HITACHI

SAMURAI SERIES
AIR COOLED WATER CHILLERS AND AIR TO WATER HEAT PUMP MODULAR R134a - SCREW TYPE

Technical Catalogue

RCME-(60-140)AH2

RHME-(60-140)AH2

HITACHI

Contents

General Index

1. General information

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1.1 General notes

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As a result, some of the images or data used to illustrate this document may not refer to specific models. No claims will be accepted based on the data, illustrations and descriptions included in this document.

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If you have any questions, contact your service contractor of HITACHI.

Check and make sure that the explanations of each part of this document correspond to your model.

Refer to the models codification to confirm the main characteristics of your system.

Signal words (DANGER, CAUTION and NOTE) are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.

It is assumed that this unit will be operated and serviced by English speaking people. If this is not the case, the customer should add safety, caution and operating signs in the native language of the personal.

This water chiller has been designed for the working range described in the corresponding chapter.

1.2 Safety and applied symbols

During normal air to water heat pump system design work or unit installation, greater attention must be paid in certain situations requiring particular care in order to avoid damage to the unit, the installation or the building or property.

Situations that pose a risk to the safety of those in the surrounding area or to the unit itself are clearly indicated in this manual.

A series of special symbols are used to clearly identify these situations.

Pay close attention to these symbols and to the messages following them, as your safety and that of others depends on it

DANGER

- ***The text following this symbol contains information and instructions relating directly to your safety.***
- ***Not taking these instructions into account could lead to serious, very serious or even fatal injuries to you and others.***

In the texts following the danger symbol you can also find information on safety procedures during unit installation.

CAUTION

- *The text following this symbol contains information and instructions relating directly to your safety.*
- *Not taking these instructions into account could lead to minor injuries to you and others.*
- *Not taking these instructions into account could lead to unit damage.*

In the texts following the caution symbol you can also find information on safety procedures during unit installation.

NOTE

- *The text following this symbol contains information or instructions that may be of use or that require a more thorough explanation.*
- *Instructions regarding inspections to be made on unit parts or systems may also be included.*

1.3 Norms and Regulations

Following Regulation EU No. 517/2014 on Certain Fluorinated Greenhouse gases, it is mandatory to fill in the label attached to the unit with the total amount of refrigerant charged on the installation.

Do not vent R134a into the atmosphere: R134a are fluorinated greenhouse gases covered by the Kyoto protocol global warming potential (GWP): R134a = 1430.

Tn of CO2 equivalent of fluorinated greenhouse gases contained is calculated by indicated:
GWP multiply by Total Charge (in kg) indicated in the product label and divided by 1000.

Appropriate refrigerant

The refrigerant used in each unit is identified on the specification label and manuals of the unit. HITACHI shall not be held liable for any failure, trouble, malfunction or accident caused by units illegally charged with refrigerants other than the specified one.

Consequences of charging non-specified refrigerant

It may cause mechanical failure, malfunction and other accidents. It may cause operational failure of protection and safety devices of air conditioners. It may also cause lubrication failure of the sliding part of the compressor due to deterioration of refrigerant oil.

In particular, hydrocarbon refrigerants (such as propane, R441A, R443A, GF-08, etc.) are not allowed, since these are combustible and may cause major accidents such as fire and explosion in case of improper handling.

Once a non-specified refrigerant has been charged, no further servicing (including draining of refrigerant) shall be performed, even in case of malfunction. Improper handling of refrigerant may be a cause of fire and explosion, and servicing in such cases may be considered an illegal act.

End clients and costumers shall be informed that servicing is not approved, and the installer who charged the non specified refrigerant shall be asked to fix the unit.

HITACHI will accept no responsibility for units that have been charged with non-specified refrigerant once.

1.4 Product guide

1.4.1 Classification of water chiller models

◆ Basic modules

Unit type (Modular water chiller): RCM: Air cooled water chiller RHM: Air to water heat pump	E = Made in Europe	Position-separating hyphen (fixed)	Capacity (HP): 60, 70, 80, 90, 120, 140	A = Air cooled	H = R134a refrigerant	Series 2
R(C/H)M	E	–	(X)XX	A	H	2

1.4.2 Product guide: Air cooled water chillers (RCME)

❄

3N~ 400V 50Hz

RCME-(60/70)AH2

RCME-(80/90)AH2

RCME-(120/140)AH2

Unit	Code
RCME-60AH2	8E061342
RCME-70AH2	8E071342
RCME-80AH2	8E081342
RCME-90AH2	8E091342
RCME-120AH2	8E121342
RCME-140AH2	8E141342

1.4.3 Product guide: Air to water heat pump (RHME)

❄ ☀

3N~ 400V 50Hz

RHME-(60/70)AH2

RHME-(80/90)AH2

RHME-(120/140)AH2

Unit	Code
RHME-60AH2	9E061342
RHME-70AH2	9E071342
RHME-80AH2	9E081342
RHME-90AH2	9E091342
RHME-120AH2	9E121342
RHME-140AH2	9E141342

2. Features and benefits

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2.1 Air cooled water chiller RCME-AH2 and air to water heat pump RHME-AH2

HITACHI is a world leader in technology and with continual product research and development, which offers the new screw type Air Cooled Chillers RCME-AH2 and Air to Water Heat Pump RHME-AH2 series, from 150 kW to 2880 kW in cooling operation and from 145 kW to 2320 kW in heating operation.

◆ Maximum capacity range increased

Thanks to the new 8-Fan module, the maximum Capacity of both RCME-AH2 and RHME-AH2 is increased as follows:

	Before (AH1)	After (AH2)
Cooling	8 x 70HP ➔ 8 x 175kW = 1400kW	8 x 140HP ➔ 8 x 360kW = **2880kW**
Heating	8 x 70HP ➔ 8 x 138kW = 1104kW	8 x 140HP ➔ 8 x 290kW = **2320kW**

◆ New product line

This new product line, with 6 basic modules of 60HP, 70HP, 80HP, 90HP, 120HP and 140HP, available in two different series of cooling only models and Heat Pump models, does not only increase the capacity range of the HITACHI Water Chillers but also the Seasonal Efficiency to respond to the needs of the market. All new models clear the requirements of Tier 2 of Erp in terms of SEER, SEPR and SCOP:

SEER ⇨ January 2021
SEPR ⇨ July 2018 (medium temperature) ; January 2021 (high temperature)
SCOP ⇨ September 2017

◆ Updated 4-Fan module (1 compressor)

2 different sizes:

60HP (without Economiser)
70HP (with Economiser)

Capacity (kW) increased compared to equivalent AH1 modules:

Size	AH1	AH2
60 HP	150	160
70 HP	175	180

◆ New 6-Fan module (1 compressor)

2 different sizes:

80HP (without Economiser)
90HP (with Economiser)

Capacity expanded up to 225kW.
1 refrigerant circuit, 1 compressor.
1 x Water inlet, 1 x Water outlet.
Reduced Service Space

◆ New 8-Fan module (2 compressors)

2 different sizes:

120HP (without Economiser)
140HP (with Economiser)

Capacity expanded up to 360kW.
2 refrigerant circuits, 2 compressors:

120 HP = 2 x 60HP (without Economiser)
140 HP = 2 x 70HP (with Economiser)

Both circuits operate simultaneously.
2 x Water inlet, 2 x Water outlet.
1 x Electrical Panel = only 1 x Power Supply needed
Lifted as 1 single block

◆ Main features and benefits

- EEV: New expansion valve model with higher torque coil for better endurance and precision: 5960 pulse vs previous 656 pulse.
- Additional thermo-off by water inlet.
- Leak detector input.
- BAC-Net gateway available.
- Power demand input.
- Periodic PUMP OP.: Mode I and Mode II.
- Alarm log.
  - Up to 10 alarms are registered.
  - Operation details are stored from the last 3 alarms:
    - at the moment of the alarm.
    - 10 seconds before the alarm.
    - 20 seconds before the alarm.
- Caution Log.
  - Chiller module with Caution status can keep running in operation.
  - Up to 10 cautions are registered.
- 230V output.

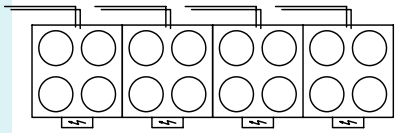
◆ Flexible space installation

Modular concept provides greater flexibility at the time of installation.

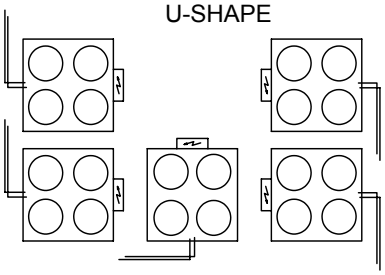
The only restriction is to keep the service space.

Some installation examples are as follows:

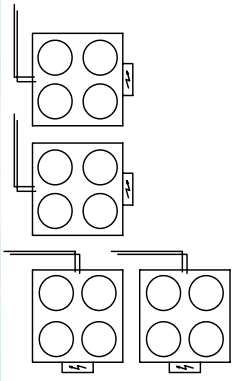
TYPICAL



U-SHAPE



L-SHAPE



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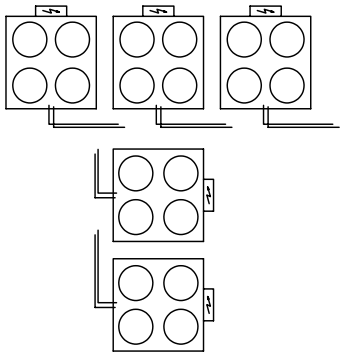
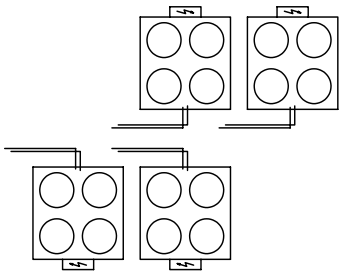


Z-SHAPE



2.2 Modules combination

6 basic modules are available: 60HP, 70HP, 80HP, 90HP, 120HP and 140HP.

By combining these 6 modules higher capacity units can be achieved. In such units one module will be set as Master and the rest as Slaves. All the modules will operate as one single system.

NOTE

Possible module combinations are: 60HP with 70HP, 70HP with 80HP, 80HP with 90HP and 120HP with 140HP. Other combinations will be not allowed due to possible poor water distribution.

The maximum number of modules to be combined is 8, without any additional controller.

Additionally, it is possible to combine Heat Pump models with Cooling-only models. When both series are mixed, a Heat Pump unit must be set as Master. When cooling mode is requested, all modules operate for water cooling; when hot water is requested, only the Heat Pump models operate heating up water.

◆ Operating modes

There are 2 running modes available as standard, through unit setting:

Standard mode:

- Steady water outlet temperature: all compressors running at the same load.

High efficiency mode:

- Compressors start/stop smart control.

◆ Modules combination advantages

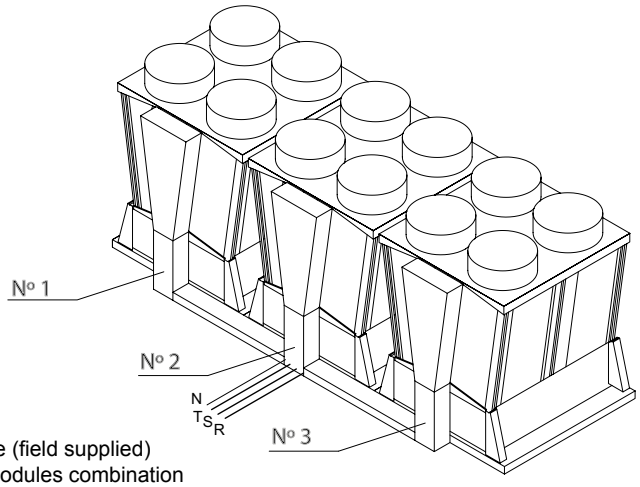
Modules combination system offers several advantages

- Optimisation of the efficiency at any load by stopping/starting up to 8 Infinity Capacity Control compressors through a smart unit control. (if High efficiency mode is selected).
- Customer can “customize” the unit based on "energy saving", "price" or "installation space".

Up to 3 modules can be connected at the same power source cable. Power wirings and control wiring between modules can be built on-side. The Cable routing option are available can upon request

Customer is required connect power source cables only in one module.

- If 2 modules: connect to module Nº1
- If 3 modules: connect to module Nº2



Power source (field supplied)
Example 3 modules combination

Common water pipe is also available as an accessory upon request

◆ On-site module combinations

The following units and units combinations can be installed on site.

	HP	Nº 1	Nº 2	Nº 3	Nº 4
Individual	60	R(C/H)ME-60AH2			
	70	R(C/H)ME-70AH2			
	80	R(C/H)ME-80AH2			
	90	R(C/H)ME-90AH2			
	120	R(C/H)ME-120AH2			
	140	R(C/H)ME-140AH2			
2 - modules	120	R(C/H)ME-60AH2	R(C/H)ME-60AH2		
	130	R(C/H)ME-60AH2	R(C/H)ME-70AH2		
	140	R(C/H)ME-70AH2	R(C/H)ME-70AH2		
	150	R(C/H)ME-70AH2	R(C/H)ME-80AH2		
	160	R(C/H)ME-80AH2	R(C/H)ME-80AH2		
	170	R(C/H)ME-90AH2	R(C/H)ME-80AH2		
	180	R(C/H)ME-90AH2	R(C/H)ME-90AH2		
	240	R(C/H)ME-120AH2	R(C/H)ME-120AH2		
	260	R(C/H)ME-120AH2	R(C/H)ME-140AH2		
	280	R(C/H)ME-140AH2	R(C/H)ME-140AH2		
3 - modules	180	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	
	190	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	
	200	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	210	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	220	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	
	230	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	240	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	250	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	
	260	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	270	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	360	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	
	380	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	
	400	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	420	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
4 - modules	240	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2
	250	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2
	260	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	270	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	280	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	290	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2
	300	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	310	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	320	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	330	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2
	340	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	350	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	360	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	480	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2
	500	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2
	520	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	540	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	560	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2

	HP	Nº 1	Nº 2	Nº 3	Nº 4	Nº 5	Nº 6
5 - modules	300	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	
	310	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	
	320	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	330	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	340	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	350	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	360	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	
	370	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	380	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	390	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	400	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	410	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	
	420	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	430	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	440	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	450	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	600	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	
	620	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	
	640	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	660	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	680	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	700	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
6 - modules	360	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2
	370	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2
	380	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	390	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	400	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	410	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	420	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	430	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2
	440	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	450	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	460	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	470	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	480	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	490	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2
	500	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	510	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	520	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	530	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	540	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	720	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2
	740	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2
	760	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	780	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	800	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	820	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	840	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2

	HP	Nº 1	Nº 2	Nº 3	Nº 4	Nº 5	Nº 6	Nº 7	Nº 8
7 - modules	360	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	
	360	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	
	370	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	380	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	390	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	400	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	410	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	420	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	
	420	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	
	430	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	440	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	450	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	460	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	470	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	480	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	
	480	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	
	490	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	500	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	510	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	520	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	530	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	540	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	
	840	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	
	860	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	
	880	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	900	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	920	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	940	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	960	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
	980	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	
8 - modules	320	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2
	330	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2
	340	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	350	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	360	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	370	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	380	R(C/H)ME-60AH2	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	390	R(C/H)ME-60AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	400	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2
	410	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2
	420	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	430	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	440	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	450	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	460	R(C/H)ME-70AH2	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	470	R(C/H)ME-70AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	480	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2
	490	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2
	500	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	510	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	520	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	530	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	540	R(C/H)ME-80AH2	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	550	R(C/H)ME-80AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	560	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2	R(C/H)ME-90AH2
	960	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2
	980	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2
	1000	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	1020	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	1040	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	1060	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	1080	R(C/H)ME-120AH2	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	1100	R(C/H)ME-120AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2
	1120	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2	R(C/H)ME-140AH2

2.3 High efficiency class

◆ **Full load and partial load efficiencies are as follows**

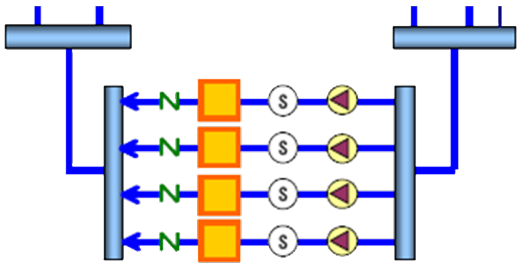
- **Individual modules**

	Cooling operation		
	$SEPR_{MT}$	$SEPR_{HT}$	SEER
RCME-60AH2	3.24	5.11	4.11
RCME-70AH2	3.24	5.11	4.13
RCME-80AH2	3.26	5.15	4.12
RCME-90AH2	3.30	5.20	4.12
RCME-120AH2	3.25	5.13	4.18
RCME-140AH2	3.25	5.13	4.19

	Heating operation
	$SCOP_{LT}$
RHME-60AH2	3.22
RHME-70AH2	3.22
RHME-80AH2	3.25
RHME-90AH2	3.25
RHME-120AH2	3.22
RHME-140AH2	3.22

a. High efficiency mode.

Oriented to optimize the seasonal efficiency. Individual water pump shall be installed for each module.



The installation of an individual pump for each module together with the smart control unit results in improved seasonal efficiency. Efficiencies will be as follows:

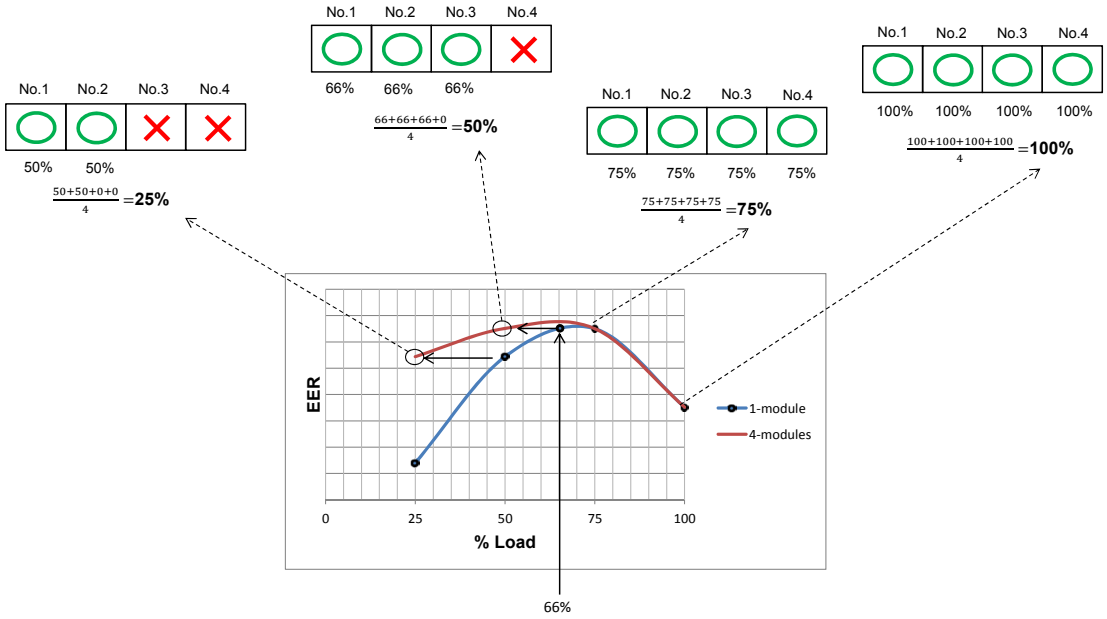
In case of module combinations, in high efficiency mode, the seasonal efficiencies can be improved thanks to the smart unit control.

NOTE

Smart unit control

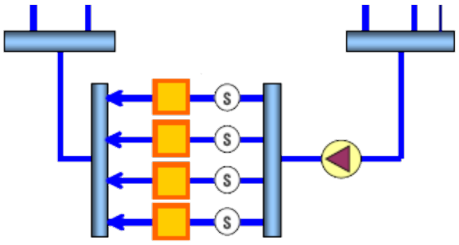
The control is stopping and starting compressors in order to ensure that the compressors which are running are at the optimum load in terms of efficiency.

Example of 4-modules unit:



b. Standard mode

Oriented to put priority on achieving steady water outlet temperature. 1 water pump shall be installed for all the modules.



Efficiencies will be as follows (with 1 unique pump for all the modules):

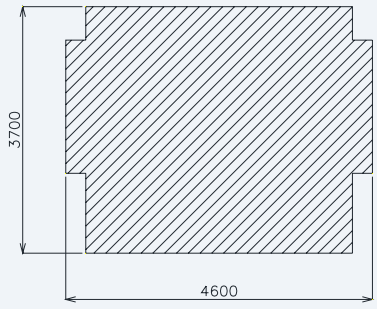
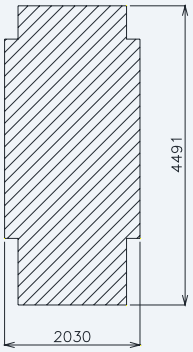
NOTE

Data with pump are according to EN14511-3:2011 Standard.

2.4 Small service space

◆ Reduced Footprint and Service Space

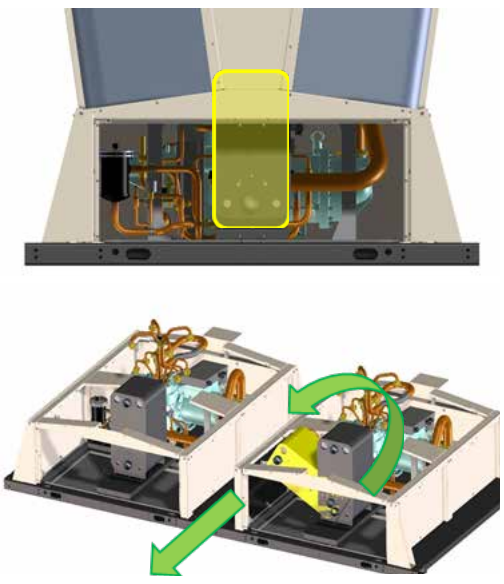
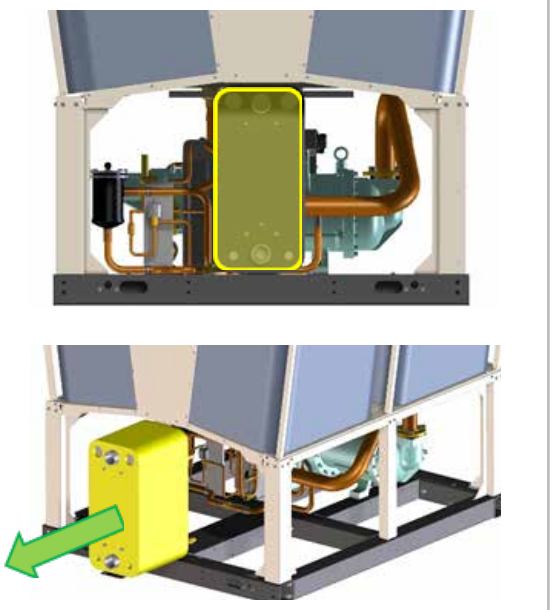
The new 80HP and 90HP modules (with 6 fans) bring significant footprint (and service space, too) reductions when compared to equivalent models in terms of Capacity (kW) of AH1 series.

BEFORE (80AH1, 90AH1)		AFTER (80AH2, 90AH2)
		
Footprint: 9.0 m²	30% reduction	Footprint: 6.3 m²
ervice Space: 16.0 m²	45% reduction	Service Space: 8.5 m²

2.5 Improved servicing

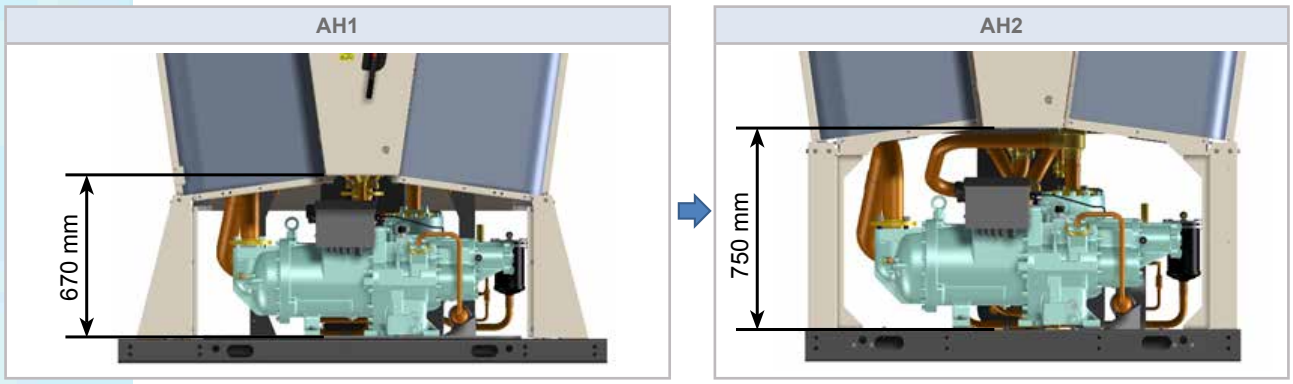
◆ Easier Plate HEX removal

The new unit structure of the Air-cooled and Heat Pump units make possible the extraction of the Plate Heat Exchanger from rear side, becoming much easier than in the previous models (AH1).

AH1	AH2
	

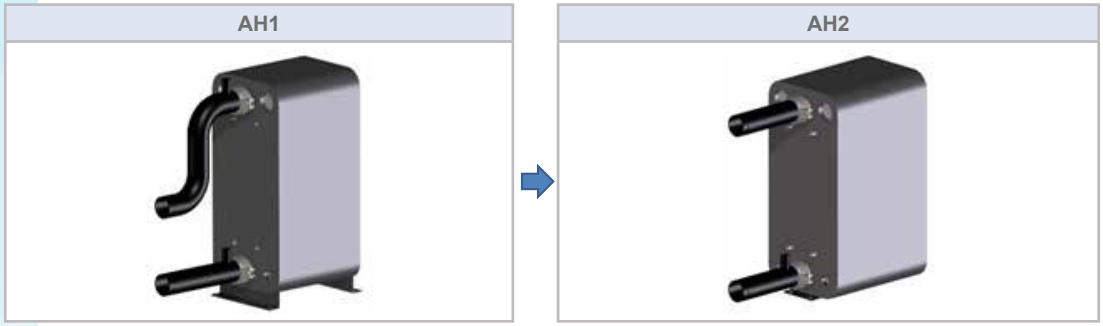
◆ Easier Compressor serviceability

For both Air-cooled Cooling-only and Heat Pump units there is more space available for removing the Compressor in case of failure, maintenance, etc… as well as for connecting/disconnecting the compressor cables in the terminal box.



2.6 Reduced Water Pressure Drop

Water Pipes for all the series are straight, without elbows. Pressure drop (kPa) at the water side is then reduced.



2.7 Control

HITACHI Controls have been developed to achieve the best performance of the units and the interaction with the user.

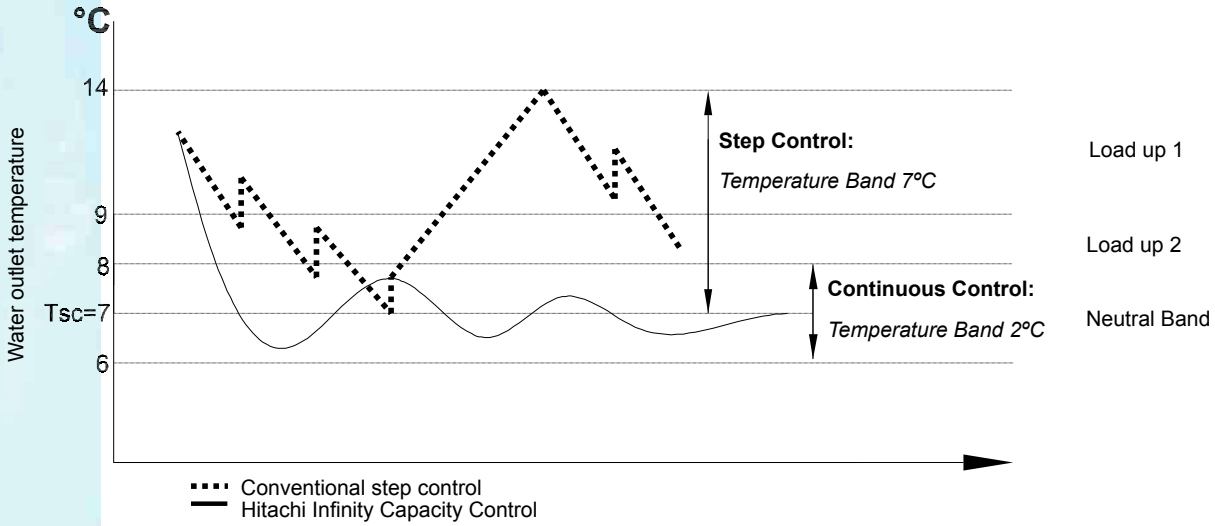
◆ Many functions

a. Current limiter
b. Forced compressor load control
c. 2 different temperatures setting
d. Various fan speed control
e. Memory data in alarm
f. Automatic restart after power failure
g. Output signal for free cooling application
h. External thermostat operation, etc…

◆ Precise temperature control

Combinations of “Infinity Capacity Control Compressor” and “HITACHI’s unique electronic controls” enable the Chiller to control outlet water temperature precisely, independent of cooling load.

This control benefits not only Air-conditioning but also industrial process use.



2.8 LCD Touch Panel

Each HITACHI module of RCME-AH2 and RHME-AH2 series are equipped with a user-friendly colour touch panel which allows:

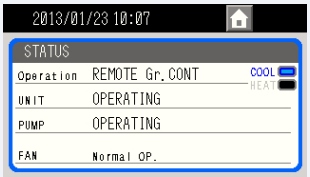
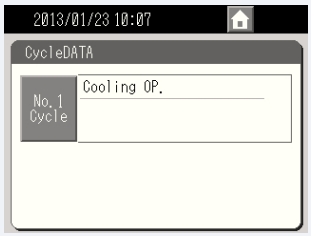
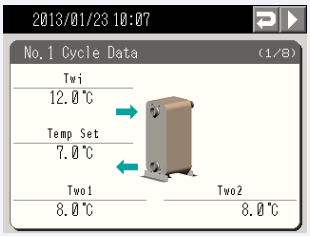
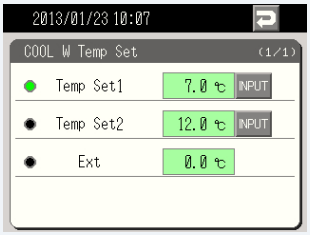
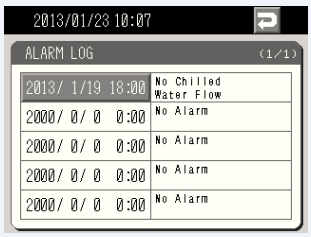
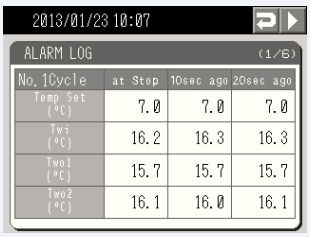
a. Visualize the unit parameters like unit status, cycle temperatures and pressures, compressor running hours, alarm codes and descriptions, etc…

b. Set the unit configuration: water outlet temperature, high efficiency mode, etc… for adapting the unit to each specific application and thus optimizing the performance of the unit.

◆ Main specifications

- 3.5” display size
- TFT display type
- 320 x 240 pixels (QVGA)
- 65,536 colours
- 8-level brightness
- Available in several languages

◆ Main functions

1 Display status of the unit, pump, fan, alarm, warnings			
2 Display unit conditions: temperature, pressure, etc…		⇒	
3 Adjust settings using up/down arrow keys		⇒	
4 Display up to 10 recent alarms and store detailed condition for the last 3 ones		⇒	

2.9 R134a Refrigerant

The unit will be charged with R134a refrigerant.

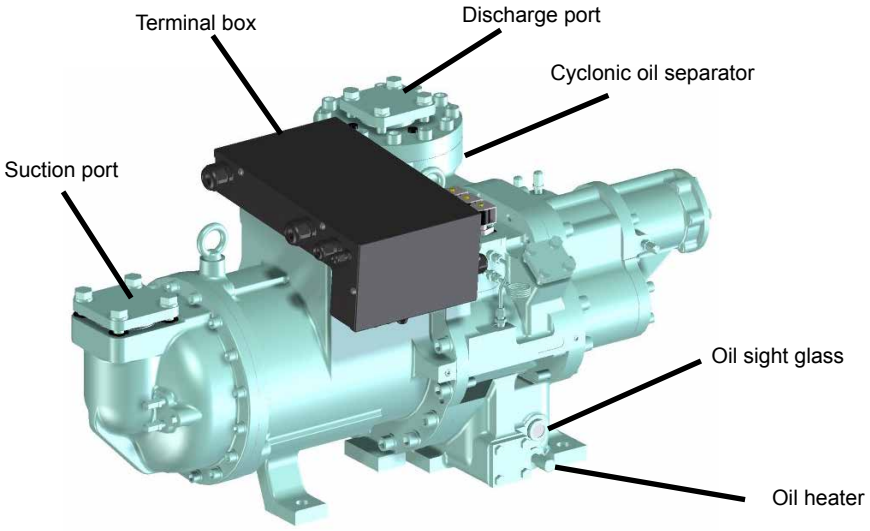
- This refrigerant has no fractionation (change in composition of a refrigerant mixture by e.g. evaporation of the more volatile component(s) or condensation of the less volatile component(s)).
- Lower Global Warming Potential (GWP): 1430.

2.10 New Compressor

The HITACHI Samurai range incorporates a new twin screw compressor optimized for R134a refrigerant and the latest development of HITACHI's screw compressor technology with the HITACHI's Infinity Capacity Control from 25% to 100%.

Thanks to this modulation the compressor load is always matching with the requested load, and thus accurate chilled water temperature is achieved without expensive inverter devices.

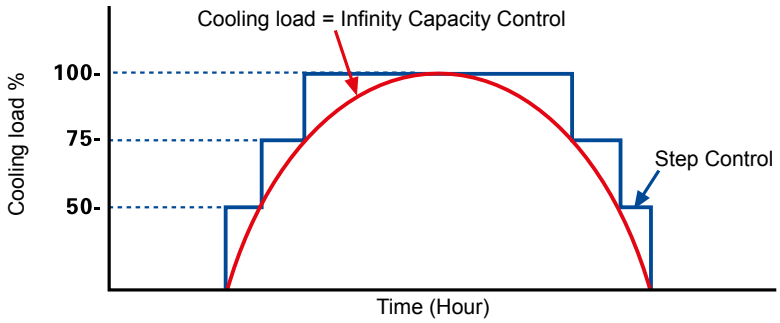
- Cyclonic oil separator to reduce oil carry over and increase efficiency.
- The bearing has been improved and the recommended overhaul period is now extended up to to 40.000h.
- Additional oil port.
- New rotor.
- Light casing.



◆ Infinity capacity control

HITACHI´s Infinity Capacity Control system uses advanced electronic controls to position the infinitely variable slide valve within each compressor.

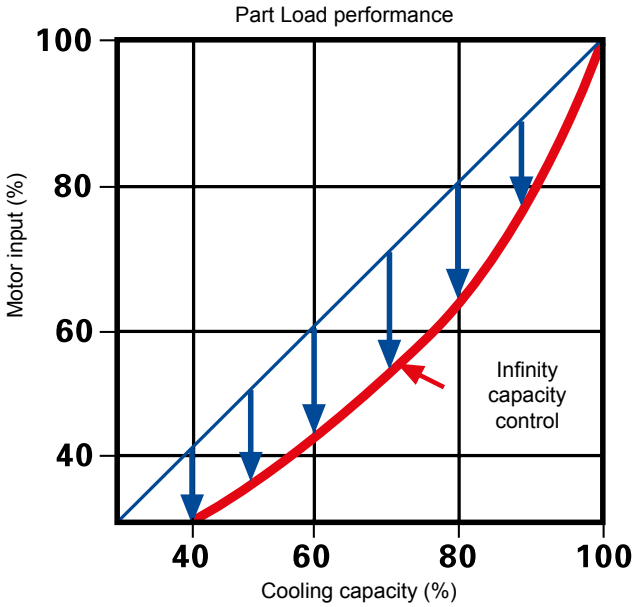
This modulation allows exact load control and accurate chilled water temperature without the need for expensive inverters.



◆ Energy Saving

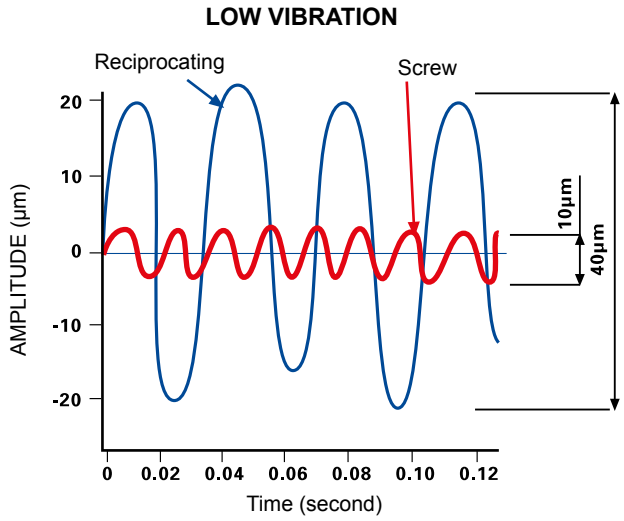
Thanks to Infinity Capacity Control, 15~20% energy saving is possible compared with current step control systems due to the following:

- The cooling load can be more closely matched
- Infinity Capacity Control takes advantage of high efficiency part load performance.
- Frequent compressor starts and stops are eliminated.

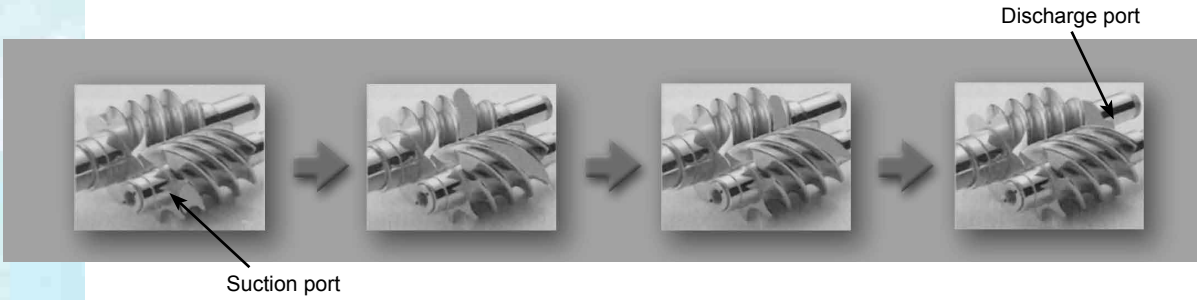


◆ Twin screw compressor

By having so few moving parts, it has become highly reliable with very low noise level and low vibration.



◆ Principle of compression

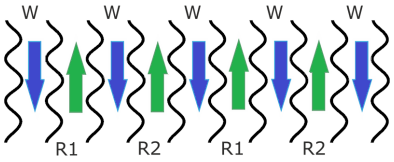


2.11 New True Dual brazed plate heat exchangers

RCME-AH2 and RHME-AH2 series are designed with a brazed plate heat exchanger "true dual type" system, which have 2 refrigerant inlets to improve the distribution of the gas/liquid mixture inside the evaporator.

Highly efficient and very compact solution for cooling systems, allowing an accurate control of evaporation temperature.

Cross-section view of the channels inside a True Dual Type.



NOTE

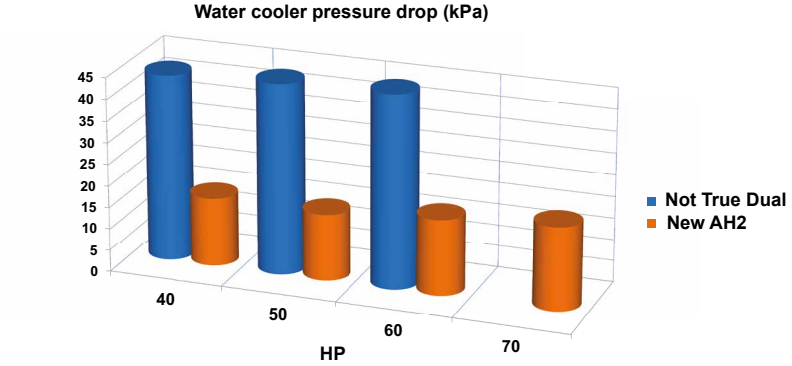
- *W: Water*
- *Refrigerant lines are separated in two lines (R1 and R2) for each module.*
  - *R1: Refrigerant circuit 1*
  - *R2: Refrigerant circuit 2*

Additionally the pressure drop is reduced significantly. Low pressure drop on the water side, low pump input power, giving improved SEASONAL EFFICIENCY figures.

Made of stainless steel AISI316 for higher corrosion resistance.

Easier disassemble thanks to flange connections on refrigerant side and screw couplings on water side.

- Improvement of the pressure drop (example)



2.12 Twin electronic expansion valve per circuit

The electronic expansion valve provides reduced power consumption compared to the classical system of thermostatic expansion valve types, and combined with sophisticated control it offers an accurate adjustment of the refrigerant circuit at any condition.

The double electronic expansion valves system ensures equal distribution to both inlets of the plate heat exchanger.

HITACHI furnishes electronic expansion valves as standard, whereas it is usually an optional extra in the case of competitors.

2.13 EC fan motor

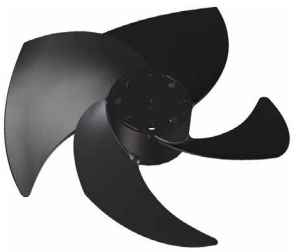
All fan motors are inverter type, getting less power consumption and higher efficiency of the unit.

Thanks to the capability of regulating the rotation speed (rpm) by changing the frequency, the condensing temperature can be kept at an optimized level at any condition.

HITACHI furnishes EC fan motors as standard, whereas it is usually an optional extra in the case of competitors.

◆ **Propeller**

- 4 blades propeller fan, specially designed for this unit, is bigger (710mm diameter) aiming to the best efficiency.
- HITACHI uses high technology to achieve the lowest sound. The new four bladed propeller specially designed for this unit achieves a reduction of noise level, increases air flow volume, and at the same time provides an important reduction of motor power input aiming to the best efficiency.
- Made of light but impact resistant material.



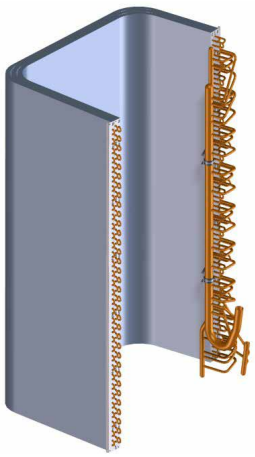
2.14 U-shaped Air Heat Exchangers

The new Chiller takes advantage of latest technology for the air heat exchangers.

“U”-shaped style brings more than 20% more exchange surface compared traditional flat heat exchangers.

7mm diameter copper pipes for higher heat transfer ratio.

Additional sub-cooling circuit to increase the seasonal efficiency by keeping proper subcool even at low load conditions.

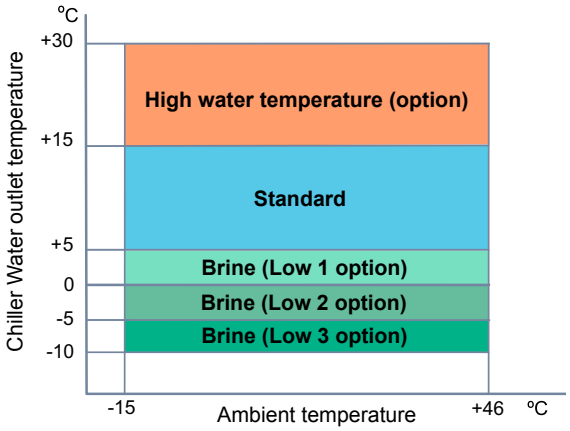


The chiller constructive form with heat exchanger placement, inclined respect the fans, allow better air distributions along all heat exchanger surface.

2.15 Working range options

Chilled water outlet temperature range, in cooling operation, is increased offering a high and low water outlet temperature, as an option.

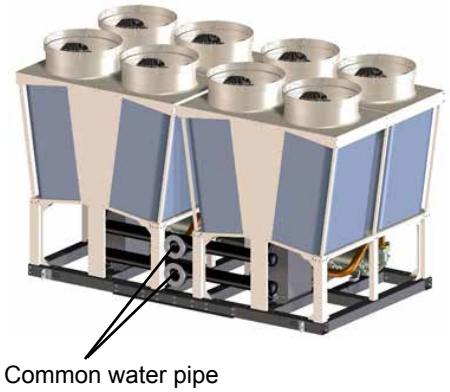
◆ R(C/H)ME-AH2 (cooling operation)



2.16 New options

◆ Common Water Pipe for R(C/H)ME-120AH2 and R(C/H)ME-140AH2 units

1 x water inlet, 1 x water outlet
Connection size: 5” flange



◆ Unit Lower Panels

Panels installed at the lower side of R(C/H)ME-AH2 units.

The purpose of the panels are:

- 1-Cosmetic
- 2-Keep the refrigerant circuit closed

In addition, thanks to the panels the unit sound will be lower.

2.17 Options and accessories

◆ Heavy anticorrosion air heat exchanger

Special anti-corrosion treatment on the copper/Aluminium air heat exchangers for larger endurance for 3500 hours in specific high corrosion environments.

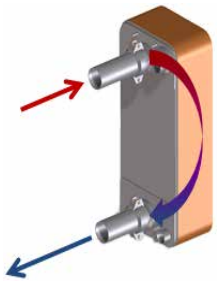
◆ High water outlet temperature option

The maximum water outlet temperature is increased from 15°C up to 25°C ~30°C .

The software will automatically change the superheat target aiming to decrease the suction pressure and optimize the performance.

The water pipe is changed from carbon steel to stainless steel to reduce pipes erosion.

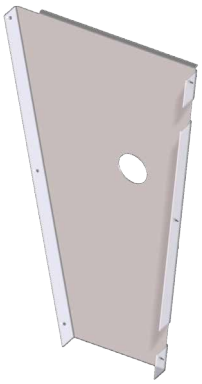
An additional 2 litres charge of oil is made to protect the compressor, especially under overload conditions.



◆ Electrical box lower safety cover

This accessory provides additional protection for the electrical Box components by adding a strong and impact resistant polycarbonate cover.

Thanks to this cover, the electrical components located behind the lower door of the electrical box cannot be touched accidentally.



◆ Power Meter

This device is used to capture and output electrical data of the unit such as: power consumption, current, frequency, power factor, voltage phase to phase and phase to neutral. Assembled at factory (inside electrical box).

With hour counter integrated.

Communication port protocol: Modbus, RS485 interface

This device is used to visualize electrical data of the unit like:

- Power Consumption (active/reactive).
- Voltage (V) voltage phase to phase and phase to neutral
- Current (I), frequency (Hz), power factor, etc…
- Average, maximum and instant values.
- Hour counter integrated.
- etc…

Communication port protocol Modbus, RS 485 interface is available.

NOTE

This option can be requested also as an ACCESSORY

◆ Magnetic circuit breaker

Application of Thermal Magnetic Circuit Breakers (MCB) instead of Fuses to protect the Fans and Compressor motors.

MCB offers better magnetic protection as these devices are adjustable, as well as complementary thermal protection to the overcurrent relay.

Thanks to this option, in case of some trouble, it is not necessary to change any part, just reset the MCB device and start the unit again.

◆ Wooden base

Additional Wooden Base under the unit (130mm height).

Thanks to the Wooden Base it is possible to load/unload the whole unit using a fork lift.

NOTE

Wooden base is required when removal of the chiller unit from the transport vehicle by crane is not possible

Applicable only when is parched an individual module units: R(C/H)ME-(60-90)AH2.

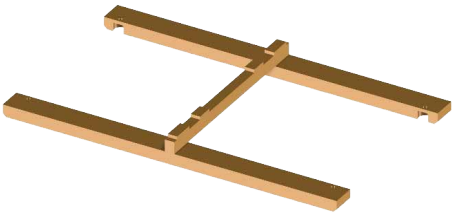
◆ Wooden Skid

Additional Wooden skid under the unit (75mm height) for container shipment.

NOTE

Wooden skid is specially designed for loading the unit in a High Cube Container.

Applicable only when is parched an individual module units: R(C/H)ME-(60-90)AH2.

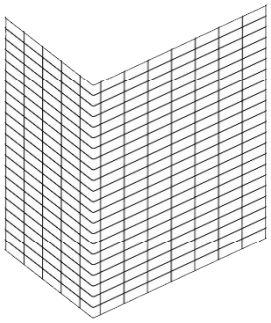


◆ Coil guard

Protection for the Coils (Air Heat Exchangers) by adding a metal guard net around them.

It protects the Coils from accidental touching, impact of big objects, etc…

It does not affect the performance of the unit.



◆ Dual safety valve

Additional Safety Valve assembled to the compressor discharge chamber, together with a Changeover Valve that controls the two safety devices, and so arranged that only one can be made inoperative at any one time.

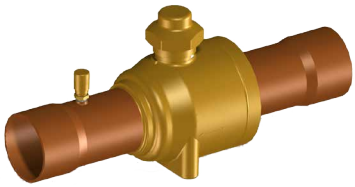
Thanks to this option one safety valve can be taken out (for servicing, repairing, etc…) without emptying the refrigerant circuit, while the other valve is enabled and therefore protecting the unit against high pressure condition.

◆ Discharge valve

Assemble Shut-off valve is assembled on the compressor discharge line, just after the Check Valve.

Thanks to this option the refrigerant cycle can be closed and compressor maintenance made easier.

It is recommended to be combined together with “Suction Valve OPTION”.

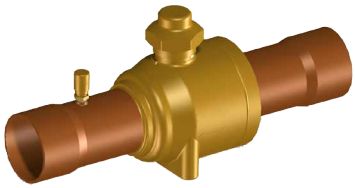


◆ Suction valve

Suction Shut-off Valve is assembled on the compressor suction line.

Thanks to this option the refrigerant cycle can be closed and compressor maintenance made easier.

It is recommended to be combined together with “Discharge Valve OPTION”.



◆ Water cooler heater

This option includes an electric heater installed around Plate Heat Exchanger to heat up the internal water volume and protect them against freezing.

The heater is activated when the unit is stopped, and is protecting the Plate Heat Exchanger in case of low ambient temperatures as well as low water temperatures.

◆ Stainless steel water pipe

Application of stainless steel to the water piping of the unit instead of using carbon steel pipes.

This Option provides greater resistance against corrosion and erosion due to the greater hardness of the stainless steel.

Increased maximum flow rates are possible with this option.

◆ Power cable routing W, WO

Additional connectors assembled in a water-proof box located below the Electrical Box, for easier power and control module-to-module wiring connections.

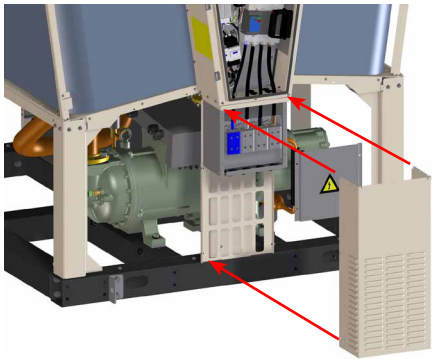
Includes vertical cover for hiding and protecting the cables.

2 different designs:

1) Power Cable Routing W: with terminal connectors

2) Power Cable Routing WO: without terminal connectors

Applicable only when is parched an individual module units: R(C/H)ME-(60-90)AH2. These options do not apply to the R(C/H)ME-120/140AH2 modules because they are built with one single Electrical Box.



◆ Low Noise / Super Low Noise / Extra Super Low Noise

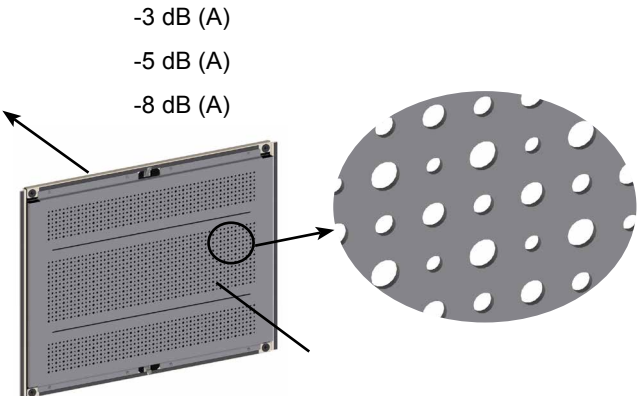
Cabinet enclosure assembled to reduce the sound of the compressor mainly.

3 different levels of sound reduction:

1 Low Noise (LN): -3dB(A)
2 Super Low Noise (SLN): -5dB(A)
3 Extra Super Low Noise (XSLN): -8dB(A)

Easy and quick removal of the Panels for servicing and maintenance thanks to the use of the 1/4 lock system (with key) and snaps.

Aesthetic Unit Lower Panels - ST OPTION is included only in case of R(C/H)ME-60/70AH2 units

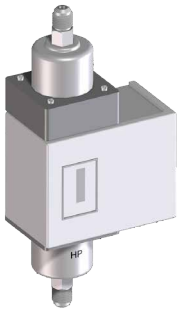


◆ Differential water pressure switch

The differential pressure Switch is a safety device used to avoid the chiller running when the system water flow is insufficient, and therefore avoid water freezing inside the Plate Heat Exchanger.

It measures the water pressure difference between water inlet and water outlet.

Thanks to this device, the unit can be protected under several conditions like pump stopped or locked, pipe clogging, dirty Plate Heat Exchanger, etc…



◆ Water pressure port

Additional pressure port on both water inlet and water outlet.

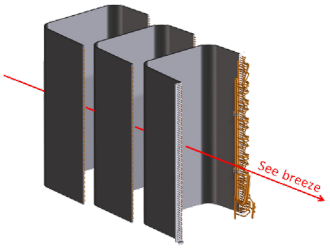
It facilitates easy on site rough measurement and evaluation of the pressure drop across the PHE to ensure it is not experiencing restricted flow rate due to contamination and clogging.

◆ Air heat exchangers heavy corrosion protection

The air heat exchangers are protected to withstand at least 3500h in salty spray test.

Typical environments where units can be installed (in case of temperate climate): industrial areas with high humidity and aggressive atmosphere, costal areas with high salinity.

Units could be installed where they are not protected from direct see breeze, but they shall be protected from direct contact with salty water.



◆ Pump kit

The Pump Kit is either a single pump or double pump system (back up) already connected to the chiller and fully integrated in the unit.

2 different pump sizes are available to match site requirements.

4 different designs:

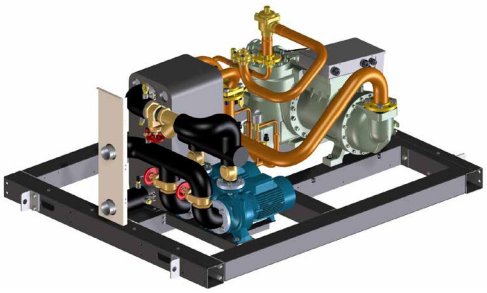
1) Pump Kit SP1: single pump, standard pressure

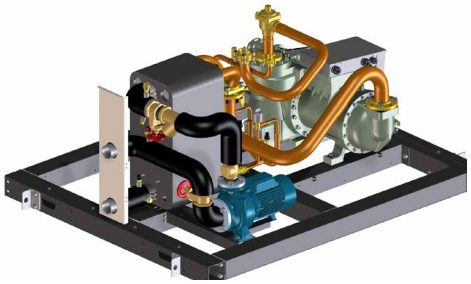
2) Pump Kit SP2: single pump, high pressure

3) Pump Kit DP1: double pump, standard pressure

4) Pump Kit DP2: double pump, high pressure

Stainless Steel Water Pipe option is also included. Water Pressure Port option is also included. Increased maximum flow rates are possible with this option.





◆ Brine

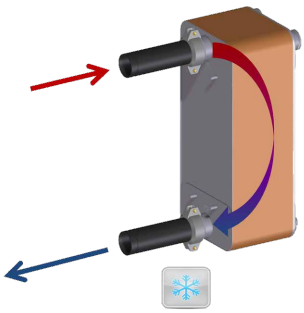
The minimum Chiller water outlet temperature is decreased from +5ºC down to -10ºC.

3 different categories, depending on the minimum chilled water outlet temperature requested:

1) Brine (Low1): from +5ºC down to 0ºC

2) Brine (Low2): from 0ºC down to -5ºC

3) Brine (Low3): from -5ºC down to -10ºC



◆ LCD Language

The LCD used for setting and monitoring the chiller parameters accepts 3 differents languages. The standard unit has embedded the 3 following languages: English, French, Spanish.

The one set as default from factory is ENGLISH.

In case of interest in having other languages, the following packs are offered:

Option Pack 1 ENG/RUS/FIN (LP1): English, Russian, Finnish

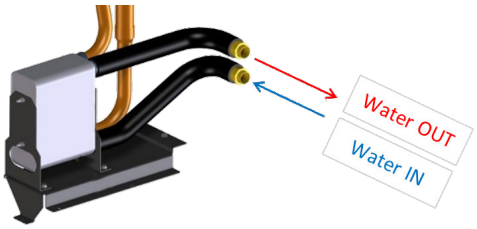
Option Pack 2 ENG/GER/HUN (LP2): English, German, Hungarian

Option Pack 3 ENG/DUT/POL (LP3): English, Dutch, Polish

Option Pack 4 ENG/IT/GRE (LP4): English, Italian, Greek.

◆ Partial Heat Recovery

Production (for free) of hot water by using part of the unit's heat rejection (only in cooling mode).



Hot water can be used for floor heating, radiators, sanitary water, etc...

Max. outlet temperature up to 65ºC.

EER can be improved up to more than 8.

◆ Water PN16

Increase the maximum working pressure at water side from 10 to 16bar.

Typical applications: process cooling in high pressure chemical plants, air conditioning in tall buildings, etc…

◆ Witness test

Possibility for the customer to attend a real performance test on their unit at the factory where the unit is manufactured.

◆ Water flow switch

The Water Flow Switch is a safety device used to avoid the chiller running when the system water flow is insufficient or stopped, and therefore avoid water freezing inside the Plate Heat Exchanger.

Thanks to this device, the unit can be protected under several conditions like pump stopped or locked, pipe clogging, dirty Plate Heat Exchanger, and so on.

It shall be installed at site at the water pipe of the customer (either inlet or outlet pipe).

◆ Water strainer

Units equipped with Plate Heat Exchangers are very sensitive to clogging and consequently could potentially freeze and be permanently damaged unless special care is taken.

The Water Strainer is a safety device used to protect the Plate Heat Exchanger against dirty water.

It shall be installed on site at the inlet water pipe of the system.

◆ Common water pipe

The Common Water Pipe collects water from each module (up to 3), providing a single water inlet and outlet connections.

Thanks to this accessory the water distribution is equal to each module, avoiding bad water distribution that could cause unit malfunction.

The maximum allowable pressure is 16bar.

◆ Antivibration Rubber Mat

The Antivibration Rubber Mat is a set of 2 pieces of rubber used to reduce the transmission of the unit vibrations to the ground.

Thanks to this accessory, the vibration isolation grade achieved will be between 70% and 85%, depending on the model.

It shall be installed at site between the base of the unit and the ground.

◆ Antivibration Spring System

The Antivibration Spring System is used to reduce the transmission of the unit vibrations to the ground.

Thanks to this accessory, the vibration isolation grade achieved will be 95%.

It shall be installed at site between the base of the unit and the ground.

◆ Water Flange Connection

The Water Flange Connection (PN16) is a set of 4 steel flanges that converts the standard water pipe connection type (both Victaulic type and welded type) into flange connection.

It shall be installed at site on both the unit water pipes and customer water pipes (both inlet and outlet pipes).

The maximum allowable pressure is 16bar.

◆ Modbus Gateway CHL-MBS-02

This device is used to integrate the chiller units in a building management system (BMS) using MODBUS communication protocol.

Possible to manage:

• Switch unit ON/OFF

• Fix setting temperature

• Select cooling/heating

• Several units data monitoring

◆ Bacnet Gateway CHL-BAC-01

This device is used to integrate the chiller units in a building management system (BMS) using BHACNET communication protocol.

Possible to manage:

• Switch unit ON/OFF

• Fix setting temperature

• Select cooling/heating

• Several units data monitoring

3. General data

Index

3.1 RCME-AH2 General Data

3.1.1 General notes for RCME-AH2

The following considerations are identified in the General Data tables by their corresponding number:

- (1) Data is based on the following conditions:

  Pump input not included.

  In cooling operation:

  Chilled Water Inlet / Outlet Temperature: 12 / 7ºC.

  Condenser Inlet Air Temperature: 35ºC.
- (2) Pump input is included in the data (according to the European Standard EN 14511).
- (3) Low water temperature option requires Brine (antifreeze mixture of ethylene glycol type or propylene glycol type).
- All data refers to High Efficiency mode.
- All Sound Pressure Level data are measured at 10 m from the unit.

3.1.2 Hitachi Air-Cooled Water Chiller units RCME-(60-140)AH2 (Individual module)

Model			RCME-60AH2	RCME-70AH2	RCME-80AH2	RCME-90AH2	RCME-120AH2	RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling Capacity (1)		kW	160	180	205	225	320	360
Total Input power (1)		kW	51.0	57.3	64.9	70.3	101.9	114.6
EER (1)		-	3.14	3.14	3.16	3.20	3.14	3.14
SEER net		-	4.11	4.13	4.12	4.12	4.18	4.19
$SEPR_{MT}$ (4)			3.24	3.24	3.26	3.30	3.25	3.25
$SEPR_{HT}$			5.11	5.11	5.15	5.20	5.13	5.13
Cooling Capacity (2)		kW	159.6	179.6	204.5	224.4	319.4	359.4
Total Input Power (2)		kW	51.3	57.7	65.4	70.9	102.5	115.3
EER (2)		-	3.11	3.11	3.13	3.16	3.12	3.12
Outer dimension	Height	mm	2450					
	Width	mm	1955				3970	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	1280	1320	1570	1660	2620	2700
Operating weight		kg	1300	1340	1590	1680	2640	2720
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	1				2	
	Oil Heater	W	150				150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	4		6		8	
Refrigerant	Type	-	R134a					
	Quantity	kg	29	36	47	47	58	72
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	1				2	
Nominal water flow		m^3/h	27.5	31.0	35.3	38.7	55.0	61.9
Water pressure drop		kPa	16.6	15.9	20.1	23.8	16.6	15.9
Permissible water pressure max.		MPa	1.0					
Water flow range	Min.	m^3/h	17.2	19.4	22.0	24.2	34.4	38.7
	Max.	m^3/h	39.3	44.2	50.4	55.3	78.6	88.5
Minimum internal system water volume		m^3	0.77	0.76	0.98	0.95	1.54	1.52
Water pipe connection	Size and type	inches	2.1/2" Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	°C	+5 ~ +15					
	Low (option) (3)	°C	-10 ~ +5					
	High (option)	°C	+15 ~ +30					
Ambient air inlet temperature		°C	-15 ~ +46					
Sound power level		dB(A)	96	97	98	99	99	100
Sound pressure level		dB(A)	83	84	85	86	86	87
IP rating		-	IPX4					

3.2 RHME-AH2 General Data

3.2.1 General notes for RHME-AH2

The following considerations are identified in the General Data tables by their corresponding number:

- (1) Data is based on the following conditions:

  Pump input not included.

  In cooling operation:

  Chilled Water Inlet / Outlet Temperature: 12 / 7ºC.

  Condenser Inlet Air Temperature: 35ºC.

  In heating operation:

  Heated Water Inlet / Outlet Temperature : 40 / 45ºC

  Evaporator Air Inlet Temperature: 6ºC WB
- (2) Pump input is included in the data (according to the European Standard EN 14511).
- (3) Low water temperature option requires Brine (antifreeze mixture of ethylene glycol type or propylene glycol type).
- All data refers to High Efficiency mode.
- All Sound Pressure Level data are measured at 10 m from the unit.
- SCOP figures are based on Low Temperature application in Average climate, according to the European Standard EN 14825.

3.2.2 Hitachi Air-Cooled Water Chiller units RHME-(60-140)AH2 (Individual module)

Model			RHME-60AH2	RHME-70AH2	RHME-80AH2	RHME-90AH2	RCME-120AH2	RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling	Capacity (1)	kW	150	170	195	210	300	340
	Total Input power (1)	kW	50.8	57.6	65.7	69.8	101.7	115.3
	EER (1)	-	2.95	2.95	2.97	3.01	2.95	2.95
	SEER	-	3.88	3.88	3.92	3.96	3.94	3.93
	Capacity (2)	kW	149.7	169.6	194.6	209.5	299.6	339.4
	Total Input Power (2)	kW	51.1	58	66.1	70.2	102.1	115.8
	EER (2)	-	2.93	2.93	2.95	2.98	2.93	2.93
Heating	Capacity (1)	kW	145	145	185	185	290	290
	Total input power (1)	kW	51.2	51.2	64.9	64.9	102.5	102.5
	COP (1)	-	2.83	2.83	2.85	2.85	2.83	2.83
	$SCOP_{LT}$	-	3.22	3.22	3.25	3.25	3.22	3.22
	Capacity (2)	kW	145.3	145.4	185.4	185.5	290.4	290.6
	Total Input Power (2)	kW	51.5	51.6	65.3	65.4	102.9	103
	COP (2)	-	2.82	2.82	2.84	2.84	2.82	2.82
Outer dimension	Height	mm	2450					
	Width	mm	1955				3970	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	1380	1400	1660	1740	2800	2860
Operating weight		kg	1400	1420	1680	1760	2820	2880
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	1				2	
	Oil Heater	W	150				150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	4		6		8	
Refrigerant	Type	-	R134a					
	Quantity	kg	37	39	49	49	74	78
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	1				2	
Chilled Water Flow	Cooling	m^3/h	25.8	29.2	33.5	36.1	51.6	58.5
	Heating	m^3/h	24.9		31.8		49.9	
Water pressure drop	Cooling	kPa	11.4	14.3	15.1	17.3	11.4	14.3
	Heating		10.7		13.7		10.7	
Permissible water pressure max.		MPa	1					
Chilled Water Flow Range	Min.	m^3/h	16.1	18.3	21	22.6	32.3	36.6
	Max.	m^3/h	36.9	41.8	47.9	51.6	73.7	83.5
Minimum internal system water volume		m^3	0.72	0.72	0.94	0.89	1.44	1.44
Water pipe connection	Size and type	inches	2.1/2" Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Heated Water Outlet Temperature		ºC	+35 ~ +55					
Ambient Air Inlet Temperature	Cooling	ºC	-15 ~ +46					
	Heating	ºC	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound power level		dB(A)	96	97	98	99	99	100
Sound pressure level		dB(A)	83	84	85	86	86	87
IP rating		-	IPX4					

3.3 Sound Data

Model	Sound Power level (dB)								Overall (dBA)
	Frequency Band (Hz)								
	63	125	250	500	1000	2000	4000	8000	
R(C/H)ME-60AH2	106	97	93	92	93	83	70	62	96
R(C/H)ME-70AH2	107	98	94	93	94	84	71	63	97
R(C/H)ME-80AH2	108	99	95	94	95	85	72	64	98
R(C/H)ME-90AH2	109	100	96	95	96	86	73	65	99
R(C/H)ME-120AH2	109	100	96	95	96	86	73	65	99
R(C/H)ME-140AH2	110	101	97	96	97	87	74	66	100

Model	Sound Pressure level at 1m (dB)								Overall (dBA)
	Frequency Band (Hz)								
	63	125	250	500	1000	2000	4000	8000	
R(C/H)ME-60AH2	87	83	80	79	81	69	55	47	83
R(C/H)ME-70AH2	88	84	81	80	82	70	56	48	84
R(C/H)ME-80AH2	89	85	82	81	83	71	57	49	85
R(C/H)ME-90AH2	90	86	83	82	84	72	58	50	86
R(C/H)ME-120AH2	90	86	83	82	84	72	58	50	86
R(C/H)ME-140AH2	91	87	84	83	85	73	59	51	87

Model	Sound Pressure level at 10m (dB)								Overall (dBA)
	Frequency Band (Hz)								
	63	125	250	500	1000	2000	4000	8000	
R(C/H)ME-60AH2	78	69	65	64	65	55	42	34	68
R(C/H)ME-70AH2	79	70	66	65	66	56	43	35	69
R(C/H)ME-80AH2	80	71	67	66	67	57	44	36	70
R(C/H)ME-90AH2	81	72	68	67	68	58	45	37	71
R(C/H)ME-120AH2	81	72	68	67	68	58	45	37	71
R(C/H)ME-140AH2	82	73	69	68	69	59	46	38	72

Model	Sound Pressure level at 30m (dB)								Overall (dBA)
	Frequency Band (Hz)								
	63	125	250	500	1000	2000	4000	8000	
R(C/H)ME-60AH2	68	60	56	54	56	45	33	24	58
R(C/H)ME-70AH2	69	61	57	55	57	46	34	25	59
R(C/H)ME-80AH2	70	62	58	56	58	47	35	26	60
R(C/H)ME-90AH2	71	63	59	57	59	48	36	27	61
R(C/H)ME-120AH2	71	63	59	57	59	48	36	27	61
R(C/H)ME-140AH2	72	64	60	58	60	49	37	28	62

NOTE

- *For LOW NOISE option the values of the tables are reduced by -3dB.*
- *For SUPER LOW NOISE option the values of the tables are reduced by -5dB.*
- *For Extra Super Low Noise -8dB*

3.4 Water Chillers options and accessories

3.4.1 Included functions

Specifications		Remarks
Compressor	Oil Heater	150 W
	Cyclonic Oil Separator	
Fan Motor	EC Motor	Inverter type
Control System	Current Limiter	
	Star-Delta starting	For compressors
	Main Isolator Switch	
	LCD touch panel	
	Local/Remote Changeover Switch	
	Individual Alarm	By Alarm Code
	Compressor Operation Hour Meter	Display on LCD
	Pressure Sensor (High and Low)	
	Pump Freeze Protection Operation	Pump ON/OFF Operation
	Pump Operation Circuit	Pump ON/OFF Contact
	Non Voltage Contact for Remote indication	Pump, Operation, Alarm
	DC24V External Control	Level or pulse
	Short Period Power OFF Protection	
	Reverse Phase Protection	
	Power Failure Recover Control	
	2 Different Temperatures Setting	
	Remote Control Switch (Field Supplied)	AC 220-240V
	Electrical Power estimation	Display on LCD
	% Instantaneous Load estimation	Display on LCD
	Power source terminals	AC 220-240V
	Output ON/OFF Signal for Free Cooling	
	Output ON/OFF Signal for Fan operation	Snow Protection
	Output Signal for Forcing Compressor Load	
Air Condenser	Coated Aluminium Fin	
Refrigeration cycle	Independent Circuit	R(C/H)ME-120AH2 & R(C/H)ME-140AH2
	Insulation on Refrigerant Pipes	Low pressure side
	Compressor Safety Valve	
	Pressure Display (High and Low)	Display on LCD
	Leak Detection	
Water system	10 bar Water Pressure	
Others	Numbered Cables	

3.4.2 Options

NOTE

Options (on order) are factory built. They shall be ordered together with the Chiller unit.

Specifications		Remarks
General	Low Noise add-on	Compressor Enclosure Included in “Low Noise”, “Super Low Noise” and “Extra Super Low Noise” options
	Super Low Noise add-on	
	Extra Super Low Noise add-on	
Working range	High water temperature	Outlet temperature: +15 ~ +30ºC (High1)
	Low water temperature	Outlet temperature: +5 ~ 0ºC (Low1)
		Outlet temperature: 0 ~ -5ºC (Low2)
		Outlet temperature: -5 ~ -10ºC (Low3)
Control system	Magnetic Circuit Breaker Protector (MCB)	Both compressor and fans
	Power Meter	Factory installed
Air condenser	Air Heat Exchangers Heavy Corrosion Protection	
	Coil guard	
Refrigeration cycle	Discharge Valve	
	Suction Valve	Only for RCME-AH2 models
	Compressor Dual Safety Valve	
	Partial Heat Recovery	
Water cooler	Water Cooler Heater	
Water system	Differential Water Pressure Switch	
	Stainless Steel Water Pipe	AISI 304. Included in “high Water Outlet Temperature” option
	Pump kit (single and double)	Option single or dual and option for standard or high pressure
	Common Water Pipe	Only for models 120 and 140 HP
Others	Power cable routing W / WO	
	EBOX Lower Safety Cover	
	Wood Base	Only for models 60, 70, 80, 90 HP
	Wood Skid	
	Unit Lower Panels	
	Witness Test	
	Water pressure port	
	LCD Language Pack 1	English, Russian, Finnish
	LCD Language Pack 2	English, German, Hungarian
	LCD Language Pack 3	English, Dutch, Polish
	LCD Language Pack 4	English, Italian, Greek.

NOTE

Incompatibilities:

- *Stainless Steel Water Pipe Option + Common Water Pipe Accessory.*
- *Super Low Noise + Low Noise.*
- *Stainless Steel Water Pipe + High Water Outlet Temperature.*
- *Brine option (low1) + Brine option (low2)*
- *In the High Water Outlet Temperature Option is included Stainless Steel Water Pipe.*
- *In the Heavy Corrosion Option is included Stainless Steel Water Pipe and Heavy Corrosion Air Heat Exchangers.*
- *Pump Kit options can not mix.*

3.4.3 Accessories

Description	Specifications	Code	Remarks (number of accessories)
CHL-WFS-01	Water Flow Switch	8E500001	R(C/H)ME-(60-90)AH2: 1 per Master unit R(C/H)ME-(120/140)AH2: 2 per Master unit or 1 per master if common water pipe option is installed
CHL-WST-01	Water Strainer 2.1/2"	8E500002	R(C/H)ME-(60-90)AH2: 1 per Master unit R(C/H)ME-(120/140)AH2: 2 per Master unit
CHL-WST-04	Water Strainer 5"	8E500005	R(C/H)ME-(60-90)AH2:1 each group of 2 or 3 modules with Common water pipe accessory is assembled R(C/H)ME-(120/140)AH2: 1 per individual module with common water pipe option installed
CHL-FLA-01	Water Flange Connection 2.1/2"	8E500011	R(C/H)ME-(60-90)AH2: 1 per Master unit R(C/H)ME-(120/140)AH2: 2 per Master unit
CHL-CWP-07	Common Water Pipe L-R	8E500036	R(C/H)ME-(60-90)AH2:1 each group of 2 or 3 modules
CHL-CWP-08	Common Water Pipe -M-	8E500037	R(C/H)ME-(60-90)AH2:1 each group of 3 modules
CHL-AVR-02	Antivibration Rubber Mat	8E500041	R(C/H)ME-(60/70)AH2: 1 per module R(C/H)ME-(80/90)AH2: 2 per module
CHL-AVS-06	Antivibration Spring System	8E500038	R(C/H)ME-(60/70)AH2: 1 per module
CHL-AVS-07	Antivibration Spring System	8E500039	R(C/H)ME-(80/90)AH2: 1 per module
CHL-AVS-08	Antivibration Spring System	8E500040	R(C/H)ME-(120/140)AH2: 1 per module
CHL-MBS-02	Modbus BMS Gateway	8E500021	R(C/H)ME-(60-140)AH2: 1 per Master unit
CHL-BAC-01	BAC NET Gateway	8E500027	R(C/H)ME-(60-140)AH2: 1 per Master unit
CHL-PMM-04	Power Meter (200A)	8E500033	R(C/H)ME-(60-90)AH2: 1 per module
CHL-PMM-05	Power Meter (400A)	8E500034	R(C/H)ME-(60-90)AH2: 1 per each group of 2 modules R(C/H)ME-(120/140)AH2: 1 per module
CHL-PMM-06	Power Meter (1000A)	8E500035	R(C/H)ME-(60-90)AH2: 1 per each group of 3 modules R(C/H)ME-(120/140)AH2: 1 per each group of 2 or 3 modules

NOTE

Accessories are field installed. They shall be ordered separately.

3.5 Components data

3.5.1 Compressor

Model			G40ASF-Z	G50ASF-Z	G60ASF-Z
Type			HITACHI semi-hermetic screw type		
	Revolution	rpm	2880		
	Displacement	m^3/h	211.7	272.0	340.1
	Capacity Control	%	25 ~ 100		
Pneumatic Pressure					
	High Side	MPa	2.02		
	Low Side	MPa	2.02		
Motor	Type		Special Squirrel Cage Three-Phase Motor		
	Starting Method		Star-Delta Starting		
	Nominal Output	kW	30	37	45
	Poles		2		
	Insulation		E		
Oil	Name		JX Nippon Oil & Energy, Ze-GLES RB 68		
	Charge	Litre	6		
Net Weight		kg	440	485	510

3.5.2 Condenser and Condenser Fan

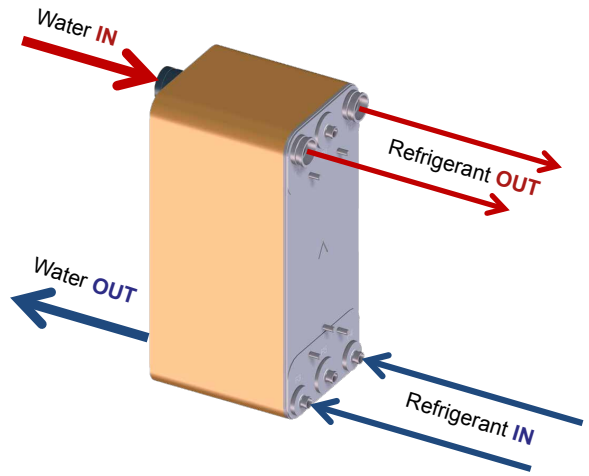
Model R(C/H)ME-AH2				60 HP	70 HP	80 HP	90 HP	120 HP	140 HP
Air Heat Exchanger	Type			Multi-Pass Cross Finned tube					
	Piping	Material		Copper Tube					
		Outer Diameter	mm	7.00					
		Rows		3					
	Fin	Pitch		1.70					
		Material		Aluminium					
	Quantity			4		6		8	
	Maximum Operating Pressure		MPa	4.15					
Fan system	Fan	Type		Direct-Driven Propeller Fan					
		Quantity		4		6		8	
		Outer diameter		710					
		Revolution		900					
		Air Flow	m^3/min	210					
	Motor	Type		Drip-proof type enclosure					
				DC					
		Poles		8					
		Quantity		4		6		8	
		Nominal Output	kW	1.2					
		Starting Method		Direct-On-Line Starting					

3.5.3 Water Cooler

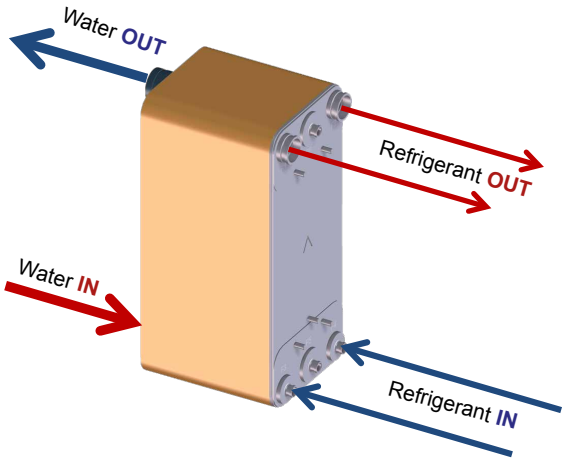
			Brazed plate heat exchanger type		
			A	B	C
Dimensions	Height (H)	mm	694	694	694
	Width (W)	mm	304	304	304
	Depth (D)	mm	332	389	447
Maximum permissible pressure	Refrigerant side	MPa	3.1	3.1	3.1
	Water side	MPa	2.8	2.8	2.8
Internal volume	Refrigerant side	Litre	26.8	31.7	36.5
	Water side	Litre	28.2	33.3	38.3
Material			AISI316		
Net weight (without water)			101	117	133

Model RCME-AH2	Brazed plate heat exchanger type	Model RHME-AH2	Brazed plate heat exchanger type
RCME-60AH2	A	RHME-60AH2	B
RCME-70AH2	B	RHME-70AH2	
RCME-80AH2		RHME-80AH2	C
RCME-90AH2		RHME-90AH2	
RCME-120AH2	A x 2	RHME-120AH2	B x 2
RCME-140AH2	B x 2	RHME-140AH2	

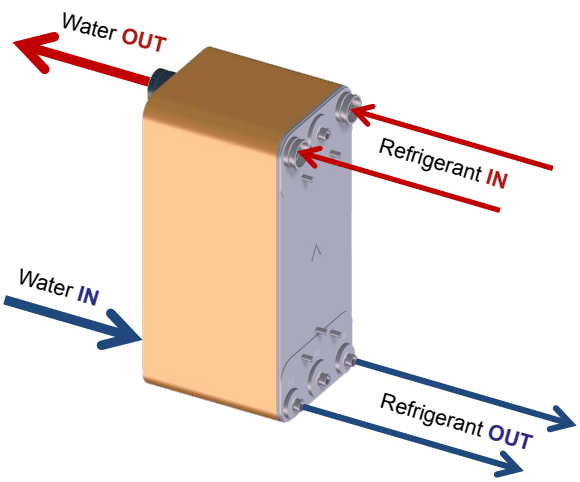
RCME-AH2



RHME-AH2 (Cooling Operation)



RHME-AH2 (Heating Operation)



3.6 Typical on-site module combinations

3.6.1 General Data for RCME-AH2

The following considerations are identified in the General Data tables by their corresponding number:

- (1) Data is based on the following conditions:

  Pump input not included.

  In cooling operation:

  Chilled Water Inlet / Outlet Temperature: 12 / 7ºC.

  Condenser Inlet Air Temperature : 35ºC.
- (2) Pump input is included in the data (according to the European Standard EN 14511).
- (3) Low water temperature option requires Brine (antifreeze mixture of ethylene glycol type or propylene glycol type).
- All data refers to High Efficiency mode.
- All Sound Pressure Level data are measured at 10 m from the unit.

◆ 2 Modules RCME-AH2

Model			2 x RCME-60AH2	2 x RCME-70AH2	2 x RCME-80AH2	2 x RCME-90AH2	2 x RCME-120AH2	2 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling Capacity (1)		kW	320	360	410	450	640	720
Total Input power (1)		kW	102	114.6	129.8	140.6	203.8	229.2
EER (1)		-	3.14	3.14	3.16	3.2	3.14	3.14
SEER net		-	4.34	4.35	4.38	4.42	4.36	4.38
$SEPR_{MT}$ (4)		-	3.24	3.24	3.26	3.30	3.25	3.25
$SEPR_{HT}$		-	5.11	5.11	5.15	5.20	5.13	5.13
Cooling Capacity (2)		kW	319.2	359.2	409	448.8	638.8	718.8
Total Input Power (2)		kW	102.6	115.4	130.8	141.8	205	230.6
EER (2)		-	3.11	3.11	3.13	3.16	3.12	3.12
Outer dimension	Height	mm	2450					
	Width	mm	3910				7940	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	2530	2590	3100	3270	5130	5250
Operating weight		kg	2600	2680	3180	3360	5280	5440
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	2				4	
	Oil Heater	W	2 x 150				2 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	2 x 4		2 x 6		2 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	58	72	94	94	116	144
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	2 x 1				2 x 1	
Nominal water flow		m^3/h	55	62	70.6	77.4	110	123.8
Water pressure drop		kPa	16.6	15.9	20.1	23.8	16.6	15.9
Permissible water pressure max.		MPa	1					
Water flow range	Min.	m^3/h	34.4	38.8	44	48.4	68.8	77.4
	Max.	m^3/h	78.6	88.4	100.8	110.6	157.2	177
Minimum internal system water volume		m^3	1.54	1.52	1.96	1.9	3.08	3.04
Water pipe connection	Size and type	inches	2.1/2” Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	°C	+5 ~ +15					
	Low (option) (3)	°C	-10 ~ +5					
	High (option)	°C	+15 ~ +30					
Ambient air inlet temperature		°C	-15 ~ +46					
Sound power level		dB(A)	99	100	101	102	102	103
Sound pressure level		dB(A)	86	87	88	89	89	90

◆ 3 Modules RCME-AH2

Model			3 x RCME-60AH2	3 x RCME-70AH2	3 x RCME-80AH2	3 x RCME-90AH2	3 x RCME-120AH2	3 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling Capacity (1)		kW	480	540	615	675	960	1080
Total Input power (1)		kW	153	171.9	194.7	210.9	305.7	343.8
EER (1)		-	3.14	3.14	3.16	3.2	3.14	3.14
SEER net		-	4.45	4.46	4.49	4.54	4.47	4.48
$SEPR_{MT}$ (4)		-	3.24	3.24	3.26	3.30	3.25	3.25
$SEPR_{HT}$		-	5.11	5.11	5.15	5.20	5.13	5.13
Cooling Capacity (2)		kW	478.8	538.8	613.5	673.2	958.2	1078.2
Total Input Power (2)		kW	153.9	173.1	196.2	212.7	307.5	345.9
EER (2)		-	3.11	3.11	3.13	3.16	3.12	3.12
Outer dimension	Height	mm	2450					
	Width	mm	5865				11910	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	3795	3885	4650	4905	7695	7875
Operating weight		kg	3900	4020	4770	5040	7920	8160
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	3				6	
	Oil Heater	W	3 x 150				3 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	3 x 4		3 x 6		3 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	87	108	141	141	174	216
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	3 x 1				2 x 1	
Nominal water flow		m^3/h	82.5	93	105.9	116.1	165	185.7
Water pressure drop		kPa	16.6	15.9	20.1	23.8	16.6	15.9
Permissible water pressure max.		MPa	1					
Water flow range	Min.	m^3/h	51.6	58.2	66	72.6	103.2	116.1
	Max.	m^3/h	117.9	132.6	151.2	165.9	235.8	265.5
Minimum internal system water volume		m^3	2.31	2.28	2.94	2.85	4.62	4.56
Water pipe connection	Size and type	inches	2.1/2" Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	°C	+5 ~ +15					
	Low (option) (3)	°C	-10 ~ +5					
	High (option)	°C	+15 ~ +30					
Ambient air inlet temperature		°C	-15 ~ +46					
Sound power level		dB(A)	101	102	103	104	104	105
Sound pressure level		dB(A)	88	89	90	91	91	92

◆ 4 Modules RCME-AH2

Model			4 x RCME-60AH2	4 x RCME-70AH2	4 x RCME-80AH2	4 x RCME-90AH2	4 x RCME-120AH2	4 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling Capacity (1)		kW	640	720	820	900	1280	1440
Total Input power (1)		kW	204	0	259.6	281.2	407.6	458.4
EER (1)		-	3.14	3.14	3.16	3.2	3.14	3.14
SEER net		-	4.43	4.44	4.47	4.52	4.45	4.46
$SEPR_{MT}$ (4)		-	3.24	3.24	3.26	3.30	3.25	3.25
$SEPR_{HT}$		-	5.11	5.11	5.15	5.20	5.13	5.13
Cooling Capacity (2)		kW	638.4	718.4	818	897.6	1277.6	1437.6
Total Input Power (2)		kW	205.2	230.8	261.6	283.6	410	461.2
EER (2)		-	3.11	3.11	3.13	3.16	3.12	3.12
Outer dimension	Height	mm	2450					
	Width	mm	7820				15880	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	5060	5180	6200	6540	10260	10500
Operating weight		kg	5200	5360	6360	6720	10560	10880
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	4				8	
	Oil Heater	W	4 x 150				4 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	4 x 4		4 x 6		4 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	116	144	188	188	232	288
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	4 x 1				2 x 1	
Nominal water flow		m^3/h	110	124	141.2	154.8	220	247.6
Water pressure drop		kPa	16.6	15.9	20.1	23.8	16.6	15.9
Permissible water pressure max.		MPa	1					
Water flow range	Min.	m^3/h	68.8	77.6	88	96.8	137.6	154.8
	Max.	m^3/h	157.2	176.8	201.6	221.2	314.4	354
Minimum internal system water volume		m^3	3.08	3.04	3.92	3.8	6.16	6.08
Water pipe connection	Size and type	inches	2.1/2" Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	°C	+5 ~ +15					
	Low (option) (3)	°C	-10 ~ +5					
	High (option)	°C	+15 ~ +30					
Ambient air inlet temperature		°C	-15 ~ +46					
Sound power level		dB(A)	102	103	104	105	105	106
Sound pressure level		dB(A)	89	90	91	92	92	93

◆ 5 Modules RCME-AH2

Model			5 x RCME-60AH2	5 x RCME-70AH2	5 x RCME-80AH2	5 x RCME-90AH2	5 x RCME-120AH2	5 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling Capacity (1)		kW	800	900	1025	1125	1600	1800
Total Input power (1)		kW	255	286.5	324.5	351.5	509.5	573
EER (1)		-	3.14	3.14	3.16	3.2	3.14	3.14
SEER net		-	4.46	4.48	4.50	4.55	4.48	4.49
$SEPR_{MT}$ (4)		-	3.24	3.24	3.26	3.30	3.25	3.25
$SEPR_{HT}$		-	5.11	5.11	5.15	5.20	5.13	5.13
Cooling Capacity (2)		kW	798	898	1022.5	1122	1597	1797
Total Input Power (2)		kW	256.5	288.5	327	354.5	512.5	576.5
EER (2)		-	3.11	3.11	3.13	3.16	3.12	3.12
Outer dimension	Height	mm	2450					
	Width	mm	9775				19850	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	6325	6475	7750	8175	12825	13125
Operating weight		kg	6500	6700	7950	8400	13200	13600
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	5				10	
	Oil Heater	W	5 x 150				5 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	5 x 4		5 x 6		5 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	145	180	235	235	290	360
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	5 x 1				2 x 1	
Nominal water flow		m^3/h	137.5	155	176.5	193.5	275	309.5
Water pressure drop		kPa	16.6	15.9	20.1	23.8	16.6	15.9
Permissible water pressure max.		MPa	1					
Water flow range	Min.	m^3/h	86	97	110	121	172	193.5
	Max.	m^3/h	196.5	221	252	276.5	393	442.5
Minimum internal system water volume		m^3	3.85	3.8	4.9	4.75	7.7	7.6
Water pipe connection	Size and type	inches	2.1/2” Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Ambient air inlet temperature		ºC	-15 ~ +46					
Sound power level		dB(A)	103	104	105	106	106	107
Sound pressure level		dB(A)	90	91	92	93	93	94

◆ 6 Modules RCME-AH2

Model			6 x RCME-60AH2	6 x RCME-70AH2	6 x RCME-80AH2	6 x RCME-90AH2	6 x RCME-120AH2	6 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling Capacity (1)		kW	960	1080	1230	1350	1920	2160
Total Input power (1)		kW	306	343.8	389.4	421.8	611.4	687.6
EER (1)		-	3.14	3.14	3.16	3.2	3.14	3.14
SEER net		-	4.45	4.46	4.49	4.54	4.47	4.48
$SEPR_{MT}$ (4)		-	3.24	3.24	3.26	3.30	3.25	3.25
$SEPR_{HT}$		-	5.11	5.11	5.15	5.20	5.13	5.13
Cooling Capacity (2)		kW	957.6	1077.6	1227	1346.4	1916.4	2156.4
Total Input Power (2)		kW	307.8	346.2	392.4	425.4	615	691.8
EER (2)		-	3.11	3.11	3.13	3.16	3.12	3.12
Outer dimension	Height	mm	2450					
	Width	mm	11730				23820	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	7590	7770	9300	9810	15390	15750
Operating weight		kg	7800	8040	9540	10080	15840	16320
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	6				12	
	Oil Heater	W	6 x 150				6 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	6 x 4		6 x 6		6 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	174	216	282	282	348	432
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	6 x 1				2 x 1	
Nominal water flow		m^3/h	165	186	211.8	232.2	330	371.4
Water pressure drop		kPa	16.6	15.9	20.1	23.8	16.6	15.9
Permissible water pressure max.		MPa	1					
Water flow range	Min.	m^3/h	103.2	116.4	132	145.2	206.4	232.2
	Max.	m^3/h	235.8	265.2	302.4	331.8	471.6	531
Minimum internal system water volume		m^3	4.62	4.56	5.88	5.7	9.24	9.12
Water pipe connection	Size and type	inches	2.1/2" Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	°C	+5 ~ +15					
	Low (option) (3)	°C	-10 ~ +5					
	High (option)	°C	+15 ~ +30					
Ambient air inlet temperature		°C	-15 ~ +46					
Sound power level		dB(A)	104	105	106	107	107	108
Sound pressure level		dB(A)	91	92	93	94	94	95

◆ 7 Modules RCME-AH2

Model			7 x RCME-60AH2	7 x RCME-70AH2	7 x RCME-80AH2	7 x RCME-90AH2	7 x RCME-120AH2	7 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling Capacity (1)		kW	1120	1260	1435	1575	2240	2520
Total Input power (1)		kW	357	401.1	454.3	492.1	713.3	802.2
EER (1)		-	3.14	3.14	3.16	3.2	3.14	3.14
SEER net		-	4.46	4.47	4.50	4.55	4.48	4.49
$SEPR_{MT}$ (4)		-	3.24	3.24	3.26	3.30	3.25	3.25
$SEPR_{HT}$		-	5.11	5.11	5.15	5.20	5.13	5.13
Cooling Capacity (2)		kW	1117.2	1257.2	1431.5	1570.8	2235.8	2515.8
Total Input Power (2)		kW	359.1	403.9	457.8	496.3	717.5	807.1
EER (2)		-	3.11	3.11	3.13	3.16	3.12	3.12
Outer dimension	Height	mm	2450					
	Width	mm	13685				27790	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	8855	9065	10850	11445	17955	18375
Operating weight		kg	9100	9380	11130	11760	18480	19040
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	7				14	
	Oil Heater	W	7 x 150				7 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	7 x 4		7 x 6		7 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	203	252	329	329	406	504
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	7 x 1				2 x 1	
Nominal water flow		m^3/h	192.5	217	247.1	270.9	385	433.3
Water pressure drop		kPa	16.6	15.9	20.1	23.8	16.6	15.9
Permissible water pressure max.		MPa	1					
Water flow range	Min.	m^3/h	120.4	135.8	154	169.4	240.8	270.9
	Max.	m^3/h	275.1	309.4	352.8	387.1	550.2	619.5
Minimum internal system water volume		m^3	5.39	5.32	6.86	6.65	10.78	10.64
Water pipe connection	Size and type	inches	2.1/2" Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	°C	+5 ~ +15					
	Low (option) (3)	°C	-10 ~ +5					
	High (option)	°C	+15 ~ +30					
Ambient air inlet temperature		°C	-15 ~ +46					
Sound power level		dB(A)	105	106	107	108	108	109
Sound pressure level		dB(A)	92	93	94	95	95	96

◆ 8 Modules RCME-AH2

Model			8 x RCME-60AH2	8 x RCME-70AH2	8 x RCME-80AH2	8 x RCME-90AH2	8 x RCME-120AH2	8 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling Capacity (1)		kW	1280	1440	1640	1800	2560	2880
Total Input power (1)		kW	408	458.4	519.2	562.4	815.2	916.8
EER (1)		-	3.14	3.14	3.16	3.2	3.14	3.14
SEER net		-	4.47	4.49	4.51	4.56	4.49	4.50
$SEPR_{MT}$ (4)		-	3.24	3.24	3.26	3.30	3.25	3.25
$SEPR_{HT}$		-	5.11	5.11	5.15	5.20	5.13	5.13
Cooling Capacity (2)		kW	1276.8	1436.8	1636	1795.2	2555.2	2875.2
Total Input Power (2)		kW	410.4	461.6	523.2	567.2	820	922.4
EER (2)		-	3.11	3.11	3.13	3.16	3.12	3.12
Outer dimension	Height	mm	2450					
	Width	mm	15640				31760	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	10120	10360	12400	13080	20520	21000
Operating weight		kg	10400	10720	12720	13440	21120	21760
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	8				16	
	Oil Heater	W	8 x 150				8 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	8 x 4		8 x 6		8 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	232	288	376	376	464	576
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	8 x 1				2 x 1	
Nominal water flow		m^3/h	220	248	282.4	309.6	440	495.2
Water pressure drop		kPa	16.6	15.9	20.1	23.8	16.6	15.9
Permissible water pressure max.		MPa	1					
Water flow range	Min.	m^3/h	137.6	155.2	176	193.6	275.2	309.6
	Max.	m^3/h	314.4	353.6	403.2	442.4	628.8	708
Minimum internal system water volume		m^3	6.16	6.08	7.84	7.6	12.32	12.16
Water pipe connection	Size and type	inches	2.1/2" Victaulic					
	Quantity	-	1 × Inlet, 1 × Outlet				2 × Inlet, 2 × Outlet	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	°C	+5 ~ +15					
	Low (option) (3)	°C	-10 ~ +5					
	High (option)	°C	+15 ~ +30					
Ambient air inlet temperature		°C	-15 ~ +46					
Sound power level		dB(A)	105	106	107	108	108	109
Sound pressure level		dB(A)	92	93	94	95	95	96

3.6.2 General Data for RHME-AH2

The following considerations are identified in the General Data tables by their corresponding number:

- (1) Data is based on the following conditions:

  Pump input not included.

  In cooling operation:

  Chilled Water Inlet / Outlet Temperature: 12 / 7ºC.

  Condenser Inlet Air Temperature : 35ºC.

  In heating operation:

  Heated Water Inlet / Outlet Temperature : 40 / 45°C.

  Evaporator Air Inlet Temperature : 6°C WB.
- (2) Pump input is included in the data (according to the European Standard EN 14511).
- (3) Low water temperature option requires Brine (antifreeze mixture of ethylene glycol type or propylene glycol type).
- All data refers to High Efficiency mode.
- All Sound Pressure Level data are measured at 10 m from the unit.

◆ 2 Modules RHME-AH2

Model			2 x RHME-60AH2	2 x RHME-70AH2	2 x RHME-80AH2	2 x RHME-90AH2	2 x RCME-120AH2	2 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling	Capacity (1)	kW	300	340	390	420	600	680
	Total Input power (1)	kW	101.6	115.2	131.4	139.6	203.4	230.6
	EER (1)	-	2.95	2.95	2.97	3.01	2.95	2.95
	SEER		4.10	4.10	4.13	4.19	4.12	4.12
	Capacity (2)	kW	299.4	339.2	389.2	419	599.2	678.8
	Total Input Power (2)	kW	102.2	116	132.2	140.4	204.2	231.6
	EER (2)	-	2.93	2.93	2.95	2.98	2.93	2.93
Heating	Capacity (1)	kW	290	290	370	370	580	580
	Total input power (1)	kW	102.4	102.4	129.8	129.8	205	205
	COP (1)	-	2.83	2.83	2.85	2.85	2.83	2.83
	$SCOP_{LT}$	-	3.33	3.33	3.37	3.37	3.33	3.33
	Capacity (2)	kW	145.3	145.4	185.4	185.5	290.4	290.6
	Total Input Power (2)	kW	51.5	51.6	65.3	65.4	102.9	103
	COP (2)	-	2.82	2.82	2.84	2.84	2.82	2.82
Outer dimension	Height	mm	2450					
	Width	mm	3910				7940	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	2760	2800	3320	3480	5600	5720
Operating weight		kg	2800	2840	3360	3520	5640	5760
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	2				4	
	Oil Heater	W	2 x 150				2 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	2 x 4		2 x 6		2 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	74	78	98	98	148	156
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	2 x 1				2 x 2	
Chilled Water Flow	Cooling	m^3/h	51.6	58.4	67	72.2	103.2	117
	Heating	m^3/h	49.8		63.6		99.8	
Water pressure drop	Cooling	kPa	11.4	14.3	15.1	17.3	11.4	14.3
	Heating		10.7		13.7		10.7	
Permissible water pressure max.		MPa	1					
Chilled Water Flow Range	Min.	m^3/h	32.2	36.6	42	45.2	64.6	73.2
	Max.	m^3/h	73.8	83.6	95.8	103.2	147.4	167
Minimum internal system water volume		m^3	1.44	1.44	1.88	1.78	2.88	2.88
Water pipe connection	Size and type	inches	2 x 2.1/2" Victaulic					
	Quantity	-	2 x (1 × Inlet, 1 × Outlet)				2 x (2 × Inlet, 2 × Outlet)	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Heated Water Outlet Temperature		ºC	+35 ~ +55					
Ambient Air Inlet Temperature	Cooling	ºC	-15 ~ +46					
	Heating	ºC	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound power level		dB(A)	99	100	101	102	102	103
Sound pressure level		dB(A)	86	87	88	89	89	90

◆ 3 Modules RHME-AH2

Model			3 x RHME-60AH2	3 x RHME-70AH2	3 x RHME-80AH2	3 x RHME-90AH2	3 x RCME-120AH2	3 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling	Capacity (1)	kW	450	510	585	630	900	1020
	Total Input power (1)	kW	152.4	172.8	197.1	209.4	305.1	345.9
	EER (1)	-	2.95	2.95	2.97	3.01	2.95	2.95
	SEER	-	4.20	4.20	4.23	4.29	4.21	4.21
	Capacity (2)	kW	449.1	508.8	583.8	628.5	898.8	1018.2
	Total Input Power (2)	kW	153.3	174	198.3	210.6	306.3	347.4
	EER (2)	-	2.93	2.93	2.95	2.98	2.93	2.93
Heating	Capacity (1)	kW	435	435	555	555	870	870
	Total input power (1)	kW	153.6	153.6	194.7	194.7	307.5	307.5
	COP (1)	-	2.83	2.83	2.85	2.85	2.83	2.83
	$SCOP_{LT}$	-	3.39	3.39	3.42	3.42	3.39	3.39
	Capacity (2)	kW	145.3	145.4	185.4	185.5	290.4	290.6
	Total Input Power (2)	kW	51.5	51.6	65.3	65.4	102.9	103
	COP (2)	-	2.82	2.82	2.84	2.84	2.82	2.82
Outer dimension	Height	mm	2450					
	Width	mm	5865				11910	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	4140	4200	4980	5220	8400	8580
Operating weight		kg	4200	4260	5040	5280	8460	8640
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	3				6	
	Oil Heater	W	3 x 150				3 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	3 x 4		3 x 6		3 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	111	117	147	147	222	234
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	3 x 1				3 x 2	
Chilled Water Flow	Cooling	m^3/h	77.4	87.6	100.5	108.3	154.8	175.5
	Heating	m^3/h	74.7		95.4		149.7	
Water pressure drop	Cooling	kPa	11.4	14.3	15.1	17.3	11.4	14.3
	Heating		10.7		13.7		10.7	
Permissible water pressure max.		MPa	1					
Chilled Water Flow Range	Min.	m^3/h	48.3	54.9	63	67.8	96.9	109.8
	Max.	m^3/h	110.7	125.4	143.7	154.8	221.1	250.5
Minimum internal system water volume		m^3	2.16	2.16	2.82	2.67	4.32	4.32
Water pipe connection	Size and type	inches	3 x 2.1/2" Victaulic					
	Quantity	-	3 x (1 × Inlet, 1 × Outlet)				3 x (2 × Inlet, 2 × Outlet)	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Heated Water Outlet Temperature		ºC	+35 ~ +55					
Ambient Air Inlet Temperature	Cooling	ºC	-15 ~ +46					
	Heating	ºC	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound power level		dB(A)	101	102	103	104	104	105
Sound pressure level		dB(A)	88	89	90	91	91	92

◆ 4 Modules RHME-AH2

Model			4 x RHME-60AH2	4 x RHME-70AH2	4 x RHME-80AH2	4 x RHME-90AH2	4 x RCME-120AH2	4 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling	Capacity (1)	kW	600	680	780	840	1200	1360
	Total Input power (1)	kW	203.2	230.4	262.8	279.2	406.8	461.2
	EER (1)	-	2.95	2.95	2.97	3.01	2.95	2.95
	SEER	-	4.18	4.18	4.22	4.27	4.20	4.20
	Capacity (2)	kW	598.8	678.4	778.4	838	1198.4	1357.6
	Total Input Power (2)	kW	204.4	232	264.4	280.8	408.4	463.2
	EER (2)	-	2.93	2.93	2.95	2.98	2.93	2.93
Heating	Capacity (1)	kW	580	580	740	740	1160	1160
	Total input power (1)	kW	204.8	204.8	259.6	259.6	410	410
	COP (1)	-	2.83	2.83	2.85	2.85	2.83	2.83
	$SCOP_{LT}$	-	3.40	3.40	3.43	3.43	3.40	3.40
	Capacity (2)	kW	145.3	145.4	185.4	185.5	290.4	290.6
	Total Input Power (2)	kW	51.5	51.6	65.3	65.4	102.9	103
	COP (2)	-	2.82	2.82	2.84	2.84	2.82	2.82
Outer dimension	Height	mm	2450					
	Width	mm	7820				15880	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	5520	5600	6640	6960	11200	11440
Operating weight		kg	5600	5680	6720	7040	11280	11520
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	4				8	
	Oil Heater	W	4 x 150				4 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	4 x 4		4 x 6		4 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	148	156	196	196	296	312
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	4 x 1				4 x 2	
Chilled Water Flow	Cooling	m^3/h	103.2	116.8	134	144.4	206.4	234
	Heating	m^3/h	99.6		127.2		199.6	
Water pressure drop	Cooling	kPa	11.4	14.3	15.1	17.3	11.4	14.3
	Heating		10.7		13.7		10.7	
Permissible water pressure max.		MPa	1					
Chilled Water Flow Range	Min.	m^3/h	64.4	73.2	84	90.4	129.2	146.4
	Max.	m^3/h	147.6	167.2	191.6	206.4	294.8	334
Minimum internal system water volume		m^3	2.88	2.88	3.76	3.56	5.76	5.76
Water pipe connection	Size and type	inches	4 x 2.1/2" Victaulic					
	Quantity	-	4 x (1 × Inlet, 1 × Outlet)				4 x (2 × Inlet, 2 × Outlet)	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Heated Water Outlet Temperature		ºC	+35 ~ +55					
Ambient Air Inlet Temperature	Cooling	ºC	-15 ~ +46					
	Heating	ºC	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound power level		dB(A)	102	103	104	105	105	106
Sound pressure level		dB(A)	89	90	91	92	92	93

◆ 5 Modules RHME-AH2

Model			5 x RHME-60AH2	5 x RHME-70AH2	5 x RHME-80AH2	5 x RHME-90AH2	5 x RCME-120AH2	5 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling	Capacity (1)	kW	750	850	975	1050	1500	1700
	Total Input power (1)	kW	254	288	328.5	349	508.5	576.5
	EER (1)	-	2.95	2.95	2.97	3.01	2.95	2.95
	SEER	-	4.21	4.21	4.25	4.30	4.23	4.23
	Capacity (2)	kW	748.5	848	973	1047.5	1498	1697
	Total Input Power (2)	kW	255.5	290	330.5	351	510.5	579
	EER (2)	-	2.93	2.93	2.95	2.98	2.93	2.93
Heating	Capacity (1)	kW	725	725	925	925	1450	1450
	Total input power (1)	kW	256	256	324.5	324.5	512.5	512.5
	COP (1)	-	2.83	2.83	2.85	2.85	2.83	2.83
	$SCOP_{LT}$	-	3.41	3.41	3.44	3.44	3.41	3.41
	Capacity (2)	kW	145.3	145.4	185.4	185.5	290.4	290.6
	Total Input Power (2)	kW	51.5	51.6	65.3	65.4	102.9	103
	COP (2)	-	2.82	2.82	2.84	2.84	2.82	2.82
Outer dimension	Height	mm	2450					
	Width	mm	9775				19850	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	6900	7000	8300	8700	14000	14300
Operating weight		kg	7000	7100	8400	8800	14100	14400
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	5				10	
	Oil Heater	W	5 x 150				5 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	5 x 4		5 x 6		5 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	185	195	245	245	370	390
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	5 x 1				5 x 2	
Chilled Water Flow	Cooling	m^3/h	129	146	167.5	180.5	258	292.5
	Heating	m^3/h	124.5		159		249.5	
Water pressure drop	Cooling	kPa	11.4	14.3	15.1	17.3	11.4	14.3
	Heating		10.7		13.7		10.7	
Permissible water pressure max.		MPa	1					
Chilled Water Flow Range	Min.	m^3/h	80.5	91.5	105	113	161.5	183
	Max.	m^3/h	184.5	209	239.5	258	368.5	417.5
Minimum internal system water volume		m^3	3.6	3.6	4.7	4.45	7.2	7.2
Water pipe connection	Size and type	inches	5 x 2.1/2" Victaulic					
	Quantity	-	5 x (1 × Inlet, 1 × Outlet)				5 x (2 × Inlet, 2 × Outlet)	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Heated Water Outlet Temperature		ºC	+35 ~ +55					
Ambient Air Inlet Temperature	Cooling	ºC	-15 ~ +46					
	Heating	ºC	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound power level		dB(A)	103	104	105	106	106	107
Sound pressure level		dB(A)	90	91	92	93	93	94

◆ 6 Modules RHME-AH2

Model			6 x RHME-60AH2	6 x RHME-70AH2	6 x RHME-80AH2	6 x RHME-90AH2	6 x RCME-120AH2	6 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling	Capacity (1)	kW	900	1020	1170	1260	1800	2040
	Total Input power (1)	kW	304.8	345.6	394.2	418.8	610.2	691.8
	EER (1)	-	2.95	2.95	2.97	3.01	2.95	2.95
	SEER	-	4.20	4.20	4.24	4.29	4.21	4.22
	Capacity (2)	kW	898.2	1017.6	1167.6	1257	1797.6	2036.4
	Total Input Power (2)	kW	306.6	348	396.6	421.2	612.6	694.8
	EER (2)	-	2.93	2.93	2.95	2.98	2.93	2.93
Heating	Capacity (1)	kW	870	870	1110	1110	1740	1740
	Total input power (1)	kW	307.2	307.2	389.4	389.4	615	615
	COP (1)	-	2.83	2.83	2.85	2.85	2.83	2.83
	$SCOP_{LT}$	-	3.41	3.41	3.44	3.44	3.41	3.41
	Capacity (2)	kW	145.3	145.4	185.4	185.5	290.4	290.6
	Total Input Power (2)	kW	51.5	51.6	65.3	65.4	102.9	103
	COP (2)	-	2.82	2.82	2.84	2.84	2.82	2.82
Outer dimension	Height	mm	2450					
	Width	mm	11730				23820	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	8280	8400	9960	10440	16800	17160
Operating weight		kg	8400	8520	10080	10560	16920	17280
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	6				12	
	Oil Heater	W	6 x 150				6 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	6 x 4		6 x 6		6 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	222	234	294	294	444	468
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	6 x 1				6 x 2	
Chilled Water Flow	Cooling	m^3/h	154.8	175.2	201	216.6	309.6	351
	Heating	m^3/h	149.4		190.8		299.4	
Water pressure drop	Cooling	kPa	11.4	14.3	15.1	17.3	11.4	14.3
	Heating		10.7		13.7		10.7	
Permissible water pressure max.		MPa	1					
Chilled Water Flow Range	Min.	m^3/h	96.6	109.8	126	135.6	193.8	219.6
	Max.	m^3/h	221.4	250.8	287.4	309.6	442.2	501
Minimum internal system water volume		m^3	4.32	4.32	5.64	5.34	8.64	8.64
Water pipe connection	Size and type	inches	6 x 2.1/2" Victaulic					
	Quantity	-	6 x (1 × Inlet, 1 × Outlet)				6 x (2 × Inlet, 2 × Outlet)	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Heated Water Outlet Temperature		ºC	+35 ~ +55					
Ambient Air Inlet Temperature	Cooling	ºC	-15 ~ +46					
	Heating	ºC	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound power level		dB(A)	104	105	106	107	107	108
Sound pressure level		dB(A)	91	92	93	94	94	95

◆ 7 Modules RHME-AH2

Model			7 x RHME-60AH2	7 x RHME-70AH2	7 x RHME-80AH2	7 x RHME-90AH2	7 x RCME-120AH2	7 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling	Capacity (1)	kW	1050	1190	1365	1470	2100	2380
	Total Input power (1)	kW	355.6	403.2	459.9	488.6	711.9	807.1
	EER (1)	-	2.95	2.95	2.97	3.01	2.95	2.95
	SEER	-	4.21	4.21	4.24	4.30	4.22	4.22
	Capacity (2)	kW	1047.9	1187.2	1362.2	1466.5	2097.2	2375.8
	Total Input Power (2)	kW	357.7	406	462.7	491.4	714.7	810.6
	EER (2)	-	2.93	2.93	2.95	2.98	2.93	2.93
Heating	Capacity (1)	kW	1015	1015	1295	1295	2030	2030
	Total input power (1)	kW	358.4	358.4	454.3	454.3	717.5	717.5
	COP (1)	-	2.83	2.83	2.85	2.85	2.83	2.83
	$SCOP_{LT}$	-	3.41	3.41	3.45	3.45	3.41	3.41
	Capacity (2)	kW	145.3	145.4	185.4	185.5	290.4	290.6
	Total Input Power (2)	kW	51.5	51.6	65.3	65.4	102.9	103
	COP (2)	-	2.82	2.82	2.84	2.84	2.82	2.82
Outer dimension	Height	mm	2450					
	Width	mm	13685				27790	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	9660	9800	11620	12180	19600	20020
Operating weight		kg	9800	9940	11760	12320	19740	20160
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	7				14	
	Oil Heater	W	7 x 150				7 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	7 x 4		7 x 6		7 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	259	273	343	343	518	546
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	7 x 1				7 x 2	
Chilled Water Flow	Cooling	m^3/h	180.6	204.4	234.5	252.7	361.2	409.5
	Heating	m^3/h	174.3		222.6		349.3	
Water pressure drop	Cooling	kPa	11.4	14.3	15.1	17.3	11.4	14.3
	Heating		10.7		13.7		10.7	
Permissible water pressure max.		MPa	1					
Chilled Water Flow Range	Min.	m^3/h	112.7	128.1	147	158.2	226.1	256.2
	Max.	m^3/h	258.3	292.6	335.3	361.2	515.9	584.5
Minimum internal system water volume		m^3	5.04	5.04	6.58	6.23	10.08	10.08
Water pipe connection	Size and type	inches	7 x 2.1/2" Victaulic					
	Quantity	-	7 x (1 × Inlet, 1 × Outlet)				7 x (2 × Inlet, 2 × Outlet)	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Heated Water Outlet Temperature		ºC	+35 ~ +55					
Ambient Air Inlet Temperature	Cooling	ºC	-15 ~ +46					
	Heating	ºC	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound power level		dB(A)	105	106	107	108	108	109
Sound pressure level		dB(A)	92	93	94	95	95	96

◆ 8 Modules RHME-AH2

Model			8 x RHME-60AH2	8 x RHME-70AH2	8 x RHME-80AH2	8 x RHME-90AH2	8 x RCME-120AH2	8 x RCME-140AH2
Electrical power supply		-	3N~ 400V 50Hz					
Cooling	Capacity (1)	kW	1200	1360	1560	1680	2400	2720
	Total Input power (1)	kW	406.4	460.8	525.6	558.4	813.6	922.4
	EER (1)	-	2.95	2.95	2.97	3.01	2.95	2.95
	SEER	-	4.22	4.22	4.26	4.31	4.23	4.24
	Capacity (2)	kW	1197.6	1356.8	1556.8	1676	2396.8	2715.2
	Total Input Power (2)	kW	408.8	464	528.8	561.6	816.8	926.4
	EER (2)	-	2.93	2.93	2.95	2.98	2.93	2.93
Heating	Capacity (1)	kW	1160	1160	1480	1480	2320	2320
	Total input power (1)	kW	409.6	409.6	519.2	519.2	820	820
	COP (1)	-	2.83	2.83	2.85	2.85	2.83	2.83
	$SCOP_{LT}$	-	3.41	3.41	3.44	3.44	3.41	3.41
	Capacity (2)	kW	145.3	145.4	185.4	185.5	290.4	290.6
	Total Input Power (2)	kW	51.5	51.6	65.3	65.4	102.9	103
	COP (2)	-	2.82	2.82	2.84	2.84	2.82	2.82
Outer dimension	Height	mm	2450					
	Width	mm	15640				31760	
	Depth	mm	2290		3230		2300	
Cabinet colour		-	Natural Grey (Textured)					
Shipping weight		kg	11040	11200	13280	13920	22400	22880
Operating weight		kg	11200	11360	13440	14080	22560	23040
Compressor	Type	-	HITACHI Semi-Hermetic Twin Screw					
	Model	-	G50ASF-Z		G60ASF-Z		G50ASF-Z	
	Quantity	-	8				16	
	Oil Heater	W	8 x 150				8 x 150 x 2	
	Capacity control	-	Infinity Capacity Control					
	Working range	%	25~100					
Water Side Heat Exchanger		-	Brazed Plate Heat Exchanger					
Air Side Heat Exchanger		-	Multi-Pass Cross Finned Tube (Cu/Al)					
Fan Motor	Type	-	Direct-Driven propeller fan (EC motor)					
	Quantity	-	8 x 4		8 x 6		8 x 8	
Refrigerant	Type	-	R134a					
	Quantity	kg	296	312	392	392	592	624
Flow control		-	Twin Electronic Expansion Valve					
Number of circuits		-	8 x 1				8 x 2	
Chilled Water Flow	Cooling	m^3/h	206.4	233.6	268	288.8	412.8	468
	Heating	m^3/h	199.2		254.4		399.2	
Water pressure drop	Cooling	kPa	11.4	14.3	15.1	17.3	11.4	14.3
	Heating		10.7		13.7		10.7	
Permissible water pressure max.		MPa	1					
Chilled Water Flow Range	Min.	m^3/h	128.8	146.4	168	180.8	258.4	292.8
	Max.	m^3/h	295.2	334.4	383.2	412.8	589.6	668
Minimum internal system water volume		m^3	5.76	5.76	7.52	7.12	11.52	11.52
Water pipe connection	Size and type	inches	8 x 2.1/2" Victaulic					
	Quantity	-	8 x (1 × Inlet, 1 × Outlet)				8 x (2 × Inlet, 2 × Outlet)	
Control system		-	HITACHI Micro-Processor Control					
Chilled water outlet temperature	Standard	ºC	+5 ~ +15					
	Low (option) (3)	ºC	-10 ~ +5					
	High (option)	ºC	+15 ~ +30					
Heated Water Outlet Temperature		ºC	+35 ~ +55					
Ambient Air Inlet Temperature	Cooling	ºC	-15 ~ +46					
	Heating	ºC	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)					
Sound power level		dB(A)	105	106	107	108	108	109
Sound pressure level		dB(A)	92	93	94	95	95	96

3.6.3 Sound Data

Combination	Sound Power level (dB)								Overall (dBA)
	Frequency Band (Hz)								
	63	125	250	500	1000	2000	4000	8000	
2 x R(C/H)ME-60AH2	109	100	96	95	96	86	73	65	99
2 x R(C/H)ME-70AH2	110	101	97	96	97	87	74	66	100
2 x R(C/H)ME-80AH2	111	102	98	97	98	88	75	67	101
2 x R(C/H)ME-90AH2	112	103	99	98	99	89	76	68	102
2 x R(C/H)ME-120AH2	112	103	99	98	99	89	76	68	102
2 x R(C/H)ME-140AH2	113	104	100	99	100	90	77	69	103
3 x R(C/H)ME-60AH2	111	102	98	97	98	88	75	67	101
3 x R(C/H)ME-70AH2	112	103	99	98	99	89	76	68	102
3 x R(C/H)ME-80AH2	113	104	100	99	100	90	77	69	103
3 x R(C/H)ME-90AH2	114	105	101	100	101	91	78	70	104
3 x R(C/H)ME-120AH2	114	105	101	100	101	91	78	70	104
3 x R(C/H)ME-140AH2	115	106	102	101	102	92	79	71	105
4 x R(C/H)ME-60AH2	112	103	99	98	99	89	76	68	102
4 x R(C/H)ME-70AH2	113	104	100	99	100	90	77	69	103
4 x R(C/H)ME-80AH2	114	105	101	100	101	91	78	70	104
4 x R(C/H)ME-90AH2	115	106	102	101	102	92	79	71	105
4 x R(C/H)ME-120AH2	115	106	102	101	102	92	79	71	105
4 x R(C/H)ME-140AH2	116	107	103	102	103	93	80	72	106
5 x R(C/H)ME-60AH2	113	104	100	99	100	90	77	69	103
5 x R(C/H)ME-70AH2	114	105	101	100	101	91	78	70	104
5 x R(C/H)ME-80AH2	115	106	102	101	102	92	79	71	105
5 x R(C/H)ME-90AH2	116	107	103	102	103	93	80	72	106
5 x R(C/H)ME-120AH2	116	107	103	102	103	93	80	72	106
5 x R(C/H)ME-140AH2	117	108	104	103	104	94	81	73	107
6 x R(C/H)ME-60AH2	114	105	101	100	101	91	78	70	104
6 x R(C/H)ME-70AH2	115	106	102	101	102	92	79	71	105
6 x R(C/H)ME-80AH2	116	107	103	102	103	93	80	72	106
6 x R(C/H)ME-90AH2	117	108	104	103	104	94	81	73	107
6 x R(C/H)ME-120AH2	117	108	104	103	104	94	81	73	107
6 x R(C/H)ME-140AH2	118	109	105	104	105	95	82	74	108
7 x R(C/H)ME-60AH2	114	105	101	100	101	91	78	70	104
7 x R(C/H)ME-70AH2	115	106	102	101	102	92	79	71	105
7 x R(C/H)ME-80AH2	116	107	103	102	103	93	80	72	106
7 x R(C/H)ME-90AH2	117	108	104	103	104	94	81	73	107
7 x R(C/H)ME-120AH2	117	108	104	103	104	94	81	73	107
7 x R(C/H)ME-140AH2	118	109	105	104	105	95	82	74	108
8 x R(C/H)ME-60AH2	115	106	102	101	102	92	79	71	105
8 x R(C/H)ME-70AH2	116	107	103	102	103	93	80	72	106
8 x R(C/H)ME-80AH2	117	108	104	103	104	94	81	73	107
8 x R(C/H)ME-90AH2	118	109	105	104	105	95	82	74	108
8 x R(C/H)ME-120AH2	118	109	105	104	105	95	82	74	108
8 x R(C/H)ME-140AH2	119	110	106	105	106	96	83	75	109

Combination	Sound Pressure level at 1m (dB)								Overall (dBA)
	Frequency Band (Hz)								
	63	125	250	500	1000	2000	4000	8000	
2 x R(C/H)ME-60AH2	90	86	83	82	84	72	58	50	86
2 x R(C/H)ME-70AH2	91	87	84	83	85	73	59	51	87
2 x R(C/H)ME-80AH2	92	88	85	84	86	74	60	52	88
2 x R(C/H)ME-90AH2	93	89	86	85	87	75	61	53	89
2 x R(C/H)ME-120AH2	93	89	86	85	87	75	61	53	89
2 x R(C/H)ME-140AH2	94	90	87	86	88	76	62	54	90
3 x R(C/H)ME-60AH2	92	88	85	84	86	74	60	52	88
3 x R(C/H)ME-70AH2	93	89	86	85	87	75	61	53	89
3 x R(C/H)ME-80AH2	94	90	87	86	88	76	62	54	90
3 x R(C/H)ME-90AH2	95	91	88	87	89	77	63	55	91
3 x R(C/H)ME-120AH2	95	91	88	87	89	77	63	55	91
3 x R(C/H)ME-140AH2	96	92	89	88	90	78	64	56	92
4 x R(C/H)ME-60AH2	93	89	86	85	87	75	61	53	89
4 x R(C/H)ME-70AH2	94	90	87	86	88	76	62	54	90
4 x R(C/H)ME-80AH2	95	91	88	87	89	77	63	55	91
4 x R(C/H)ME-90AH2	96	92	89	88	90	78	64	56	92
4 x R(C/H)ME-120AH2	96	92	89	88	90	78	64	56	92
4 x R(C/H)ME-140AH2	97	93	90	89	91	79	65	57	93
5 x R(C/H)ME-60AH2	94	90	87	86	88	76	62	54	90
5 x R(C/H)ME-70AH2	95	91	88	87	89	77	63	55	91
5 x R(C/H)ME-80AH2	96	92	89	88	90	78	64	56	92
5 x R(C/H)ME-90AH2	97	93	90	89	91	79	65	57	93
5 x R(C/H)ME-120AH2	97	93	90	89	91	79	65	57	93
5 x R(C/H)ME-140AH2	98	94	91	90	92	80	66	58	94
6 x R(C/H)ME-60AH2	95	91	88	87	89	77	63	55	91
6 x R(C/H)ME-70AH2	96	92	89	88	90	78	64	56	92
6 x R(C/H)ME-80AH2	97	93	90	89	91	79	65	57	93
6 x R(C/H)ME-90AH2	98	94	91	90	92	80	66	58	94
6 x R(C/H)ME-120AH2	98	94	91	90	92	80	66	58	94
6 x R(C/H)ME-140AH2	99	95	92	91	93	81	67	59	95
7 x R(C/H)ME-60AH2	95	91	88	87	89	77	63	55	91
7 x R(C/H)ME-70AH2	96	92	89	88	90	78	64	56	92
7 x R(C/H)ME-80AH2	97	93	90	89	91	79	65	57	93
7 x R(C/H)ME-90AH2	98	94	91	90	92	80	66	58	94
7 x R(C/H)ME-120AH2	98	94	91	90	92	80	66	58	94
7 x R(C/H)ME-140AH2	99	95	92	91	93	81	67	59	95
8 x R(C/H)ME-60AH2	96	92	89	88	90	78	64	56	92
8 x R(C/H)ME-70AH2	97	93	90	89	91	79	65	57	93
8 x R(C/H)ME-80AH2	98	94	91	90	92	80	66	58	94
8 x R(C/H)ME-90AH2	99	95	92	91	93	81	67	59	95
8 x R(C/H)ME-120AH2	99	95	92	91	93	81	67	59	95
8 x R(C/H)ME-140AH2	100	96	93	92	94	82	68	60	96

Combination	Sound Pressure level at 10m (dB)								Overall (dBA)
	Frequency Band (Hz)								
	63	125	250	500	1000	2000	4000	8000	
2 x R(C/H)ME-60AH2	81	72	68	67	68	58	45	37	71
2 x R(C/H)ME-70AH2	82	73	69	68	69	59	46	38	72
2 x R(C/H)ME-80AH2	83	74	70	69	70	60	47	39	73
2 x R(C/H)ME-90AH2	84	75	71	70	71	61	48	40	74
2 x R(C/H)ME-120AH2	84	75	71	70	71	61	48	40	74
2 x R(C/H)ME-140AH2	85	76	72	71	72	62	49	41	75
3 x R(C/H)ME-60AH2	83	74	70	69	70	60	47	39	73
3 x R(C/H)ME-70AH2	84	75	71	70	71	61	48	40	74
3 x R(C/H)ME-80AH2	85	76	72	71	72	62	49	41	75
3 x R(C/H)ME-90AH2	86	77	73	72	73	63	50	42	76
3 x R(C/H)ME-120AH2	86	77	73	72	73	63	50	42	76
3 x R(C/H)ME-140AH2	87	78	74	73	74	64	51	43	77
4 x R(C/H)ME-60AH2	84	75	71	70	71	61	48	40	74
4 x R(C/H)ME-70AH2	85	76	72	71	72	62	49	41	75
4 x R(C/H)ME-80AH2	86	77	73	72	73	63	50	42	76
4 x R(C/H)ME-90AH2	87	78	74	73	74	64	51	43	77
4 x R(C/H)ME-120AH2	87	78	74	73	74	64	51	43	77
4 x R(C/H)ME-140AH2	88	79	75	74	75	65	52	44	78
5 x R(C/H)ME-60AH2	85	76	72	71	72	62	49	41	75
5 x R(C/H)ME-70AH2	86	77	73	72	73	63	50	42	76
5 x R(C/H)ME-80AH2	87	78	74	73	74	64	51	43	77
5 x R(C/H)ME-90AH2	88	79	75	74	75	65	52	44	78
5 x R(C/H)ME-120AH2	88	79	75	74	75	65	52	44	78
5 x R(C/H)ME-140AH2	89	80	76	75	76	66	53	45	79
6 x R(C/H)ME-60AH2	86	77	73	72	73	63	50	42	76
6 x R(C/H)ME-70AH2	87	78	74	73	74	64	51	43	77
6 x R(C/H)ME-80AH2	88	79	75	74	75	65	52	44	78
6 x R(C/H)ME-90AH2	89	80	76	75	76	66	53	45	79
6 x R(C/H)ME-120AH2	89	80	76	75	76	66	53	45	79
6 x R(C/H)ME-140AH2	90	81	77	76	77	67	54	46	80
7 x R(C/H)ME-60AH2	86	77	73	72	73	63	50	42	76
7 x R(C/H)ME-70AH2	87	78	74	73	74	64	51	43	77
7 x R(C/H)ME-80AH2	88	79	75	74	75	65	52	44	78
7 x R(C/H)ME-90AH2	89	80	76	75	76	66	53	45	79
7 x R(C/H)ME-120AH2	89	80	76	75	76	66	53	45	79
7 x R(C/H)ME-140AH2	90	81	77	76	77	67	54	46	80
8 x R(C/H)ME-60AH2	87	78	74	73	74	64	51	43	77
8 x R(C/H)ME-70AH2	88	79	75	74	75	65	52	44	78
8 x R(C/H)ME-80AH2	89	80	76	75	76	66	53	45	79
8 x R(C/H)ME-90AH2	90	81	77	76	77	67	54	46	80
8 x R(C/H)ME-120AH2	90	81	77	76	77	67	54	46	80
8 x R(C/H)ME-140AH2	91	82	78	77	78	68	55	47	81

Combination	Sound Pressure level at 30m (dB)								Overall (dBA)
	Frequency Band (Hz)								
	63	125	250	500	1000	2000	4000	8000	
2 x R(C/H)ME-60AH2	71	62	58	57	58	48	35	27	61
2 x R(C/H)ME-70AH2	72	63	59	58	59	49	36	28	62
2 x R(C/H)ME-80AH2	73	64	60	59	60	50	37	29	63
2 x R(C/H)ME-90AH2	74	65	61	60	61	51	38	30	64
2 x R(C/H)ME-120AH2	74	65	61	60	61	51	38	30	64
2 x R(C/H)ME-140AH2	75	66	62	61	62	52	39	31	65
3 x R(C/H)ME-60AH2	73	64	60	59	60	50	37	29	63
3 x R(C/H)ME-70AH2	74	65	61	60	61	51	38	30	64
3 x R(C/H)ME-80AH2	75	66	62	61	62	52	39	31	65
3 x R(C/H)ME-90AH2	76	67	63	62	63	53	40	32	66
3 x R(C/H)ME-120AH2	76	67	63	62	63	53	40	32	66
3 x R(C/H)ME-140AH2	77	68	64	63	64	54	41	33	67
4 x R(C/H)ME-60AH2	74	65	61	60	61	51	38	30	64
4 x R(C/H)ME-70AH2	75	66	62	61	62	52	39	31	65
4 x R(C/H)ME-80AH2	76	67	63	62	63	53	40	32	66
4 x R(C/H)ME-90AH2	77	68	64	63	64	54	41	33	67
4 x R(C/H)ME-120AH2	77	68	64	63	64	54	41	33	67
4 x R(C/H)ME-140AH2	78	69	65	64	65	55	42	34	68
5 x R(C/H)ME-60AH2	75	66	62	61	62	52	39	31	65
5 x R(C/H)ME-70AH2	76	67	63	62	63	53	40	32	66
5 x R(C/H)ME-80AH2	77	68	64	63	64	54	41	33	67
5 x R(C/H)ME-90AH2	78	69	65	64	65	55	42	34	68
5 x R(C/H)ME-120AH2	78	69	65	64	65	55	42	34	68
5 x R(C/H)ME-140AH2	79	70	66	65	66	56	43	35	69
6 x R(C/H)ME-60AH2	76	67	63	62	63	53	40	32	66
6 x R(C/H)ME-70AH2	77	68	64	63	64	54	41	33	67
6 x R(C/H)ME-80AH2	78	69	65	64	65	55	42	34	68
6 x R(C/H)ME-90AH2	79	70	66	65	66	56	43	35	69
6 x R(C/H)ME-120AH2	79	70	66	65	66	56	43	35	69
6 x R(C/H)ME-140AH2	80	71	67	66	67	57	44	36	70
7 x R(C/H)ME-60AH2	77	68	64	63	64	54	41	33	67
7 x R(C/H)ME-70AH2	78	69	65	64	65	55	42	34	68
7 x R(C/H)ME-80AH2	79	70	66	65	66	56	43	35	69
7 x R(C/H)ME-90AH2	80	71	67	66	67	57	44	36	70
7 x R(C/H)ME-120AH2	80	71	67	66	67	57	44	36	70
7 x R(C/H)ME-140AH2	81	72	68	67	68	58	45	37	71
8 x R(C/H)ME-60AH2	77	68	64	63	64	54	41	33	67
8 x R(C/H)ME-70AH2	78	69	65	64	65	55	42	34	68
8 x R(C/H)ME-80AH2	79	70	66	65	66	56	43	35	69
8 x R(C/H)ME-90AH2	80	71	67	66	67	57	44	36	70
8 x R(C/H)ME-120AH2	80	71	67	66	67	57	44	36	70
8 x R(C/H)ME-140AH2	81	72	68	67	68	58	45	37	71

3.7 Electrical Data

3.7.1 RCME-AH2

◆ Factory built

Model	Unit main power			Applicable instantaneous voltage (V)		Rated conditions			Condenser fan motor		Maximum unit (for power supply installation sizing)		
						Compressor motor							
							Cooling mode						
						STC*1 (A)	RNC (A)	IPT (kW)	RNC (A)	IPT (kW)	Current	STC*2	IPT
	Ph	(V)	(Hz)	Max	Min						(A)	(A)	(kW)
RCME-60AH2	3N~	400	50	440	360	240	76.5	47.2	11.8	3.8	118	240	68.6
RCME-70AH2	3N~	400	50	440	360	240	86.8	53.5	11.8	3.8	132	240	77.1
RCME-80AH2	3N~	400	50	440	360	240	94.9	59.2	11.8	5.7	140	240	82.1
RCME-90AH2	3N~	400	50	440	360	240	104	64.6	11.8	5.7	143	240	84.0
RCME-120AH2	3N~	400	50	440	360	240	153	94.4	23.6	7.6	237	259	137
RCME-140AH2	3N~	400	50	440	360	240	174	107	23.6	7.6	264	262	154

STC: Starting Current (A) RNC: Running Current (A) IPT: Input (kW) Ph: Number of phases

NOTE

- *This data is based on the following conditions: Chilled Water Inlet/Outlet Temperature: 12/7ºC. Ambient Temperature: 35ºC.*
- *The "Maximum Unit Current" shown in the above table is the maximum total unit running current at the following conditions: Supply Voltage: 90% of the rated voltage. Unit Capacity: 100% at max. operating conditions.*
- *The power supply cables must be sized to cover this maximum current value.*
- *Starting Current (*1, *2) means as follows: *1: Starting Current of the first Compressor. *2: Maximum Starting Current of the unit when the last Compressor starts (Maximum current for the running compressors + STC for the last compressor to start operation).*
- *Compressor motor is star-delta starting.*
- *The electrical data of the unit are changed when the Pump Kit option is assembled, due to the Pump/s consumption see chapter "8.22 Pump kit Option"*

◆ On-site module combination

Model	Unit main power			Applicable instantaneous voltage (V)		Rated conditions			Condenser fan motor		Maximum unit (for power supply installation sizing)		
						Compressor motor							
							Cooling mode						
						STC*1 (A)	RNC (A)	IPT (kW)	RNC (A)	IPT (kW)	Current (A)	STC*2 (A)	IPT (kW)
	Ph	(V)	(Hz)	Max	Min								
2 x RCME-60AH2	3N~	400	50	440	360	240	153	94.4	23.6	7.6	236	480	137.2
2 x RCME-70AH2	3N~	400	50	440	360	240	173.6	107	23.6	7.6	264	480	154.2
2 x RCME-80AH2	3N~	400	50	440	360	240	189.8	118.4	23.6	11.4	280	480	164.2
2 x RCME-90AH2	3N~	400	50	440	360	240	208	129.2	23.6	11.4	286	480	168
2 x RCME-120AH2	3N~	400	50	440	360	240	306	188.8	47.2	15.2	474	518	274
2 x RCME-140AH2	3N~	400	50	440	360	240	348	214	47.2	15.2	528	524	308
3 x RCME-60AH2	3N~	400	50	440	360	240	229.5	141.6	35.4	11.4	354	720	205.8
3 x RCME-70AH2	3N~	400	50	440	360	240	260.4	160.5	35.4	11.4	396	720	231.3
3 x RCME-80AH2	3N~	400	50	440	360	240	284.7	177.6	35.4	17.1	420	720	246.3
3 x RCME-90AH2	3N~	400	50	440	360	240	312	193.8	35.4	17.1	429	720	252
3 x RCME-120AH2	3N~	400	50	440	360	240	459	283.2	70.8	22.8	711	777	411
3 x RCME-140AH2	3N~	400	50	440	360	240	522	321	70.8	22.8	792	786	462
4 x RCME-60AH2	3N~	400	50	440	360	240	306	188.8	47.2	15.2	472	960	274.4
4 x RCME-70AH2	3N~	400	50	440	360	240	347.2	214	47.2	15.2	528	960	308.4
4 x RCME-80AH2	3N~	400	50	440	360	240	379.6	236.8	47.2	22.8	560	960	328.4
4 x RCME-90AH2	3N~	400	50	440	360	240	416	258.4	47.2	22.8	572	960	336
4 x RCME-120AH2	3N~	400	50	440	360	240	612	377.6	94.4	30.4	948	1036	548
4 x RCME-140AH2	3N~	400	50	440	360	240	696	428	94.4	30.4	1056	1048	616
5 x RCME-60AH2	3N~	400	50	440	360	240	382.5	236	59	19	590	1200	343
5 x RCME-70AH2	3N~	400	50	440	360	240	434	267.5	59	19	660	1200	385.5
5 x RCME-80AH2	3N~	400	50	440	360	240	474.5	296	59	28.5	700	1200	410.5
5 x RCME-90AH2	3N~	400	50	440	360	240	520	323	59	28.5	715	1200	420
5 x RCME-120AH2	3N~	400	50	440	360	240	765	472	118	38	1185	1295	685
5 x RCME-140AH2	3N~	400	50	440	360	240	870	535	118	38	1320	1310	770
6 x RCME-60AH2	3N~	400	50	440	360	240	459	283.2	70.8	22.8	708	1440	411.6
6 x RCME-70AH2	3N~	400	50	440	360	240	520.8	321	70.8	22.8	792	1440	462.6
6 x RCME-80AH2	3N~	400	50	440	360	240	569.4	355.2	70.8	34.2	840	1440	492.6
6 x RCME-90AH2	3N~	400	50	440	360	240	624	387.6	70.8	34.2	858	1440	504
6 x RCME-120AH2	3N~	400	50	440	360	240	918	566.4	141.6	45.6	1422	1554	822
6 x RCME-140AH2	3N~	400	50	440	360	240	1044	642	141.6	45.6	1584	1572	924
7 x RCME-60AH2	3N~	400	50	440	360	240	535.5	330.4	82.6	26.6	826	1680	480.2
7 x RCME-70AH2	3N~	400	50	440	360	240	607.6	374.5	82.6	26.6	924	1680	539.7
7 x RCME-80AH2	3N~	400	50	440	360	240	664.3	414.4	82.6	39.9	980	1680	574.7
7 x RCME-90AH2	3N~	400	50	440	360	240	728	452.2	82.6	39.9	1001	1680	588
7 x RCME-120AH2	3N~	400	50	440	360	240	1071	660.8	165.2	53.2	1659	1813	959
7 x RCME-140AH2	3N~	400	50	440	360	240	1218	749	165.2	53.2	1848	1834	1078
8 x RCME-60AH2	3N~	400	50	440	360	240	612	377.6	94.4	30.4	944	1920	548.8
8 x RCME-70AH2	3N~	400	50	440	360	240	694.4	428	94.4	30.4	1056	1920	616.8
8 x RCME-80AH2	3N~	400	50	440	360	240	759.2	473.6	94.4	45.6	1120	1920	656.8
8 x RCME-90AH2	3N~	400	50	440	360	240	832	516.8	94.4	45.6	1144	1920	672
8 x RCME-120AH2	3N~	400	50	440	360	240	1224	755.2	188.8	60.8	1896	2072	1096
8 x RCME-140AH2	3N~	400	50	440	360	240	1392	856	188.8	60.8	2112	2096	1232

STC: Starting Current (A) RNC: Running Current (A) IPT: Input (kW) Ph: Number of phases

NOTE

- *This data is based on the following conditions: Chilled Water Inlet/Outlet Temperature: 12/7ºC. Ambient Temperature: 35ºC.*
- *The "Maximum Unit Current" shown in the above table is the maximum total unit running current at the following conditions: Supply Voltage: 90% of the rated voltage. Unit Capacity: 100% at max. operating conditions.*
- *The power supply cables must be sized to cover this maximum current value.*
- *Starting Current (*1, *2) means as follows:*1: Starting Current of the first Compressor *2: Maximum Starting Current of the unit when the last Compressor starts (Maximum current for the running compressors + STC for the last compressor to start operation).*
- *Compressor motor is star-delta starting.*

◆ Recommended values for the circuit breaker, earth leakage breaker, cables and bus bar

Model	CB (EF)	ELB - Is	Cable	Cable	Bus Bar
	4 poles	4 poles	Recommended	Maximum	
	(A)	(mA)	(mm^2)	(mm^2)	(mm*mm)
RCME-60AH2	125	100	50	120	20x15
RCME-70AH2	125	100	50	120	20x15
RCME-80AH2	125	100	50	120	20x15
RCME-90AH2	125	100	50	120	20x15
RCME-120AH2	125	100	95	240	2*25x5
RCME-140AH2	125	100	95	240	2*25x5
2 x RCME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
2 x RCME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
2 x RCME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
2 x RCME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
2 x RCME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
2 x RCME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
3 x RCME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
3 x RCME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
3 x RCME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
3 x RCME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
3 x RCME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
3 x RCME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
4 x RCME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
4 x RCME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
4 x RCME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
4 x RCME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
4 x RCME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
4 x RCME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
5 x RCME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
5 x RCME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
5 x RCME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
5 x RCME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
5 x RCME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
5 x RCME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
6 x RCME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
6 x RCME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
6 x RCME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
6 x RCME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
6 x RCME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
6 x RCME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
7 x RCME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
7 x RCME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
7 x RCME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
7 x RCME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
7 x RCME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
7 x RCME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
8 x RCME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
8 x RCME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
8 x RCME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
8 x RCME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
8 x RCME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
8 x RCME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)

NOTE

- *(*): Provide additional insulation (≥500V) in all the bus bars to avoid electric archs between circuits.*
- *The indicated values are the recommended values considering installation type described previously. In any case, follow local or national regulations.*
- *Recommended cables and bus bars are selected considering CB tripping value. Proposed CB tripping values are fixed standard rated values available on the market. If using variable CB which allows an accurate tripping value setting (based on maximum unit current and maximum staring current in electrical data) then, lower cable or bus bars sizes could be selected.*
- *Depending on the installations type, cable trays, maximum allowed temperature and other factors, different cables or bus bar types and sizes could apply.*

3.7.2 RHME-AH2

◆ Factory built

Model	Unit main power			Applicable instantaneous voltage (V)		Rated conditions					Condenser fan motor	
						Compressor motor						
							Cooling mode		Heating mode			
	Ph	(V)	(Hz)	Max	Min	STC*1 (A)	RNC (A)	IPT (kW)	RNC (A)	IPT (kW)	RNC (A)	IPT (kW)
RHME-60AH2	3N~	400	50	440	360	240	76.2	47.0	76.9	47.4	11.8	3.8
RHME-70AH2	3N~	400	50	440	360	240	87.3	53.8	76.9	47.4	11.8	3.8
RHME-80AH2	3N~	400	50	440	360	240	96.2	60.0	94.9	59.2	11.8	5.7
RHME-90AH2	3N~	400	50	440	360	240	103	64.1	94.9	59.2	11.8	5.7
RHME-120AH2	3N~	400	50	440	360	240	152	94.0	154	94.8	23.6	7.6
RHME-140AH2	3N~	400	50	440	360	240	175	108	154	94.8	23.6	7.6

Maximum unit (for power supply installation sizing)		
Current	STC*2	IPT
(A)	(A)	(kW)
119	240	68.8
133	240	77.5
140	240	82.1
143	240	84.0
238	259	138
266	262	155

STC: Starting Current (A) RNC: Running Current (A) IPT: Input (kW) Ph: Number of phases

NOTE

- *This data is based on the following conditions:*
  Chilled Water Inlet/Outlet Temperature: 12/7°C. Ambient Temperature: 35°C.
  Heating Opereation: Water Inlet/Outlet Temperature: 40/45 °C, Ambient Temperature: 6°C WB
- *The "Maximum Unit Current" shown in the above table is the maximum total unit running current at the following conditions: Supply Voltage: 90% of the rated voltage. Unit Capacity: 100% at max. operating conditions.*
- *The power supply cables must be sized to cover this maximum current value.*
- *Starting Current (*1, *2) means as follows:*
  **1: Starting Current of the first Compressor.*
  **2: Maximum Starting Current of the unit when the last Compressor starts (Maximum current for the running compressors + STC for the last compressor to start operation).*
- *Compressor motor is star-delta starting.*
- *The electrical data of the unit are changed when the Pump Kit option is assembled, due to the Pump/s consumption see chapter "8.22 Pump kit Option"*

◆ On-site module combination

Model	Unit main power			Applicable instantaneous voltage (V)		Rated conditions					Condenser fan motor		Maximum unit (for power supply installation sizing)		
						Compressor motor									
							Cooling mode		Heating mode						
						STC*1 (A)	RNC (A)	IPT (kW)	RNC (A)	IPT (kW)	RNC (A)	IPT (kW)	Current (A)	STC*2 (A)	IPT (kW)
	Ph	(V)	(Hz)	Max	Min										
2 x RHME-60AH2	3N~	400	50	440	360	240	152.4	94	153.8	94.8	23.6	7.6	238	359	138
2 x RHME-70AH2	3N~	400	50	440	360	240	174.6	107.6	153.8	94.8	23.6	7.6	266	373	155
2 x RHME-80AH2	3N~	400	50	440	360	240	192.4	120	189.8	118.4	23.6	11.4	280	380	164
2 x RHME-90AH2	3N~	400	50	440	360	240	206	128.2	189.8	118.4	23.6	11.4	286	383	168
2 x RHME-120AH2	3N~	400	50	440	360	240	304	188	308	189.6	47.2	15.2	476	478	276
2 x RHME-140AH2	3N~	400	50	440	360	240	350	216	308	189.6	47.2	15.2	532	506	310
3 x RHME-60AH2	3N~	400	50	440	360	240	228.6	141	230.7	142.2	35.4	11.4	357	478	206
3 x RHME-70AH2	3N~	400	50	440	360	240	261.9	161.4	230.7	142.2	35.4	11.4	399	506	233
3 x RHME-80AH2	3N~	400	50	440	360	240	288.6	180	284.7	177.6	35.4	17.1	420	520	246
3 x RHME-90AH2	3N~	400	50	440	360	240	309	192.3	284.7	177.6	35.4	17.1	429	526	252
3 x RHME-120AH2	3N~	400	50	440	360	240	456	282	462	284.4	70.8	22.8	714	716	414
3 x RHME-140AH2	3N~	400	50	440	360	240	525	324	462	284.4	70.8	22.8	798	772	465
4 x RHME-60AH2	3N~	400	50	440	360	240	304.8	188	307.6	189.6	47.2	15.2	476	597	275
4 x RHME-70AH2	3N~	400	50	440	360	240	349.2	215.2	307.6	189.6	47.2	15.2	532	639	310
4 x RHME-80AH2	3N~	400	50	440	360	240	384.8	240	379.6	236.8	47.2	22.8	560	660	328
4 x RHME-90AH2	3N~	400	50	440	360	240	412	256.4	379.6	236.8	47.2	22.8	572	669	336
4 x RHME-120AH2	3N~	400	50	440	360	240	608	376	616	379.2	94.4	30.4	952	954	552
4 x RHME-140AH2	3N~	400	50	440	360	240	700	432	616	379.2	94.4	30.4	1064	1038	620
5 x RHME-60AH2	3N~	400	50	440	360	240	381	235	384.5	237	59.0	19.0	595	716	344
5 x RHME-70AH2	3N~	400	50	440	360	240	436.5	269	384.5	237	59.0	19.0	665	772	388
5 x RHME-80AH2	3N~	400	50	440	360	240	481	300	474.5	296	59.0	28.5	700	800	411
5 x RHME-90AH2	3N~	400	50	440	360	240	515	320.5	474.5	296	59.0	28.5	715	812	420
5 x RHME-120AH2	3N~	400	50	440	360	240	760	470	770	474	118	38.0	1190	1192	690
5 x RHME-140AH2	3N~	400	50	440	360	240	875	540	770	474	118	38.0	1330	1304	775
6 x RHME-60AH2	3N~	400	50	440	360	240	457.2	282	461.4	284.4	70.8	22.8	714	835	413
6 x RHME-70AH2	3N~	400	50	440	360	240	523.8	322.8	461.4	284.4	70.8	22.8	798	905	465
6 x RHME-80AH2	3N~	400	50	440	360	240	577.2	360	569.4	355.2	70.8	34.2	840	940	493
6 x RHME-90AH2	3N~	400	50	440	360	240	618	384.6	569.4	355.2	70.8	34.2	858	955	504
6 x RHME-120AH2	3N~	400	50	440	360	240	912	564	924	568.8	142	45.6	1428	1430	828
6 x RHME-140AH2	3N~	400	50	440	360	240	1050	648	924	568.8	142	45.6	1596	1570	930
7 x RHME-60AH2	3N~	400	50	440	360	240	533.4	329	538.3	331.8	82.6	26.6	833	954	482
7 x RHME-70AH2	3N~	400	50	440	360	240	611.1	376.6	538.3	331.8	82.6	26.6	931	1038	543
7 x RHME-80AH2	3N~	400	50	440	360	240	673.4	420	664.3	414.4	82.6	39.9	980	1080	575
7 x RHME-90AH2	3N~	400	50	440	360	240	721	448.7	664.3	414.4	82.6	39.9	1001	1098	588
7 x RHME-120AH2	3N~	400	50	440	360	240	1064	658	1078	663.6	165	53.2	1666	1668	966
7 x RHME-140AH2	3N~	400	50	440	360	240	1225	756	1078	663.6	165	53.2	1862	1836	1085
8 x RHME-60AH2	3N~	400	50	440	360	240	609.6	376	615.2	379.2	94.4	30.4	952	1073	550
8 x RHME-70AH2	3N~	400	50	440	360	240	698.4	430.4	615.2	379.2	94.4	30.4	1064	1171	620
8 x RHME-80AH2	3N~	400	50	440	360	240	769.6	480	759.2	473.6	94.4	45.6	1120	1220	657
8 x RHME-90AH2	3N~	400	50	440	360	240	824	512.8	759.2	473.6	94.4	45.6	1144	1241	672
8 x RHME-120AH2	3N~	400	50	440	360	240	1216	752	1232	758.4	189	60.8	1904	1906	1104
8 x RHME-140AH2	3N~	400	50	440	360	240	1400	864	1232	758.4	189	60.8	2128	2102	1240

STC: Starting Current (A) RNC: Running Current (A) IPT: Input (kW) Ph: Number of phases

NOTE

- *This data is based on the following conditions:*
  Chilled Water Inlet/Outlet Temperature: 12/7ºC. Ambient Temperature: 35ºC.
- *The "Maximum Unit Current" shown in the above table is the maximum total unit running current at the following conditions: Supply Voltage: 90% of the rated voltage. Unit Capacity: 100% at max. operating conditions.*
- *The power supply cables must be sized to cover this maximum current value.*
- *Starting Current (*1, *2) means as follows:*
  **1: Starting Current of the first Compressor*
  **2: Maximum Starting Current of the unit when the last Compressor starts (Maximum current for the running compressors + STC for the last compressor to start operation).*
- *Compressor motor is star-delta starting.*

◆ Recommended values for the circuit breaker, earth leakage breaker, cables and bus bar

Model	CB (EF)	ELB - Is	Cable	Cable	Bus Bar
	4 poles	4 poles	Recommended	Maximum	
	(A)	(mA)	(mm^2)	(mm^2)	(mm*mm)
RHME-60AH2	125	100	50	120	20x15
RHME-70AH2	125	100	50	120	20x15
RHME-80AH2	125	100	50	120	20x15
RHME-90AH2	125	100	50	120	20x15
RHME-120AH2	125	100	95	240	2*25x5
RHME-140AH2	125	100	95	240	2*25x5
2 x RHME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
2 x RHME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
2 x RHME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
2 x RHME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
2 x RHME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
2 x RHME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
3 x RHME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
3 x RHME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
3 x RHME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
3 x RHME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
3 x RHME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
3 x RHME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
4 x RHME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
4 x RHME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
4 x RHME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
4 x RHME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
4 x RHME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
4 x RHME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
5 x RHME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
5 x RHME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
5 x RHME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
5 x RHME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
5 x RHME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
5 x RHME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
6 x RHME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
6 x RHME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
6 x RHME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
6 x RHME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
6 x RHME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
6 x RHME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
7 x RHME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
7 x RHME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
7 x RHME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
7 x RHME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
7 x RHME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
7 x RHME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
8 x RHME-60AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
8 x RHME-70AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
8 x RHME-80AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
8 x RHME-90AH2	125 (each module)	100	50 (each module)	120 (each module)	20x15 (each module)
8 x RHME-120AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)
8 x RHME-140AH2	125 (each module)	100	95 (each module)	240 (each module)	2*25x5 (each module)

NOTE

- *(*): Provide additional insulation (≥500V) in all the bus bars to avoid electric archs between circuits.*
- *The indicated values are the recommended values considering installation type described previously. In any case, follow local or national regulations.*
- *Recommended cables and bus bars are selected considering CB tripping value. Proposed CB tripping values are fixed standard rated values available on the market. If using variable CB which allows an accurate tripping value setting (based on maximum unit current and maximum staring current in electrical data) then, lower cable or bus bars sizes could be selected.*
- *Depending on the installations type, cable trays, maximum allowed temperature and other factors, different cables or bus bar types and sizes could apply.*

4. Model selection

Index

4.1 Individual modules

4.1.1 Cooling Operation

4.1.1.1 Performance Table at full load - RCME-AH2

(Pump not included)

		RCME-60AH2				RCME-70AH2				RCME-80AH2				RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	171.0	29.4	18.7	37.5	192.4	33.1	17.9	42.2	219.1	37.7	22.7	47.8	240.5	41.4	26.9	51.8
	6	176.9	30.4	19.9	38.0	199.0	34.2	19.1	42.8	226.6	39.0	24.1	48.4	248.7	42.8	28.6	52.4
	7	182.8	31.4	21.1	38.5	205.6	35.4	20.2	43.3	234.2	40.3	25.6	49.0	257.0	44.2	30.4	53.1
	8	188.6	32.4	22.3	39.0	212.2	36.5	21.4	43.9	241.7	41.6	27.1	49.6	265.3	45.6	32.2	53.8
	9	194.5	33.5	23.6	39.5	218.8	37.6	22.6	44.4	249.2	42.9	28.7	50.3	273.5	47.0	34.0	54.5
	10	200.4	34.5	24.9	40.0	225.4	38.8	23.9	45.0	256.7	44.2	30.3	50.9	281.8	48.5	35.9	55.2
	11	206.2	35.5	26.3	40.5	232.0	39.9	25.2	45.5	264.3	45.5	31.9	51.5	290.0	49.9	37.8	55.8
	12	212.1	36.5	27.6	41.0	238.6	41.0	26.5	46.1	271.8	46.7	33.6	52.1	298.3	51.3	39.8	56.5
	13	218.0	37.5	29.0	41.4	245.2	42.2	27.9	46.6	279.3	48.0	35.3	52.8	306.5	52.7	41.9	57.2
	14	223.9	38.5	30.5	41.9	251.8	43.3	29.3	47.2	286.8	49.3	37.1	53.4	314.8	54.1	43.9	57.9
	15	229.7	39.5	31.9	42.4	258.4	44.5	30.7	47.7	294.3	50.6	38.9	54.0	323.1	55.6	46.0	58.5
25	5	165.4	28.4	17.6	41.9	186.1	32.0	16.9	47.1	211.9	36.4	21.4	53.3	232.6	40.0	25.3	57.8
	6	171.2	29.4	18.7	42.4	192.6	33.1	18.0	47.7	219.4	37.7	22.8	54.0	240.8	41.4	27.0	58.5
	7	177.0	30.5	19.9	42.9	199.2	34.3	19.1	48.3	226.8	39.0	24.2	54.6	249.0	42.8	28.7	59.2
	8	182.9	31.5	21.1	43.4	205.7	35.4	20.2	48.8	234.3	40.3	25.7	55.3	257.2	44.2	30.4	59.9
	9	188.7	32.5	22.3	43.9	212.3	36.5	21.4	49.4	241.8	41.6	27.2	55.9	265.4	45.6	32.2	60.6
	10	194.5	33.5	23.6	44.4	218.9	37.6	22.7	50.0	249.3	42.9	28.7	56.6	273.6	47.1	34.0	61.3
	11	200.4	34.5	24.9	44.9	225.4	38.8	23.9	50.6	256.7	44.2	30.3	57.2	281.8	48.5	35.9	62.0
	12	206.2	35.5	26.2	45.5	232.0	39.9	25.2	51.1	264.2	45.4	31.9	57.9	290.0	49.9	37.8	62.7
	13	212.0	36.5	27.6	46.0	238.5	41.0	26.5	51.7	271.7	46.7	33.6	58.5	298.2	51.3	39.8	63.4
	14	217.9	37.5	29.0	46.5	245.1	42.2	27.8	52.3	279.1	48.0	35.3	59.2	306.4	52.7	41.8	64.1
	15	223.7	38.5	30.4	47.0	251.7	43.3	29.2	52.9	286.6	49.3	37.0	59.8	314.6	54.1	43.9	64.8
30	5	159.2	27.4	16.4	46.0	179.1	30.8	15.7	51.7	204.0	35.1	19.9	58.6	223.9	38.5	23.6	63.5
	6	165.0	28.4	17.5	46.5	185.6	31.9	16.8	52.3	211.4	36.4	21.3	59.2	232.0	39.9	25.2	64.2
	7	170.8	29.4	18.6	47.1	192.1	33.0	17.9	52.9	218.8	37.6	22.7	59.9	240.2	41.3	26.8	64.9
	8	176.6	30.4	19.8	47.6	198.6	34.2	19.0	53.5	226.2	38.9	24.1	60.6	248.3	42.7	28.5	65.7
	9	182.4	31.4	21.0	48.1	205.1	35.3	20.1	54.1	233.6	40.2	25.5	61.2	256.4	44.1	30.2	66.4
	10	188.1	32.4	22.2	48.6	211.7	36.4	21.3	54.7	241.0	41.5	27.0	61.9	264.6	45.5	32.0	67.1
	11	193.9	33.4	23.5	49.2	218.2	37.5	22.5	55.3	248.5	42.7	28.5	62.6	272.7	46.9	33.8	67.8
	12	199.7	34.3	24.8	49.7	224.7	38.6	23.8	55.9	255.9	44.0	30.1	63.3	280.8	48.3	35.7	68.6
	13	205.5	35.3	26.1	50.2	231.2	39.8	25.0	56.5	263.3	45.3	31.7	63.9	289.0	49.7	37.6	69.3
	14	211.3	36.3	27.4	50.7	237.7	40.9	26.3	57.1	270.7	46.6	33.4	64.6	297.1	51.1	39.5	70.0
	15	217.0	37.3	28.8	51.3	244.2	42.0	27.7	57.7	278.1	47.8	35.0	65.3	305.2	52.5	41.5	70.8

		RCME-60AH2				RCME-70AH2				RCME-80AH2				RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	148.8	25.6	14.5	49.9	167.4	28.8	13.9	56.1	190.7	32.8	17.6	63.5	209.3	36.0	20.9	68.8
	6	154.4	26.6	15.5	50.4	173.7	29.9	14.9	56.7	197.8	34.0	18.9	64.2	217.2	37.4	22.3	69.6
	7	**160**	**27.5**	**16.6**	**51.0**	**180**	**31.0**	**15.9**	**57.3**	**205**	**35.3**	**20.1**	**64.9**	**225**	**38.7**	**23.8**	**70.3**
	8	165.6	28.5	17.6	51.5	186.3	32.0	16.9	57.9	212.2	36.5	21.4	65.6	232.8	40.0	25.4	71.1
	9	171.2	29.4	18.7	52.0	192.6	33.1	17.9	58.5	219.3	37.7	22.7	66.3	240.7	41.4	26.9	71.8
35	10	176.7	30.4	19.8	52.6	198.8	34.2	19.0	59.2	226.5	38.9	24.1	66.9	248.5	42.7	28.6	72.6
	11	182.3	31.4	21.0	53.1	205.1	35.3	20.1	59.8	233.6	40.2	25.5	67.6	256.4	44.1	30.2	73.3
	12	187.9	32.3	22.2	53.7	211.4	36.4	21.3	60.4	240.8	41.4	27.0	68.3	264.2	45.4	31.9	74.1
	13	193.5	33.3	23.4	54.2	217.7	37.4	22.4	61.0	247.9	42.6	28.4	69.0	272.1	46.8	33.7	74.8
	14	199.1	34.2	24.6	54.8	223.9	38.5	23.6	61.6	255.1	43.9	29.9	69.7	279.9	48.1	35.5	75.6
	15	204.6	35.2	25.9	55.3	230.2	39.6	24.8	62.2	262.2	45.1	31.5	70.4	287.8	49.5	37.3	76.3
	5	138.4	23.8	12.7	54.9	155.8	26.8	12.2	61.7	177.4	30.5	15.5	69.8	194.7	33.5	18.3	75.7
	6	143.8	24.7	13.7	55.4	161.8	27.8	13.1	62.4	184.3	31.7	16.6	70.6	202.3	34.8	19.6	76.5
	7	149.2	25.7	14.6	56.0	167.9	28.9	14.0	63.0	191.2	32.9	17.7	71.3	209.8	36.1	21.0	77.3
	8	154.6	26.6	15.6	56.6	173.9	29.9	14.9	63.6	198.1	34.1	18.9	72.0	217.4	37.4	22.4	78.1
	9	160.0	27.5	16.6	57.1	180.0	31.0	15.9	64.3	205.0	35.3	20.1	72.8	225.0	38.7	23.8	78.9
40	10	165.4	28.4	17.6	57.7	186.0	32.0	16.9	64.9	211.9	36.4	21.4	73.5	232.5	40.0	25.3	79.6
	11	170.7	29.4	18.6	58.3	192.1	33.0	17.9	65.6	218.7	37.6	22.6	74.2	240.1	41.3	26.8	80.4
	12	176.1	30.3	19.7	58.9	198.1	34.1	18.9	66.2	225.6	38.8	24.0	74.9	247.7	42.6	28.4	81.2
	13	181.5	31.2	20.8	59.4	204.2	35.1	20.0	66.9	232.5	40.0	25.3	75.7	255.2	43.9	30.0	82.0
	14	186.9	32.1	22.0	60.0	210.2	36.2	21.1	67.5	239.4	41.2	26.7	76.4	262.8	45.2	31.6	82.8
	15	192.3	33.1	23.1	60.6	216.3	37.2	22.2	68.2	246.3	42.4	28.1	77.1	270.4	46.5	33.3	83.6
	5	132.2	22.7	11.7	57.9	148.7	25.6	11.2	65.1	169.4	29.1	14.2	73.7	185.9	32.0	16.8	79.8
	6	137.5	23.6	12.6	58.4	154.7	26.6	12.0	65.7	176.1	30.3	15.3	74.4	193.3	33.3	18.1	80.6
	7	142.7	24.6	13.5	59.0	160.6	27.6	12.9	66.4	182.9	31.5	16.3	75.2	200.7	34.5	19.4	81.5
	8	148.0	25.5	14.4	59.6	166.5	28.6	13.8	67.1	189.6	32.6	17.4	75.9	208.1	35.8	20.7	82.3
	9	153.3	26.4	15.3	60.2	172.4	29.7	14.7	67.7	196.4	33.8	18.6	76.7	215.5	37.1	22.0	83.1
43	10	158.5	27.3	16.3	60.8	178.3	30.7	15.6	68.4	203.1	34.9	19.8	77.4	222.9	38.3	23.4	83.9
	11	163.8	28.2	17.3	61.4	184.2	31.7	16.6	69.1	209.8	36.1	21.0	78.2	230.3	39.6	24.9	84.7
	12	169.0	29.1	18.3	62.0	190.2	32.7	17.5	69.7	216.6	37.3	22.2	78.9	237.7	40.9	26.3	85.5
	13	174.3	30.0	19.3	62.6	196.1	33.7	18.5	70.4	223.3	38.4	23.5	79.7	245.1	42.2	27.8	86.3
	14	179.6	30.9	20.4	63.2	202.0	34.7	19.6	71.1	230.1	39.6	24.8	80.4	252.5	43.4	29.4	87.1
	15	184.8	31.8	21.5	63.7	207.9	35.8	20.6	71.7	236.8	40.7	26.2	81.2	259.9	44.7	31.0	88.0
	5	126.0	21.7	10.7	60.8	141.7	24.4	10.3	68.5	161.4	27.8	13.0	77.5	177.2	30.5	15.4	84.0
	6	131.1	22.6	11.5	61.5	147.5	25.4	11.0	69.1	168.0	28.9	14.0	78.2	184.4	31.7	16.6	84.8
	7	136.3	23.4	12.4	62.1	153.3	26.4	11.8	69.8	174.6	30.0	15.0	79.0	191.6	33.0	17.8	85.6
	8	141.4	24.3	13.2	62.7	159.1	27.4	12.7	70.5	181.2	31.2	16.1	79.8	198.8	34.2	19.0	86.5
	9	146.5	25.2	14.1	63.3	164.9	28.4	13.5	71.2	187.8	32.3	17.1	80.6	206.1	35.4	20.3	87.3
46	10	151.7	26.1	15.0	63.9	170.6	29.4	14.4	71.9	194.3	33.4	18.2	81.3	213.3	36.7	21.6	88.1
	11	156.8	27.0	16.0	64.5	176.4	30.3	15.3	72.5	200.9	34.6	19.4	82.1	220.5	37.9	23.0	89.0
	12	162.0	27.9	16.9	65.1	182.2	31.3	16.2	73.2	207.5	35.7	20.6	82.9	227.8	39.2	24.4	89.8
	13	167.1	28.7	17.9	65.7	188.0	32.3	17.2	73.9	214.1	36.8	21.8	83.6	235.0	40.4	25.8	90.7
	14	172.2	29.6	18.9	66.3	193.8	33.3	18.2	74.6	220.7	38.0	23.0	84.4	242.2	41.7	27.3	91.5
	15	177.4	30.5	20.0	66.9	199.6	34.3	19.2	75.3	227.3	39.1	24.3	85.2	249.4	42.9	28.8	92.3

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		RCME-120AH2				RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
25	5	342.0	58.8	18.7	75.0	384.8	66.2	17.9	84.4
	6	353.8	60.8	19.9	76.0	398.0	68.5	19.1	85.5
	7	365.5	62.9	21.1	77.0	411.2	70.7	20.2	86.6
	8	377.3	64.9	22.3	78.0	424.4	73.0	21.4	87.7
	9	389.0	66.9	23.6	79.0	437.6	75.3	22.6	88.8
	10	400.7	68.9	24.9	79.9	450.8	77.5	23.9	89.9
	11	412.5	70.9	26.3	80.9	464.0	79.8	25.2	91.0
	12	424.2	73.0	27.6	81.9	477.3	82.1	26.5	92.1
	13	436.0	75.0	29.0	82.9	490.5	84.4	27.9	93.3
	14	447.7	77.0	30.5	83.9	503.7	86.6	29.3	94.4
	15	459.5	79.0	31.9	84.9	516.9	88.9	30.7	95.5
25	5	330.8	56.9	17.6	83.8	372.1	64.0	16.9	94.2
	6	342.4	58.9	18.7	84.8	385.2	66.3	18.0	95.4
	7	354.1	60.9	19.9	85.8	398.3	68.5	19.1	96.5
	8	365.8	62.9	21.1	86.8	411.5	70.8	20.2	97.7
	9	377.4	64.9	22.3	87.8	424.6	73.0	21.4	98.8
	10	389.1	66.9	23.6	88.9	437.7	75.3	22.7	100.0
	11	400.7	68.9	24.9	89.9	450.8	77.5	23.9	101.1
	12	412.4	70.9	26.2	90.9	464.0	79.8	25.2	102.3
	13	424.1	72.9	27.6	91.9	477.1	82.1	26.5	103.4
	14	435.7	74.9	29.0	92.9	490.2	84.3	27.8	104.6
	15	447.4	77.0	30.4	94.0	503.3	86.6	29.2	105.7
30	5	318.5	54.8	16.4	92.0	358.3	61.6	15.7	103.5
	6	330.0	56.8	17.5	93.1	371.3	63.9	16.8	104.7
	7	341.6	58.8	18.6	94.1	384.3	66.1	17.9	105.9
	8	353.1	60.7	19.8	95.2	397.3	68.3	19.0	107.1
	9	364.7	62.7	21.0	96.2	410.3	70.6	20.1	108.2
	10	376.3	64.7	22.2	97.3	423.3	72.8	21.3	109.4
	11	387.8	66.7	23.5	98.3	436.3	75.0	22.5	110.6
	12	399.4	68.7	24.8	99.4	449.3	77.3	23.8	111.8
	13	411.0	70.7	26.1	100.4	462.3	79.5	25.0	113.0
	14	422.5	72.7	27.4	101.5	475.3	81.8	26.3	114.2
	15	434.1	74.7	28.8	102.5	488.3	84.0	27.7	115.4
35	5	297.7	51.2	14.5	99.7	334.9	57.6	13.9	112.2
	6	308.8	53.1	15.5	100.8	347.4	59.8	14.9	113.4
	7	**320**	**55.0**	**16.6**	**101.9**	**360**	**61.9**	**15.9**	**114.6**
	8	331.2	57.0	17.6	103.0	372.6	64.1	16.9	115.9
	9	342.3	58.9	18.7	104.1	385.1	66.2	17.9	117.1
	10	353.5	60.8	19.8	105.2	397.7	68.4	19.0	118.3
	11	364.6	62.7	21.0	106.3	410.2	70.6	20.1	119.5
	12	375.8	64.6	22.2	107.3	422.8	72.7	21.3	120.8
	13	387.0	66.6	23.4	108.4	435.3	74.9	22.4	122.0
	14	398.1	68.5	24.6	109.5	447.9	77.0	23.6	123.2
	15	409.3	70.4	25.9	110.6	460.5	79.2	24.8	124.4

		RCME-120AH2				RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	276.9	47.6	12.7	109.7	311.5	53.6	12.2	123.4
	6	287.7	49.5	13.7	110.9	323.6	55.7	13.1	124.7
	7	298.4	51.3	14.6	112.0	335.7	57.7	14.0	126.0
	8	309.2	53.2	15.6	113.2	347.8	59.8	14.9	127.3
	9	319.9	55.0	16.6	114.3	359.9	61.9	15.9	128.6
	10	330.7	56.9	17.6	115.4	372.0	64.0	16.9	129.9
	11	341.5	58.7	18.6	116.6	384.1	66.1	17.9	131.2
	12	352.2	60.6	19.7	117.7	396.3	68.2	18.9	132.4
	13	363.0	62.4	20.8	118.9	408.4	70.2	20.0	133.7
	14	373.7	64.3	22.0	120.0	420.5	72.3	21.1	135.0
	15	384.5	66.1	23.1	121.2	432.6	74.4	22.2	136.3
43	5	264.4	45.5	11.7	115.7	297.5	51.2	11.2	130.2
	6	274.9	47.3	12.6	116.9	309.3	53.2	12.0	131.5
	7	285.5	49.1	13.5	118.1	321.1	55.2	12.9	132.8
	8	296.0	50.9	14.4	119.2	333.0	57.3	13.8	134.2
	9	306.5	52.7	15.3	120.4	344.8	59.3	14.7	135.5
	10	317.0	54.5	16.3	121.6	356.7	61.3	15.6	136.8
	11	327.6	56.3	17.3	122.8	368.5	63.4	16.6	138.1
	12	338.1	58.1	18.3	124.0	380.3	65.4	17.5	139.5
	13	348.6	60.0	19.3	125.1	392.2	67.5	18.5	140.8
	14	359.1	61.8	20.4	126.3	404.0	69.5	19.6	142.1
	15	369.6	63.6	21.5	127.5	415.8	71.5	20.6	143.4
46	5	252.0	43.3	10.7	121.7	283.4	48.8	10.3	136.9
	6	262.2	45.1	11.5	122.9	295.0	50.7	11.0	138.3
	7	272.5	46.9	12.4	124.1	306.6	52.7	11.8	139.6
	8	282.8	48.6	13.2	125.3	318.1	54.7	12.7	141.0
	9	293.1	50.4	14.1	126.6	329.7	56.7	13.5	142.4
	10	303.4	52.2	15.0	127.8	341.3	58.7	14.4	143.7
	11	313.6	53.9	16.0	129.0	352.8	60.7	15.3	145.1
	12	323.9	55.7	16.9	130.2	364.4	62.7	16.2	146.5
	13	334.2	57.5	17.9	131.4	376.0	64.7	17.2	147.8
	14	344.5	59.3	18.9	132.6	387.5	66.7	18.2	149.2
	15	354.8	61.0	20.0	133.8	399.1	68.6	19.2	150.6

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

4.1.1.2 Performance Table at full load - RHME-AH2

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	160.3	27.6	12.9	37.4	181.7	31.3	16.1	42.4	208.4	35.8	17.0	48.3	224.5	38.6	19.5	51.4
	6	165.8	28.5	13.7	37.9	187.9	32.3	17.2	43.0	215.6	37.1	18.1	49.0	232.2	39.9	20.8	52.0
	7	171.3	29.5	14.5	38.4	194.2	33.4	18.2	43.5	222.7	38.3	19.3	49.6	239.9	41.3	22.1	52.7
	8	176.8	30.4	15.4	38.9	200.4	34.5	19.3	44.1	229.9	39.5	20.4	50.2	247.6	42.6	23.4	53.4
	9	182.3	31.4	16.3	39.4	206.7	35.5	20.4	44.6	237.0	40.8	21.6	50.9	255.3	43.9	24.7	54.1
	10	187.8	32.3	17.2	39.9	212.9	36.6	21.5	45.2	244.2	42.0	22.8	51.5	263.0	45.2	26.1	54.7
	11	193.4	33.3	18.1	40.4	219.1	37.7	22.7	45.8	251.4	43.2	24.0	52.1	270.7	46.6	27.5	55.4
	12	198.9	34.2	19.0	40.9	225.4	38.8	23.9	46.3	258.5	44.5	25.3	52.8	278.4	47.9	29.0	56.1
	13	204.4	35.2	20.0	41.4	231.6	39.8	25.1	46.9	265.7	45.7	26.6	53.4	286.1	49.2	30.5	56.7
	14	209.9	36.1	21.0	41.8	237.9	40.9	26.4	47.4	272.8	46.9	27.9	54.0	293.8	50.5	32.0	57.4
	15	215.4	37.0	22.0	42.3	244.1	42.0	27.6	48.0	280.0	48.2	29.3	54.7	301.5	51.9	33.5	58.1
25	5	155.0	26.7	12.1	41.8	175.7	30.2	15.2	47.4	201.6	34.7	16.0	54.0	217.1	37.3	18.4	57.3
	6	160.5	27.6	12.9	42.3	181.9	31.3	16.2	47.9	208.7	35.9	17.1	54.6	224.7	38.7	19.6	58.0
	7	166.0	28.5	13.7	42.8	188.1	32.4	17.2	48.5	215.8	37.1	18.2	55.3	232.4	40.0	20.8	58.7
	8	171.4	29.5	14.5	43.3	194.3	33.4	18.2	49.1	222.9	38.3	19.3	55.9	240.0	41.3	22.1	59.4
	9	176.9	30.4	15.4	43.8	200.5	34.5	19.3	49.7	230.0	39.6	20.4	56.6	247.7	42.6	23.4	60.1
	10	182.4	31.4	16.3	44.3	206.7	35.6	20.4	50.2	237.1	40.8	21.6	57.3	255.3	43.9	24.7	60.8
	11	187.8	32.3	17.2	44.8	212.9	36.6	21.5	50.8	244.2	42.0	22.8	57.9	263.0	45.2	26.1	61.5
	12	193.3	33.2	18.1	45.4	219.1	37.7	22.7	51.4	251.3	43.2	24.0	58.6	270.6	46.5	27.5	62.2
	13	198.8	34.2	19.0	45.9	225.3	38.7	23.9	52.0	258.4	44.4	25.3	59.2	278.3	47.9	28.9	62.9
	14	204.2	35.1	20.0	46.4	231.5	39.8	25.1	52.6	265.5	45.7	26.6	59.9	285.9	49.2	30.4	63.6
	15	209.7	36.1	21.0	46.9	237.7	40.9	26.3	53.1	272.6	46.9	27.9	60.5	293.6	50.5	31.9	64.3
30	5	149.3	25.7	11.3	45.9	169.2	29.1	14.2	52.0	194.1	33.4	15.0	59.3	209.0	35.9	17.1	63.0
	6	154.7	26.6	12.0	46.4	175.3	30.2	15.1	52.6	201.1	34.6	16.0	60.0	216.6	37.3	18.3	63.7
	7	160.1	27.5	12.8	47.0	181.5	31.2	16.1	53.2	208.2	35.8	17.0	60.6	224.2	38.6	19.5	64.4
	8	165.5	28.5	13.6	47.5	187.6	32.3	17.1	53.8	215.2	37.0	18.1	61.3	231.8	39.9	20.7	65.1
	9	171.0	29.4	14.4	48.0	193.8	33.3	18.1	54.4	222.2	38.2	19.2	62.0	239.3	41.2	22.0	65.9
	10	176.4	30.3	15.3	48.5	199.9	34.4	19.2	55.0	229.3	39.4	20.3	62.7	246.9	42.5	23.3	66.6
	11	181.8	31.3	16.2	49.1	206.0	35.4	20.3	55.6	236.3	40.6	21.5	63.3	254.5	43.8	24.6	67.3
	12	187.2	32.2	17.0	49.6	212.2	36.5	21.4	56.2	243.4	41.9	22.6	64.0	262.1	45.1	25.9	68.0
	13	192.6	33.1	18.0	50.1	218.3	37.6	22.6	56.8	250.4	43.1	23.9	64.7	269.7	46.4	27.3	68.8
	14	198.1	34.1	18.9	50.6	224.5	38.6	23.7	57.4	257.5	44.3	25.1	65.4	277.3	47.7	28.8	69.5
	15	203.5	35.0	19.8	51.2	230.6	39.7	24.9	58.0	264.5	45.5	26.4	66.1	284.9	49.0	30.2	70.2
35	5	139.5	24.0	10.0	49.8	158.1	27.2	12.5	56.4	181.4	31.2	13.2	64.3	195.4	33.6	15.1	68.3
	6	144.8	24.9	10.7	50.3	164.1	28.2	13.4	57.0	188.2	32.4	14.1	65.0	202.7	34.9	16.2	69.0
	7	**150**	**25.8**	**11.4**	**50.8**	**170**	**29.2**	**14.3**	**57.6**	**195**	**33.5**	**15.1**	**65.7**	**210**	**36.1**	**17.3**	**69.8**
	8	155.2	26.7	12.1	51.4	175.9	30.3	15.2	58.2	201.8	34.7	16.1	66.4	217.3	37.4	18.4	70.5
	9	160.5	27.6	12.9	51.9	181.9	31.3	16.2	58.9	208.6	35.9	17.1	67.1	224.6	38.6	19.6	71.3
	10	165.7	28.5	13.6	52.5	187.8	32.3	17.1	59.5	215.4	37.0	18.1	67.8	232.0	39.9	20.7	72.0
	11	170.9	29.4	14.4	53.0	193.7	33.3	18.1	60.1	222.2	38.2	19.2	68.5	239.3	41.2	22.0	72.7
	12	176.2	30.3	15.3	53.6	199.6	34.3	19.2	60.7	229.0	39.4	20.3	69.2	246.6	42.4	23.2	73.5
	13	181.4	31.2	16.1	54.1	205.6	35.4	20.2	61.3	235.8	40.6	21.4	69.9	253.9	43.7	24.5	74.2
	14	186.6	32.1	17.0	54.6	211.5	36.4	21.3	61.9	242.6	41.7	22.5	70.6	261.3	44.9	25.8	75.0
	15	191.9	33.0	17.8	55.2	217.4	37.4	22.4	62.5	249.4	42.9	23.7	71.3	268.6	46.2	27.1	75.7

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	129.8	22.3	8.7	54.7	147.1	25.3	11.0	62.0	168.7	29.0	11.6	70.7	181.7	31.3	13.3	75.1
	6	134.8	23.2	9.4	55.3	152.8	26.3	11.8	62.7	175.3	30.1	12.4	71.4	188.8	32.5	14.2	75.9
	7	139.9	24.1	10.0	55.9	158.5	27.3	12.6	63.3	181.8	31.3	13.3	72.2	195.8	33.7	15.2	76.7
	8	144.9	24.9	10.7	56.5	164.3	28.3	13.4	64.0	188.4	32.4	14.2	72.9	202.9	34.9	16.2	77.5
	9	150.0	25.8	11.4	57.0	170.0	29.2	14.3	64.6	195.0	33.5	15.1	73.6	210.0	36.1	17.3	78.2
40	10	155.0	26.7	12.1	57.6	175.7	30.2	15.2	65.3	201.5	34.7	16.0	74.4	217.0	37.3	18.4	79.0
	11	160.1	27.5	12.8	58.2	181.4	31.2	16.1	65.9	208.1	35.8	17.0	75.1	224.1	38.5	19.5	79.8
	12	165.1	28.4	13.6	58.7	187.1	32.2	17.0	66.6	214.6	36.9	18.0	75.8	231.1	39.8	20.6	80.6
	13	170.1	29.3	14.3	59.3	192.8	33.2	18.0	67.2	221.2	38.0	19.0	76.6	238.2	41.0	21.8	81.4
	14	175.2	30.1	15.1	59.9	198.6	34.2	19.0	67.9	227.8	39.2	20.1	77.3	245.3	42.2	23.0	82.2
	15	180.2	31.0	15.9	60.5	204.3	35.1	20.0	68.5	234.3	40.3	21.1	78.1	252.3	43.4	24.2	82.9
	5	123.9	21.3	8.0	57.7	140.5	24.2	10.1	65.4	161.1	27.7	10.6	74.5	173.5	29.8	12.2	79.2
	6	128.9	22.2	8.6	58.3	146.1	25.1	10.8	66.1	167.5	28.8	11.4	75.3	180.4	31.0	13.1	80.0
	7	133.8	23.0	9.2	58.9	151.7	26.1	11.6	66.8	174.0	29.9	12.2	76.1	187.3	32.2	14.0	80.8
	8	138.7	23.9	9.9	59.5	157.2	27.0	12.4	67.4	180.4	31.0	13.1	76.8	194.2	33.4	15.0	81.6
	9	143.7	24.7	10.5	60.1	162.8	28.0	13.2	68.1	186.8	32.1	13.9	77.6	201.1	34.6	16.0	82.4
43	10	148.6	25.6	11.2	60.7	168.4	29.0	14.1	68.8	193.2	33.2	14.8	78.3	208.1	35.8	17.0	83.2
	11	153.5	26.4	11.9	61.3	174.0	29.9	14.9	69.4	199.6	34.3	15.7	79.1	215.0	37.0	18.0	84.1
	12	158.5	27.3	12.6	61.8	179.6	30.9	15.8	70.1	206.0	35.4	16.7	79.9	221.9	38.2	19.1	84.9
	13	163.4	28.1	13.3	62.4	185.2	31.9	16.7	70.8	212.4	36.5	17.7	80.6	228.8	39.3	20.2	85.7
	14	168.3	29.0	14.0	63.0	190.8	32.8	17.6	71.4	218.8	37.6	18.6	81.4	235.7	40.5	21.3	86.5
	15	173.3	29.8	14.8	63.6	196.4	33.8	18.6	72.1	225.2	38.7	19.7	82.1	242.6	41.7	22.5	87.3
	5	118.1	20.3	7.4	60.7	133.8	23.0	9.3	68.8	153.5	26.4	9.7	78.4	165.3	28.4	11.2	83.3
	6	122.9	21.1	7.9	61.3	139.3	24.0	10.0	69.5	159.8	27.5	10.5	79.2	172.1	29.6	12.0	84.1
	7	127.7	22.0	8.5	61.9	144.8	24.9	10.7	70.2	166.1	28.6	11.2	80.0	178.8	30.8	12.9	85.0
	8	132.6	22.8	9.1	62.5	150.2	25.8	11.4	70.9	172.3	29.6	12.0	80.7	185.6	31.9	13.8	85.8
	9	137.4	23.6	9.7	63.1	155.7	26.8	12.2	71.6	178.6	30.7	12.8	81.5	192.3	33.1	14.7	86.6
46	10	142.2	24.5	10.3	63.7	161.2	27.7	13.0	72.2	184.9	31.8	13.7	82.3	199.1	34.2	15.7	87.5
	11	147.0	25.3	11.0	64.4	166.6	28.7	13.8	72.9	191.1	32.9	14.5	83.1	205.8	35.4	16.7	88.3
	12	151.8	26.1	11.6	65.0	172.1	29.6	14.6	73.6	197.4	34.0	15.4	83.9	212.6	36.6	17.7	89.1
	13	156.7	26.9	12.3	65.6	177.5	30.5	15.5	74.3	203.7	35.0	16.3	84.7	219.3	37.7	18.7	90.0
	14	161.5	27.8	13.0	66.2	183.0	31.5	16.4	75.0	209.9	36.1	17.3	85.4	226.1	38.9	19.8	90.8
	15	166.3	28.6	13.7	66.8	188.5	32.4	17.3	75.7	216.2	37.2	18.2	86.2	232.8	40.0	20.9	91.6

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		RHME-120AH2				RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	320.7	55.2	12.9	74.9	363.4	62.5	16.1	84.8
	6	331.7	57.0	13.7	75.8	375.9	64.7	17.2	86.0
	7	342.7	58.9	14.5	76.8	388.4	66.8	18.2	87.1
	8	353.7	60.8	15.4	77.8	400.8	68.9	19.3	88.2
	9	364.7	62.7	16.3	78.8	413.3	71.1	20.4	89.3
	10	375.7	64.6	17.2	79.8	425.8	73.2	21.5	90.4
	11	386.7	66.5	18.1	80.8	438.3	75.4	22.7	91.5
	12	397.7	68.4	19.0	81.7	450.7	77.5	23.9	92.6
	13	408.7	70.3	20.0	82.7	463.2	79.7	25.1	93.7
	14	419.7	72.2	21.0	83.7	475.7	81.8	26.4	94.9
	15	430.7	74.1	22.0	84.7	488.2	84.0	27.6	96.0
25	5	310.1	53.3	12.1	83.6	351.4	60.4	15.2	94.7
	6	321.0	55.2	12.9	84.6	363.8	62.6	16.2	95.9
	7	332.0	57.1	13.7	85.6	376.2	64.7	17.2	97.0
	8	342.9	59.0	14.5	86.6	388.6	66.8	18.2	98.2
	9	353.8	60.9	15.4	87.7	401.0	69.0	19.3	99.3
	10	364.8	62.7	16.3	88.7	413.4	71.1	20.4	100.5
	11	375.7	64.6	17.2	89.7	425.8	73.2	21.5	101.7
	12	386.6	66.5	18.1	90.7	438.2	75.4	22.7	102.8
	13	397.6	68.4	19.0	91.7	450.6	77.5	23.9	104.0
	14	408.5	70.3	20.0	92.7	463.0	79.6	25.1	105.1
	15	419.4	72.1	21.0	93.8	475.4	81.8	26.3	106.3
30	5	298.6	51.4	11.3	91.8	338.4	58.2	14.2	104.0
	6	309.4	53.2	12.0	92.9	350.6	60.3	15.1	105.2
	7	320.2	55.1	12.8	93.9	362.9	62.4	16.1	106.4
	8	331.1	56.9	13.6	95.0	375.2	64.5	17.1	107.6
	9	341.9	58.8	14.4	96.0	387.5	66.7	18.1	108.8
	10	352.8	60.7	15.3	97.1	399.8	68.8	19.2	110.0
	11	363.6	62.5	16.2	98.1	412.1	70.9	20.3	111.2
	12	374.4	64.4	17.0	99.2	424.4	73.0	21.4	112.4
	13	385.3	66.3	18.0	100.2	436.6	75.1	22.6	113.6
	14	396.1	68.1	18.9	101.3	448.9	77.2	23.7	114.8
	15	406.9	70.0	19.8	102.3	461.2	79.3	24.9	116.0
35	5	279.1	48.0	10.0	99.5	316.3	54.4	12.5	112.8
	6	289.5	49.8	10.7	100.6	328.1	56.4	13.4	114.0
	7	**300**	**51.6**	**11.4**	**101.7**	**340**	**58.5**	**14.3**	**115.3**
	8	310.5	53.4	12.1	102.8	351.9	60.5	15.2	116.5
	9	320.9	55.2	12.9	103.9	363.7	62.6	16.2	117.7
	10	331.4	57.0	13.6	104.9	375.6	64.6	17.1	118.9
	11	341.9	58.8	14.4	106.0	387.4	66.6	18.1	120.2
	12	352.3	60.6	15.3	107.1	399.3	68.7	19.2	121.4
	13	362.8	62.4	16.1	108.2	411.2	70.7	20.2	122.6
	14	373.2	64.2	17.0	109.3	423.0	72.8	21.3	123.9
	15	383.7	66.0	17.8	110.4	434.9	74.8	22.4	125.1

		RHME-120AH2				RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	259.6	44.6	8.7	109.5	294.2	50.6	11.0	124.1
	6	269.7	46.4	9.4	110.6	305.6	52.6	11.8	125.4
	7	279.8	48.1	10.0	111.8	317.1	54.5	12.6	126.7
	8	289.9	49.9	10.7	112.9	328.5	56.5	13.4	128.0
	9	299.9	51.6	11.4	114.1	339.9	58.5	14.3	129.3
	10	310.0	53.3	12.1	115.2	351.4	60.4	15.2	130.6
	11	320.1	55.1	12.8	116.3	362.8	62.4	16.1	131.8
	12	330.2	56.8	13.6	117.5	374.2	64.4	17.0	133.1
	13	340.3	58.5	14.3	118.6	385.7	66.3	18.0	134.4
	14	350.4	60.3	15.1	119.8	397.1	68.3	19.0	135.7
	15	360.5	62.0	15.9	120.9	408.5	70.3	20.0	137.0
43	5	247.9	42.6	8.0	115.5	280.9	48.3	10.1	130.9
	6	257.8	44.3	8.6	116.6	292.1	50.2	10.8	132.2
	7	267.6	46.0	9.2	117.8	303.3	52.2	11.6	133.5
	8	277.5	47.7	9.9	119.0	314.5	54.1	12.4	134.9
	9	287.4	49.4	10.5	120.2	325.7	56.0	13.2	136.2
	10	297.2	51.1	11.2	121.3	336.8	57.9	14.1	137.5
	11	307.1	52.8	11.9	122.5	348.0	59.9	14.9	138.9
	12	316.9	54.5	12.6	123.7	359.2	61.8	15.8	140.2
	13	326.8	56.2	13.3	124.9	370.4	63.7	16.7	141.5
	14	336.7	57.9	14.0	126.0	381.6	65.6	17.6	142.9
	15	346.5	59.6	14.8	127.2	392.7	67.6	18.6	144.2
46	5	236.2	40.6	7.4	121.4	267.7	46.0	9.3	137.6
	6	245.8	42.3	7.9	122.7	278.6	47.9	10.0	139.0
	7	255.5	43.9	8.5	123.9	289.5	49.8	10.7	140.4
	8	265.1	45.6	9.1	125.1	300.5	51.7	11.4	141.7
	9	274.8	47.3	9.7	126.3	311.4	53.6	12.2	143.1
	10	284.4	48.9	10.3	127.5	322.3	55.4	13.0	144.5
	11	294.0	50.6	11.0	128.7	333.2	57.3	13.8	145.9
	12	303.7	52.2	11.6	129.9	344.2	59.2	14.6	147.2
	13	313.3	53.9	12.3	131.1	355.1	61.1	15.5	148.6
	14	323.0	55.5	13.0	132.3	366.0	63.0	16.4	150.0
	15	332.6	57.2	13.7	133.5	376.9	64.8	17.3	151.3

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

4.1.1.3 Capacity tables at partial load - R(C/H)ME-AH2

Full load

Ambient Temperature (°C)	Performance	30	35	40	50	60	70	75	80	90	100	
46	Capacity	30	35	40	50	60	70	75	80	85	-	
	Input	64	61	62	67	74	84	90	100	121	-	
	EER	47	57	65	75	81	83	83	80	70	-	
43	Capacity	30	35	40	50	60	70	75	80	89	-	
	Input	58	56	57	61	68	77	83	91	116	-	
	EER	52	62	70	82	88	91	90	88	77	-	
40	Capacity	30	35	40	50	60	70	75	80	90	93	
	Input	53	52	53	57	64	72	77	83	101	109	
	EER	57	67	76	88	94	97	97	96	89	85	
35	Capacity	30	35	40	50	60	70	75	80	90	100	
	Input	45	45	46	50	56	64	69	74	87	100	
	EER	67	78	87	100	107	109	109	108	104	100	
30	Capacity	30	35	40	50	60	70	75	80	90	100	107
	Input	34	36	38	42	47	53	56	61	73	85	92
	EER	88	98	106	120	128	132	133	131	123	117	116
25	Capacity	30	35	40	50	60	70	75	80	90	100	111
	Input	26	28	30	34	39	45	49	54	63	75	85
	EER	117	126	134	147	154	154	152	149	142	134	131
20	Capacity	30	35	40	50	60	70	75	80	90	100	111
	Input	20	22	24	29	34	39	42	46	55	66	76
	EER	151	158	164	173	179	179	177	174	165	152	146

35%: Minimum load for 60HP,80HP,120HP

30%: Minimum load for 70HP,90HP,140HP

NOTE

1 The previous table shows the amount of reduction or increase in capacity, input and EER from a reference 100% value.

Capacity (%)	100
Input (%)	100
EER (%)	100

2 The values for a 100% rate in capacity, input and EER correspond to the values in the Performance Table (cooling operation at full load), and for the following conditions:

- *Ambient temperature (ABT): 35 ºC*
- *Chilled Water outlet Temperature target (COT) (ºC) (from 5 to 15ºC)*
- *Water flow rate constant*
- *Capacity: cooling capacity (kW)*
- *Input (IPT): total input power (compressors + fans) (kW)*
- *EER: Capacity / Input (kW/kW)*
- *All condenser fans running*

4.1.2 Heating Operation

4.1.2.1 Performance Table at full load - RHME-AH2

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	162.1	27.9	13.1	43.7	162.1	27.9	13.1	43.7	206.8	35.6	16.8	55.5	206.8	35.6	16.8	55.5
	40	161.4	27.8	13.0	47.2	161.4	27.8	13.0	47.2	206.0	35.4	16.7	59.8	206.0	35.4	16.7	59.8
	45	160.8	27.7	12.9	52.7	160.8	27.7	12.9	52.7	205.1	35.3	16.6	66.8	205.1	35.3	16.6	66.8
	50	160.1	27.5	12.8	60.2	160.1	27.5	12.8	60.2	204.2	35.1	16.4	76.2	204.2	35.1	16.4	76.2
	55	152.8	26.3	11.8	69.6	152.8	26.3	11.8	69.6	195.0	33.5	15.1	88.2	195.0	33.5	15.1	88.2
10	35	159.5	27.4	12.7	43.0	159.5	27.4	12.7	43.0	203.5	35.0	16.3	54.5	203.5	35.0	16.3	54.5
	40	158.1	27.2	12.5	46.6	158.1	27.2	12.5	46.6	201.7	34.7	16.0	59.0	201.7	34.7	16.0	59.0
	45	156.5	26.9	12.3	52.0	156.5	26.9	12.3	52.0	199.7	34.3	15.8	65.7	199.7	34.3	15.8	65.7
	50	155.1	26.7	12.1	58.9	155.1	26.7	12.1	58.9	197.8	34.0	15.5	74.7	197.8	34.0	15.5	74.7
	55	147.2	25.3	11.0	67.9	147.2	25.3	11.0	67.9	187.8	32.3	14.1	86.1	187.8	32.3	14.1	86.1
6	35	149.3	25.7	11.3	42.4	149.3	25.7	11.3	42.4	190.4	32.8	14.4	53.9	190.4	32.8	14.4	53.9
	40	147.1	25.3	11.0	46.1	147.1	25.3	11.0	46.1	187.7	32.3	14.1	58.3	187.7	32.3	14.1	58.3
	45	**145.0**	**24.9**	**10.7**	**51.2**	**145.0**	**24.9**	**10.7**	**51.2**	**185.0**	**31.8**	**13.7**	**64.9**	**185.0**	**31.8**	**13.7**	**64.9**
	50	142.9	24.6	10.4	58.0	142.9	24.6	10.4	58.0	182.3	31.4	13.3	73.5	182.3	31.4	13.3	73.5
	55	134.9	23.2	9.4	66.5	134.9	23.2	9.4	66.5	172.1	29.6	12.0	84.3	172.1	29.6	12.0	84.3
5	35	145.9	25.1	10.8	42.4	145.9	25.1	10.8	42.4	186.1	32.0	13.9	53.7	186.1	32.0	13.9	53.7
	40	143.6	24.7	10.5	45.9	143.6	24.7	10.5	45.9	183.3	31.5	13.5	58.2	183.3	31.5	13.5	58.2
	45	141.3	24.3	10.2	51.1	141.3	24.3	10.2	51.1	180.3	31.0	13.1	64.6	180.3	31.0	13.1	64.6
	50	139.1	23.9	9.9	57.8	139.1	23.9	9.9	57.8	177.5	30.5	12.7	73.3	177.5	30.5	12.7	73.3
	55	131.1	22.5	8.9	66.1	131.1	22.5	8.9	66.1	167.2	28.8	11.4	83.8	167.2	28.8	11.4	83.8
0	35	129.2	22.2	8.7	41.7	129.2	22.2	8.7	41.7	164.9	28.4	11.1	52.8	164.9	28.4	11.1	52.8
	40	126.2	21.7	8.3	45.4	126.2	21.7	8.3	45.4	161.1	27.7	10.6	57.4	161.1	27.7	10.6	57.4
	45	123.2	21.2	8.0	50.3	123.2	21.2	8.0	50.3	157.1	27.0	10.2	63.7	157.1	27.0	10.2	63.7
	50	120.2	20.7	7.6	56.6	120.2	20.7	7.6	56.6	153.3	26.4	9.7	71.8	153.3	26.4	9.7	71.8
	55	112.2	19.3	6.7	64.5	112.2	19.3	6.7	64.5	143.2	24.6	8.6	81.6	143.2	24.6	8.6	81.6
-5	35	101.4	17.4	5.6	36.9	101.4	17.4	5.6	36.9	129.4	22.3	7.1	46.7	129.4	22.3	7.1	46.7
	40	97.9	16.8	5.2	40.2	97.9	16.8	5.2	40.2	124.9	21.5	6.7	50.9	124.9	21.5	6.7	50.9
	45	94.5	16.3	4.9	44.4	94.5	16.3	4.9	44.4	120.6	20.7	6.3	56.4	120.6	20.7	6.3	56.4
	50	91.1	15.7	4.6	50.0	91.1	15.7	4.6	50.0	116.2	20.0	5.8	63.3	116.2	20.0	5.8	63.3
	55	84.0	14.4	4.0	56.4	84.0	14.4	4.0	56.4	107.2	18.4	5.0	71.5	107.2	18.4	5.0	71.5
-10	35	86.4	14.9	4.2	36.2	86.4	14.9	4.2	36.2	110.3	19.0	5.3	45.9	110.3	19.0	5.3	45.9
	40	82.3	14.1	3.8	39.7	82.3	14.1	3.8	39.7	105.0	18.1	4.9	50.1	105.0	18.1	4.9	50.1
	45	78.2	13.5	3.5	43.7	78.2	13.5	3.5	43.7	99.8	17.2	4.4	55.5	99.8	17.2	4.4	55.5
	50	74.0	12.7	3.1	48.8	74.0	12.7	3.1	48.8	94.5	16.2	4.0	61.9	94.5	16.2	4.0	61.9

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

(Pump not included)

		RHME-120AH2				RHME-140AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	324.2	55.8	46.3	79.7	324.2	55.8	46.3	79.7
	40	322.9	55.5	46.0	91.1	322.9	55.5	46.0	91.1
	45	321.5	55.3	45.6	102.5	321.5	55.3	45.6	102.5
	50	320.2	55.1	45.3	113.9	320.2	55.1	45.3	113.9
	55	305.7	52.6	41.6	125.2	305.7	52.6	41.6	125.2
10	35	319.0	54.9	45.0	79.7	319.0	54.9	45.0	79.7
	40	316.1	54.4	44.3	91.1	316.1	54.4	44.3	91.1
	45	313.0	53.8	43.5	102.5	313.0	53.8	43.5	102.5
	50	310.1	53.3	42.7	113.9	310.1	53.3	42.7	113.9
	55	294.4	50.6	38.9	125.2	294.4	50.6	38.9	125.2
6	35	298.5	51.3	39.9	79.7	298.5	51.3	39.9	79.7
	40	294.3	50.6	38.8	91.1	294.3	50.6	38.8	91.1
	45	**290.0**	**49.9**	**37.8**	**102.5**	**290.0**	**49.9**	**37.8**	**102.5**
	50	285.7	49.1	36.8	113.9	285.7	49.1	36.8	113.9
	55	269.7	46.4	33.1	125.2	269.7	46.4	33.1	125.2
5	35	291.7	50.2	38.2	79.7	291.7	50.2	38.2	79.7
	40	287.3	49.4	37.2	91.1	287.3	49.4	37.2	91.1
	45	282.7	48.6	36.1	102.5	282.7	48.6	36.1	102.5
	50	278.2	47.9	35.1	113.9	278.2	47.9	35.1	113.9
	55	262.2	45.1	31.5	125.2	262.2	45.1	31.5	125.2
0	35	258.5	44.5	30.7	79.7	258.5	44.5	30.7	79.7
	40	252.5	43.4	29.4	91.1	252.5	43.4	29.4	91.1
	45	246.3	42.4	28.1	102.5	246.3	42.4	28.1	102.5
	50	240.3	41.3	26.9	113.9	240.3	41.3	26.9	113.9
	55	224.5	38.6	23.7	125.2	224.5	38.6	23.7	125.2
-5	35	202.8	34.9	19.7	79.7	202.8	34.9	19.7	79.7
	40	195.8	33.7	18.5	91.1	195.8	33.7	18.5	91.1
	45	189.1	32.5	17.4	102.5	189.1	32.5	17.4	102.5
	50	182.1	31.3	16.2	113.9	182.1	31.3	16.2	113.9
	55	168.0	28.9	14.0	125.2	168.0	28.9	14.0	125.2
-10	35	172.8	29.7	14.7	79.7	172.8	29.7	14.7	79.7
	40	164.5	28.3	13.5	91.1	164.5	28.3	13.5	91.1
	45	156.4	26.9	12.3	102.5	156.4	26.9	12.3	102.5
	50	148.1	25.5	11.1	113.9	148.1	25.5	11.1	113.9

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

4.2 Typical on-site module combinations

4.2.1 Cooling Operation

4.2.1.1 Performance Table at full load - RCME-AH2

◆ 2 Modules

(Pump not included)

		2 x RCME-60AH2				2 x RCME-70AH2				2 x RCME-80AH2				2 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	342.0	58.8	18.7	75.0	384.8	66.2	17.9	84.4	438.2	75.4	22.7	95.5	481.0	82.7	26.9	103.5
	6	353.8	60.8	19.9	76.0	398.0	68.5	19.1	85.5	453.3	78.0	24.1	96.8	497.5	85.6	28.6	104.9
	7	365.5	62.9	21.1	77.0	411.2	70.7	20.2	86.6	468.3	80.6	25.6	98.0	514.0	88.4	30.4	106.2
	8	377.3	64.9	22.3	78.0	424.4	73.0	21.4	87.7	483.4	83.1	27.1	99.3	530.5	91.2	32.2	107.6
	9	389.0	66.9	23.6	79.0	437.6	75.3	22.6	88.8	498.4	85.7	28.7	100.5	547.0	0.0	34.0	109.0
	10	400.7	68.9	24.9	79.9	450.8	77.5	23.9	89.9	513.5	88.3	30.3	101.8	563.5	94.1	35.9	110.3
	11	412.5	70.9	26.3	80.9	464.0	79.8	25.2	91.0	528.5	90.9	31.9	103.0	580.1	96.9	37.8	111.7
	12	424.2	73.0	27.6	81.9	477.3	82.1	26.5	92.1	543.5	93.5	33.6	104.3	596.6	99.8	39.8	113.0
	13	436.0	75.0	29.0	82.9	490.5	84.4	27.9	93.3	558.6	96.1	35.3	105.5	613.1	102.6	41.9	114.4
	14	447.7	77.0	30.5	83.9	503.7	86.6	29.3	94.4	573.6	98.7	37.1	106.8	629.6	105.5	43.9	115.7
	15	459.5	79.0	31.9	84.9	516.9	88.9	30.7	95.5	588.7	101.3	38.9	108.0	646.1	108.3	46.0	117.1
25	5	330.8	56.9	17.6	83.8	372.1	64.0	16.9	94.2	423.8	72.9	21.4	106.6	465.1	111.1	25.3	115.6
	6	342.4	58.9	18.7	84.8	385.2	66.3	18.0	95.4	438.7	75.5	22.8	107.9	481.5	80.0	27.0	117.0
	7	354.1	60.9	19.9	85.8	398.3	68.5	19.1	96.5	453.7	78.0	24.2	109.2	497.9	82.8	28.7	118.4
	8	365.8	62.9	21.1	86.8	411.5	70.8	20.2	97.7	468.6	80.6	25.7	110.5	514.3	85.6	30.4	119.8
	9	377.4	64.9	22.3	87.8	424.6	73.0	21.4	98.8	483.6	83.2	27.2	111.8	530.7	88.5	32.2	121.2
	10	389.1	66.9	23.6	88.9	437.7	75.3	22.7	100.0	498.5	85.7	28.7	113.1	547.1	91.3	34.0	122.6
	11	400.7	68.9	24.9	89.9	450.8	77.5	23.9	101.1	513.4	88.3	30.3	114.4	563.5	94.1	35.9	124.0
	12	412.4	70.9	26.2	90.9	464.0	79.8	25.2	102.3	528.4	90.9	31.9	115.7	579.9	96.9	37.8	125.4
	13	424.1	72.9	27.6	91.9	477.1	82.1	26.5	103.4	543.3	93.5	33.6	117.0	596.3	99.7	39.8	126.8
	14	435.7	74.9	29.0	92.9	490.2	84.3	27.8	104.6	558.3	96.0	35.3	118.3	612.7	102.6	41.8	128.3
	15	447.4	77.0	30.4	94.0	503.3	86.6	29.2	105.7	573.2	98.6	37.0	119.6	629.1	105.4	43.9	129.7
30	5	318.5	54.8	16.4	92.0	358.3	61.6	15.7	103.5	408.0	70.2	19.9	117.1	447.8	108.2	23.6	126.9
	6	330.0	56.8	17.5	93.1	371.3	63.9	16.8	104.7	422.8	72.7	21.3	118.5	464.1	77.0	25.2	128.4
	7	341.6	58.8	18.6	94.1	384.3	66.1	17.9	105.9	437.7	75.3	22.7	119.8	480.4	79.8	26.8	129.9
	8	353.1	60.7	19.8	95.2	397.3	68.3	19.0	107.1	452.5	77.8	24.1	121.2	496.6	82.6	28.5	131.3
	9	364.7	62.7	21.0	96.2	410.3	70.6	20.1	108.2	467.3	80.4	25.5	122.5	512.9	85.4	30.2	132.8
	10	376.3	64.7	22.2	97.3	423.3	72.8	21.3	109.4	482.1	82.9	27.0	123.8	529.1	88.2	32.0	134.2
	11	387.8	66.7	23.5	98.3	436.3	75.0	22.5	110.6	496.9	85.5	28.5	125.2	545.4	91.0	33.8	135.7
	12	399.4	68.7	24.8	99.4	449.3	77.3	23.8	111.8	511.7	88.0	30.1	126.5	561.6	93.8	35.7	137.1
	13	411.0	70.7	26.1	100.4	462.3	79.5	25.0	113.0	526.5	90.6	31.7	127.9	577.9	96.6	37.6	138.6
	14	422.5	72.7	27.4	101.5	475.3	81.8	26.3	114.2	541.3	93.1	33.4	129.2	594.2	99.4	39.5	140.0
	15	434.1	74.7	28.8	102.5	488.3	84.0	27.7	115.4	556.2	95.7	35.0	130.6	610.4	102.2	41.5	141.5

		2 x RCME-60AH2				2 x RCME-70AH2				2 x RCME-80AH2				2 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	297.7	51.2	14.5	99.7	334.9	57.6	13.9	112.2	381.4	65.6	17.6	127.0	418.6	105.0	20.9	137.6
	6	308.8	53.1	15.5	100.8	347.4	59.8	14.9	113.4	395.7	68.1	18.9	128.4	434.3	72.0	22.3	139.1
	7	**320.0**	**55.0**	**16.6**	**101.9**	**360.0**	**61.9**	**15.9**	**114.6**	**410.0**	**70.5**	**20.1**	**129.7**	**450.0**	**74.7**	**23.8**	**140.6**
	8	331.2	57.0	17.6	103.0	372.6	64.1	16.9	115.9	424.3	73.0	21.4	131.1	465.7	77.4	25.4	142.1
	9	342.3	58.9	18.7	104.1	385.1	66.2	17.9	117.1	438.6	75.4	22.7	132.5	481.4	80.1	26.9	143.6
35	10	353.5	60.8	19.8	105.2	397.7	68.4	19.0	118.3	452.9	77.9	24.1	133.9	497.1	82.8	28.6	145.1
	11	364.6	62.7	21.0	106.3	410.2	70.6	20.1	119.5	467.2	80.4	25.5	135.3	512.8	85.5	30.2	146.6
	12	375.8	64.6	22.2	107.3	422.8	72.7	21.3	120.8	481.5	82.8	27.0	136.7	528.5	88.2	31.9	148.1
	13	387.0	66.6	23.4	108.4	435.3	74.9	22.4	122.0	495.8	85.3	28.4	138.0	544.2	90.9	33.7	149.6
	14	398.1	68.5	24.6	109.5	447.9	77.0	23.6	123.2	510.1	87.7	29.9	139.4	559.9	93.6	35.5	151.1
	15	409.3	70.4	25.9	110.6	460.5	79.2	24.8	124.4	524.4	90.2	31.5	140.8	575.6	96.3	37.3	152.6
	5	276.9	47.6	12.7	109.7	311.5	53.6	12.2	123.4	354.8	61.0	15.5	139.7	389.4	99.0	18.3	151.4
	6	287.7	49.5	13.7	110.9	323.6	55.7	13.1	124.7	368.6	63.4	16.6	141.1	404.5	67.0	19.6	153.0
	7	298.4	51.3	14.6	112.0	335.7	57.7	14.0	126.0	382.3	65.8	17.7	142.6	419.6	69.6	21.0	154.6
	8	309.2	53.2	15.6	113.2	347.8	59.8	14.9	127.3	396.1	68.1	18.9	144.1	434.8	72.2	22.4	156.1
	9	319.9	55.0	16.6	114.3	359.9	61.9	15.9	128.6	409.9	70.5	20.1	145.5	449.9	74.8	23.8	157.7
40	10	330.7	56.9	17.6	115.4	372.0	64.0	16.9	129.9	423.7	72.9	21.4	147.0	465.0	77.4	25.3	159.3
	11	341.5	58.7	18.6	116.6	384.1	66.1	17.9	131.2	437.5	75.2	22.6	148.4	480.2	80.0	26.8	160.9
	12	352.2	60.6	19.7	117.7	396.3	68.2	18.9	132.4	451.3	77.6	24.0	149.9	495.3	82.6	28.4	162.5
	13	363.0	62.4	20.8	118.9	408.4	70.2	20.0	133.7	465.1	80.0	25.3	151.3	510.4	85.2	30.0	164.0
	14	373.7	64.3	22.0	120.0	420.5	72.3	21.1	135.0	478.9	82.4	26.7	152.8	525.6	87.8	31.6	165.6
	15	384.5	66.1	23.1	121.2	432.6	74.4	22.2	136.3	492.7	84.7	28.1	154.3	540.7	90.4	33.3	167.2
	5	264.4	45.5	11.7	115.7	297.5	51.2	11.2	130.2	338.8	58.3	14.2	147.3	371.8	93.0	16.8	159.7
	6	274.9	47.3	12.6	116.9	309.3	53.2	12.0	131.5	352.3	60.6	15.3	148.8	386.6	64.0	18.1	161.3
	7	285.5	49.1	13.5	118.1	321.1	55.2	12.9	132.8	365.8	62.9	16.3	150.3	401.4	66.5	19.4	162.9
	8	296.0	50.9	14.4	119.2	333.0	57.3	13.8	134.2	379.2	65.2	17.4	151.8	416.2	69.0	20.7	164.5
	9	306.5	52.7	15.3	120.4	344.8	59.3	14.7	135.5	392.7	67.5	18.6	153.3	431.0	71.6	22.0	166.2
43	10	317.0	54.5	16.3	121.6	356.7	61.3	15.6	136.8	406.2	69.9	19.8	154.8	445.8	74.1	23.4	167.8
	11	327.6	56.3	17.3	122.8	368.5	63.4	16.6	138.1	419.7	72.2	21.0	156.3	460.6	76.7	24.9	169.4
	12	338.1	58.1	18.3	124.0	380.3	65.4	17.5	139.5	433.2	74.5	22.2	157.8	475.4	79.2	26.3	171.0
	13	348.6	60.0	19.3	125.1	392.2	67.5	18.5	140.8	446.6	76.8	23.5	159.3	490.2	81.8	27.8	172.7
	14	359.1	61.8	20.4	126.3	404.0	69.5	19.6	142.1	460.1	79.1	24.8	160.8	505.0	84.3	29.4	174.3
	15	369.6	63.6	21.5	127.5	415.8	71.5	20.6	143.4	473.6	81.5	26.2	162.3	519.8	86.9	31.0	175.9
	5	252.0	43.3	10.7	121.7	283.4	48.8	10.3	136.9	322.8	55.5	13.0	154.9	354.3	89.4	15.4	167.9
	6	262.2	45.1	11.5	122.9	295.0	50.7	11.0	138.3	336.0	57.8	14.0	156.5	368.8	60.9	16.6	169.6
	7	272.5	46.9	12.4	124.1	306.6	52.7	11.8	139.6	349.2	60.1	15.0	158.0	383.2	63.4	17.8	171.3
	8	282.8	48.6	13.2	125.3	318.1	54.7	12.7	141.0	362.3	62.3	16.1	159.6	397.7	65.9	19.0	173.0
	9	293.1	50.4	14.1	126.6	329.7	56.7	13.5	142.4	375.5	64.6	17.1	161.1	412.1	68.4	20.3	174.6
46	10	303.4	52.2	15.0	127.8	341.3	58.7	14.4	143.7	388.7	66.9	18.2	162.7	426.6	70.9	21.6	176.3
	11	313.6	53.9	16.0	129.0	352.8	60.7	15.3	145.1	401.9	69.1	19.4	164.2	441.1	73.4	23.0	178.0
	12	323.9	55.7	16.9	130.2	364.4	62.7	16.2	146.5	415.0	71.4	20.6	165.7	455.5	75.9	24.4	179.6
	13	334.2	57.5	17.9	131.4	376.0	64.7	17.2	147.8	428.2	73.7	21.8	167.3	470.0	78.3	25.8	181.3
	14	344.5	59.3	18.9	132.6	387.5	66.7	18.2	149.2	441.4	75.9	23.0	168.8	484.4	80.8	27.3	183.0
	15	354.8	61.0	20.0	133.8	399.1	68.6	19.2	150.6	454.5	78.2	24.3	170.4	498.9	83.3	28.8	184.7

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		2 x RCME-120AH2				2 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
25	5	684.1	117.7	18.7	150.0	769.6	132.4	17.9	168.8
	6	707.5	121.7	19.9	152.0	796.0	136.9	19.1	171.0
	7	731.0	125.7	21.1	154.0	822.4	141.5	20.2	173.2
	8	754.5	129.8	22.3	155.9	848.8	146.0	21.4	175.4
	9	778.0	133.8	23.6	157.9	875.3	150.5	22.6	177.7
	10	801.5	137.9	24.9	159.9	901.7	155.1	23.9	179.9
	11	825.0	141.9	26.3	161.8	928.1	159.6	25.2	182.1
	12	848.5	145.9	27.6	163.8	954.5	164.2	26.5	184.3
	13	872.0	150.0	29.0	165.8	980.9	168.7	27.9	186.5
	14	895.4	154.0	30.5	167.7	1007.4	173.3	29.3	188.7
	15	918.9	158.1	31.9	169.7	1033.8	177.8	30.7	190.9
25	5	661.5	113.8	17.6	167.5	744.2	128.0	16.9	188.5
	6	684.9	117.8	18.7	169.6	770.5	132.5	18.0	190.8
	7	708.2	121.8	19.9	171.6	796.7	137.0	19.1	193.1
	8	731.5	125.8	21.1	173.6	822.9	141.5	20.2	195.4
	9	754.8	129.8	22.3	175.7	849.2	146.1	21.4	197.6
	10	778.2	133.8	23.6	177.7	875.4	150.6	22.7	199.9
	11	801.5	137.9	24.9	179.8	901.7	155.1	23.9	202.2
	12	824.8	141.9	26.2	181.8	927.9	159.6	25.2	204.5
	13	848.1	145.9	27.6	183.8	954.1	164.1	26.5	206.8
	14	871.5	149.9	29.0	185.9	980.4	168.6	27.8	209.1
	15	894.8	153.9	30.4	187.9	1006.6	173.1	29.2	211.4
30	5	636.9	109.6	16.4	184.0	716.5	123.2	15.7	207.0
	6	660.0	113.5	17.5	186.1	742.6	127.7	16.8	209.4
	7	683.2	117.5	18.6	188.2	768.6	132.2	17.9	211.7
	8	706.3	121.5	19.8	190.3	794.6	136.7	19.0	214.1
	9	729.4	125.5	21.0	192.4	820.6	141.1	20.1	216.5
	10	752.5	129.4	22.2	194.5	846.6	145.6	21.3	218.9
	11	775.7	133.4	23.5	196.7	872.6	150.1	22.5	221.2
	12	798.8	137.4	24.8	198.8	898.6	154.6	23.8	223.6
	13	821.9	141.4	26.1	200.9	924.6	159.0	25.0	226.0
	14	845.0	145.3	27.4	203.0	950.7	163.5	26.3	228.4
	15	868.2	149.3	28.8	205.1	976.7	168.0	27.7	230.7
35	5	595.4	102.4	14.5	199.5	669.8	115.2	13.9	224.4
	6	617.7	106.2	15.5	201.6	694.9	119.5	14.9	226.9
	7	**640.0**	**110.1**	**16.6**	**203.8**	**720.0**	**123.8**	**15.9**	**229.3**
	8	662.3	113.9	17.6	206.0	745.1	128.2	16.9	231.7
	9	684.6	117.8	18.7	208.2	770.2	132.5	17.9	234.2
	10	707.0	121.6	19.8	210.3	795.3	136.8	19.0	236.6
	11	729.3	125.4	21.0	212.5	820.5	141.1	20.1	239.1
	12	751.6	129.3	22.2	214.7	845.6	145.4	21.3	241.5
	13	773.9	133.1	23.4	216.9	870.7	149.8	22.4	244.0
	14	796.3	137.0	24.6	219.0	895.8	154.1	23.6	246.4
	15	818.6	140.8	25.9	221.2	920.9	158.4	24.8	248.9

		2 x RCME-120AH2				2 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	553.8	95.3	12.7	219.4	623.0	107.2	12.2	246.9
	6	575.3	99.0	13.7	221.7	647.2	111.3	13.1	249.4
	7	596.8	102.7	14.6	224.0	671.4	115.5	14.0	252.0
	8	618.4	106.4	15.6	226.3	695.6	119.7	14.9	254.6
	9	639.9	110.1	16.6	228.6	719.9	123.8	15.9	257.2
	10	661.4	113.8	17.6	230.9	744.1	128.0	16.9	259.7
	11	682.9	117.5	18.6	233.2	768.3	132.1	17.9	262.3
	12	704.4	121.2	19.7	235.5	792.5	136.3	18.9	264.9
	13	726.0	124.9	20.8	237.7	816.7	140.5	20.0	267.5
	14	747.5	128.6	22.0	240.0	840.9	144.6	21.1	270.0
	15	769.0	132.3	23.1	242.3	865.1	148.8	22.2	272.6
43	5	528.8	91.0	11.7	231.4	595.0	102.3	11.2	260.3
	6	549.9	94.6	12.6	233.8	618.6	106.4	12.0	263.0
	7	570.9	98.2	13.5	236.1	642.3	110.5	12.9	265.7
	8	592.0	101.8	14.4	238.5	666.0	114.5	13.8	268.3
	9	613.0	105.4	15.3	240.8	689.6	118.6	14.7	271.0
	10	634.1	109.1	16.3	243.2	713.3	122.7	15.6	273.6
	11	655.1	112.7	17.3	245.6	737.0	126.8	16.6	276.3
	12	676.1	116.3	18.3	247.9	760.7	130.8	17.5	278.9
	13	697.2	119.9	19.3	250.3	784.3	134.9	18.5	281.6
	14	718.2	123.5	20.4	252.6	808.0	139.0	19.6	284.2
	15	739.3	127.2	21.5	255.0	831.7	143.1	20.6	286.9
46	5	503.9	86.7	10.7	243.4	566.9	97.5	10.3	273.8
	6	524.5	90.2	11.5	245.8	590.0	101.5	11.0	276.6
	7	545.0	93.7	12.4	248.3	613.2	105.5	11.8	279.3
	8	565.6	97.3	13.2	250.7	636.3	109.4	12.7	282.0
	9	586.2	100.8	14.1	253.1	659.4	113.4	13.5	284.7
	10	606.7	104.4	15.0	255.5	682.6	117.4	14.4	287.5
	11	627.3	107.9	16.0	258.0	705.7	121.4	15.3	290.2
	12	647.8	111.4	16.9	260.4	728.8	125.4	16.2	292.9
	13	668.4	115.0	17.9	262.8	752.0	129.3	17.2	295.7
	14	689.0	118.5	18.9	265.2	775.1	133.3	18.2	298.4
	15	709.5	122.0	20.0	267.7	798.2	137.3	19.2	301.1

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 3 Modules

(Pump not included)

		3 x RCME-60AH2				3 x RCME-70AH2				3 x RCME-80AH2				3 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	513.0	88.2	18.7	112.5	577.2	99.3	17.9	126.6	657.3	113.1	22.7	143.3	721.5	124.1	26.9	155.3
	6	530.7	91.3	19.9	114.0	597.0	102.7	19.1	128.3	679.9	116.9	24.1	145.2	746.2	128.4	28.6	157.3
	7	548.3	94.3	21.1	115.5	616.8	106.1	20.2	129.9	702.5	120.8	25.6	147.0	771.0	132.6	30.4	159.4
	8	565.9	97.3	22.3	117.0	636.6	109.5	21.4	131.6	725.0	124.7	27.1	148.9	795.8	136.9	32.2	161.4
	9	583.5	100.4	23.6	118.4	656.4	112.9	22.6	133.2	747.6	128.6	28.7	150.8	820.5	0.0	34.0	163.4
20	10	601.1	103.4	24.9	119.9	676.3	116.3	23.9	134.9	770.2	132.5	30.3	152.7	845.3	141.1	35.9	165.5
	11	618.7	106.4	26.3	121.4	696.1	119.7	25.2	136.6	792.8	136.4	31.9	154.5	870.1	145.4	37.8	167.5
	12	636.3	109.5	27.6	122.9	715.9	123.1	26.5	138.2	815.3	140.2	33.6	156.4	894.9	149.7	39.8	169.5
	13	654.0	112.5	29.0	124.3	735.7	126.5	27.9	139.9	837.9	144.1	35.3	158.3	919.6	153.9	41.9	171.6
	14	671.6	115.5	30.5	125.8	755.5	130.0	29.3	141.5	860.5	148.0	37.1	160.2	944.4	158.2	43.9	173.6
	15	689.2	118.5	31.9	127.3	775.3	133.4	30.7	143.2	883.0	151.9	38.9	162.0	969.2	162.4	46.0	175.6
	5	496.1	85.3	17.6	125.6	558.2	96.0	16.9	141.3	635.7	109.3	21.4	160.0	697.7	166.7	25.3	173.4
	6	513.6	88.3	18.7	127.2	577.8	99.4	18.0	143.1	658.1	113.2	22.8	161.9	722.3	120.0	27.0	175.5
	7	531.1	91.4	19.9	128.7	597.5	102.8	19.1	144.8	680.5	117.0	24.2	163.9	746.9	124.2	28.7	177.6
	8	548.6	94.4	21.1	130.2	617.2	106.2	20.2	146.5	702.9	120.9	25.7	165.8	771.5	128.5	30.4	179.7
	9	566.1	97.4	22.3	131.8	636.9	109.5	21.4	148.2	725.3	124.8	27.2	167.8	796.1	132.7	32.2	181.8
25	10	583.6	100.4	23.6	133.3	656.6	112.9	22.7	150.0	747.8	128.6	28.7	169.7	820.7	136.9	34.0	183.9
	11	601.1	103.4	24.9	134.8	676.2	116.3	23.9	151.7	770.2	132.5	30.3	171.7	845.3	141.2	35.9	186.0
	12	618.6	106.4	26.2	136.4	695.9	119.7	25.2	153.4	792.6	136.3	31.9	173.6	869.9	145.4	37.8	188.2
	13	636.1	109.4	27.6	137.9	715.6	123.1	26.5	155.1	815.0	140.2	33.6	175.5	894.5	149.6	39.8	190.3
	14	653.6	112.4	29.0	139.4	735.3	126.5	27.8	156.8	837.4	144.0	35.3	177.5	919.1	153.9	41.8	192.4
	15	671.1	115.4	30.4	140.9	755.0	129.9	29.2	158.6	859.8	147.9	37.0	179.4	943.7	158.1	43.9	194.5
	5	477.7	82.2	16.4	138.0	537.4	92.4	15.7	155.2	612.0	105.3	19.9	175.7	671.8	162.3	23.6	190.4
	6	495.0	85.1	17.5	139.6	556.9	95.8	16.8	157.0	634.3	109.1	21.3	177.7	696.1	115.5	25.2	192.6
	7	512.4	88.1	18.6	141.2	576.4	99.1	17.9	158.8	656.5	112.9	22.7	179.7	720.5	119.7	26.8	194.8
	8	529.7	91.1	19.8	142.7	595.9	102.5	19.0	160.6	678.7	116.7	24.1	181.7	744.9	123.9	28.5	197.0
	9	547.1	94.1	21.0	144.3	615.4	105.9	20.1	162.4	700.9	120.6	25.5	183.7	769.3	128.1	30.2	199.2
30	10	564.4	97.1	22.2	145.9	635.0	109.2	21.3	164.1	723.1	124.4	27.0	185.8	793.7	132.3	32.0	201.3
	11	581.7	100.1	23.5	147.5	654.5	112.6	22.5	165.9	745.4	128.2	28.5	187.8	818.1	136.5	33.8	203.5
	12	599.1	103.0	24.8	149.1	674.0	115.9	23.8	167.7	767.6	132.0	30.1	189.8	842.5	140.7	35.7	205.7
	13	616.4	106.0	26.1	150.7	693.5	119.3	25.0	169.5	789.8	135.8	31.7	191.8	866.9	144.9	37.6	207.9
	14	633.8	109.0	27.4	152.2	713.0	122.6	26.3	171.3	812.0	139.7	33.4	193.8	891.2	149.1	39.5	210.1
	15	651.1	112.0	28.8	153.8	732.5	126.0	27.7	173.1	834.2	143.5	35.0	195.8	915.6	153.3	41.5	212.3
	5	446.5	76.8	14.5	149.6	502.3	86.4	13.9	168.3	572.1	98.4	17.6	190.5	627.9	157.5	20.9	206.4
	6	463.3	79.7	15.5	151.2	521.2	89.6	14.9	170.1	593.5	102.1	18.9	192.5	651.5	108.0	22.3	208.7
	7	**480.0**	**82.6**	**16.6**	**152.9**	**540.0**	**92.9**	**15.9**	**172.0**	**615.0**	**105.8**	**20.1**	**194.6**	**675.0**	**112.1**	**23.8**	**210.9**
	8	496.7	85.4	17.6	154.5	558.8	96.1	16.9	173.8	636.5	109.5	21.4	196.7	698.5	116.1	25.4	213.2
	9	513.5	88.3	18.7	156.1	577.7	99.4	17.9	175.6	657.9	113.2	22.7	198.8	722.1	120.1	26.9	215.4
35	10	530.2	91.2	19.8	157.8	596.5	102.6	19.0	177.5	679.4	116.8	24.1	200.8	745.6	124.2	28.6	217.7
	11	547.0	94.1	21.0	159.4	615.3	105.8	20.1	179.3	700.8	120.5	25.5	202.9	769.2	128.2	30.2	219.9
	12	563.7	97.0	22.2	161.0	634.2	109.1	21.3	181.1	722.3	124.2	27.0	205.0	792.7	132.3	31.9	222.2
	13	580.5	99.8	23.4	162.6	653.0	112.3	22.4	183.0	743.7	127.9	28.4	207.1	816.3	136.3	33.7	224.4
	14	597.2	102.7	24.6	164.3	671.8	115.6	23.6	184.8	765.2	131.6	29.9	209.1	839.8	140.4	35.5	226.7
	15	613.9	105.6	25.9	165.9	690.7	118.8	24.8	186.6	786.6	135.3	31.5	211.2	863.4	144.4	37.3	228.9

		3 x RCME-60AH2				3 x RCME-70AH2				3 x RCME-80AH2				3 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	415.3	71.4	12.7	164.6	467.3	80.4	12.2	185.2	532.2	91.5	15.5	209.5	584.1	148.5	18.3	227.1
	6	431.5	74.2	13.7	166.3	485.4	83.5	13.1	187.1	552.8	95.1	16.6	211.7	606.8	100.5	19.6	229.5
	7	447.6	77.0	14.6	168.0	503.6	86.6	14.0	189.0	573.5	98.6	17.7	213.9	629.5	104.4	21.0	231.8
	8	463.8	79.8	15.6	169.7	521.7	89.7	14.9	190.9	594.2	102.2	18.9	216.1	652.2	108.3	22.4	234.2
	9	479.9	82.5	16.6	171.4	539.9	92.9	15.9	192.9	614.9	105.8	20.1	218.3	674.9	112.2	23.8	236.6
	10	496.1	85.3	17.6	173.2	558.1	96.0	16.9	194.8	635.6	109.3	21.4	220.5	697.6	116.1	25.3	238.9
	11	512.2	88.1	18.6	174.9	576.2	99.1	17.9	196.7	656.2	112.9	22.6	222.6	720.3	120.0	26.8	241.3
	12	528.3	90.9	19.7	176.6	594.4	102.2	18.9	198.7	676.9	116.4	24.0	224.8	743.0	123.9	28.4	243.7
	13	544.5	93.7	20.8	178.3	612.5	105.4	20.0	200.6	697.6	120.0	25.3	227.0	765.7	127.8	30.0	246.0
	14	560.6	96.4	22.0	180.0	630.7	108.5	21.1	202.5	718.3	123.5	26.7	229.2	788.4	131.7	31.6	248.4
	15	576.8	99.2	23.1	181.7	648.9	111.6	22.2	204.5	739.0	127.1	28.1	231.4	811.1	135.6	33.3	250.8
43	5	396.6	68.2	11.7	173.6	446.2	76.7	11.2	195.3	508.2	87.4	14.2	221.0	557.8	139.5	16.8	239.5
	6	412.4	70.9	12.6	175.3	464.0	79.8	12.0	197.2	528.4	90.9	15.3	223.2	580.0	95.9	18.1	241.9
	7	428.2	73.7	13.5	177.1	481.7	82.9	12.9	199.2	548.6	94.4	16.3	225.5	602.2	99.8	19.4	244.4
	8	444.0	76.4	14.4	178.9	499.5	85.9	13.8	201.2	568.9	97.8	17.4	227.7	624.3	103.6	20.7	246.8
	9	459.8	79.1	15.3	180.6	517.2	89.0	14.7	203.2	589.1	101.3	18.6	230.0	646.5	107.4	22.0	249.3
	10	475.5	81.8	16.3	182.4	535.0	92.0	15.6	205.2	609.3	104.8	19.8	232.2	668.7	111.2	23.4	251.7
	11	491.3	84.5	17.3	184.2	552.7	95.1	16.6	207.2	629.5	108.3	21.0	234.5	690.9	115.0	24.9	254.1
	12	507.1	87.2	18.3	185.9	570.5	98.1	17.5	209.2	649.7	111.8	22.2	236.7	713.1	118.8	26.3	256.6
	13	522.9	89.9	19.3	187.7	588.3	101.2	18.5	211.2	670.0	115.2	23.5	239.0	735.3	122.7	27.8	259.0
	14	538.7	92.7	20.4	189.5	606.0	104.2	19.6	213.2	690.2	118.7	24.8	241.2	757.5	126.5	29.4	261.4
	15	554.5	95.4	21.5	191.2	623.8	107.3	20.6	215.1	710.4	122.2	26.2	243.5	779.7	130.3	31.0	263.9
46	5	377.9	65.0	10.7	182.5	425.2	73.1	10.3	205.4	484.2	83.3	13.0	232.4	531.5	134.1	15.4	251.9
	6	393.4	67.7	11.5	184.4	442.5	76.1	11.0	207.4	504.0	86.7	14.0	234.7	553.1	91.4	16.6	254.4
	7	408.8	70.3	12.4	186.2	459.9	79.1	11.8	209.5	523.7	90.1	15.0	237.0	574.8	95.1	17.8	256.9
	8	424.2	73.0	13.2	188.0	477.2	82.1	12.7	211.5	543.5	93.5	16.1	239.4	596.5	98.9	19.0	259.4
	9	439.6	75.6	14.1	189.8	494.6	85.1	13.5	213.6	563.3	96.9	17.1	241.7	618.2	102.6	20.3	261.9
	10	455.0	78.3	15.0	191.6	511.9	88.1	14.4	215.6	583.0	100.3	18.2	244.0	639.9	106.3	21.6	264.4
	11	470.5	80.9	16.0	193.5	529.3	91.0	15.3	217.6	602.8	103.7	19.4	246.3	661.6	110.1	23.0	267.0
	12	485.9	83.6	16.9	195.3	546.6	94.0	16.2	219.7	622.5	107.1	20.6	248.6	683.3	113.8	24.4	269.5
	13	501.3	86.2	17.9	197.1	564.0	97.0	17.2	221.7	642.3	110.5	21.8	250.9	705.0	117.5	25.8	272.0
	14	516.7	88.9	18.9	198.9	581.3	100.0	18.2	223.8	662.1	113.9	23.0	253.3	726.7	121.3	27.3	274.5
	15	532.2	91.5	20.0	200.7	598.7	103.0	19.2	225.8	681.8	117.3	24.3	255.6	748.3	125.0	28.8	277.0

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		3 x RCME-120AH2				3 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
25	5	1026.1	176.5	18.7	225.1	1154.3	198.5	17.9	253.2
	6	1061.3	182.5	19.9	228.0	1194.0	205.4	19.1	256.5
	7	1096.5	188.6	21.1	231.0	1233.6	212.2	20.2	259.8
	8	1131.8	194.7	22.3	233.9	1273.2	219.0	21.4	263.2
	9	1167.0	200.7	23.6	236.9	1312.9	225.8	22.6	266.5
	10	1202.2	206.8	24.9	239.8	1352.5	232.6	23.9	269.8
	11	1237.5	212.8	26.3	242.8	1392.1	239.4	25.2	273.1
	12	1272.7	218.9	27.6	245.7	1431.8	246.3	26.5	276.4
	13	1307.9	225.0	29.0	248.7	1471.4	253.1	27.9	279.8
	14	1343.2	231.0	30.5	251.6	1511.1	259.9	29.3	283.1
	15	1378.4	237.1	31.9	254.6	1550.7	266.7	30.7	286.4
25	5	992.3	170.7	17.6	251.3	1116.3	192.0	16.9	282.7
	6	1027.3	176.7	18.7	254.3	1155.7	198.8	18.0	286.1
	7	1062.3	182.7	19.9	257.4	1195.0	205.5	19.1	289.6
	8	1097.3	188.7	21.1	260.5	1234.4	212.3	20.2	293.0
	9	1132.2	194.7	22.3	263.5	1273.8	219.1	21.4	296.5
	10	1167.2	200.8	23.6	266.6	1313.1	225.9	22.7	299.9
	11	1202.2	206.8	24.9	269.7	1352.5	232.6	23.9	303.4
	12	1237.2	212.8	26.2	272.7	1391.9	239.4	25.2	306.8
	13	1272.2	218.8	27.6	275.8	1431.2	246.2	26.5	310.2
	14	1307.2	224.8	29.0	278.8	1470.6	252.9	27.8	313.7
	15	1342.2	230.9	30.4	281.9	1509.9	259.7	29.2	317.1
30	5	955.4	164.3	16.4	276.0	1074.8	184.9	15.7	310.5
	6	990.1	170.3	17.5	279.2	1113.8	191.6	16.8	314.1
	7	1024.8	176.3	18.6	282.3	1152.8	198.3	17.9	317.6
	8	1059.4	182.2	19.8	285.5	1191.9	205.0	19.0	321.2
	9	1094.1	188.2	21.0	288.7	1230.9	211.7	20.1	324.7
	10	1128.8	194.2	22.2	291.8	1269.9	218.4	21.3	328.3
	11	1163.5	200.1	23.5	295.0	1308.9	225.1	22.5	331.9
	12	1198.2	206.1	24.8	298.2	1347.9	231.8	23.8	335.4
	13	1232.9	212.1	26.1	301.3	1387.0	238.6	25.0	339.0
	14	1267.5	218.0	27.4	304.5	1426.0	245.3	26.3	342.5
	15	1302.2	224.0	28.8	307.6	1465.0	252.0	27.7	346.1
35	5	893.0	153.6	14.5	299.2	1004.7	172.8	13.9	336.6
	6	926.5	159.4	15.5	302.5	1042.3	179.3	14.9	340.3
	7	**960.0**	**165.1**	**16.6**	**305.7**	**1080.0**	**185.8**	**15.9**	**343.9**
	8	993.5	170.9	17.6	309.0	1117.7	192.2	16.9	347.6
	9	1027.0	176.6	18.7	312.3	1155.3	198.7	17.9	351.3
	10	1060.5	182.4	19.8	315.5	1193.0	205.2	19.0	355.0
	11	1093.9	188.2	21.0	318.8	1230.7	211.7	20.1	358.6
	12	1127.4	193.9	22.2	322.0	1268.4	218.2	21.3	362.3
	13	1160.9	199.7	23.4	325.3	1306.0	224.6	22.4	366.0
	14	1194.4	205.4	24.6	328.6	1343.7	231.1	23.6	369.6
	15	1227.9	211.2	25.9	331.8	1381.4	237.6	24.8	373.3

		3 x RCME-120AH2				3 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	830.7	142.9	12.7	329.2	934.5	160.7	12.2	370.3
	6	863.0	148.4	13.7	332.6	970.8	167.0	13.1	374.2
	7	895.2	154.0	14.6	336.0	1007.2	173.2	14.0	378.0
	8	927.5	159.5	15.6	339.5	1043.5	179.5	14.9	381.9
	9	959.8	165.1	16.6	342.9	1079.8	185.7	15.9	385.7
	10	992.1	170.6	17.6	346.3	1116.1	192.0	16.9	389.6
	11	1024.4	176.2	18.6	349.8	1152.4	198.2	17.9	393.5
	12	1056.7	181.7	19.7	353.2	1188.8	204.5	18.9	397.3
	13	1089.0	187.3	20.8	356.6	1225.1	210.7	20.0	401.2
	14	1121.2	192.9	22.0	360.0	1261.4	217.0	21.1	405.1
	15	1153.5	198.4	23.1	363.5	1297.7	223.2	22.2	408.9
43	5	793.3	136.4	11.7	347.1	892.4	153.5	11.2	390.5
	6	824.8	141.9	12.6	350.7	927.9	159.6	12.0	394.5
	7	856.4	147.3	13.5	354.2	963.4	165.7	12.9	398.5
	8	888.0	152.7	14.4	357.7	999.0	171.8	13.8	402.5
	9	919.5	158.2	15.3	361.3	1034.5	177.9	14.7	406.4
	10	951.1	163.6	16.3	364.8	1070.0	184.0	15.6	410.4
	11	982.7	169.0	17.3	368.3	1105.5	190.1	16.6	414.4
	12	1014.2	174.4	18.3	371.9	1141.0	196.3	17.5	418.4
	13	1045.8	179.9	19.3	375.4	1176.5	202.4	18.5	422.3
	14	1077.4	185.3	20.4	378.9	1212.0	208.5	19.6	426.3
	15	1108.9	190.7	21.5	382.5	1247.5	214.6	20.6	430.3
46	5	755.9	130.0	10.7	365.1	850.3	146.3	10.3	410.7
	6	786.7	135.3	11.5	368.7	885.0	152.2	11.0	414.8
	7	817.5	140.6	12.4	372.4	919.7	158.2	11.8	418.9
	8	848.4	145.9	13.2	376.0	954.4	164.2	12.7	423.0
	9	879.2	151.2	14.1	379.7	989.1	170.1	13.5	427.1
	10	910.1	156.5	15.0	383.3	1023.8	176.1	14.4	431.2
	11	940.9	161.8	16.0	386.9	1058.5	182.1	15.3	435.3
	12	971.8	167.1	16.9	390.6	1093.2	188.0	16.2	439.4
	13	1002.6	172.4	17.9	394.2	1127.9	194.0	17.2	443.5
	14	1033.5	177.8	18.9	397.8	1162.6	200.0	18.2	447.6
	15	1064.3	183.1	20.0	401.5	1197.3	205.9	19.2	451.7

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 4 Modules

(Pump not included)

		4 x RCME-60AH2				4 x RCME-70AH2				4 x RCME-80AH2				4 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	684.1	117.7	18.7	150.0	769.6	132.4	17.9	168.8	876.4	150.7	22.7	191.0	962.0	165.5	26.9	207.0
	6	707.5	121.7	19.9	152.0	796.0	136.9	19.1	171.0	906.5	155.9	24.1	193.5	995.0	171.1	28.6	209.8
	7	731.0	125.7	21.1	154.0	822.4	141.5	20.2	173.2	936.6	161.1	25.6	196.0	1028.0	176.8	30.4	212.5
	8	754.5	129.8	22.3	155.9	848.8	146.0	21.4	175.4	966.7	166.3	27.1	198.5	1061.0	182.5	32.2	215.2
	9	778.0	133.8	23.6	157.9	875.3	150.5	22.6	177.7	996.8	171.5	28.7	201.0	1094.1	0.0	34.0	217.9
	10	801.5	137.9	24.9	159.9	901.7	155.1	23.9	179.9	1026.9	176.6	30.3	203.5	1127.1	188.2	35.9	220.6
	11	825.0	141.9	26.3	161.8	928.1	159.6	25.2	182.1	1057.0	181.8	31.9	206.1	1160.1	193.9	37.8	223.3
	12	848.5	145.9	27.6	163.8	954.5	164.2	26.5	184.3	1087.1	187.0	33.6	208.6	1193.2	199.5	39.8	226.0
	13	872.0	150.0	29.0	165.8	980.9	168.7	27.9	186.5	1117.2	192.2	35.3	211.1	1226.2	205.2	41.9	228.8
	14	895.4	154.0	30.5	167.7	1007.4	173.3	29.3	188.7	1147.3	197.3	37.1	213.6	1259.2	210.9	43.9	231.5
	15	918.9	158.1	31.9	169.7	1033.8	177.8	30.7	190.9	1177.4	202.5	38.9	216.1	1292.2	216.6	46.0	234.2
25	5	661.5	113.8	17.6	167.5	744.2	128.0	16.9	188.5	847.6	145.8	21.4	213.3	930.3	222.3	25.3	231.2
	6	684.9	117.8	18.7	169.6	770.5	132.5	18.0	190.8	877.5	150.9	22.8	215.9	963.1	160.0	27.0	234.0
	7	708.2	121.8	19.9	171.6	796.7	137.0	19.1	193.1	907.4	156.1	24.2	218.5	995.9	165.6	28.7	236.8
	8	731.5	125.8	21.1	173.6	822.9	141.5	20.2	195.4	937.2	161.2	25.7	221.1	1028.7	171.3	30.4	239.6
	9	754.8	129.8	22.3	175.7	849.2	146.1	21.4	197.6	967.1	166.3	27.2	223.7	1061.5	176.9	32.2	242.4
	10	778.2	133.8	23.6	177.7	875.4	150.6	22.7	199.9	997.0	171.5	28.7	226.3	1094.3	182.6	34.0	245.2
	11	801.5	137.9	24.9	179.8	901.7	155.1	23.9	202.2	1026.9	176.6	30.3	228.9	1127.1	188.2	35.9	248.1
	12	824.8	141.9	26.2	181.8	927.9	159.6	25.2	204.5	1056.8	181.8	31.9	231.5	1159.9	193.9	37.8	250.9
	13	848.1	145.9	27.6	183.8	954.1	164.1	26.5	206.8	1086.7	186.9	33.6	234.1	1192.7	199.5	39.8	253.7
	14	871.5	149.9	29.0	185.9	980.4	168.6	27.8	209.1	1116.5	192.0	35.3	236.7	1225.5	205.1	41.8	256.5
	15	894.8	153.9	30.4	187.9	1006.6	173.1	29.2	211.4	1146.4	197.2	37.0	239.3	1258.3	210.8	43.9	259.3
30	5	636.9	109.6	16.4	184.0	716.5	123.2	15.7	207.0	816.1	140.4	19.9	234.3	895.7	216.4	23.6	253.9
	6	660.0	113.5	17.5	186.1	742.6	127.7	16.8	209.4	845.7	145.5	21.3	236.9	928.2	154.1	25.2	256.8
	7	683.2	117.5	18.6	188.2	768.6	132.2	17.9	211.7	875.3	150.6	22.7	239.6	960.7	159.6	26.8	259.7
	8	706.3	121.5	19.8	190.3	794.6	136.7	19.0	214.1	904.9	155.6	24.1	242.3	993.2	165.2	28.5	262.6
	9	729.4	125.5	21.0	192.4	820.6	141.1	20.1	216.5	934.6	160.7	25.5	245.0	1025.7	170.8	30.2	265.5
	10	752.5	129.4	22.2	194.5	846.6	145.6	21.3	218.9	964.2	165.8	27.0	247.7	1058.3	176.4	32.0	268.5
	11	775.7	133.4	23.5	196.7	872.6	150.1	22.5	221.2	993.8	170.9	28.5	250.4	1090.8	182.0	33.8	271.4
	12	798.8	137.4	24.8	198.8	898.6	154.6	23.8	223.6	1023.4	176.0	30.1	253.1	1123.3	187.6	35.7	274.3
	13	821.9	141.4	26.1	200.9	924.6	159.0	25.0	226.0	1053.1	181.1	31.7	255.7	1155.8	193.2	37.6	277.2
	14	845.0	145.3	27.4	203.0	950.7	163.5	26.3	228.4	1082.7	186.2	33.4	258.4	1188.3	198.8	39.5	280.1
	15	868.2	149.3	28.8	205.1	976.7	168.0	27.7	230.7	1112.3	191.3	35.0	261.1	1220.8	204.4	41.5	283.0

		4 x RCME-60AH2				4 x RCME-70AH2				4 x RCME-80AH2				4 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	595.4	102.4	14.5	199.5	669.8	115.2	13.9	224.4	762.8	131.2	17.6	254.0	837.2	210.0	20.9	275.3
	6	617.7	106.2	15.5	201.6	694.9	119.5	14.9	226.9	791.4	136.1	18.9	256.7	868.6	144.0	22.3	278.3
	7	**640.0**	**110.1**	**16.6**	**203.8**	**720.0**	**123.8**	**15.9**	**229.3**	**820.0**	**141.0**	**20.1**	**259.5**	**900.0**	**149.4**	**23.8**	**281.3**
	8	662.3	113.9	17.6	206.0	745.1	128.2	16.9	231.7	848.6	146.0	21.4	262.3	931.4	154.8	25.4	284.2
	9	684.6	117.8	18.7	208.2	770.2	132.5	17.9	234.2	877.2	150.9	22.7	265.0	962.8	160.2	26.9	287.2
35	10	707.0	121.6	19.8	210.3	795.3	136.8	19.0	236.6	905.8	155.8	24.1	267.8	994.2	165.6	28.6	290.2
	11	729.3	125.4	21.0	212.5	820.5	141.1	20.1	239.1	934.4	160.7	25.5	270.6	1025.6	171.0	30.2	293.2
	12	751.6	129.3	22.2	214.7	845.6	145.4	21.3	241.5	963.0	165.6	27.0	273.3	1057.0	176.4	31.9	296.2
	13	773.9	133.1	23.4	216.9	870.7	149.8	22.4	244.0	991.6	170.6	28.4	276.1	1088.4	181.8	33.7	299.2
	14	796.3	137.0	24.6	219.0	895.8	154.1	23.6	246.4	1020.2	175.5	29.9	278.9	1119.7	187.2	35.5	302.2
	15	818.6	140.8	25.9	221.2	920.9	158.4	24.8	248.9	1048.8	180.4	31.5	281.6	1151.1	192.6	37.3	305.2
	5	553.8	95.3	12.7	219.4	623.0	107.2	12.2	246.9	709.5	122.0	15.5	279.4	778.8	198.0	18.3	302.8
	6	575.3	99.0	13.7	221.7	647.2	111.3	13.1	249.4	737.1	126.8	16.6	282.3	809.0	133.9	19.6	306.0
	7	596.8	102.7	14.6	224.0	671.4	115.5	14.0	252.0	764.7	131.5	17.7	285.2	839.3	139.2	21.0	309.1
	8	618.4	106.4	15.6	226.3	695.6	119.7	14.9	254.6	792.3	136.3	18.9	288.1	869.6	144.4	22.4	312.3
	9	639.9	110.1	16.6	228.6	719.9	123.8	15.9	257.2	819.8	141.0	20.1	291.0	899.8	149.6	23.8	315.4
40	10	661.4	113.8	17.6	230.9	744.1	128.0	16.9	259.7	847.4	145.8	21.4	293.9	930.1	154.8	25.3	318.6
	11	682.9	117.5	18.6	233.2	768.3	132.1	17.9	262.3	875.0	150.5	22.6	296.9	960.4	160.0	26.8	321.7
	12	704.4	121.2	19.7	235.5	792.5	136.3	18.9	264.9	902.6	155.2	24.0	299.8	990.6	165.2	28.4	324.9
	13	726.0	124.9	20.8	237.7	816.7	140.5	20.0	267.5	930.2	160.0	25.3	302.7	1020.9	170.4	30.0	328.1
	14	747.5	128.6	22.0	240.0	840.9	144.6	21.1	270.0	957.7	164.7	26.7	305.6	1051.2	175.6	31.6	331.2
	15	769.0	132.3	23.1	242.3	865.1	148.8	22.2	272.6	985.3	169.5	28.1	308.5	1081.4	180.8	33.3	334.4
	5	528.8	91.0	11.7	231.4	595.0	102.3	11.2	260.3	677.6	116.5	14.2	294.6	743.7	186.0	16.8	319.3
	6	549.9	94.6	12.6	233.8	618.6	106.4	12.0	263.0	704.5	121.2	15.3	297.6	773.3	127.9	18.1	322.6
	7	570.9	98.2	13.5	236.1	642.3	110.5	12.9	265.7	731.5	125.8	16.3	300.6	802.9	133.0	19.4	325.8
	8	592.0	101.8	14.4	238.5	666.0	114.5	13.8	268.3	758.5	130.5	17.4	303.6	832.5	138.1	20.7	329.1
	9	613.0	105.4	15.3	240.8	689.6	118.6	14.7	271.0	785.4	135.1	18.6	306.6	862.1	143.2	22.0	332.3
43	10	634.1	109.1	16.3	243.2	713.3	122.7	15.6	273.6	812.4	139.7	19.8	309.6	891.6	148.3	23.4	335.6
	11	655.1	112.7	17.3	245.6	737.0	126.8	16.6	276.3	839.4	144.4	21.0	312.6	921.2	153.4	24.9	338.8
	12	676.1	116.3	18.3	247.9	760.7	130.8	17.5	278.9	866.3	149.0	22.2	315.6	950.8	158.5	26.3	342.1
	13	697.2	119.9	19.3	250.3	784.3	134.9	18.5	281.6	893.3	153.6	23.5	318.6	980.4	163.5	27.8	345.3
	14	718.2	123.5	20.4	252.6	808.0	139.0	19.6	284.2	920.2	158.3	24.8	321.6	1010.0	168.6	29.4	348.6
	15	739.3	127.2	21.5	255.0	831.7	143.1	20.6	286.9	947.2	162.9	26.2	324.6	1039.6	173.7	31.0	351.9
	5	503.9	86.7	10.7	243.4	566.9	97.5	10.3	273.8	645.6	111.0	13.0	309.9	708.6	178.8	15.4	335.9
	6	524.5	90.2	11.5	245.8	590.0	101.5	11.0	276.6	672.0	115.6	14.0	313.0	737.5	121.9	16.6	339.2
	7	545.0	93.7	12.4	248.3	613.2	105.5	11.8	279.3	698.3	120.1	15.0	316.1	766.4	126.9	17.8	342.6
	8	565.6	97.3	13.2	250.7	636.3	109.4	12.7	282.0	724.7	124.6	16.1	319.1	795.4	131.8	19.0	345.9
	9	586.2	100.8	14.1	253.1	659.4	113.4	13.5	284.7	751.0	129.2	17.1	322.2	824.3	136.8	20.3	349.2
46	10	606.7	104.4	15.0	255.5	682.6	117.4	14.4	287.5	777.4	133.7	18.2	325.3	853.2	141.8	21.6	352.6
	11	627.3	107.9	16.0	258.0	705.7	121.4	15.3	290.2	803.7	138.2	19.4	328.4	882.1	146.8	23.0	355.9
	12	647.8	111.4	16.9	260.4	728.8	125.4	16.2	292.9	830.1	142.8	20.6	331.5	911.0	151.7	24.4	359.3
	13	668.4	115.0	17.9	262.8	752.0	129.3	17.2	295.7	856.4	147.3	21.8	334.6	940.0	156.7	25.8	362.6
	14	689.0	118.5	18.9	265.2	775.1	133.3	18.2	298.4	882.7	151.8	23.0	337.7	968.9	161.7	27.3	366.0
	15	709.5	122.0	20.0	267.7	798.2	137.3	19.2	301.1	909.1	156.4	24.3	340.8	997.8	166.6	28.8	369.3

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		4 x RCME-120AH2				4 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
25	5	1368.1	235.3	18.7	300.1	1539.1	264.7	17.9	337.6
	6	1415.1	243.4	19.9	304.0	1592.0	273.8	19.1	342.0
	7	1462.1	251.5	21.1	308.0	1644.8	282.9	20.2	346.5
	8	1509.0	259.6	22.3	311.9	1697.7	292.0	21.4	350.9
	9	1556.0	267.6	23.6	315.8	1750.5	301.1	22.6	355.3
	10	1603.0	275.7	24.9	319.8	1803.4	310.2	23.9	359.7
	11	1650.0	283.8	26.3	323.7	1856.2	319.3	25.2	364.2
	12	1696.9	291.9	27.6	327.6	1909.0	328.4	26.5	368.6
	13	1743.9	300.0	29.0	331.6	1961.9	337.4	27.9	373.0
	14	1790.9	308.0	30.5	335.5	2014.7	346.5	29.3	377.4
	15	1837.9	316.1	31.9	339.4	2067.6	355.6	30.7	381.8
25	5	1323.1	227.6	17.6	335.0	1488.4	256.0	16.9	376.9
	6	1369.7	235.6	18.7	339.1	1540.9	265.0	18.0	381.5
	7	1416.4	243.6	19.9	343.2	1593.4	274.1	19.1	386.1
	8	1463.0	251.6	21.1	347.3	1645.9	283.1	20.2	390.7
	9	1509.7	259.7	22.3	351.4	1698.4	292.1	21.4	395.3
	10	1556.3	267.7	23.6	355.5	1750.8	301.1	22.7	399.9
	11	1603.0	275.7	24.9	359.5	1803.3	310.2	23.9	404.5
	12	1649.6	283.7	26.2	363.6	1855.8	319.2	25.2	409.1
	13	1696.3	291.8	27.6	367.7	1908.3	328.2	26.5	413.7
	14	1742.9	299.8	29.0	371.8	1960.8	337.3	27.8	418.3
	15	1789.6	307.8	30.4	375.9	2013.3	346.3	29.2	422.8
30	5	1273.8	219.1	16.4	368.0	1433.1	246.5	15.7	414.0
	6	1320.1	227.1	17.5	372.2	1485.1	255.4	16.8	418.7
	7	1366.3	235.0	18.6	376.4	1537.1	264.4	17.9	423.5
	8	1412.6	243.0	19.8	380.7	1589.2	273.3	19.0	428.2
	9	1458.8	250.9	21.0	384.9	1641.2	282.3	20.1	433.0
	10	1505.1	258.9	22.2	389.1	1693.2	291.2	21.3	437.7
	11	1551.3	266.8	23.5	393.3	1745.2	300.2	22.5	442.5
	12	1597.6	274.8	24.8	397.5	1797.3	309.1	23.8	447.2
	13	1643.8	282.7	26.1	401.8	1849.3	318.1	25.0	452.0
	14	1690.1	290.7	27.4	406.0	1901.3	327.0	26.3	456.7
	15	1736.3	298.6	28.8	410.2	1953.3	336.0	27.7	461.5
35	5	1190.7	204.8	14.5	399.0	1339.5	230.4	13.9	448.8
	6	1235.4	212.5	15.5	403.3	1389.8	239.0	14.9	453.7
	7	**1280.0**	**220.2**	**16.6**	**407.6**	**1440.0**	**247.7**	**15.9**	**458.6**
	8	1324.6	227.8	17.6	412.0	1490.2	256.3	16.9	463.5
	9	1369.3	235.5	18.7	416.3	1540.5	265.0	17.9	468.4
	10	1413.9	243.2	19.8	420.7	1590.7	273.6	19.0	473.3
	11	1458.6	250.9	21.0	425.0	1640.9	282.2	20.1	478.2
	12	1503.2	258.6	22.2	429.4	1691.1	290.9	21.3	483.0
	13	1547.9	266.2	23.4	433.7	1741.4	299.5	22.4	487.9
	14	1592.5	273.9	24.6	438.1	1791.6	308.2	23.6	492.8
	15	1637.2	281.6	25.9	442.4	1841.8	316.8	24.8	497.7

		4 x RCME-120AH2				4 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1107.6	190.5	12.7	438.9	1246.0	214.3	12.2	493.7
	6	1150.6	197.9	13.7	443.5	1294.4	222.6	13.1	498.9
	7	1193.7	205.3	14.6	448.0	1342.9	231.0	14.0	504.0
	8	1236.7	212.7	15.6	452.6	1391.3	239.3	14.9	509.2
	9	1279.8	220.1	16.6	457.2	1439.7	247.6	15.9	514.3
	10	1322.8	227.5	17.6	461.8	1488.2	256.0	16.9	519.5
	11	1365.8	234.9	18.6	466.3	1536.6	264.3	17.9	524.6
	12	1408.9	242.3	19.7	470.9	1585.0	272.6	18.9	529.8
	13	1451.9	249.7	20.8	475.5	1633.4	281.0	20.0	534.9
	14	1495.0	257.1	22.0	480.1	1681.9	289.3	21.1	540.1
	15	1538.0	264.5	23.1	484.6	1730.3	297.6	22.2	545.2
43	5	1057.7	181.9	11.7	462.8	1189.9	204.7	11.2	520.7
	6	1099.8	189.2	12.6	467.6	1237.2	212.8	12.0	526.0
	7	1141.9	196.4	13.5	472.3	1284.6	221.0	12.9	531.3
	8	1183.9	203.6	14.4	477.0	1331.9	229.1	13.8	536.6
	9	1226.0	210.9	15.3	481.7	1379.3	237.2	14.7	541.9
	10	1268.1	218.1	16.3	486.4	1426.6	245.4	15.6	547.2
	11	1310.2	225.4	17.3	491.1	1474.0	253.5	16.6	552.5
	12	1352.3	232.6	18.3	495.8	1521.3	261.7	17.5	557.8
	13	1394.4	239.8	19.3	500.5	1568.7	269.8	18.5	563.1
	14	1436.5	247.1	20.4	505.3	1616.0	278.0	19.6	568.4
	15	1478.6	254.3	21.5	510.0	1663.4	286.1	20.6	573.7
46	5	1007.8	173.3	10.7	486.8	1133.8	195.0	10.3	547.6
	6	1048.9	180.4	11.5	491.6	1180.1	203.0	11.0	553.1
	7	1090.1	187.5	12.4	496.5	1226.3	210.9	11.8	558.6
	8	1131.2	194.6	13.2	501.4	1272.6	218.9	12.7	564.0
	9	1172.3	201.6	14.1	506.2	1318.9	226.8	13.5	569.5
	10	1213.4	208.7	15.0	511.1	1365.1	234.8	14.4	574.9
	11	1254.6	215.8	16.0	515.9	1411.4	242.8	15.3	580.4
	12	1295.7	222.9	16.9	520.8	1457.7	250.7	16.2	585.8
	13	1336.8	229.9	17.9	525.6	1503.9	258.7	17.2	591.3
	14	1377.9	237.0	18.9	530.5	1550.2	266.6	18.2	596.8
	15	1419.1	244.1	20.0	535.3	1596.5	274.6	19.2	602.2

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 5 Modules

(Pump not included)

		5 x RCME-60AH2				5 x RCME-70AH2				5 x RCME-80AH2				5 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	855.1	147.1	18.7	187.6	962.0	165.5	17.9	211.0	1095.6	188.4	22.7	238.8	1202.4	206.8	26.9	258.8
	6	884.4	152.1	19.9	190.0	995.0	171.1	19.1	213.8	1133.2	194.9	24.1	241.9	1243.7	213.9	28.6	262.2
	7	913.8	157.2	21.1	192.5	1028.0	176.8	20.2	216.5	1170.8	201.4	25.6	245.0	1285.0	221.0	30.4	265.6
	8	943.1	162.2	22.3	194.9	1061.0	182.5	21.4	219.3	1208.4	207.8	27.1	248.2	1326.3	228.1	32.2	269.0
	9	972.5	167.3	23.6	197.4	1094.1	188.2	22.6	222.1	1246.0	214.3	28.7	251.3	1367.6	0.0	34.0	272.4
	10	1001.9	172.3	24.9	199.8	1127.1	193.9	23.9	224.8	1283.6	220.8	30.3	254.4	1408.9	235.2	35.9	275.8
	11	1031.2	177.4	26.3	202.3	1160.1	199.5	25.2	227.6	1321.3	227.3	31.9	257.6	1450.2	242.3	37.8	279.2
	12	1060.6	182.4	27.6	204.8	1193.2	205.2	26.5	230.4	1358.9	233.7	33.6	260.7	1491.4	249.4	39.8	282.6
	13	1089.9	187.5	29.0	207.2	1226.2	210.9	27.9	233.1	1396.5	240.2	35.3	263.8	1532.7	256.5	41.9	285.9
	14	1119.3	192.5	30.5	209.7	1259.2	216.6	29.3	235.9	1434.1	246.7	37.1	267.0	1574.0	263.6	43.9	289.3
	15	1148.7	197.6	31.9	212.1	1292.2	222.3	30.7	238.7	1471.7	253.1	38.9	270.1	1615.3	270.7	46.0	292.7
25	5	826.9	142.2	17.6	209.4	930.3	160.0	16.9	235.6	1059.5	182.2	21.4	266.6	1162.8	277.8	25.3	289.0
	6	856.1	147.2	18.7	212.0	963.1	165.6	18.0	238.4	1096.8	188.7	22.8	269.8	1203.8	200.0	27.0	292.5
	7	885.2	152.3	19.9	214.5	995.9	171.3	19.1	241.3	1134.2	195.1	24.2	273.1	1244.8	207.1	28.7	296.0
	8	914.4	157.3	21.1	217.1	1028.7	176.9	20.2	244.2	1171.5	201.5	25.7	276.3	1285.8	214.1	30.4	299.5
	9	943.5	162.3	22.3	219.6	1061.5	182.6	21.4	247.1	1208.9	207.9	27.2	279.6	1326.8	221.2	32.2	303.0
	10	972.7	167.3	23.6	222.2	1094.3	188.2	22.7	249.9	1246.3	214.4	28.7	282.8	1367.8	228.2	34.0	306.6
	11	1001.8	172.3	24.9	224.7	1127.1	193.9	23.9	252.8	1283.6	220.8	30.3	286.1	1408.8	235.3	35.9	310.1
	12	1031.0	177.3	26.2	227.3	1159.9	199.5	25.2	255.7	1321.0	227.2	31.9	289.3	1449.8	242.3	37.8	313.6
	13	1060.2	182.3	27.6	229.8	1192.7	205.1	26.5	258.5	1358.3	233.6	33.6	292.6	1490.9	249.4	39.8	317.1
	14	1089.3	187.4	29.0	232.4	1225.5	210.8	27.8	261.4	1395.7	240.1	35.3	295.8	1531.9	256.4	41.8	320.6
	15	1118.5	192.4	30.4	234.9	1258.3	216.4	29.2	264.3	1433.0	246.5	37.0	299.1	1572.9	263.5	43.9	324.2
30	5	796.2	136.9	16.4	230.0	895.7	154.1	15.7	258.7	1020.1	175.5	19.9	292.8	1119.6	270.5	23.6	317.4
	6	825.1	141.9	17.5	232.6	928.2	159.6	16.8	261.7	1057.1	181.8	21.3	296.2	1160.2	192.6	25.2	321.0
	7	854.0	146.9	18.6	235.3	960.7	165.2	17.9	264.7	1094.1	188.2	22.7	299.5	1200.9	199.6	26.8	324.6
	8	882.9	151.9	19.8	237.9	993.2	170.8	19.0	267.6	1131.2	194.6	24.1	302.9	1241.5	206.6	28.5	328.3
	9	911.8	156.8	21.0	240.5	1025.7	176.4	20.1	270.6	1168.2	200.9	25.5	306.2	1282.2	213.5	30.2	331.9
	10	940.7	161.8	22.2	243.2	1058.3	182.0	21.3	273.6	1205.2	207.3	27.0	309.6	1322.8	220.5	32.0	335.6
	11	969.6	166.8	23.5	245.8	1090.8	187.6	22.5	276.5	1242.3	213.7	28.5	313.0	1363.5	227.5	33.8	339.2
	12	998.5	171.7	24.8	248.5	1123.3	193.2	23.8	279.5	1279.3	220.0	30.1	316.3	1404.1	234.5	35.7	342.8
	13	1027.4	176.7	26.1	251.1	1155.8	198.8	25.0	282.5	1316.3	226.4	31.7	319.7	1444.8	241.5	37.6	346.5
	14	1056.3	181.7	27.4	253.7	1188.3	204.4	26.3	285.5	1353.4	232.8	33.4	323.0	1485.4	248.5	39.5	350.1
	15	1085.2	186.7	28.8	256.4	1220.8	210.0	27.7	288.4	1390.4	239.1	35.0	326.4	1526.1	255.5	41.5	353.8

		5 x RCME-60AH2				5 x RCME-70AH2				5 x RCME-80AH2				5 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	744.2	128.0	14.5	249.3	837.2	144.0	13.9	280.5	953.5	164.0	17.6	317.5	1046.5	262.5	20.9	344.1
	6	772.1	132.8	15.5	252.1	868.6	149.4	14.9	283.6	989.2	170.2	18.9	320.9	1085.8	180.0	22.3	347.8
	7	**800.0**	**137.6**	**16.6**	**254.8**	**900.0**	**154.8**	**15.9**	**286.6**	**1025.0**	**176.3**	**20.1**	**324.4**	**1125.0**	**186.8**	**23.8**	**351.6**
	8	827.9	142.4	17.6	257.5	931.4	160.2	16.9	289.7	1060.8	182.4	21.4	327.8	1164.2	193.5	25.4	355.3
	9	855.8	147.2	18.7	260.2	962.8	165.6	17.9	292.7	1096.5	188.6	22.7	331.3	1203.5	200.2	26.9	359.1
35	10	883.7	152.0	19.8	262.9	994.2	171.0	19.0	295.8	1132.3	194.7	24.1	334.7	1242.7	207.0	28.6	362.8
	11	911.6	156.8	21.0	265.6	1025.6	176.4	20.1	298.8	1168.0	200.9	25.5	338.2	1282.0	213.7	30.2	366.6
	12	939.5	161.6	22.2	268.4	1057.0	181.8	21.3	301.9	1203.8	207.0	27.0	341.7	1321.2	220.5	31.9	370.3
	13	967.4	166.4	23.4	271.1	1088.4	187.2	22.4	305.0	1239.5	213.2	28.4	345.1	1360.4	227.2	33.7	374.1
	14	995.3	171.2	24.6	273.8	1119.7	192.6	23.6	308.0	1275.3	219.3	29.9	348.6	1399.7	234.0	35.5	377.8
	15	1023.2	176.0	25.9	276.5	1151.1	198.0	24.8	311.1	1311.0	225.5	31.5	352.0	1438.9	240.7	37.3	381.5
	5	692.2	119.1	12.7	274.3	778.8	133.9	12.2	308.6	886.9	152.6	15.5	349.2	973.5	247.5	18.3	378.5
	6	719.1	123.7	13.7	277.2	809.0	139.2	13.1	311.8	921.4	158.5	16.6	352.9	1011.3	167.4	19.6	382.4
	7	746.0	128.3	14.6	280.0	839.3	144.4	14.0	315.0	955.9	164.4	17.7	356.5	1049.1	173.9	21.0	386.4
	8	772.9	132.9	15.6	282.9	869.6	149.6	14.9	318.2	990.3	170.3	18.9	360.1	1087.0	180.4	22.4	390.3
	9	799.8	137.6	16.6	285.7	899.8	154.8	15.9	321.5	1024.8	176.3	20.1	363.8	1124.8	187.0	23.8	394.3
40	10	826.8	142.2	17.6	288.6	930.1	160.0	16.9	324.7	1059.3	182.2	21.4	367.4	1162.6	193.5	25.3	398.2
	11	853.7	146.8	18.6	291.5	960.4	165.2	17.9	327.9	1093.7	188.1	22.6	371.1	1200.5	200.0	26.8	402.2
	12	880.6	151.5	19.7	294.3	990.6	170.4	18.9	331.1	1128.2	194.1	24.0	374.7	1238.3	206.5	28.4	406.1
	13	907.5	156.1	20.8	297.2	1020.9	175.6	20.0	334.3	1162.7	200.0	25.3	378.4	1276.1	213.0	30.0	410.1
	14	934.4	160.7	22.0	300.0	1051.2	180.8	21.1	337.5	1197.2	205.9	26.7	382.0	1314.0	219.5	31.6	414.0
	15	961.3	165.3	23.1	302.9	1081.4	186.0	22.2	340.8	1231.6	211.8	28.1	385.6	1351.8	226.0	33.3	418.0
	5	661.1	113.7	11.7	289.3	743.7	127.9	11.2	325.4	847.0	145.7	14.2	368.3	929.6	232.5	16.8	399.2
	6	687.4	118.2	12.6	292.2	773.3	133.0	12.0	328.7	880.7	151.5	15.3	372.0	966.6	159.9	18.1	403.2
	7	713.7	122.8	13.5	295.2	802.9	138.1	12.9	332.1	914.4	157.3	16.3	375.8	1003.6	166.3	19.4	407.3
	8	740.0	127.3	14.4	298.1	832.5	143.2	13.8	335.4	948.1	163.1	17.4	379.5	1040.6	172.6	20.7	411.4
	9	766.3	131.8	15.3	301.1	862.1	148.3	14.7	338.7	981.8	168.9	18.6	383.3	1077.6	179.0	22.0	415.4
43	10	792.6	136.3	16.3	304.0	891.6	153.4	15.6	342.0	1015.5	174.7	19.8	387.0	1114.6	185.3	23.4	419.5
	11	818.9	140.8	17.3	306.9	921.2	158.5	16.6	345.3	1049.2	180.5	21.0	390.8	1151.6	191.7	24.9	423.6
	12	845.2	145.4	18.3	309.9	950.8	163.5	17.5	348.6	1082.9	186.3	22.2	394.5	1188.5	198.1	26.3	427.6
	13	871.5	149.9	19.3	312.8	980.4	168.6	18.5	351.9	1116.6	192.1	23.5	398.3	1225.5	204.4	27.8	431.7
	14	897.8	154.4	20.4	315.8	1010.0	173.7	19.6	355.3	1150.3	197.9	24.8	402.0	1262.5	210.8	29.4	435.7
	15	924.1	158.9	21.5	318.7	1039.6	178.8	20.6	358.6	1184.0	203.6	26.2	405.8	1299.5	217.2	31.0	439.8
	5	629.9	108.3	10.7	304.2	708.6	121.9	10.3	342.3	807.0	138.8	13.0	387.4	885.8	223.5	15.4	419.8
	6	655.6	112.8	11.5	307.3	737.5	126.9	11.0	345.7	840.0	144.5	14.0	391.2	921.9	152.4	16.6	424.0
	7	681.3	117.2	12.4	310.3	766.4	131.8	11.8	349.1	872.9	150.1	15.0	395.1	958.1	158.6	17.8	428.2
	8	707.0	121.6	13.2	313.3	795.4	136.8	12.7	352.5	905.8	155.8	16.1	398.9	994.2	164.8	19.0	432.4
	9	732.7	126.0	14.1	316.4	824.3	141.8	13.5	355.9	938.8	161.5	17.1	402.8	1030.4	171.0	20.3	436.6
46	10	758.4	130.4	15.0	319.4	853.2	146.8	14.4	359.3	971.7	167.1	18.2	406.7	1066.5	177.2	21.6	440.7
	11	784.1	134.9	16.0	322.4	882.1	151.7	15.3	362.7	1004.6	172.8	19.4	410.5	1102.6	183.4	23.0	444.9
	12	809.8	139.3	16.9	325.5	911.0	156.7	16.2	366.2	1037.6	178.5	20.6	414.4	1138.8	189.7	24.4	449.1
	13	835.5	143.7	17.9	328.5	940.0	161.7	17.2	369.6	1070.5	184.1	21.8	418.2	1174.9	195.9	25.8	453.3
	14	861.2	148.1	18.9	331.5	968.9	166.6	18.2	373.0	1103.4	189.8	23.0	422.1	1211.1	202.1	27.3	457.5
	15	886.9	152.6	20.0	334.6	997.8	171.6	19.2	376.4	1136.4	195.5	24.3	425.9	1247.2	208.3	28.8	461.7

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		5 x RCME-120AH2				5 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
25	5	1710.1	294.1	18.7	375.1	1923.9	330.9	17.9	422.0
	6	1768.9	304.2	19.9	380.0	1990.0	342.3	19.1	427.5
	7	1827.6	314.3	21.1	384.9	2056.0	353.6	20.2	433.1
	8	1886.3	324.4	22.3	389.9	2122.1	365.0	21.4	438.6
	9	1945.0	334.5	23.6	394.8	2188.1	376.4	22.6	444.1
	10	2003.7	344.6	24.9	399.7	2254.2	387.7	23.9	449.7
	11	2062.4	354.7	26.3	404.6	2320.2	399.1	25.2	455.2
	12	2121.2	364.8	27.6	409.5	2386.3	410.4	26.5	460.7
	13	2179.9	374.9	29.0	414.4	2452.4	421.8	27.9	466.3
	14	2238.6	385.0	30.5	419.4	2518.4	433.2	29.3	471.8
	15	2297.3	395.1	31.9	424.3	2584.5	444.5	30.7	477.3
25	5	1653.8	284.5	17.6	418.8	1860.5	320.0	16.9	471.2
	6	1712.1	294.5	18.7	423.9	1926.1	331.3	18.0	476.9
	7	1770.4	304.5	19.9	429.0	1991.7	342.6	19.1	482.6
	8	1828.8	314.5	21.1	434.1	2057.4	353.9	20.2	488.4
	9	1887.1	324.6	22.3	439.2	2123.0	365.1	21.4	494.1
	10	1945.4	334.6	23.6	444.3	2188.6	376.4	22.7	499.9
	11	2003.7	344.6	24.9	449.4	2254.2	387.7	23.9	505.6
	12	2062.0	354.7	26.2	454.5	2319.8	399.0	25.2	511.3
	13	2120.3	364.7	27.6	459.6	2385.4	410.3	26.5	517.1
	14	2178.6	374.7	29.0	464.7	2451.0	421.6	27.8	522.8
	15	2236.9	384.8	30.4	469.8	2516.6	432.8	29.2	528.6
30	5	1592.3	273.9	16.4	460.0	1791.3	308.1	15.7	517.5
	6	1650.1	283.8	17.5	465.3	1856.4	319.3	16.8	523.4
	7	1707.9	293.8	18.6	470.5	1921.4	330.5	17.9	529.4
	8	1765.7	303.7	19.8	475.8	1986.4	341.7	19.0	535.3
	9	1823.5	313.6	21.0	481.1	2051.5	352.9	20.1	541.2
	10	1881.3	323.6	22.2	486.4	2116.5	364.0	21.3	547.2
	11	1939.2	333.5	23.5	491.6	2181.5	375.2	22.5	553.1
	12	1997.0	343.5	24.8	496.9	2246.6	386.4	23.8	559.0
	13	2054.8	353.4	26.1	502.2	2311.6	397.6	25.0	565.0
	14	2112.6	363.4	27.4	507.5	2376.6	408.8	26.3	570.9
	15	2170.4	373.3	28.8	512.7	2441.7	420.0	27.7	576.8
35	5	1488.4	256.0	14.5	498.7	1674.4	288.0	13.9	561.0
	6	1544.2	265.6	15.5	504.1	1737.2	298.8	14.9	567.1
	7	**1600.0**	**275.2**	**16.6**	**509.6**	**1800.0**	**309.6**	**15.9**	**573.2**
	8	1655.8	284.8	17.6	515.0	1862.8	320.4	16.9	579.4
	9	1711.6	294.4	18.7	520.4	1925.6	331.2	17.9	585.5
	10	1767.4	304.0	19.8	525.9	1988.4	342.0	19.0	591.6
	11	1823.2	313.6	21.0	531.3	2051.1	352.8	20.1	597.7
	12	1879.0	323.2	22.2	536.7	2113.9	363.6	21.3	603.8
	13	1934.8	332.8	23.4	542.2	2176.7	374.4	22.4	609.9
	14	1990.7	342.4	24.6	547.6	2239.5	385.2	23.6	616.0
	15	2046.5	352.0	25.9	553.0	2302.3	396.0	24.8	622.1

		5 x RCME-120AH2				5 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1384.5	238.1	12.7	548.6	1557.5	267.9	12.2	617.2
	6	1438.3	247.4	13.7	554.3	1618.1	278.3	13.1	623.6
	7	1492.1	256.6	14.6	560.0	1678.6	288.7	14.0	630.0
	8	1545.9	265.9	15.6	565.8	1739.1	299.1	14.9	636.5
	9	1599.7	275.1	16.6	571.5	1799.7	309.5	15.9	642.9
	10	1653.5	284.4	17.6	577.2	1860.2	320.0	16.9	649.3
	11	1707.3	293.7	18.6	582.9	1920.7	330.4	17.9	655.8
	12	1761.1	302.9	19.7	588.6	1981.3	340.8	18.9	662.2
	13	1814.9	312.2	20.8	594.4	2041.8	351.2	20.0	668.7
	14	1868.7	321.4	22.0	600.1	2102.3	361.6	21.1	675.1
	15	1922.5	330.7	23.1	605.8	2162.9	372.0	22.2	681.5
43	5	1322.1	227.4	11.7	578.6	1487.4	255.8	11.2	650.9
	6	1374.7	236.5	12.6	584.4	1546.6	266.0	12.0	657.5
	7	1427.3	245.5	13.5	590.3	1605.7	276.2	12.9	664.1
	8	1479.9	254.5	14.4	596.2	1664.9	286.4	13.8	670.8
	9	1532.5	263.6	15.3	602.1	1724.1	296.5	14.7	677.4
	10	1585.2	272.6	16.3	608.0	1783.3	306.7	15.6	684.0
	11	1637.8	281.7	17.3	613.9	1842.5	316.9	16.6	690.6
	12	1690.4	290.7	18.3	619.8	1901.7	327.1	17.5	697.3
	13	1743.0	299.8	19.3	625.7	1960.8	337.3	18.5	703.9
	14	1795.6	308.8	20.4	631.6	2020.0	347.4	19.6	710.5
	15	1848.2	317.9	21.5	637.5	2079.2	357.6	20.6	717.1
46	5	1259.8	216.7	10.7	608.5	1417.2	243.8	10.3	684.6
	6	1311.2	225.5	11.5	614.6	1475.1	253.7	11.0	691.4
	7	1362.6	234.4	12.4	620.6	1532.9	263.7	11.8	698.2
	8	1414.0	243.2	13.2	626.7	1590.7	273.6	12.7	705.0
	9	1465.4	252.0	14.1	632.8	1648.6	283.6	13.5	711.8
	10	1516.8	260.9	15.0	638.8	1706.4	293.5	14.4	718.7
	11	1568.2	269.7	16.0	644.9	1764.2	303.4	15.3	725.5
	12	1619.6	278.6	16.9	650.9	1822.1	313.4	16.2	732.3
	13	1671.0	287.4	17.9	657.0	1879.9	323.3	17.2	739.1
	14	1722.4	296.3	18.9	663.1	1937.7	333.3	18.2	746.0
	15	1773.8	305.1	20.0	669.1	1995.6	343.2	19.2	752.8

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 6 Modules

(Pump not included)

		6 x RCME-60AH2				6 x RCME-70AH2				6 x RCME-80AH2				6 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	1026.1	176.5	18.7	225.1	1154.3	198.5	17.9	253.2	1314.7	226.1	22.7	286.5	1442.9	248.2	26.9	310.6
	6	1061.3	182.5	19.9	228.0	1194.0	205.4	19.1	256.5	1359.8	233.9	24.1	290.3	1492.5	256.7	28.6	314.6
	7	1096.5	188.6	21.1	231.0	1233.6	212.2	20.2	259.8	1404.9	241.7	25.6	294.1	1542.0	265.2	30.4	318.7
	8	1131.8	194.7	22.3	233.9	1273.2	219.0	21.4	263.2	1450.1	249.4	27.1	297.8	1591.6	273.7	32.2	322.8
	9	1167.0	200.7	23.6	236.9	1312.9	225.8	22.6	266.5	1495.2	257.2	28.7	301.6	1641.1	0.0	34.0	326.9
20	10	1202.2	206.8	24.9	239.8	1352.5	232.6	23.9	269.8	1540.4	264.9	30.3	305.3	1690.6	282.3	35.9	330.9
	11	1237.5	212.8	26.3	242.8	1392.1	239.4	25.2	273.1	1585.5	272.7	31.9	309.1	1740.2	290.8	37.8	335.0
	12	1272.7	218.9	27.6	245.7	1431.8	246.3	26.5	276.4	1630.6	280.5	33.6	312.8	1789.7	299.3	39.8	339.1
	13	1307.9	225.0	29.0	248.7	1471.4	253.1	27.9	279.8	1675.8	288.2	35.3	316.6	1839.3	307.8	41.9	343.1
	14	1343.2	231.0	30.5	251.6	1511.1	259.9	29.3	283.1	1720.9	296.0	37.1	320.3	1888.8	316.4	43.9	347.2
	15	1378.4	237.1	31.9	254.6	1550.7	266.7	30.7	286.4	1766.1	303.8	38.9	324.1	1938.4	324.9	46.0	351.3
	5	992.3	170.7	17.6	251.3	1116.3	192.0	16.9	282.7	1271.4	218.7	21.4	319.9	1395.4	333.4	25.3	346.7
	6	1027.3	176.7	18.7	254.3	1155.7	198.8	18.0	286.1	1316.2	226.4	22.8	323.8	1444.6	240.0	27.0	351.0
	7	1062.3	182.7	19.9	257.4	1195.0	205.5	19.1	289.6	1361.0	234.1	24.2	327.7	1493.8	248.5	28.7	355.2
	8	1097.3	188.7	21.1	260.5	1234.4	212.3	20.2	293.0	1405.9	241.8	25.7	331.6	1543.0	256.9	30.4	359.4
	9	1132.2	194.7	22.3	263.5	1273.8	219.1	21.4	296.5	1450.7	249.5	27.2	335.5	1592.2	265.4	32.2	363.6
25	10	1167.2	200.8	23.6	266.6	1313.1	225.9	22.7	299.9	1495.5	257.2	28.7	339.4	1641.4	273.9	34.0	367.9
	11	1202.2	206.8	24.9	269.7	1352.5	232.6	23.9	303.4	1540.3	264.9	30.3	343.3	1690.6	282.3	35.9	372.1
	12	1237.2	212.8	26.2	272.7	1391.9	239.4	25.2	306.8	1585.2	272.6	31.9	347.2	1739.8	290.8	37.8	376.3
	13	1272.2	218.8	27.6	275.8	1431.2	246.2	26.5	310.2	1630.0	280.4	33.6	351.1	1789.0	299.2	39.8	380.5
	14	1307.2	224.8	29.0	278.8	1470.6	252.9	27.8	313.7	1674.8	288.1	35.3	355.0	1838.2	307.7	41.8	384.8
	15	1342.2	230.9	30.4	281.9	1509.9	259.7	29.2	317.1	1719.7	295.8	37.0	358.9	1887.4	316.2	43.9	389.0
	5	955.4	164.3	16.4	276.0	1074.8	184.9	15.7	310.5	1224.1	210.5	19.9	351.4	1343.5	324.6	23.6	380.8
	6	990.1	170.3	17.5	279.2	1113.8	191.6	16.8	314.1	1268.5	218.2	21.3	355.4	1392.3	231.1	25.2	385.2
	7	1024.8	176.3	18.6	282.3	1152.8	198.3	17.9	317.6	1313.0	225.8	22.7	359.4	1441.1	239.5	26.8	389.6
	8	1059.4	182.2	19.8	285.5	1191.9	205.0	19.0	321.2	1357.4	233.5	24.1	363.5	1489.8	247.9	28.5	393.9
	9	1094.1	188.2	21.0	288.7	1230.9	211.7	20.1	324.7	1401.8	241.1	25.5	367.5	1538.6	256.3	30.2	398.3
30	10	1128.8	194.2	22.2	291.8	1269.9	218.4	21.3	328.3	1446.3	248.8	27.0	371.5	1587.4	264.6	32.0	402.7
	11	1163.5	200.1	23.5	295.0	1308.9	225.1	22.5	331.9	1490.7	256.4	28.5	375.6	1636.2	273.0	33.8	407.0
	12	1198.2	206.1	24.8	298.2	1347.9	231.8	23.8	335.4	1535.2	264.0	30.1	379.6	1684.9	281.4	35.7	411.4
	13	1232.9	212.1	26.1	301.3	1387.0	238.6	25.0	339.0	1579.6	271.7	31.7	383.6	1733.7	289.8	37.6	415.8
	14	1267.5	218.0	27.4	304.5	1426.0	245.3	26.3	342.5	1624.0	279.3	33.4	387.6	1782.5	298.2	39.5	420.1
	15	1302.2	224.0	28.8	307.6	1465.0	252.0	27.7	346.1	1668.5	287.0	35.0	391.7	1831.3	306.6	41.5	424.5
	5	893.0	153.6	14.5	299.2	1004.7	172.8	13.9	336.6	1144.2	196.8	17.6	380.9	1255.8	315.0	20.9	412.9
	6	926.5	159.4	15.5	302.5	1042.3	179.3	14.9	340.3	1187.1	204.2	18.9	385.1	1302.9	216.0	22.3	417.4
	7	**960.0**	**165.1**	**16.6**	**305.7**	**1080.0**	**185.8**	**15.9**	**343.9**	**1230.0**	**211.6**	**20.1**	**389.2**	**1350.0**	**224.1**	**23.8**	**421.9**
	8	993.5	170.9	17.6	309.0	1117.7	192.2	16.9	347.6	1272.9	218.9	21.4	393.4	1397.1	232.2	25.4	426.4
	9	1027.0	176.6	18.7	312.3	1155.3	198.7	17.9	351.3	1315.8	226.3	22.7	397.5	1444.2	240.3	26.9	430.9
35	10	1060.5	182.4	19.8	315.5	1193.0	205.2	19.0	355.0	1358.7	233.7	24.1	401.7	1491.3	248.4	28.6	435.4
	11	1093.9	188.2	21.0	318.8	1230.7	211.7	20.1	358.6	1401.6	241.1	25.5	405.8	1538.4	256.5	30.2	439.9
	12	1127.4	193.9	22.2	322.0	1268.4	218.2	21.3	362.3	1444.5	248.5	27.0	410.0	1585.4	264.6	31.9	444.4
	13	1160.9	199.7	23.4	325.3	1306.0	224.6	22.4	366.0	1487.4	255.8	28.4	414.1	1632.5	272.7	33.7	448.9
	14	1194.4	205.4	24.6	328.6	1343.7	231.1	23.6	369.6	1530.3	263.2	29.9	418.3	1679.6	280.8	35.5	453.4
	15	1227.9	211.2	25.9	331.8	1381.4	237.6	24.8	373.3	1573.2	270.6	31.5	422.4	1726.7	288.9	37.3	457.9

		6 x RCME-60AH2				6 x RCME-70AH2				6 x RCME-80AH2				6 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	830.7	142.9	12.7	329.2	934.5	160.7	12.2	370.3	1064.3	183.1	15.5	419.1	1168.1	297.0	18.3	454.2
	6	863.0	148.4	13.7	332.6	970.8	167.0	13.1	374.2	1105.7	190.2	16.6	423.4	1213.5	200.9	19.6	458.9
	7	895.2	154.0	14.6	336.0	1007.2	173.2	14.0	378.0	1147.0	197.3	17.7	427.8	1258.9	208.7	21.0	463.7
	8	927.5	159.5	15.6	339.5	1043.5	179.5	14.9	381.9	1188.4	204.4	18.9	432.2	1304.3	216.5	22.4	468.4
	9	959.8	165.1	16.6	342.9	1079.8	185.7	15.9	385.7	1229.8	211.5	20.1	436.5	1349.7	224.3	23.8	473.1
40	10	992.1	170.6	17.6	346.3	1116.1	192.0	16.9	389.6	1271.1	218.6	21.4	440.9	1395.1	232.2	25.3	477.9
	11	1024.4	176.2	18.6	349.8	1152.4	198.2	17.9	393.5	1312.5	225.7	22.6	445.3	1440.5	240.0	26.8	482.6
	12	1056.7	181.7	19.7	353.2	1188.8	204.5	18.9	397.3	1353.9	232.9	24.0	449.7	1485.9	247.8	28.4	487.4
	13	1089.0	187.3	20.8	356.6	1225.1	210.7	20.0	401.2	1395.2	240.0	25.3	454.0	1531.3	255.6	30.0	492.1
	14	1121.2	192.9	22.0	360.0	1261.4	217.0	21.1	405.1	1436.6	247.1	26.7	458.4	1576.7	263.4	31.6	496.8
	15	1153.5	198.4	23.1	363.5	1297.7	223.2	22.2	408.9	1478.0	254.2	28.1	462.8	1622.1	271.2	33.3	501.6
	5	793.3	136.4	11.7	347.1	892.4	153.5	11.2	390.5	1016.4	174.8	14.2	441.9	1115.5	279.0	16.8	479.0
	6	824.8	141.9	12.6	350.7	927.9	159.6	12.0	394.5	1056.8	181.8	15.3	446.4	1159.9	191.9	18.1	483.9
	7	856.4	147.3	13.5	354.2	963.4	165.7	12.9	398.5	1097.3	188.7	16.3	450.9	1204.3	199.5	19.4	488.8
	8	888.0	152.7	14.4	357.7	999.0	171.8	13.8	402.5	1137.7	195.7	17.4	455.4	1248.7	207.1	20.7	493.6
	9	919.5	158.2	15.3	361.3	1034.5	177.9	14.7	406.4	1178.1	202.6	18.6	459.9	1293.1	214.8	22.0	498.5
43	10	951.1	163.6	16.3	364.8	1070.0	184.0	15.6	410.4	1218.6	209.6	19.8	464.4	1337.5	222.4	23.4	503.4
	11	982.7	169.0	17.3	368.3	1105.5	190.1	16.6	414.4	1259.0	216.6	21.0	468.9	1381.9	230.0	24.9	508.3
	12	1014.2	174.4	18.3	371.9	1141.0	196.3	17.5	418.4	1299.5	223.5	22.2	473.4	1426.2	237.7	26.3	513.1
	13	1045.8	179.9	19.3	375.4	1176.5	202.4	18.5	422.3	1339.9	230.5	23.5	477.9	1470.6	245.3	27.8	518.0
	14	1077.4	185.3	20.4	378.9	1212.0	208.5	19.6	426.3	1380.4	237.4	24.8	482.4	1515.0	252.9	29.4	522.9
	15	1108.9	190.7	21.5	382.5	1247.5	214.6	20.6	430.3	1420.8	244.4	26.2	486.9	1559.4	260.6	31.0	527.8
	5	755.9	130.0	10.7	365.1	850.3	146.3	10.3	410.7	968.4	166.6	13.0	464.8	1062.9	268.2	15.4	503.8
	6	786.7	135.3	11.5	368.7	885.0	152.2	11.0	414.8	1008.0	173.4	14.0	469.5	1106.3	182.8	16.6	508.8
	7	817.5	140.6	12.4	372.4	919.7	158.2	11.8	418.9	1047.5	180.2	15.0	474.1	1149.7	190.3	17.8	513.8
	8	848.4	145.9	13.2	376.0	954.4	164.2	12.7	423.0	1087.0	187.0	16.1	478.7	1193.0	197.7	19.0	518.9
	9	879.2	151.2	14.1	379.7	989.1	170.1	13.5	427.1	1126.5	193.8	17.1	483.3	1236.4	205.2	20.3	523.9
46	10	910.1	156.5	15.0	383.3	1023.8	176.1	14.4	431.2	1166.0	200.6	18.2	488.0	1279.8	212.7	21.6	528.9
	11	940.9	161.8	16.0	386.9	1058.5	182.1	15.3	435.3	1205.6	207.4	19.4	492.6	1323.2	220.1	23.0	533.9
	12	971.8	167.1	16.9	390.6	1093.2	188.0	16.2	439.4	1245.1	214.2	20.6	497.2	1366.6	227.6	24.4	538.9
	13	1002.6	172.4	17.9	394.2	1127.9	194.0	17.2	443.5	1284.6	221.0	21.8	501.9	1409.9	235.0	25.8	544.0
	14	1033.5	177.8	18.9	397.8	1162.6	200.0	18.2	447.6	1324.1	227.7	23.0	506.5	1453.3	242.5	27.3	549.0
	15	1064.3	183.1	20.0	401.5	1197.3	205.9	19.2	451.7	1363.6	234.5	24.3	511.1	1496.7	250.0	28.8	554.0

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		6 x RCME-120AH2				6 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
25	5	2052.2	353.0	18.7	450.1	2308.7	397.1	17.9	506.4
	6	2122.6	365.1	19.9	456.0	2388.0	410.7	19.1	513.0
	7	2193.1	377.2	21.1	461.9	2467.2	424.4	20.2	519.7
	8	2263.5	389.3	22.3	467.8	2546.5	438.0	21.4	526.3
	9	2334.0	401.4	23.6	473.7	2625.8	451.6	22.6	533.0
	10	2404.5	413.6	24.9	479.6	2705.0	465.3	23.9	539.6
	11	2474.9	425.7	26.3	485.5	2784.3	478.9	25.2	546.2
	12	2545.4	437.8	27.6	491.4	2863.6	492.5	26.5	552.9
	13	2615.9	449.9	29.0	497.3	2942.8	506.2	27.9	559.5
	14	2686.3	462.0	30.5	503.2	3022.1	519.8	29.3	566.1
	15	2756.8	474.2	31.9	509.1	3101.4	533.4	30.7	572.8
25	5	1984.6	341.3	17.6	502.6	2232.7	384.0	16.9	565.4
	6	2054.6	353.4	18.7	508.7	2311.4	397.6	18.0	572.3
	7	2124.5	365.4	19.9	514.8	2390.1	411.1	19.1	579.2
	8	2194.5	377.5	21.1	520.9	2468.8	424.6	20.2	586.1
	9	2264.5	389.5	22.3	527.1	2547.5	438.2	21.4	592.9
	10	2334.5	401.5	23.6	533.2	2626.3	451.7	22.7	599.8
	11	2404.4	413.6	24.9	539.3	2705.0	465.3	23.9	606.7
	12	2474.4	425.6	26.2	545.4	2783.7	478.8	25.2	613.6
	13	2544.4	437.6	27.6	551.5	2862.4	492.3	26.5	620.5
	14	2614.4	449.7	29.0	557.7	2941.2	505.9	27.8	627.4
	15	2684.3	461.7	30.4	563.8	3019.9	519.4	29.2	634.3
30	5	1910.8	328.7	16.4	552.0	2149.6	369.7	15.7	621.0
	6	1980.1	340.6	17.5	558.3	2227.7	383.2	16.8	628.1
	7	2049.5	352.5	18.6	564.7	2305.7	396.6	17.9	635.2
	8	2118.9	364.4	19.8	571.0	2383.7	410.0	19.0	642.4
	9	2188.2	376.4	21.0	577.3	2461.8	423.4	20.1	649.5
	10	2257.6	388.3	22.2	583.6	2539.8	436.8	21.3	656.6
	11	2327.0	400.2	23.5	590.0	2617.9	450.3	22.5	663.7
	12	2396.4	412.2	24.8	596.3	2695.9	463.7	23.8	670.8
	13	2465.7	424.1	26.1	602.6	2773.9	477.1	25.0	678.0
	14	2535.1	436.0	27.4	609.0	2852.0	490.5	26.3	685.1
	15	2604.5	448.0	28.8	615.3	2930.0	504.0	27.7	692.2
35	5	1786.1	307.2	14.5	598.4	2009.3	345.6	13.9	673.2
	6	1853.0	318.7	15.5	604.9	2084.7	358.6	14.9	680.6
	7	**1920.0**	**330.2**	**16.6**	**611.5**	**2160.0**	**371.5**	**15.9**	**687.9**
	8	1987.0	341.8	17.6	618.0	2235.3	384.5	16.9	695.2
	9	2053.9	353.3	18.7	624.5	2310.7	397.4	17.9	702.6
	10	2120.9	364.8	19.8	631.0	2386.0	410.4	19.0	709.9
	11	2187.9	376.3	21.0	637.5	2461.4	423.4	20.1	717.2
	12	2254.8	387.8	22.2	644.1	2536.7	436.3	21.3	724.6
	13	2321.8	399.4	23.4	650.6	2612.0	449.3	22.4	731.9
	14	2388.8	410.9	24.6	657.1	2687.4	462.2	23.6	739.2
	15	2455.8	422.4	25.9	663.6	2762.7	475.2	24.8	746.6

		6 x RCME-120AH2				6 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1661.4	285.8	12.7	658.3	1869.0	321.5	12.2	740.6
	6	1725.9	296.9	13.7	665.2	1941.7	334.0	13.1	748.3
	7	1790.5	308.0	14.6	672.0	2014.3	346.5	14.0	756.1
	8	1855.1	319.1	15.6	678.9	2086.9	359.0	14.9	763.8
	9	1919.6	330.2	16.6	685.8	2159.6	371.4	15.9	771.5
	10	1984.2	341.3	17.6	692.6	2232.2	383.9	16.9	779.2
	11	2048.8	352.4	18.6	699.5	2304.9	396.4	17.9	786.9
	12	2113.3	363.5	19.7	706.4	2377.5	408.9	18.9	794.7
	13	2177.9	374.6	20.8	713.2	2450.2	421.4	20.0	802.4
	14	2242.5	385.7	22.0	720.1	2522.8	433.9	21.1	810.1
	15	2307.1	396.8	23.1	727.0	2595.4	446.4	22.2	817.8
43	5	1586.5	272.9	11.7	694.3	1784.9	307.0	11.2	781.0
	6	1649.7	283.7	12.6	701.3	1855.9	319.2	12.0	789.0
	7	1712.8	294.6	13.5	708.4	1926.9	331.4	12.9	797.0
	8	1775.9	305.5	14.4	715.5	1997.9	343.6	13.8	804.9
	9	1839.1	316.3	15.3	722.5	2068.9	355.9	14.7	812.9
	10	1902.2	327.2	16.3	729.6	2140.0	368.1	15.6	820.8
	11	1965.3	338.0	17.3	736.7	2211.0	380.3	16.6	828.8
	12	2028.4	348.9	18.3	743.7	2282.0	392.5	17.5	836.7
	13	2091.6	359.8	19.3	750.8	2353.0	404.7	18.5	844.7
	14	2154.7	370.6	20.4	757.9	2424.0	416.9	19.6	852.6
	15	2217.8	381.5	21.5	765.0	2495.1	429.2	20.6	860.6
46	5	1511.7	260.0	10.7	730.2	1700.7	292.5	10.3	821.5
	6	1573.4	270.6	11.5	737.5	1770.1	304.5	11.0	829.7
	7	1635.1	281.2	12.4	744.8	1839.5	316.4	11.8	837.8
	8	1696.8	291.8	13.2	752.0	1908.9	328.3	12.7	846.0
	9	1758.5	302.5	14.1	759.3	1978.3	340.3	13.5	854.2
	10	1820.2	313.1	15.0	766.6	2047.7	352.2	14.4	862.4
	11	1881.8	323.7	16.0	773.9	2117.1	364.1	15.3	870.6
	12	1943.5	334.3	16.9	781.1	2186.5	376.1	16.2	878.8
	13	2005.2	344.9	17.9	788.4	2255.9	388.0	17.2	887.0
	14	2066.9	355.5	18.9	795.7	2325.3	399.9	18.2	895.1
	15	2128.6	366.1	20.0	803.0	2394.7	411.9	19.2	903.3

ABT: Condenser Air Inlet Temperature (ºC)
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CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 7 Modules

(Pump not included)

		7 x RCME-60AH2				7 x RCME-70AH2				7 x RCME-80AH2				7 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	1197.1	205.9	18.7	262.6	1346.7	231.6	17.9	295.4	1533.8	263.8	22.7	334.3	1683.4	289.5	26.9	362.3
	6	1238.2	213.0	19.9	266.0	1393.0	239.6	19.1	299.3	1586.4	272.9	24.1	338.7	1741.2	299.5	28.6	367.1
	7	1279.3	220.0	21.1	269.5	1439.2	247.5	20.2	303.1	1639.1	281.9	25.6	343.1	1799.0	309.4	30.4	371.8
	8	1320.4	227.1	22.3	272.9	1485.5	255.5	21.4	307.0	1691.8	291.0	27.1	347.4	1856.8	319.4	32.2	376.6
	9	1361.5	234.2	23.6	276.3	1531.7	263.5	22.6	310.9	1744.4	300.0	28.7	351.8	1914.6	0.0	34.0	381.3
	10	1402.6	241.2	24.9	279.8	1577.9	271.4	23.9	314.8	1797.1	309.1	30.3	356.2	1972.4	329.3	35.9	386.1
	11	1443.7	248.3	26.3	283.2	1624.2	279.4	25.2	318.6	1849.8	318.2	31.9	360.6	2030.2	339.3	37.8	390.8
	12	1484.8	255.4	27.6	286.7	1670.4	287.3	26.5	322.5	1902.4	327.2	33.6	365.0	2088.0	349.2	39.8	395.6
	13	1525.9	262.5	29.0	290.1	1716.7	295.3	27.9	326.4	1955.1	336.3	35.3	369.4	2145.8	359.1	41.9	400.3
	14	1567.0	269.5	30.5	293.6	1762.9	303.2	29.3	330.2	2007.7	345.3	37.1	373.7	2203.6	369.1	43.9	405.1
	15	1608.1	276.6	31.9	297.0	1809.1	311.2	30.7	334.1	2060.4	354.4	38.9	378.1	2261.4	379.0	46.0	409.8
25	5	1157.7	199.1	17.6	293.2	1302.4	224.0	16.9	329.8	1483.3	255.1	21.4	373.2	1628.0	389.0	25.3	404.5
	6	1198.5	206.1	18.7	296.7	1348.3	231.9	18.0	333.8	1535.6	264.1	22.8	377.8	1685.4	280.0	27.0	409.5
	7	1239.3	213.2	19.9	300.3	1394.2	239.8	19.1	337.8	1587.9	273.1	24.2	382.3	1742.8	289.9	28.7	414.4
	8	1280.1	220.2	21.1	303.9	1440.1	247.7	20.2	341.9	1640.2	282.1	25.7	386.9	1800.2	299.8	30.4	419.3
	9	1320.9	227.2	22.3	307.4	1486.1	255.6	21.4	345.9	1692.5	291.1	27.2	391.4	1857.6	309.6	32.2	424.2
	10	1361.8	234.2	23.6	311.0	1532.0	263.5	22.7	349.9	1744.8	300.1	28.7	396.0	1915.0	319.5	34.0	429.2
	11	1402.6	241.2	24.9	314.6	1577.9	271.4	23.9	353.9	1797.1	309.1	30.3	400.5	1972.4	329.4	35.9	434.1
	12	1443.4	248.3	26.2	318.2	1623.8	279.3	25.2	357.9	1849.4	318.1	31.9	405.1	2029.8	339.3	37.8	439.0
	13	1484.2	255.3	27.6	321.7	1669.8	287.2	26.5	362.0	1901.7	327.1	33.6	409.6	2087.2	349.1	39.8	444.0
	14	1525.0	262.3	29.0	325.3	1715.7	295.1	27.8	366.0	1954.0	336.1	35.3	414.2	2144.6	359.0	41.8	448.9
	15	1565.9	269.3	30.4	328.9	1761.6	303.0	29.2	370.0	2006.3	345.1	37.0	418.7	2202.0	368.9	43.9	453.8
30	5	1114.6	191.7	16.4	322.0	1253.9	215.7	15.7	362.2	1428.1	245.6	19.9	409.9	1567.4	378.7	23.6	444.3
	6	1155.1	198.7	17.5	325.7	1299.5	223.5	16.8	366.4	1479.9	254.6	21.3	414.6	1624.3	269.6	25.2	449.4
	7	1195.5	205.6	18.6	329.4	1345.0	231.3	17.9	370.6	1531.8	263.5	22.7	419.3	1681.2	279.4	26.8	454.5
	8	1236.0	212.6	19.8	333.1	1390.5	239.2	19.0	374.7	1583.6	272.4	24.1	424.0	1738.1	289.2	28.5	459.6
	9	1276.5	219.6	21.0	336.8	1436.0	247.0	20.1	378.9	1635.5	281.3	25.5	428.7	1795.0	299.0	30.2	464.7
	10	1316.9	226.5	22.2	340.5	1481.6	254.8	21.3	383.0	1687.3	290.2	27.0	433.5	1851.9	308.7	32.0	469.8
	11	1357.4	233.5	23.5	344.1	1527.1	262.7	22.5	387.2	1739.2	299.1	28.5	438.2	1908.9	318.5	33.8	474.9
	12	1397.9	240.4	24.8	347.8	1572.6	270.5	23.8	391.3	1791.0	308.1	30.1	442.9	1965.8	328.3	35.7	480.0
	13	1438.3	247.4	26.1	351.5	1618.1	278.3	25.0	395.5	1842.9	317.0	31.7	447.6	2022.7	338.1	37.6	485.1
	14	1478.8	254.4	27.4	355.2	1663.7	286.1	26.3	399.6	1894.7	325.9	33.4	452.3	2079.6	347.9	39.5	490.2
	15	1519.3	261.3	28.8	358.9	1709.2	294.0	27.7	403.8	1946.6	334.8	35.0	457.0	2136.5	357.7	41.5	495.3
35	5	1041.9	179.2	14.5	349.1	1172.1	201.6	13.9	392.7	1334.9	229.6	17.6	444.4	1465.1	367.5	20.9	481.7
	6	1080.9	185.9	15.5	352.9	1216.1	209.2	14.9	397.0	1384.9	238.2	18.9	449.3	1520.1	252.0	22.3	486.9
	7	**1120.0**	**192.6**	**16.6**	**356.7**	**1260.0**	**216.7**	**15.9**	**401.3**	**1435.0**	**246.8**	**20.1**	**454.1**	**1575.0**	**261.5**	**23.8**	**492.2**
	8	1159.1	199.4	17.6	360.5	1303.9	224.3	16.9	405.6	1485.1	255.4	21.4	459.0	1629.9	270.9	25.4	497.4
	9	1198.1	206.1	18.7	364.3	1347.9	231.8	17.9	409.8	1535.1	264.0	22.7	463.8	1684.9	280.3	26.9	502.7
	10	1237.2	212.8	19.8	368.1	1391.8	239.4	19.0	414.1	1585.2	272.6	24.1	468.6	1739.8	289.8	28.6	507.9
	11	1276.3	219.5	21.0	371.9	1435.8	247.0	20.1	418.4	1635.2	281.3	25.5	473.5	1794.7	299.2	30.2	513.2
	12	1315.3	226.2	22.2	375.7	1479.7	254.5	21.3	422.7	1685.3	289.9	27.0	478.3	1849.7	308.7	31.9	518.4
	13	1354.4	233.0	23.4	379.5	1523.7	262.1	22.4	426.9	1735.3	298.5	28.4	483.2	1904.6	318.1	33.7	523.7
	14	1393.5	239.7	24.6	383.3	1567.6	269.6	23.6	431.2	1785.4	307.1	29.9	488.0	1959.6	327.6	35.5	528.9
	15	1432.5	246.4	25.9	387.1	1611.6	277.2	24.8	435.5	1835.4	315.7	31.5	492.8	2014.5	337.0	37.3	534.2

		7 x RCME-60AH2				7 x RCME-70AH2				7 x RCME-80AH2				7 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	969.1	166.7	12.7	384.0	1090.3	187.5	12.2	432.0	1241.7	213.6	15.5	488.9	1362.8	346.5	18.3	529.9
	6	1006.8	173.2	13.7	388.0	1132.6	194.8	13.1	436.5	1290.0	221.9	16.6	494.0	1415.8	234.4	19.6	535.4
	7	1044.5	179.6	14.6	392.0	1175.0	202.1	14.0	441.0	1338.2	230.2	17.7	499.1	1468.8	243.5	21.0	541.0
	8	1082.1	186.1	15.6	396.0	1217.4	209.4	14.9	445.5	1386.5	238.5	18.9	504.2	1521.7	252.6	22.4	546.5
	9	1119.8	192.6	16.6	400.0	1259.8	216.7	15.9	450.0	1434.7	246.8	20.1	509.3	1574.7	261.7	23.8	552.0
	10	1157.5	199.1	17.6	404.0	1302.1	224.0	16.9	454.5	1483.0	255.1	21.4	514.4	1627.7	270.8	25.3	557.5
	11	1195.1	205.6	18.6	408.0	1344.5	231.3	17.9	459.0	1531.2	263.4	22.6	519.5	1680.6	280.0	26.8	563.1
	12	1232.8	212.0	19.7	412.0	1386.9	238.5	18.9	463.6	1579.5	271.7	24.0	524.6	1733.6	289.1	28.4	568.6
	13	1270.4	218.5	20.8	416.1	1429.3	245.8	20.0	468.1	1627.8	280.0	25.3	529.7	1786.6	298.2	30.0	574.1
	14	1308.1	225.0	22.0	420.1	1471.6	253.1	21.1	472.6	1676.0	288.3	26.7	534.8	1839.5	307.3	31.6	579.6
	15	1345.8	231.5	23.1	424.1	1514.0	260.4	22.2	477.1	1724.3	296.6	28.1	539.9	1892.5	316.4	33.3	585.1
43	5	925.5	159.2	11.7	405.0	1041.2	179.1	11.2	455.6	1185.8	204.0	14.2	515.6	1301.5	325.5	16.8	558.8
	6	962.3	165.5	12.6	409.1	1082.6	186.2	12.0	460.2	1233.0	212.1	15.3	520.9	1353.2	223.9	18.1	564.5
	7	999.1	171.9	13.5	413.2	1124.0	193.3	12.9	464.9	1280.1	220.2	16.3	526.1	1405.0	232.8	19.4	570.2
	8	1036.0	178.2	14.4	417.4	1165.4	200.5	13.8	469.5	1327.3	228.3	17.4	531.4	1456.8	241.7	20.7	575.9
	9	1072.8	184.5	15.3	421.5	1206.9	207.6	14.7	474.2	1374.5	236.4	18.6	536.6	1508.6	250.6	22.0	581.6
	10	1109.6	190.9	16.3	425.6	1248.3	214.7	15.6	478.8	1421.7	244.5	19.8	541.9	1560.4	259.5	23.4	587.3
	11	1146.4	197.2	17.3	429.7	1289.7	221.8	16.6	483.4	1468.9	252.6	21.0	547.1	1612.2	268.4	24.9	593.0
	12	1183.3	203.5	18.3	433.9	1331.2	229.0	17.5	488.1	1516.0	260.8	22.2	552.4	1664.0	277.3	26.3	598.7
	13	1220.1	209.9	19.3	438.0	1372.6	236.1	18.5	492.7	1563.2	268.9	23.5	557.6	1715.7	286.2	27.8	604.4
	14	1256.9	216.2	20.4	442.1	1414.0	243.2	19.6	497.4	1610.4	277.0	24.8	562.9	1767.5	295.1	29.4	610.0
	15	1293.7	222.5	21.5	446.2	1455.5	250.3	20.6	502.0	1657.6	285.1	26.2	568.1	1819.3	304.0	31.0	615.7
46	5	881.8	151.7	10.7	425.9	992.1	170.6	10.3	479.2	1129.8	194.3	13.0	542.3	1240.1	312.9	15.4	587.8
	6	917.8	157.9	11.5	430.2	1032.5	177.6	11.0	484.0	1176.0	202.3	14.0	547.7	1290.7	213.3	16.6	593.6
	7	953.8	164.1	12.4	434.4	1073.0	184.6	11.8	488.7	1222.1	210.2	15.0	553.1	1341.3	222.0	17.8	599.5
	8	989.8	170.2	13.2	438.7	1113.5	191.5	12.7	493.5	1268.2	218.1	16.1	558.5	1391.9	230.7	19.0	605.3
	9	1025.8	176.4	14.1	442.9	1154.0	198.5	13.5	498.3	1314.3	226.1	17.1	563.9	1442.5	239.4	20.3	611.2
	10	1061.8	182.6	15.0	447.2	1194.5	205.5	14.4	503.1	1360.4	234.0	18.2	569.3	1493.1	248.1	21.6	617.0
	11	1097.7	188.8	16.0	451.4	1235.0	212.4	15.3	507.8	1406.5	241.9	19.4	574.7	1543.7	256.8	23.0	622.9
	12	1133.7	195.0	16.9	455.7	1275.4	219.4	16.2	512.6	1452.6	249.8	20.6	580.1	1594.3	265.5	24.4	628.8
	13	1169.7	201.2	17.9	459.9	1315.9	226.3	17.2	517.4	1498.7	257.8	21.8	585.5	1644.9	274.2	25.8	634.6
	14	1205.7	207.4	18.9	464.1	1356.4	233.3	18.2	522.2	1544.8	265.7	23.0	590.9	1695.5	282.9	27.3	640.5
	15	1241.7	213.6	20.0	468.4	1396.9	240.3	19.2	526.9	1590.9	273.6	24.3	596.3	1746.1	291.6	28.8	646.3

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		7 x RCME-120AH2				7 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
25	5	2394.2	411.8	18.7	525.2	2693.5	463.3	17.9	590.8
	6	2476.4	425.9	19.9	532.0	2785.9	479.2	19.1	598.6
	7	2558.6	440.1	21.1	538.9	2878.4	495.1	20.2	606.3
	8	2640.8	454.2	22.3	545.8	2970.9	511.0	21.4	614.0
	9	2723.0	468.4	23.6	552.7	3063.4	526.9	22.6	621.8
	10	2805.2	482.5	24.9	559.6	3155.9	542.8	23.9	629.5
	11	2887.4	496.6	26.3	566.5	3248.3	558.7	25.2	637.3
	12	2969.6	510.8	27.6	573.3	3340.8	574.6	26.5	645.0
	13	3051.8	524.9	29.0	580.2	3433.3	590.5	27.9	652.8
	14	3134.0	539.1	30.5	587.1	3525.8	606.4	29.3	660.5
	15	3216.2	553.2	31.9	594.0	3618.3	622.3	30.7	668.2
25	5	2315.3	398.2	17.6	586.3	2604.8	448.0	16.9	659.6
	6	2397.0	412.3	18.7	593.5	2696.6	463.8	18.0	667.7
	7	2478.6	426.3	19.9	600.6	2788.4	479.6	19.1	675.7
	8	2560.3	440.4	21.1	607.8	2880.3	495.4	20.2	683.7
	9	2641.9	454.4	22.3	614.9	2972.1	511.2	21.4	691.8
	10	2723.5	468.4	23.6	622.0	3064.0	527.0	22.7	699.8
	11	2805.2	482.5	24.9	629.2	3155.8	542.8	23.9	707.8
	12	2886.8	496.5	26.2	636.3	3247.7	558.6	25.2	715.9
	13	2968.4	510.6	27.6	643.5	3339.5	574.4	26.5	723.9
	14	3050.1	524.6	29.0	650.6	3431.3	590.2	27.8	731.9
	15	3131.7	538.7	30.4	657.8	3523.2	606.0	29.2	740.0
30	5	2229.2	383.4	16.4	644.0	2507.9	431.4	15.7	724.5
	6	2310.2	397.3	17.5	651.4	2598.9	447.0	16.8	732.8
	7	2391.1	411.3	18.6	658.8	2690.0	462.7	17.9	741.1
	8	2472.0	425.2	19.8	666.1	2781.0	478.3	19.0	749.4
	9	2553.0	439.1	21.0	673.5	2872.1	494.0	20.1	757.7
	10	2633.9	453.0	22.2	680.9	2963.1	509.7	21.3	766.0
	11	2714.8	466.9	23.5	688.3	3054.2	525.3	22.5	774.3
	12	2795.7	480.9	24.8	695.7	3145.2	541.0	23.8	782.6
	13	2876.7	494.8	26.1	703.1	3236.3	556.6	25.0	791.0
	14	2957.6	508.7	27.4	710.5	3327.3	572.3	26.3	799.3
	15	3038.5	522.6	28.8	717.8	3418.4	588.0	27.7	807.6
35	5	2083.7	358.4	14.5	698.2	2344.2	403.2	13.9	785.4
	6	2161.9	371.8	15.5	705.8	2432.1	418.3	14.9	794.0
	7	**2240.0**	**385.3**	**16.6**	**713.4**	**2520.0**	**433.4**	**15.9**	**802.5**
	8	2318.1	398.7	17.6	721.0	2607.9	448.6	16.9	811.1
	9	2396.3	412.2	18.7	728.6	2695.8	463.7	17.9	819.7
	10	2474.4	425.6	19.8	736.2	2783.7	478.8	19.0	828.2
	11	2552.5	439.0	21.0	743.8	2871.6	493.9	20.1	836.8
	12	2630.7	452.5	22.2	751.4	2959.5	509.0	21.3	845.3
	13	2708.8	465.9	23.4	759.0	3047.4	524.2	22.4	853.9
	14	2786.9	479.3	24.6	766.6	3135.3	539.3	23.6	862.4
	15	2865.0	492.8	25.9	774.2	3223.2	554.4	24.8	871.0

		7 x RCME-120AH2				7 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1938.2	333.4	12.7	768.0	2180.5	375.1	12.2	864.0
	6	2013.6	346.3	13.7	776.1	2265.3	389.6	13.1	873.1
	7	2088.9	359.3	14.6	784.1	2350.0	404.2	14.0	882.1
	8	2164.2	372.2	15.6	792.1	2434.8	418.8	14.9	891.1
	9	2239.6	385.2	16.6	800.1	2519.5	433.4	15.9	900.1
	10	2314.9	398.2	17.6	808.1	2604.3	447.9	16.9	909.1
	11	2390.2	411.1	18.6	816.1	2689.0	462.5	17.9	918.1
	12	2465.6	424.1	19.7	824.1	2773.8	477.1	18.9	927.1
	13	2540.9	437.0	20.8	832.1	2858.5	491.7	20.0	936.1
	14	2616.2	450.0	22.0	840.1	2943.3	506.2	21.1	945.1
	15	2691.6	462.9	23.1	848.1	3028.0	520.8	22.2	954.1
43	5	1851.0	318.4	11.7	810.0	2082.3	358.2	11.2	911.2
	6	1924.6	331.0	12.6	818.2	2165.2	372.4	12.0	920.5
	7	1998.3	343.7	13.5	826.5	2248.0	386.7	12.9	929.8
	8	2071.9	356.4	14.4	834.7	2330.9	400.9	13.8	939.1
	9	2145.6	369.0	15.3	843.0	2413.8	415.2	14.7	948.3
	10	2219.2	381.7	16.3	851.2	2496.6	429.4	15.6	957.6
	11	2292.9	394.4	17.3	859.5	2579.5	443.7	16.6	966.9
	12	2366.5	407.0	18.3	867.7	2662.3	457.9	17.5	976.2
	13	2440.2	419.7	19.3	876.0	2745.2	472.2	18.5	985.4
	14	2513.8	432.4	20.4	884.2	2828.0	486.4	19.6	994.7
	15	2587.5	445.0	21.5	892.4	2910.9	500.7	20.6	1004.0
46	5	1763.7	303.4	10.7	851.9	1984.1	341.3	10.3	958.4
	6	1835.6	315.7	11.5	860.4	2065.1	355.2	11.0	967.9
	7	1907.6	328.1	12.4	868.9	2146.1	369.1	11.8	977.5
	8	1979.6	340.5	13.2	877.4	2227.0	383.0	12.7	987.0
	9	2051.5	352.9	14.1	885.9	2308.0	397.0	13.5	996.6
	10	2123.5	365.2	15.0	894.3	2389.0	410.9	14.4	1006.1
	11	2195.5	377.6	16.0	902.8	2469.9	424.8	15.3	1015.7
	12	2267.5	390.0	16.9	911.3	2550.9	438.8	16.2	1025.2
	13	2339.4	402.4	17.9	919.8	2631.9	452.7	17.2	1034.8
	14	2411.4	414.8	18.9	928.3	2712.8	466.6	18.2	1044.3
	15	2483.4	427.1	20.0	936.8	2793.8	480.5	19.2	1053.9

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 8 Modules

(Pump not included)

		8 x RCME-60AH2				8 x RCME-70AH2				8 x RCME-80AH2				8 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	1368.1	235.3	18.7	300.1	1539.1	264.7	17.9	337.6	1752.9	301.5	22.7	382.1	1923.9	330.9	26.9	414.1
	6	1415.1	243.4	19.9	304.0	1592.0	273.8	19.1	342.0	1813.1	311.8	24.1	387.1	1990.0	342.3	28.6	419.5
	7	1462.1	251.5	21.1	308.0	1644.8	282.9	20.2	346.5	1873.3	322.2	25.6	392.1	2056.0	353.6	30.4	424.9
	8	1509.0	259.6	22.3	311.9	1697.7	292.0	21.4	350.9	1933.4	332.6	27.1	397.1	2122.1	365.0	32.2	430.4
	9	1556.0	267.6	23.6	315.8	1750.5	301.1	22.6	355.3	1993.6	342.9	28.7	402.1	2188.1	0.0	34.0	435.8
	10	1603.0	275.7	24.9	319.8	1803.4	310.2	23.9	359.7	2053.8	353.3	30.3	407.1	2254.2	376.4	35.9	441.2
	11	1650.0	283.8	26.3	323.7	1856.2	319.3	25.2	364.2	2114.0	363.6	31.9	412.1	2320.2	387.7	37.8	446.7
	12	1696.9	291.9	27.6	327.6	1909.0	328.4	26.5	368.6	2174.2	374.0	33.6	417.1	2386.3	399.1	39.8	452.1
	13	1743.9	300.0	29.0	331.6	1961.9	337.4	27.9	373.0	2234.4	384.3	35.3	422.1	2452.4	410.4	41.9	457.5
	14	1790.9	308.0	30.5	335.5	2014.7	346.5	29.3	377.4	2294.6	394.7	37.1	427.1	2518.4	421.8	43.9	462.9
	15	1837.9	316.1	31.9	339.4	2067.6	355.6	30.7	381.8	2354.7	405.0	38.9	432.1	2584.5	433.2	46.0	468.4
25	5	1323.1	227.6	17.6	335.0	1488.4	256.0	16.9	376.9	1695.2	291.6	21.4	426.6	1860.5	444.5	25.3	462.3
	6	1369.7	235.6	18.7	339.1	1540.9	265.0	18.0	381.5	1754.9	301.8	22.8	431.8	1926.1	320.0	27.0	468.0
	7	1416.4	243.6	19.9	343.2	1593.4	274.1	19.1	386.1	1814.7	312.1	24.2	437.0	1991.7	331.3	28.7	473.6
	8	1463.0	251.6	21.1	347.3	1645.9	283.1	20.2	390.7	1874.5	322.4	25.7	442.1	2057.4	342.6	30.4	479.2
	9	1509.7	259.7	22.3	351.4	1698.4	292.1	21.4	395.3	1934.2	332.7	27.2	447.3	2123.0	353.9	32.2	484.9
	10	1556.3	267.7	23.6	355.5	1750.8	301.1	22.7	399.9	1994.0	343.0	28.7	452.5	2188.6	365.1	34.0	490.5
	11	1603.0	275.7	24.9	359.5	1803.3	310.2	23.9	404.5	2053.8	353.3	30.3	457.7	2254.2	376.4	35.9	496.1
	12	1649.6	283.7	26.2	363.6	1855.8	319.2	25.2	409.1	2113.6	363.5	31.9	462.9	2319.8	387.7	37.8	501.7
	13	1696.3	291.8	27.6	367.7	1908.3	328.2	26.5	413.7	2173.3	373.8	33.6	468.1	2385.4	399.0	39.8	507.4
	14	1742.9	299.8	29.0	371.8	1960.8	337.3	27.8	418.3	2233.1	384.1	35.3	473.3	2451.0	410.3	41.8	513.0
	15	1789.6	307.8	30.4	375.9	2013.3	346.3	29.2	422.8	2292.9	394.4	37.0	478.5	2516.6	421.6	43.9	518.6
30	5	1273.8	219.1	16.4	368.0	1433.1	246.5	15.7	414.0	1632.1	280.7	19.9	468.5	1791.3	432.8	23.6	507.8
	6	1320.1	227.1	17.5	372.2	1485.1	255.4	16.8	418.7	1691.4	290.9	21.3	473.9	1856.4	308.1	25.2	513.6
	7	1366.3	235.0	18.6	376.4	1537.1	264.4	17.9	423.5	1750.6	301.1	22.7	479.3	1921.4	319.3	26.8	519.4
	8	1412.6	243.0	19.8	380.7	1589.2	273.3	19.0	428.2	1809.9	311.3	24.1	484.6	1986.4	330.5	28.5	525.3
	9	1458.8	250.9	21.0	384.9	1641.2	282.3	20.1	433.0	1869.1	321.5	25.5	490.0	2051.5	341.7	30.2	531.1
	10	1505.1	258.9	22.2	389.1	1693.2	291.2	21.3	437.7	1928.4	331.7	27.0	495.4	2116.5	352.9	32.0	536.9
	11	1551.3	266.8	23.5	393.3	1745.2	300.2	22.5	442.5	1987.6	341.9	28.5	500.7	2181.5	364.0	33.8	542.7
	12	1597.6	274.8	24.8	397.5	1797.3	309.1	23.8	447.2	2046.9	352.1	30.1	506.1	2246.6	375.2	35.7	548.6
	13	1643.8	282.7	26.1	401.8	1849.3	318.1	25.0	452.0	2106.1	362.3	31.7	511.5	2311.6	386.4	37.6	554.4
	14	1690.1	290.7	27.4	406.0	1901.3	327.0	26.3	456.7	2165.4	372.4	33.4	516.9	2376.6	397.6	39.5	560.2
	15	1736.3	298.6	28.8	410.2	1953.3	336.0	27.7	461.5	2224.6	382.6	35.0	522.2	2441.7	408.8	41.5	566.0
35	5	1190.7	204.8	14.5	399.0	1339.5	230.4	13.9	448.8	1525.6	262.4	17.6	507.9	1674.4	420.0	20.9	550.5
	6	1235.4	212.5	15.5	403.3	1389.8	239.0	14.9	453.7	1582.8	272.2	18.9	513.5	1737.2	288.0	22.3	556.5
	7	**1280.0**	**220.2**	**16.6**	**407.6**	**1440.0**	**247.7**	**15.9**	**458.6**	**1640.0**	**282.1**	**20.1**	**519.0**	**1800.0**	**298.8**	**23.8**	**562.5**
	8	1324.6	227.8	17.6	412.0	1490.2	256.3	16.9	463.5	1697.2	291.9	21.4	524.5	1862.8	309.6	25.4	568.5
	9	1369.3	235.5	18.7	416.3	1540.5	265.0	17.9	468.4	1754.4	301.8	22.7	530.1	1925.6	320.4	26.9	574.5
	10	1413.9	243.2	19.8	420.7	1590.7	273.6	19.0	473.3	1811.6	311.6	24.1	535.6	1988.4	331.2	28.6	580.5
	11	1458.6	250.9	21.0	425.0	1640.9	282.2	20.1	478.2	1868.8	321.4	25.5	541.1	2051.1	342.0	30.2	586.5
	12	1503.2	258.6	22.2	429.4	1691.1	290.9	21.3	483.0	1926.0	331.3	27.0	546.7	2113.9	352.8	31.9	592.5
	13	1547.9	266.2	23.4	433.7	1741.4	299.5	22.4	487.9	1983.2	341.1	28.4	552.2	2176.7	363.6	33.7	598.5
	14	1592.5	273.9	24.6	438.1	1791.6	308.2	23.6	492.8	2040.4	351.0	29.9	557.7	2239.5	374.4	35.5	604.5
	15	1637.2	281.6	25.9	442.4	1841.8	316.8	24.8	497.7	2097.6	360.8	31.5	563.3	2302.3	385.2	37.3	610.5

		8 x RCME-60AH2				8 x RCME-70AH2				8 x RCME-80AH2				8 x RCME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1107.6	190.5	12.7	438.9	1246.0	214.3	12.2	493.7	1419.1	244.1	15.5	558.8	1557.5	396.0	18.3	605.6
	6	1150.6	197.9	13.7	443.5	1294.4	222.6	13.1	498.9	1474.2	253.6	16.6	564.6	1618.1	267.9	19.6	611.9
	7	1193.7	205.3	14.6	448.0	1342.9	231.0	14.0	504.0	1529.4	263.1	17.7	570.4	1678.6	278.3	21.0	618.2
	8	1236.7	212.7	15.6	452.6	1391.3	239.3	14.9	509.2	1584.5	272.5	18.9	576.2	1739.1	288.7	22.4	624.5
	9	1279.8	220.1	16.6	457.2	1439.7	247.6	15.9	514.3	1639.7	282.0	20.1	582.1	1799.7	299.1	23.8	630.9
	10	1322.8	227.5	17.6	461.8	1488.2	256.0	16.9	519.5	1694.8	291.5	21.4	587.9	1860.2	309.5	25.3	637.2
	11	1365.8	234.9	18.6	466.3	1536.6	264.3	17.9	524.6	1750.0	301.0	22.6	593.7	1920.7	320.0	26.8	643.5
	12	1408.9	242.3	19.7	470.9	1585.0	272.6	18.9	529.8	1805.1	310.5	24.0	599.5	1981.3	330.4	28.4	649.8
	13	1451.9	249.7	20.8	475.5	1633.4	281.0	20.0	534.9	1860.3	320.0	25.3	605.4	2041.8	340.8	30.0	656.1
	14	1495.0	257.1	22.0	480.1	1681.9	289.3	21.1	540.1	1915.5	329.5	26.7	611.2	2102.3	351.2	31.6	662.4
	15	1538.0	264.5	23.1	484.6	1730.3	297.6	22.2	545.2	1970.6	338.9	28.1	617.0	2162.9	361.6	33.3	668.7
43	5	1057.7	181.9	11.7	462.8	1189.9	204.7	11.2	520.7	1355.2	233.1	14.2	589.3	1487.4	372.0	16.8	638.7
	6	1099.8	189.2	12.6	467.6	1237.2	212.8	12.0	526.0	1409.1	242.4	15.3	595.3	1546.6	255.8	18.1	645.2
	7	1141.9	196.4	13.5	472.3	1284.6	221.0	12.9	531.3	1463.0	251.6	16.3	601.3	1605.7	266.0	19.4	651.7
	8	1183.9	203.6	14.4	477.0	1331.9	229.1	13.8	536.6	1516.9	260.9	17.4	607.3	1664.9	276.2	20.7	658.2
	9	1226.0	210.9	15.3	481.7	1379.3	237.2	14.7	541.9	1570.9	270.2	18.6	613.3	1724.1	286.4	22.0	664.7
	10	1268.1	218.1	16.3	486.4	1426.6	245.4	15.6	547.2	1624.8	279.5	19.8	619.3	1783.3	296.5	23.4	671.2
	11	1310.2	225.4	17.3	491.1	1474.0	253.5	16.6	552.5	1678.7	288.7	21.0	625.3	1842.5	306.7	24.9	677.7
	12	1352.3	232.6	18.3	495.8	1521.3	261.7	17.5	557.8	1732.6	298.0	22.2	631.3	1901.7	316.9	26.3	684.2
	13	1394.4	239.8	19.3	500.5	1568.7	269.8	18.5	563.1	1786.6	307.3	23.5	637.3	1960.8	327.1	27.8	690.7
	14	1436.5	247.1	20.4	505.3	1616.0	278.0	19.6	568.4	1840.5	316.6	24.8	643.3	2020.0	337.3	29.4	697.2
	15	1478.6	254.3	21.5	510.0	1663.4	286.1	20.6	573.7	1894.4	325.8	26.2	649.3	2079.2	347.4	31.0	703.7
46	5	1007.8	173.3	10.7	486.8	1133.8	195.0	10.3	547.6	1291.3	222.1	13.0	619.8	1417.2	357.6	15.4	671.7
	6	1048.9	180.4	11.5	491.6	1180.1	203.0	11.0	553.1	1343.9	231.2	14.0	625.9	1475.1	243.8	16.6	678.4
	7	1090.1	187.5	12.4	496.5	1226.3	210.9	11.8	558.6	1396.6	240.2	15.0	632.1	1532.9	253.7	17.8	685.1
	8	1131.2	194.6	13.2	501.4	1272.6	218.9	12.7	564.0	1449.3	249.3	16.1	638.3	1590.7	263.7	19.0	691.8
	9	1172.3	201.6	14.1	506.2	1318.9	226.8	13.5	569.5	1502.0	258.3	17.1	644.5	1648.6	273.6	20.3	698.5
	10	1213.4	208.7	15.0	511.1	1365.1	234.8	14.4	574.9	1554.7	267.4	18.2	650.6	1706.4	283.6	21.6	705.2
	11	1254.6	215.8	16.0	515.9	1411.4	242.8	15.3	580.4	1607.4	276.5	19.4	656.8	1764.2	293.5	23.0	711.9
	12	1295.7	222.9	16.9	520.8	1457.7	250.7	16.2	585.8	1660.1	285.5	20.6	663.0	1822.1	303.4	24.4	718.6
	13	1336.8	229.9	17.9	525.6	1503.9	258.7	17.2	591.3	1712.8	294.6	21.8	669.2	1879.9	313.4	25.8	725.3
	14	1377.9	237.0	18.9	530.5	1550.2	266.6	18.2	596.8	1765.5	303.7	23.0	675.3	1937.7	323.3	27.3	732.0
	15	1419.1	244.1	20.0	535.3	1596.5	274.6	19.2	602.2	1818.2	312.7	24.3	681.5	1995.6	333.3	28.8	738.7

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		8 x RCME-120AH2				8 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
25	5	2736.2	470.6	18.7	600.2	3078.2	529.5	17.9	675.2
	6	2830.2	486.8	19.9	608.1	3183.9	547.6	19.1	684.1
	7	2924.1	502.9	21.1	615.9	3289.6	565.8	20.2	692.9
	8	3018.1	519.1	22.3	623.8	3395.3	584.0	21.4	701.8
	9	3112.0	535.3	23.6	631.7	3501.0	602.2	22.6	710.6
	10	3206.0	551.4	24.9	639.5	3606.7	620.4	23.9	719.5
	11	3299.9	567.6	26.3	647.4	3712.4	638.5	25.2	728.3
	12	3393.9	583.7	27.6	655.2	3818.1	656.7	26.5	737.2
	13	3487.8	599.9	29.0	663.1	3923.8	674.9	27.9	746.0
	14	3581.8	616.1	30.5	671.0	4029.5	693.1	29.3	754.8
	15	3675.7	632.2	31.9	678.8	4135.2	711.2	30.7	763.7
25	5	2646.1	455.1	17.6	670.1	2976.9	512.0	16.9	753.8
	6	2739.4	471.2	18.7	678.3	3081.8	530.1	18.0	763.0
	7	2832.7	487.2	19.9	686.4	3186.8	548.1	19.1	772.2
	8	2926.0	503.3	21.1	694.6	3291.8	566.2	20.2	781.4
	9	3019.3	519.3	22.3	702.7	3396.7	584.2	21.4	790.6
	10	3112.6	535.4	23.6	710.9	3501.7	602.3	22.7	799.8
	11	3205.9	551.4	24.9	719.1	3606.7	620.3	23.9	809.0
	12	3299.2	567.5	26.2	727.2	3711.6	638.4	25.2	818.1
	13	3392.5	583.5	27.6	735.4	3816.6	656.5	26.5	827.3
	14	3485.8	599.6	29.0	743.6	3921.5	674.5	27.8	836.5
	15	3579.1	615.6	30.4	751.7	4026.5	692.6	29.2	845.7
30	5	2547.7	438.2	16.4	736.0	2866.1	493.0	15.7	828.0
	6	2640.2	454.1	17.5	744.4	2970.2	510.9	16.8	837.5
	7	2732.7	470.0	18.6	752.9	3074.3	528.8	17.9	847.0
	8	2825.2	485.9	19.8	761.3	3178.3	546.7	19.0	856.5
	9	2917.7	501.8	21.0	769.7	3282.4	564.6	20.1	866.0
	10	3010.2	517.7	22.2	778.2	3386.4	582.5	21.3	875.5
	11	3102.6	533.7	23.5	786.6	3490.5	600.4	22.5	885.0
	12	3195.1	549.6	24.8	795.1	3594.5	618.3	23.8	894.5
	13	3287.6	565.5	26.1	803.5	3698.6	636.2	25.0	903.9
	14	3380.1	581.4	27.4	811.9	3802.6	654.1	26.3	913.4
	15	3472.6	597.3	28.8	820.4	3906.7	672.0	27.7	922.9
35	5	2381.4	409.6	14.5	797.9	2679.1	460.8	13.9	897.6
	6	2470.7	425.0	15.5	806.6	2779.5	478.1	14.9	907.4
	7	**2560.0**	**440.3**	**16.6**	**815.3**	**2880.0**	**495.4**	**15.9**	**917.2**
	8	2649.3	455.7	17.6	824.0	2980.5	512.6	16.9	927.0
	9	2738.6	471.0	18.7	832.7	3080.9	529.9	17.9	936.8
	10	2827.9	486.4	19.8	841.4	3181.4	547.2	19.0	946.5
	11	2917.2	501.8	21.0	850.1	3281.8	564.5	20.1	956.3
	12	3006.5	517.1	22.2	858.7	3382.3	581.8	21.3	966.1
	13	3095.8	532.5	23.4	867.4	3482.7	599.0	22.4	975.9
	14	3185.0	547.8	24.6	876.1	3583.2	616.3	23.6	985.7
	15	3274.3	563.2	25.9	884.8	3683.6	633.6	24.8	995.4

		8 x RCME-120AH2				8 x RCME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	2215.1	381.0	12.7	877.8	2492.0	428.6	12.2	987.5
	6	2301.2	395.8	13.7	886.9	2588.9	445.3	13.1	997.8
	7	2387.3	410.6	14.6	896.1	2685.7	461.9	14.0	1008.1
	8	2473.4	425.4	15.6	905.2	2782.6	478.6	14.9	1018.4
	9	2559.5	440.2	16.6	914.4	2879.5	495.3	15.9	1028.7
	10	2645.6	455.0	17.6	923.5	2976.3	511.9	16.9	1039.0
	11	2731.7	469.9	18.6	932.7	3073.2	528.6	17.9	1049.3
	12	2817.8	484.7	19.7	941.8	3170.0	545.2	18.9	1059.5
	13	2903.9	499.5	20.8	951.0	3266.9	561.9	20.0	1069.8
	14	2990.0	514.3	22.0	960.1	3363.7	578.6	21.1	1080.1
	15	3076.1	529.1	23.1	969.3	3460.6	595.2	22.2	1090.4
43	5	2115.4	363.8	11.7	925.7	2379.8	409.3	11.2	1041.4
	6	2199.6	378.3	12.6	935.1	2474.5	425.6	12.0	1052.0
	7	2283.7	392.8	13.5	944.5	2569.2	441.9	12.9	1062.6
	8	2367.9	407.3	14.4	954.0	2663.9	458.2	13.8	1073.2
	9	2452.1	421.8	15.3	963.4	2758.6	474.5	14.7	1083.8
	10	2536.2	436.2	16.3	972.8	2853.3	490.8	15.6	1094.4
	11	2620.4	450.7	17.3	982.2	2948.0	507.1	16.6	1105.0
	12	2704.6	465.2	18.3	991.7	3042.7	523.3	17.5	1115.6
	13	2788.8	479.7	19.3	1001.1	3137.4	539.6	18.5	1126.2
	14	2872.9	494.1	20.4	1010.5	3232.1	555.9	19.6	1136.8
	15	2957.1	508.6	21.5	1019.9	3326.7	572.2	20.6	1147.4
46	5	2015.6	346.7	10.7	973.6	2267.6	390.0	10.3	1095.3
	6	2097.9	360.8	11.5	983.3	2360.1	405.9	11.0	1106.2
	7	2180.1	375.0	12.4	993.0	2452.6	421.9	11.8	1117.1
	8	2262.4	389.1	13.2	1002.7	2545.2	437.8	12.7	1128.0
	9	2344.6	403.3	14.1	1012.4	2637.7	453.7	13.5	1139.0
	10	2426.9	417.4	15.0	1022.1	2730.2	469.6	14.4	1149.9
	11	2509.1	431.6	16.0	1031.8	2822.8	485.5	15.3	1160.8
	12	2591.4	445.7	16.9	1041.5	2915.3	501.4	16.2	1171.7
	13	2673.6	459.9	17.9	1051.2	3007.8	517.3	17.2	1182.6
	14	2755.9	474.0	18.9	1060.9	3100.4	533.3	18.2	1193.5
	15	2838.1	488.2	20.0	1070.6	3192.9	549.2	19.2	1204.4

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

4.2.1.2 Performance Table at full load - RHME-AH2

◆ 2 Modules

(Pump not included)

		2 x RHME-60AH2				2 x RHME-70AH2				2 x RHME-80AH2				2 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	320.7	55.2	12.9	74.9	363.4	62.5	16.1	84.8	416.8	71.7	17.0	96.7	448.9	77.2	19.5	102.7
	6	331.7	57.0	13.7	75.8	375.9	64.7	17.2	86.0	431.2	74.2	18.1	97.9	464.3	79.9	20.8	104.1
	7	342.7	58.9	14.5	76.8	388.4	66.8	18.2	87.1	445.5	76.6	19.3	99.2	479.7	82.5	22.1	105.4
	8	353.7	60.8	15.4	77.8	400.8	68.9	19.3	88.2	459.8	79.1	20.4	100.5	495.2	85.2	23.4	106.8
	9	364.7	62.7	16.3	78.8	413.3	71.1	20.4	89.3	474.1	81.5	21.6	101.7	510.6	87.8	24.7	108.1
	10	375.7	64.6	17.2	79.8	425.8	73.2	21.5	90.4	488.4	84.0	22.8	103.0	526.0	90.5	26.1	109.5
	11	386.7	66.5	18.1	80.8	438.3	75.4	22.7	91.5	502.7	86.5	24.0	104.3	541.4	93.1	27.5	110.8
	12	397.7	68.4	19.0	81.7	450.7	77.5	23.9	92.6	517.0	88.9	25.3	105.5	556.8	95.8	29.0	112.1
	13	408.7	70.3	20.0	82.7	463.2	79.7	25.1	93.7	531.3	91.4	26.6	106.8	572.2	98.4	30.5	113.5
	14	419.7	72.2	21.0	83.7	475.7	81.8	26.4	94.9	545.7	93.9	27.9	108.1	587.6	101.1	32.0	114.8
	15	430.7	74.1	22.0	84.7	488.2	84.0	27.6	96.0	560.0	96.3	29.3	109.3	603.0	103.7	33.5	116.2
25	5	310.1	53.3	12.1	83.6	351.4	60.4	15.2	94.7	403.1	69.3	16.0	107.9	434.1	74.7	18.4	114.7
	6	321.0	55.2	12.9	84.6	363.8	62.6	16.2	95.9	417.3	71.8	17.1	109.2	449.4	77.3	19.6	116.1
	7	332.0	57.1	13.7	85.6	376.2	64.7	17.2	97.0	431.5	74.2	18.2	110.6	464.7	79.9	20.8	117.5
	8	342.9	59.0	14.5	86.6	388.6	66.8	18.2	98.2	445.8	76.7	19.3	111.9	480.0	82.6	22.1	118.9
	9	353.8	60.9	15.4	87.7	401.0	69.0	19.3	99.3	460.0	79.1	20.4	113.2	495.4	85.2	23.4	120.3
	10	364.8	62.7	16.3	88.7	413.4	71.1	20.4	100.5	474.2	81.6	21.6	114.5	510.7	87.8	24.7	121.7
	11	375.7	64.6	17.2	89.7	425.8	73.2	21.5	101.7	488.4	84.0	22.8	115.8	526.0	90.5	26.1	123.1
	12	386.6	66.5	18.1	90.7	438.2	75.4	22.7	102.8	502.6	86.4	24.0	117.1	541.3	93.1	27.5	124.5
	13	397.6	68.4	19.0	91.7	450.6	77.5	23.9	104.0	516.8	88.9	25.3	118.4	556.6	95.7	28.9	125.9
	14	408.5	70.3	20.0	92.7	463.0	79.6	25.1	105.1	531.0	91.3	26.6	119.8	571.9	98.4	30.4	127.3
	15	419.4	72.1	21.0	93.8	475.4	81.8	26.3	106.3	545.3	93.8	27.9	121.1	587.2	101.0	31.9	128.7
30	5	298.6	51.4	11.3	91.8	338.4	58.2	14.2	104.0	388.1	66.8	15.0	118.5	418.0	71.9	17.1	126.0
	6	309.4	53.2	12.0	92.9	350.6	60.3	15.1	105.2	402.2	69.2	16.0	119.9	433.2	74.5	18.3	127.4
	7	320.2	55.1	12.8	93.9	362.9	62.4	16.1	106.4	416.3	71.6	17.0	121.3	448.3	77.1	19.5	128.9
	8	331.1	56.9	13.6	95.0	375.2	64.5	17.1	107.6	430.4	74.0	18.1	122.6	463.5	79.7	20.7	130.3
	9	341.9	58.8	14.4	96.0	387.5	66.7	18.1	108.8	444.5	76.5	19.2	124.0	478.7	82.3	22.0	131.7
	10	352.8	60.7	15.3	97.1	399.8	68.8	19.2	110.0	458.6	78.9	20.3	125.3	493.9	84.9	23.3	133.2
	11	363.6	62.5	16.2	98.1	412.1	70.9	20.3	111.2	472.7	81.3	21.5	126.7	509.0	87.6	24.6	134.6
	12	374.4	64.4	17.0	99.2	424.4	73.0	21.4	112.4	486.8	83.7	22.6	128.1	524.2	90.2	25.9	136.1
	13	385.3	66.3	18.0	100.2	436.6	75.1	22.6	113.6	500.8	86.1	23.9	129.4	539.4	92.8	27.3	137.5
	14	396.1	68.1	18.9	101.3	448.9	77.2	23.7	114.8	514.9	88.6	25.1	130.8	554.6	95.4	28.8	139.0
	15	406.9	70.0	19.8	102.3	461.2	79.3	24.9	116.0	529.0	91.0	26.4	132.1	569.7	98.0	30.2	140.4
35	5	279.1	48.0	10.0	99.5	316.3	54.4	12.5	112.8	362.8	62.4	13.2	128.5	390.7	67.2	15.1	136.6
	6	289.5	49.8	10.7	100.6	328.1	56.4	13.4	114.0	376.4	64.7	14.1	129.9	405.4	69.7	16.2	138.0
	7	**300.0**	**51.6**	**11.4**	**101.7**	**340.0**	**58.5**	**14.3**	**115.3**	**390.0**	**67.1**	**15.1**	**131.3**	**420.0**	**72.2**	**17.3**	**139.5**
	8	310.5	53.4	12.1	102.8	351.9	60.5	15.2	116.5	403.6	69.4	16.1	132.7	434.6	74.8	18.4	141.0
	9	320.9	55.2	12.9	103.9	363.7	62.6	16.2	117.7	417.2	71.8	17.1	134.1	449.3	77.3	19.6	142.5
	10	331.4	57.0	13.6	104.9	375.6	64.6	17.1	118.9	430.8	74.1	18.1	135.5	463.9	79.8	20.7	144.0
	11	341.9	58.8	14.4	106.0	387.4	66.6	18.1	120.2	444.4	76.4	19.2	136.9	478.6	82.3	22.0	145.5
	12	352.3	60.6	15.3	107.1	399.3	68.7	19.2	121.4	458.0	78.8	20.3	138.3	493.2	84.8	23.2	147.0
	13	362.8	62.4	16.1	108.2	411.2	70.7	20.2	122.6	471.6	81.1	21.4	139.7	507.9	87.4	24.5	148.5
	14	373.2	64.2	17.0	109.3	423.0	72.8	21.3	123.9	485.2	83.5	22.5	141.1	522.5	89.9	25.8	149.9
	15	383.7	66.0	17.8	110.4	434.9	74.8	22.4	125.1	498.8	85.8	23.7	142.5	537.2	92.4	27.1	151.4

		2 x RHME-60AH2				2 x RHME-70AH2				2 x RHME-80AH2				2 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	259.6	44.6	8.7	109.5	294.2	50.6	11.0	124.1	337.5	58.0	11.6	141.4	363.4	62.5	13.3	150.2
	6	269.7	46.4	9.4	110.6	305.6	52.6	11.8	125.4	350.6	60.3	12.4	142.8	377.5	64.9	14.2	151.8
	7	279.8	48.1	10.0	111.8	317.1	54.5	12.6	126.7	363.7	62.6	13.3	144.3	391.7	67.4	15.2	153.4
	8	289.9	49.9	10.7	112.9	328.5	56.5	13.4	128.0	376.8	64.8	14.2	145.8	405.8	69.8	16.2	154.9
	9	299.9	51.6	11.4	114.1	339.9	58.5	14.3	129.3	389.9	67.1	15.1	147.3	419.9	72.2	17.3	156.5
	10	310.0	53.3	12.1	115.2	351.4	60.4	15.2	130.6	403.0	69.3	16.0	148.7	434.0	74.7	18.4	158.1
	11	320.1	55.1	12.8	116.3	362.8	62.4	16.1	131.8	416.2	71.6	17.0	150.2	448.2	77.1	19.5	159.6
	12	330.2	56.8	13.6	117.5	374.2	64.4	17.0	133.1	429.3	73.8	18.0	151.7	462.3	79.5	20.6	161.2
	13	340.3	58.5	14.3	118.6	385.7	66.3	18.0	134.4	442.4	76.1	19.0	153.2	476.4	81.9	21.8	162.8
	14	350.4	60.3	15.1	119.8	397.1	68.3	19.0	135.7	455.5	78.3	20.1	154.6	490.5	84.4	23.0	164.3
	15	360.5	62.0	15.9	120.9	408.5	70.3	20.0	137.0	468.6	80.6	21.1	156.1	504.7	86.8	24.2	165.9
43	5	247.9	42.6	8.0	115.5	280.9	48.3	10.1	130.9	322.3	55.4	10.6	149.1	347.1	59.7	12.2	158.4
	6	257.8	44.3	8.6	116.6	292.1	50.2	10.8	132.2	335.1	57.6	11.4	150.6	360.9	62.1	13.1	160.0
	7	267.6	46.0	9.2	117.8	303.3	52.2	11.6	133.5	347.9	59.8	12.2	152.1	374.7	64.4	14.0	161.7
	8	277.5	47.7	9.9	119.0	314.5	54.1	12.4	134.9	360.7	62.0	13.1	153.6	388.5	66.8	15.0	163.3
	9	287.4	49.4	10.5	120.2	325.7	56.0	13.2	136.2	373.6	64.3	13.9	155.2	402.3	69.2	16.0	164.9
	10	297.2	51.1	11.2	121.3	336.8	57.9	14.1	137.5	386.4	66.5	14.8	156.7	416.1	71.6	17.0	166.5
	11	307.1	52.8	11.9	122.5	348.0	59.9	14.9	138.9	399.2	68.7	15.7	158.2	429.9	73.9	18.0	168.1
	12	316.9	54.5	12.6	123.7	359.2	61.8	15.8	140.2	412.0	70.9	16.7	159.7	443.7	76.3	19.1	169.7
	13	326.8	56.2	13.3	124.9	370.4	63.7	16.7	141.5	424.9	73.1	17.7	161.2	457.5	78.7	20.2	171.3
	14	336.7	57.9	14.0	126.0	381.6	65.6	17.6	142.9	437.7	75.3	18.6	162.8	471.3	81.1	21.3	172.9
	15	346.5	59.6	14.8	127.2	392.7	67.6	18.6	144.2	450.5	77.5	19.7	164.3	485.2	83.4	22.5	174.6
46	5	236.2	40.6	7.4	121.4	267.7	46.0	9.3	137.6	307.1	52.8	9.7	156.8	330.7	56.9	11.2	166.6
	6	245.8	42.3	7.9	122.7	278.6	47.9	10.0	139.0	319.6	55.0	10.5	158.4	344.2	59.2	12.0	168.3
	7	255.5	43.9	8.5	123.9	289.5	49.8	10.7	140.4	332.1	57.1	11.2	159.9	357.7	61.5	12.9	170.0
	8	265.1	45.6	9.1	125.1	300.5	51.7	11.4	141.7	344.7	59.3	12.0	161.5	371.2	63.8	13.8	171.6
	9	274.8	47.3	9.7	126.3	311.4	53.6	12.2	143.1	357.2	61.4	12.8	163.1	384.7	66.2	14.7	173.3
	10	284.4	48.9	10.3	127.5	322.3	55.4	13.0	144.5	369.7	63.6	13.7	164.6	398.2	68.5	15.7	174.9
	11	294.0	50.6	11.0	128.7	333.2	57.3	13.8	145.9	382.3	65.7	14.5	166.2	411.7	70.8	16.7	176.6
	12	303.7	52.2	11.6	129.9	344.2	59.2	14.6	147.2	394.8	67.9	15.4	167.7	425.1	73.1	17.7	178.3
	13	313.3	53.9	12.3	131.1	355.1	61.1	15.5	148.6	407.3	70.1	16.3	169.3	438.6	75.4	18.7	179.9
	14	323.0	55.5	13.0	132.3	366.0	63.0	16.4	150.0	419.8	72.2	17.3	170.9	452.1	77.8	19.8	181.6
	15	332.6	57.2	13.7	133.5	376.9	64.8	17.3	151.3	432.4	74.4	18.2	172.4	465.6	80.1	20.9	183.2

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		2 x RHME-120AH2				2 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	641.3	110.3	12.9	149.7	726.8	125.0	16.1	169.7
	6	663.3	114.1	13.7	151.7	751.8	129.3	17.2	171.9
	7	685.3	117.9	14.5	153.7	776.7	133.6	18.2	174.1
	8	707.4	121.7	15.4	155.6	801.7	137.9	19.3	176.4
	9	729.4	125.5	16.3	157.6	826.6	142.2	20.4	178.6
	10	751.4	129.2	17.2	159.5	851.6	146.5	21.5	180.8
	11	773.4	133.0	18.1	161.5	876.5	150.8	22.7	183.0
	12	795.4	136.8	19.0	163.5	901.5	155.1	23.9	185.3
	13	817.5	140.6	20.0	165.4	926.4	159.3	25.1	187.5
	14	839.5	144.4	21.0	167.4	951.4	163.6	26.4	189.7
	15	861.5	148.2	22.0	169.4	976.4	167.9	27.6	191.9
25	5	620.2	106.7	12.1	167.2	702.9	120.9	15.2	189.5
	6	642.0	110.4	12.9	169.2	727.7	125.2	16.2	191.8
	7	663.9	114.2	13.7	171.2	752.4	129.4	17.2	194.1
	8	685.8	118.0	14.5	173.3	777.2	133.7	18.2	196.4
	9	707.7	121.7	15.4	175.3	802.0	137.9	19.3	198.7
	10	729.5	125.5	16.3	177.4	826.8	142.2	20.4	201.0
	11	751.4	129.2	17.2	179.4	851.6	146.5	21.5	203.3
	12	773.3	133.0	18.1	181.4	876.4	150.7	22.7	205.6
	13	795.1	136.8	19.0	183.5	901.1	155.0	23.9	207.9
	14	817.0	140.5	20.0	185.5	925.9	159.3	25.1	210.2
	15	838.9	144.3	21.0	187.5	950.7	163.5	26.3	212.5
30	5	597.1	102.7	11.3	183.6	676.7	116.4	14.2	208.1
	6	618.8	106.4	12.0	185.7	701.3	120.6	15.1	210.5
	7	640.5	110.2	12.8	187.8	725.9	124.8	16.1	212.9
	8	662.1	113.9	13.6	189.9	750.4	129.1	17.1	215.2
	9	683.8	117.6	14.4	192.0	775.0	133.3	18.1	217.6
	10	705.5	121.3	15.3	194.1	799.6	137.5	19.2	220.0
	11	727.2	125.1	16.2	196.2	824.1	141.8	20.3	222.4
	12	748.9	128.8	17.0	198.3	848.7	146.0	21.4	224.8
	13	770.5	132.5	18.0	200.5	873.3	150.2	22.6	227.2
	14	792.2	136.3	18.9	202.6	897.8	154.4	23.7	229.6
	15	813.9	140.0	19.8	204.7	922.4	158.7	24.9	232.0
35	5	558.1	96.0	10.0	199.1	632.6	108.8	12.5	225.6
	6	579.1	99.6	10.7	201.2	656.3	112.9	13.4	228.1
	7	**600.0**	**103.2**	**11.4**	**203.4**	**680.0**	**117.0**	**14.3**	**230.5**
	8	620.9	106.8	12.1	205.6	703.7	121.0	15.2	233.0
	9	641.9	110.4	12.9	207.7	727.4	125.1	16.2	235.4
	10	662.8	114.0	13.6	209.9	751.2	129.2	17.1	237.9
	11	683.7	117.6	14.4	212.1	774.9	133.3	18.1	240.3
	12	704.6	121.2	15.3	214.2	798.6	137.4	19.2	242.8
	13	725.6	124.8	16.1	216.4	822.3	141.4	20.2	245.3
	14	746.5	128.4	17.0	218.6	846.0	145.5	21.3	247.7
	15	767.4	132.0	17.8	220.7	869.7	149.6	22.4	250.2

		2 x RHME-120AH2				2 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	519.2	89.3	8.7	219.0	588.4	101.2	11.0	248.2
	6	539.4	92.8	9.4	221.3	611.3	105.1	11.8	250.8
	7	559.5	96.2	10.0	223.5	634.1	109.1	12.6	253.3
	8	579.7	99.7	10.7	225.8	657.0	113.0	13.4	255.9
	9	599.9	103.2	11.4	228.1	679.9	116.9	14.3	258.5
	10	620.1	106.7	12.1	230.4	702.7	120.9	15.2	261.1
	11	640.2	110.1	12.8	232.7	725.6	124.8	16.1	263.7
	12	660.4	113.6	13.6	235.0	748.5	128.7	17.0	266.3
	13	680.6	117.1	14.3	237.2	771.3	132.7	18.0	268.9
	14	700.8	120.5	15.1	239.5	794.2	136.6	19.0	271.5
	15	721.0	124.0	15.9	241.8	817.1	140.5	20.0	274.0
43	5	495.8	85.3	8.0	230.9	561.9	96.6	10.1	261.7
	6	515.5	88.7	8.6	233.3	584.3	100.5	10.8	264.4
	7	535.2	92.1	9.2	235.6	606.6	104.3	11.6	267.1
	8	555.0	95.5	9.9	238.0	629.0	108.2	12.4	269.7
	9	574.7	98.8	10.5	240.3	651.3	112.0	13.2	272.4
	10	594.4	102.2	11.2	242.7	673.7	115.9	14.1	275.0
	11	614.2	105.6	11.9	245.0	696.0	119.7	14.9	277.7
	12	633.9	109.0	12.6	247.4	718.4	123.6	15.8	280.4
	13	653.6	112.4	13.3	249.7	740.8	127.4	16.7	283.0
	14	673.3	115.8	14.0	252.1	763.1	131.3	17.6	285.7
	15	693.1	119.2	14.8	254.4	785.5	135.1	18.6	288.4
46	5	472.4	81.3	7.4	242.9	535.4	92.1	9.3	275.3
	6	491.7	84.6	7.9	245.3	557.2	95.8	10.0	278.0
	7	511.0	87.9	8.5	247.7	579.1	99.6	10.7	280.8
	8	530.2	91.2	9.1	250.1	600.9	103.4	11.4	283.5
	9	549.5	94.5	9.7	252.6	622.8	107.1	12.2	286.2
	10	568.8	97.8	10.3	255.0	644.6	110.9	13.0	289.0
	11	588.1	101.1	11.0	257.4	666.5	114.6	13.8	291.7
	12	607.4	104.5	11.6	259.8	688.3	118.4	14.6	294.5
	13	626.6	107.8	12.3	262.2	710.2	122.2	15.5	297.2
	14	645.9	111.1	13.0	264.7	732.0	125.9	16.4	300.0
	15	665.2	114.4	13.7	267.1	753.9	129.7	17.3	302.7

ABT: Condenser Air Inlet Temperature (ºC)
COT: Chilled Water outlet Temperature (ºC)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 3 Modules

(Pump not included)

		3 x RHME-60AH2				3 x RHME-70AH2				3 x RHME-80AH2				3 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	481.0	82.7	12.9	112.3	545.1	93.8	16.1	127.3	625.3	107.5	17.0	145.0	673.4	115.8	19.5	154.1
	6	497.5	85.6	13.7	113.8	563.8	97.0	17.2	128.9	646.7	111.2	18.1	146.9	696.5	119.8	20.8	156.1
	7	514.0	88.4	14.5	115.2	582.5	100.2	18.2	130.6	668.2	114.9	19.3	148.8	719.6	123.8	22.1	158.1
	8	530.5	91.2	15.4	116.7	601.3	103.4	19.3	132.3	689.7	118.6	20.4	150.7	742.7	127.7	23.4	160.1
	9	547.0	94.1	16.3	118.2	620.0	106.6	20.4	133.9	711.1	122.3	21.6	152.6	765.8	131.7	24.7	162.2
	10	563.5	96.9	17.2	119.7	638.7	109.9	21.5	135.6	732.6	126.0	22.8	154.5	789.0	135.7	26.1	164.2
	11	580.1	99.8	18.1	121.1	657.4	113.1	22.7	137.3	754.1	129.7	24.0	156.4	812.1	139.7	27.5	166.2
	12	596.6	102.6	19.0	122.6	676.1	116.3	23.9	138.9	775.5	133.4	25.3	158.3	835.2	143.7	29.0	168.2
	13	613.1	105.5	20.0	124.1	694.8	119.5	25.1	140.6	797.0	137.1	26.6	160.2	858.3	147.6	30.5	170.2
	14	629.6	108.3	21.0	125.5	713.6	122.7	26.4	142.3	818.5	140.8	27.9	162.1	881.4	151.6	32.0	172.3
	15	646.1	111.1	22.0	127.0	732.3	126.0	27.6	143.9	840.0	144.5	29.3	164.0	904.6	155.6	33.5	174.3
25	5	465.1	80.0	12.1	125.4	527.2	90.7	15.2	142.1	604.7	104.0	16.0	161.9	651.2	112.0	18.4	172.0
	6	481.5	82.8	12.9	126.9	545.7	93.9	16.2	143.8	626.0	107.7	17.1	163.9	674.2	116.0	19.6	174.1
	7	497.9	85.6	13.7	128.4	564.3	97.1	17.2	145.6	647.3	111.3	18.2	165.8	697.1	119.9	20.8	176.2
	8	514.3	88.5	14.5	130.0	582.9	100.3	18.2	147.3	668.6	115.0	19.3	167.8	720.1	123.9	22.1	178.3
	9	530.7	91.3	15.4	131.5	601.5	103.5	19.3	149.0	690.0	118.7	20.4	169.8	743.0	127.8	23.4	180.4
	10	547.1	94.1	16.3	133.0	620.1	106.7	20.4	150.7	711.3	122.3	21.6	171.8	766.0	131.8	24.7	182.5
	11	563.5	96.9	17.2	134.5	638.7	109.9	21.5	152.5	732.6	126.0	22.8	173.7	789.0	135.7	26.1	184.6
	12	579.9	99.7	18.1	136.1	657.3	113.0	22.7	154.2	753.9	129.7	24.0	175.7	811.9	139.6	27.5	186.7
	13	596.3	102.6	19.0	137.6	675.9	116.2	23.9	155.9	775.2	133.3	25.3	177.7	834.9	143.6	28.9	188.8
	14	612.7	105.4	20.0	139.1	694.4	119.4	25.1	157.7	796.6	137.0	26.6	179.6	857.8	147.5	30.4	190.9
	15	629.1	108.2	21.0	140.7	713.0	122.6	26.3	159.4	817.9	140.7	27.9	181.6	880.8	151.5	31.9	193.0
30	5	447.8	77.0	11.3	137.7	507.5	87.3	14.2	156.1	582.2	100.1	15.0	177.8	627.0	107.8	17.1	188.9
	6	464.1	79.8	12.0	139.3	526.0	90.5	15.1	157.9	603.3	103.8	16.0	179.9	649.7	111.8	18.3	191.1
	7	480.4	82.6	12.8	140.9	544.4	93.6	16.1	159.6	624.5	107.4	17.0	181.9	672.5	115.7	19.5	193.3
	8	496.6	85.4	13.6	142.4	562.8	96.8	17.1	161.4	645.6	111.0	18.1	183.9	695.3	119.6	20.7	195.4
	9	512.9	88.2	14.4	144.0	581.3	100.0	18.1	163.2	666.7	114.7	19.2	186.0	718.0	123.5	22.0	197.6
	10	529.1	91.0	15.3	145.6	599.7	103.1	19.2	165.0	687.9	118.3	20.3	188.0	740.8	127.4	23.3	199.8
	11	545.4	93.8	16.2	147.2	618.1	106.3	20.3	166.8	709.0	121.9	21.5	190.0	763.5	131.3	24.6	201.9
	12	561.6	96.6	17.0	148.8	636.5	109.5	21.4	168.6	730.1	125.6	22.6	192.1	786.3	135.2	25.9	204.1
	13	577.9	99.4	18.0	150.3	655.0	112.7	22.6	170.4	751.3	129.2	23.9	194.1	809.1	139.2	27.3	206.3
	14	594.2	102.2	18.9	151.9	673.4	115.8	23.7	172.2	772.4	132.9	25.1	196.2	831.8	143.1	28.8	208.4
	15	610.4	105.0	19.8	153.5	691.8	119.0	24.9	174.0	793.5	136.5	26.4	198.2	854.6	147.0	30.2	210.6
35	5	418.6	72.0	10.0	149.3	474.4	81.6	12.5	169.2	544.2	93.6	13.2	192.8	586.1	100.8	15.1	204.8
	6	434.3	74.7	10.7	150.9	492.2	84.7	13.4	171.0	564.6	97.1	14.1	194.9	608.0	104.6	16.2	207.1
	7	**450.0**	**77.4**	**11.4**	**152.5**	**510.0**	**87.7**	**14.3**	**172.9**	**585.0**	**100.6**	**15.1**	**197.0**	**630.0**	**108.4**	**17.3**	**209.3**
	8	465.7	80.1	12.1	154.2	527.8	90.8	15.2	174.7	605.4	104.1	16.1	199.1	652.0	112.1	18.4	211.5
	9	481.4	82.8	12.9	155.8	545.6	93.8	16.2	176.6	625.8	107.6	17.1	201.2	673.9	115.9	19.6	213.8
	10	497.1	85.5	13.6	157.4	563.4	96.9	17.1	178.4	646.2	111.1	18.1	203.3	695.9	119.7	20.7	216.0
	11	512.8	88.2	14.4	159.0	581.2	100.0	18.1	180.3	666.6	114.7	19.2	205.4	717.9	123.5	22.0	218.2
	12	528.5	90.9	15.3	160.7	598.9	103.0	19.2	182.1	687.0	118.2	20.3	207.5	739.9	127.3	23.2	220.5
	13	544.2	93.6	16.1	162.3	616.7	106.1	20.2	183.9	707.4	121.7	21.4	209.6	761.8	131.0	24.5	222.7
	14	559.9	96.3	17.0	163.9	634.5	109.1	21.3	185.8	727.8	125.2	22.5	211.7	783.8	134.8	25.8	224.9
	15	575.6	99.0	17.8	165.6	652.3	112.2	22.4	187.6	748.2	128.7	23.7	213.8	805.8	138.6	27.1	227.2

		3 x RHME-60AH2				3 x RHME-70AH2				3 x RHME-80AH2				3 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	389.4	67.0	8.7	164.2	441.3	75.9	11.0	186.1	506.2	87.1	11.6	212.1	545.1	93.8	13.3	225.3
	6	404.5	69.6	9.4	165.9	458.4	78.9	11.8	188.1	525.9	90.4	12.4	214.3	566.3	97.4	14.2	227.7
	7	419.6	72.2	10.0	167.7	475.6	81.8	12.6	190.0	545.5	93.8	13.3	216.5	587.5	101.1	15.2	230.0
	8	434.8	74.8	10.7	169.4	492.8	84.8	13.4	192.0	565.2	97.2	14.2	218.7	608.7	104.7	16.2	232.4
	9	449.9	77.4	11.4	171.1	509.9	87.7	14.3	193.9	584.9	100.6	15.1	220.9	629.9	108.3	17.3	234.7
	10	465.0	80.0	12.1	172.8	527.1	90.7	15.2	195.8	604.6	104.0	16.0	223.1	651.1	112.0	18.4	237.1
	11	480.2	82.6	12.8	174.5	544.2	93.6	16.1	197.8	624.2	107.4	17.0	225.3	672.3	115.6	19.5	239.4
	12	495.3	85.2	13.6	176.2	561.4	96.6	17.0	199.7	643.9	110.8	18.0	227.5	693.4	119.3	20.6	241.8
	13	510.4	87.8	14.3	177.9	578.5	99.5	18.0	201.7	663.6	114.1	19.0	229.8	714.6	122.9	21.8	244.1
	14	525.6	90.4	15.1	179.6	595.7	102.5	19.0	203.6	683.3	117.5	20.1	232.0	735.8	126.6	23.0	246.5
	15	540.7	93.0	15.9	181.4	612.8	105.4	20.0	205.5	702.9	120.9	21.1	234.2	757.0	130.2	24.2	248.8
43	5	371.8	64.0	8.0	173.2	421.4	72.5	10.1	196.3	483.4	83.1	10.6	223.6	520.6	89.5	12.2	237.6
	6	386.6	66.5	8.6	175.0	438.2	75.4	10.8	198.3	502.6	86.5	11.4	225.9	541.3	93.1	13.1	240.1
	7	401.4	69.0	9.2	176.7	455.0	78.3	11.6	200.3	521.9	89.8	12.2	228.2	562.0	96.7	14.0	242.5
	8	416.2	71.6	9.9	178.5	471.7	81.1	12.4	202.3	541.1	93.1	13.1	230.5	582.7	100.2	15.0	244.9
	9	431.0	74.1	10.5	180.3	488.5	84.0	13.2	204.3	560.3	96.4	13.9	232.7	603.4	103.8	16.0	247.3
	10	445.8	76.7	11.2	182.0	505.3	86.9	14.1	206.3	579.6	99.7	14.8	235.0	624.2	107.4	17.0	249.7
	11	460.6	79.2	11.9	183.8	522.0	89.8	14.9	208.3	598.8	103.0	15.7	237.3	644.9	110.9	18.0	252.2
	12	475.4	81.8	12.6	185.5	538.8	92.7	15.8	210.3	618.0	106.3	16.7	239.6	665.6	114.5	19.1	254.6
	13	490.2	84.3	13.3	187.3	555.6	95.6	16.7	212.3	637.3	109.6	17.7	241.9	686.3	118.0	20.2	257.0
	14	505.0	86.9	14.0	189.1	572.3	98.4	17.6	214.3	656.5	112.9	18.6	244.1	707.0	121.6	21.3	259.4
	15	519.8	89.4	14.8	190.8	589.1	101.3	18.6	216.3	675.7	116.2	19.7	246.4	727.7	125.2	22.5	261.8
46	5	354.3	60.9	7.4	182.2	401.5	69.1	9.3	206.5	460.6	79.2	9.7	235.2	496.0	85.3	11.2	249.9
	6	368.8	63.4	7.9	184.0	417.9	71.9	10.0	208.5	479.4	82.5	10.5	237.6	516.3	88.8	12.0	252.4
	7	383.2	65.9	8.5	185.8	434.3	74.7	10.7	210.6	498.2	85.7	11.2	239.9	536.5	92.3	12.9	254.9
	8	397.7	68.4	9.1	187.6	450.7	77.5	11.4	212.6	517.0	88.9	12.0	242.2	556.8	95.8	13.8	257.4
	9	412.1	70.9	9.7	189.4	467.1	80.3	12.2	214.7	535.8	92.2	12.8	244.6	577.0	99.2	14.7	259.9
	10	426.6	73.4	10.3	191.2	483.5	83.2	13.0	216.7	554.6	95.4	13.7	246.9	597.2	102.7	15.7	262.4
	11	441.1	75.9	11.0	193.1	499.9	86.0	13.8	218.8	573.4	98.6	14.5	249.3	617.5	106.2	16.7	264.9
	12	455.5	78.3	11.6	194.9	516.3	88.8	14.6	220.9	592.2	101.9	15.4	251.6	637.7	109.7	17.7	267.4
	13	470.0	80.8	12.3	196.7	532.6	91.6	15.5	222.9	611.0	105.1	16.3	254.0	658.0	113.2	18.7	269.9
	14	484.4	83.3	13.0	198.5	549.0	94.4	16.4	225.0	629.8	108.3	17.3	256.3	678.2	116.7	19.8	272.4
	15	498.9	85.8	13.7	200.3	565.4	97.3	17.3	227.0	648.6	111.6	18.2	258.7	698.4	120.1	20.9	274.8

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		3 x RHME-120AH2				3 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	962.0	165.5	12.9	224.6	1090.2	187.5	16.1	254.5
	6	995.0	171.1	13.7	227.5	1127.6	194.0	17.2	257.9
	7	1028.0	176.8	14.5	230.5	1165.1	200.4	18.2	261.2
	8	1061.0	182.5	15.4	233.4	1202.5	206.8	19.3	264.5
	9	1094.1	188.2	16.3	236.4	1239.9	213.3	20.4	267.9
	10	1127.1	193.9	17.2	239.3	1277.4	219.7	21.5	271.2
	11	1160.1	199.5	18.1	242.3	1314.8	226.1	22.7	274.6
	12	1193.2	205.2	19.0	245.2	1352.2	232.6	23.9	277.9
	13	1226.2	210.9	20.0	248.1	1389.7	239.0	25.1	281.2
	14	1259.2	216.6	21.0	251.1	1427.1	245.5	26.4	284.6
	15	1292.2	222.3	22.0	254.0	1464.5	251.9	27.6	287.9
25	5	930.3	160.0	12.1	250.8	1054.3	181.3	15.2	284.2
	6	963.1	165.6	12.9	253.8	1091.5	187.7	16.2	287.6
	7	995.9	171.3	13.7	256.9	1128.7	194.1	17.2	291.1
	8	1028.7	176.9	14.5	259.9	1165.8	200.5	18.2	294.6
	9	1061.5	182.6	15.4	263.0	1203.0	206.9	19.3	298.0
	10	1094.3	188.2	16.3	266.0	1240.2	213.3	20.4	301.5
	11	1127.1	193.9	17.2	269.1	1277.4	219.7	21.5	305.0
	12	1159.9	199.5	18.1	272.1	1314.5	226.1	22.7	308.4
	13	1192.7	205.1	19.0	275.2	1351.7	232.5	23.9	311.9
	14	1225.5	210.8	20.0	278.2	1388.9	238.9	25.1	315.3
	15	1258.3	216.4	21.0	281.3	1426.1	245.3	26.3	318.8
30	5	895.7	154.1	11.3	275.4	1015.1	174.6	14.2	312.1
	6	928.2	159.6	12.0	278.6	1051.9	180.9	15.1	315.7
	7	960.7	165.2	12.8	281.7	1088.8	187.3	16.1	319.3
	8	993.2	170.8	13.6	284.9	1125.7	193.6	17.1	322.9
	9	1025.7	176.4	14.4	288.0	1162.5	200.0	18.1	326.5
	10	1058.3	182.0	15.3	291.2	1199.4	206.3	19.2	330.0
	11	1090.8	187.6	16.2	294.4	1236.2	212.6	20.3	333.6
	12	1123.3	193.2	17.0	297.5	1273.1	219.0	21.4	337.2
	13	1155.8	198.8	18.0	300.7	1309.9	225.3	22.6	340.8
	14	1188.3	204.4	18.9	303.8	1346.8	231.6	23.7	344.3
	15	1220.8	210.0	19.8	307.0	1383.6	238.0	24.9	347.9
35	5	837.2	144.0	10.0	298.6	948.8	163.2	12.5	338.4
	6	868.6	149.4	10.7	301.8	984.4	169.3	13.4	342.1
	7	**900.0**	**154.8**	**11.4**	**305.1**	**1020.0**	**175.4**	**14.3**	**345.8**
	8	931.4	160.2	12.1	308.3	1055.6	181.6	15.2	349.4
	9	962.8	165.6	12.9	311.6	1091.2	187.7	16.2	353.1
	10	994.2	171.0	13.6	314.8	1126.7	193.8	17.1	356.8
	11	1025.6	176.4	14.4	318.1	1162.3	199.9	18.1	360.5
	12	1057.0	181.8	15.3	321.3	1197.9	206.0	19.2	364.2
	13	1088.4	187.2	16.1	324.6	1233.5	212.2	20.2	367.9
	14	1119.7	192.6	17.0	327.9	1269.0	218.3	21.3	371.6
	15	1151.1	198.0	17.8	331.1	1304.6	224.4	22.4	375.3

		3 x RHME-120AH2				3 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	778.8	133.9	8.7	328.5	882.6	151.8	11.0	372.3
	6	809.0	139.2	9.4	331.9	916.9	157.7	11.8	376.1
	7	839.3	144.4	10.0	335.3	951.2	163.6	12.6	380.0
	8	869.6	149.6	10.7	338.7	985.5	169.5	13.4	383.9
	9	899.8	154.8	11.4	342.2	1019.8	175.4	14.3	387.8
	10	930.1	160.0	12.1	345.6	1054.1	181.3	15.2	391.7
	11	960.4	165.2	12.8	349.0	1088.4	187.2	16.1	395.5
	12	990.6	170.4	13.6	352.4	1122.7	193.1	17.0	399.4
	13	1020.9	175.6	14.3	355.9	1157.0	199.0	18.0	403.3
	14	1051.2	180.8	15.1	359.3	1191.3	204.9	19.0	407.2
	15	1081.4	186.0	15.9	362.7	1225.6	210.8	20.0	411.1
43	5	743.7	127.9	8.0	346.4	842.8	145.0	10.1	392.6
	6	773.3	133.0	8.6	349.9	876.4	150.7	10.8	396.6
	7	802.9	138.1	9.2	353.4	909.9	156.5	11.6	400.6
	8	832.5	143.2	9.9	357.0	943.5	162.3	12.4	404.6
	9	862.1	148.3	10.5	360.5	977.0	168.0	13.2	408.6
	10	891.6	153.4	11.2	364.0	1010.5	173.8	14.1	412.6
	11	921.2	158.5	11.9	367.6	1044.1	179.6	14.9	416.6
	12	950.8	163.5	12.6	371.1	1077.6	185.3	15.8	420.6
	13	980.4	168.6	13.3	374.6	1111.1	191.1	16.7	424.6
	14	1010.0	173.7	14.0	378.1	1144.7	196.9	17.6	428.6
	15	1039.6	178.8	14.8	381.7	1178.2	202.7	18.6	432.6
46	5	708.6	121.9	7.4	364.3	803.1	138.1	9.3	412.9
	6	737.5	126.9	7.9	368.0	835.9	143.8	10.0	417.0
	7	766.4	131.8	8.5	371.6	868.6	149.4	10.7	421.1
	8	795.4	136.8	9.1	375.2	901.4	155.0	11.4	425.2
	9	824.3	141.8	9.7	378.8	934.2	160.7	12.2	429.4
	10	853.2	146.8	10.3	382.5	967.0	166.3	13.0	433.5
	11	882.1	151.7	11.0	386.1	999.7	172.0	13.8	437.6
	12	911.0	156.7	11.6	389.7	1032.5	177.6	14.6	441.7
	13	940.0	161.7	12.3	393.4	1065.3	183.2	15.5	445.8
	14	968.9	166.6	13.0	397.0	1098.1	188.9	16.4	449.9
	15	997.8	171.6	13.7	400.6	1130.8	194.5	17.3	454.0

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 4 Modules

(Pump not included)

		4 x RHME-60AH2				4 x RHME-70AH2				4 x RHME-80AH2				4 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	641.3	110.3	12.9	149.7	726.8	125.0	16.1	169.7	833.7	143.4	17.0	193.3	897.8	154.4	19.5	205.4
	6	663.3	114.1	13.7	151.7	751.8	129.3	17.2	171.9	862.3	148.3	18.1	195.9	928.6	159.7	20.8	208.1
	7	685.3	117.9	14.5	153.7	776.7	133.6	18.2	174.1	890.9	153.2	19.3	198.4	959.5	165.0	22.1	210.8
	8	707.4	121.7	15.4	155.6	801.7	137.9	19.3	176.4	919.6	158.2	20.4	200.9	990.3	170.3	23.4	213.5
	9	729.4	125.5	16.3	157.6	826.6	142.2	20.4	178.6	948.2	163.1	21.6	203.5	1021.1	175.6	24.7	216.2
	10	751.4	129.2	17.2	159.5	851.6	146.5	21.5	180.8	976.8	168.0	22.8	206.0	1052.0	180.9	26.1	218.9
	11	773.4	133.0	18.1	161.5	876.5	150.8	22.7	183.0	1005.4	172.9	24.0	208.5	1082.8	186.2	27.5	221.6
	12	795.4	136.8	19.0	163.5	901.5	155.1	23.9	185.3	1034.1	177.9	25.3	211.1	1113.6	191.5	29.0	224.3
	13	817.5	140.6	20.0	165.4	926.4	159.3	25.1	187.5	1062.7	182.8	26.6	213.6	1144.4	196.8	30.5	227.0
	14	839.5	144.4	21.0	167.4	951.4	163.6	26.4	189.7	1091.3	187.7	27.9	216.1	1175.3	202.1	32.0	229.7
	15	861.5	148.2	22.0	169.4	976.4	167.9	27.6	191.9	1119.9	192.6	29.3	218.7	1206.1	207.4	33.5	232.4
25	5	620.2	106.7	12.1	167.2	702.9	120.9	15.2	189.5	806.2	138.7	16.0	215.9	868.3	149.3	18.4	229.4
	6	642.0	110.4	12.9	169.2	727.7	125.2	16.2	191.8	834.7	143.6	17.1	218.5	898.9	154.6	19.6	232.2
	7	663.9	114.2	13.7	171.2	752.4	129.4	17.2	194.1	863.1	148.5	18.2	221.1	929.5	159.9	20.8	235.0
	8	685.8	118.0	14.5	173.3	777.2	133.7	18.2	196.4	891.5	153.3	19.3	223.7	960.1	165.1	22.1	237.8
	9	707.7	121.7	15.4	175.3	802.0	137.9	19.3	198.7	919.9	158.2	20.4	226.4	990.7	170.4	23.4	240.5
	10	729.5	125.5	16.3	177.4	826.8	142.2	20.4	201.0	948.4	163.1	21.6	229.0	1021.3	175.7	24.7	243.3
	11	751.4	129.2	17.2	179.4	851.6	146.5	21.5	203.3	976.8	168.0	22.8	231.6	1051.9	180.9	26.1	246.1
	12	773.3	133.0	18.1	181.4	876.4	150.7	22.7	205.6	1005.2	172.9	24.0	234.3	1082.6	186.2	27.5	248.9
	13	795.1	136.8	19.0	183.5	901.1	155.0	23.9	207.9	1033.7	177.8	25.3	236.9	1113.2	191.5	28.9	251.7
	14	817.0	140.5	20.0	185.5	925.9	159.3	25.1	210.2	1062.1	182.7	26.6	239.5	1143.8	196.7	30.4	254.5
	15	838.9	144.3	21.0	187.5	950.7	163.5	26.3	212.5	1090.5	187.6	27.9	242.2	1174.4	202.0	31.9	257.3
30	5	597.1	102.7	11.3	183.6	676.7	116.4	14.2	208.1	776.2	133.5	15.0	237.1	836.0	143.8	17.1	251.9
	6	618.8	106.4	12.0	185.7	701.3	120.6	15.1	210.5	804.4	138.4	16.0	239.8	866.3	149.0	18.3	254.8
	7	640.5	110.2	12.8	187.8	725.9	124.8	16.1	212.9	832.6	143.2	17.0	242.5	896.7	154.2	19.5	257.7
	8	662.1	113.9	13.6	189.9	750.4	129.1	17.1	215.2	860.8	148.1	18.1	245.2	927.0	159.4	20.7	260.6
	9	683.8	117.6	14.4	192.0	775.0	133.3	18.1	217.6	889.0	152.9	19.2	248.0	957.4	164.7	22.0	263.5
	10	705.5	121.3	15.3	194.1	799.6	137.5	19.2	220.0	917.2	157.8	20.3	250.7	987.7	169.9	23.3	266.4
	11	727.2	125.1	16.2	196.2	824.1	141.8	20.3	222.4	945.3	162.6	21.5	253.4	1018.1	175.1	24.6	269.3
	12	748.9	128.8	17.0	198.3	848.7	146.0	21.4	224.8	973.5	167.4	22.6	256.1	1048.4	180.3	25.9	272.1
	13	770.5	132.5	18.0	200.5	873.3	150.2	22.6	227.2	1001.7	172.3	23.9	258.8	1078.8	185.5	27.3	275.0
	14	792.2	136.3	18.9	202.6	897.8	154.4	23.7	229.6	1029.9	177.1	25.1	261.6	1109.1	190.8	28.8	277.9
	15	813.9	140.0	19.8	204.7	922.4	158.7	24.9	232.0	1058.1	182.0	26.4	264.3	1139.5	196.0	30.2	280.8
35	5	558.1	96.0	10.0	199.1	632.6	108.8	12.5	225.6	725.6	124.8	13.2	257.0	781.4	134.4	15.1	273.1
	6	579.1	99.6	10.7	201.2	656.3	112.9	13.4	228.1	752.8	129.5	14.1	259.8	810.7	139.4	16.2	276.1
	7	**600.0**	**103.2**	**11.4**	**203.4**	**680.0**	**117.0**	**14.3**	**230.5**	**780.0**	**134.2**	**15.1**	**262.6**	**840.0**	**144.5**	**17.3**	**279.1**
	8	620.9	106.8	12.1	205.6	703.7	121.0	15.2	233.0	807.2	138.8	16.1	265.4	869.3	149.5	18.4	282.0
	9	641.9	110.4	12.9	207.7	727.4	125.1	16.2	235.4	834.4	143.5	17.1	268.2	898.6	154.6	19.6	285.0
	10	662.8	114.0	13.6	209.9	751.2	129.2	17.1	237.9	861.6	148.2	18.1	271.0	927.9	159.6	20.7	288.0
	11	683.7	117.6	14.4	212.1	774.9	133.3	18.1	240.3	888.8	152.9	19.2	273.8	957.2	164.6	22.0	291.0
	12	704.6	121.2	15.3	214.2	798.6	137.4	19.2	242.8	916.0	157.6	20.3	276.6	986.5	169.7	23.2	293.9
	13	725.6	124.8	16.1	216.4	822.3	141.4	20.2	245.3	943.2	162.2	21.4	279.4	1015.8	174.7	24.5	296.9
	14	746.5	128.4	17.0	218.6	846.0	145.5	21.3	247.7	970.4	166.9	22.5	282.2	1045.1	179.8	25.8	299.9
	15	767.4	132.0	17.8	220.7	869.7	149.6	22.4	250.2	997.7	171.6	23.7	285.0	1074.4	184.8	27.1	302.9

		4 x RHME-60AH2				4 x RHME-70AH2				4 x RHME-80AH2				4 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	519.2	89.3	8.7	219.0	588.4	101.2	11.0	248.2	674.9	116.1	11.6	282.8	726.8	125.0	13.3	300.5
	6	539.4	92.8	9.4	221.3	611.3	105.1	11.8	250.8	701.2	120.6	12.4	285.7	755.1	129.9	14.2	303.6
	7	559.5	96.2	10.0	223.5	634.1	109.1	12.6	253.3	727.4	125.1	13.3	288.6	783.3	134.7	15.2	306.7
	8	579.7	99.7	10.7	225.8	657.0	113.0	13.4	255.9	753.6	129.6	14.2	291.6	811.6	139.6	16.2	309.9
	9	599.9	103.2	11.4	228.1	679.9	116.9	14.3	258.5	779.9	134.1	15.1	294.5	839.8	144.5	17.3	313.0
	10	620.1	106.7	12.1	230.4	702.7	120.9	15.2	261.1	806.1	138.6	16.0	297.5	868.1	149.3	18.4	316.1
	11	640.2	110.1	12.8	232.7	725.6	124.8	16.1	263.7	832.3	143.2	17.0	300.4	896.3	154.2	19.5	319.2
	12	660.4	113.6	13.6	235.0	748.5	128.7	17.0	266.3	858.5	147.7	18.0	303.4	924.6	159.0	20.6	322.4
	13	680.6	117.1	14.3	237.2	771.3	132.7	18.0	268.9	884.8	152.2	19.0	306.3	952.8	163.9	21.8	325.5
	14	700.8	120.5	15.1	239.5	794.2	136.6	19.0	271.5	911.0	156.7	20.1	309.3	981.1	168.7	23.0	328.6
	15	721.0	124.0	15.9	241.8	817.1	140.5	20.0	274.0	937.2	161.2	21.1	312.2	1009.3	173.6	24.2	331.8
43	5	495.8	85.3	8.0	230.9	561.9	96.6	10.1	261.7	644.5	110.9	10.6	298.2	694.1	119.4	12.2	316.9
	6	515.5	88.7	8.6	233.3	584.3	100.5	10.8	264.4	670.2	115.3	11.4	301.2	721.7	124.1	13.1	320.1
	7	535.2	92.1	9.2	235.6	606.6	104.3	11.6	267.1	695.8	119.7	12.2	304.3	749.3	128.9	14.0	323.3
	8	555.0	95.5	9.9	238.0	629.0	108.2	12.4	269.7	721.5	124.1	13.1	307.3	777.0	133.6	15.0	326.5
	9	574.7	98.8	10.5	240.3	651.3	112.0	13.2	272.4	747.1	128.5	13.9	310.3	804.6	138.4	16.0	329.8
	10	594.4	102.2	11.2	242.7	673.7	115.9	14.1	275.0	772.8	132.9	14.8	313.4	832.2	143.1	17.0	333.0
	11	614.2	105.6	11.9	245.0	696.0	119.7	14.9	277.7	798.4	137.3	15.7	316.4	859.8	147.9	18.0	336.2
	12	633.9	109.0	12.6	247.4	718.4	123.6	15.8	280.4	824.1	141.7	16.7	319.4	887.4	152.6	19.1	339.4
	13	653.6	112.4	13.3	249.7	740.8	127.4	16.7	283.0	849.7	146.1	17.7	322.5	915.1	157.4	20.2	342.7
	14	673.3	115.8	14.0	252.1	763.1	131.3	17.6	285.7	875.3	150.6	18.6	325.5	942.7	162.1	21.3	345.9
	15	693.1	119.2	14.8	254.4	785.5	135.1	18.6	288.4	901.0	155.0	19.7	328.6	970.3	166.9	22.5	349.1
46	5	472.4	81.3	7.4	242.9	535.4	92.1	9.3	275.3	614.1	105.6	9.7	313.6	661.4	113.8	11.2	333.3
	6	491.7	84.6	7.9	245.3	557.2	95.8	10.0	278.0	639.2	109.9	10.5	316.7	688.4	118.4	12.0	336.6
	7	511.0	87.9	8.5	247.7	579.1	99.6	10.7	280.8	664.3	114.3	11.2	319.9	715.4	123.0	12.9	339.9
	8	530.2	91.2	9.1	250.1	600.9	103.4	11.4	283.5	689.3	118.6	12.0	323.0	742.3	127.7	13.8	343.2
	9	549.5	94.5	9.7	252.6	622.8	107.1	12.2	286.2	714.4	122.9	12.8	326.1	769.3	132.3	14.7	346.5
	10	568.8	97.8	10.3	255.0	644.6	110.9	13.0	289.0	739.4	127.2	13.7	329.2	796.3	137.0	15.7	349.9
	11	588.1	101.1	11.0	257.4	666.5	114.6	13.8	291.7	764.5	131.5	14.5	332.4	823.3	141.6	16.7	353.2
	12	607.4	104.5	11.6	259.8	688.3	118.4	14.6	294.5	789.6	135.8	15.4	335.5	850.3	146.3	17.7	356.5
	13	626.6	107.8	12.3	262.2	710.2	122.2	15.5	297.2	814.6	140.1	16.3	338.6	877.3	150.9	18.7	359.8
	14	645.9	111.1	13.0	264.7	732.0	125.9	16.4	300.0	839.7	144.4	17.3	341.7	904.3	155.5	19.8	363.1
	15	665.2	114.4	13.7	267.1	753.9	129.7	17.3	302.7	864.7	148.7	18.2	344.9	931.3	160.2	20.9	366.5

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		4 x RHME-120AH2				4 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	1282.6	220.6	12.9	299.5	1453.6	250.0	16.1	339.4
	6	1326.6	228.2	13.7	303.4	1503.5	258.6	17.2	343.8
	7	1370.7	235.8	14.5	307.3	1553.4	267.2	18.2	348.3
	8	1414.7	243.3	15.4	311.2	1603.3	275.8	19.3	352.7
	9	1458.8	250.9	16.3	315.2	1653.3	284.4	20.4	357.2
	10	1502.8	258.5	17.2	319.1	1703.2	292.9	21.5	361.6
	11	1546.8	266.1	18.1	323.0	1753.1	301.5	22.7	366.1
	12	1590.9	273.6	19.0	326.9	1803.0	310.1	23.9	370.5
	13	1634.9	281.2	20.0	330.9	1852.9	318.7	25.1	375.0
	14	1678.9	288.8	21.0	334.8	1902.8	327.3	26.4	379.4
	15	1723.0	296.4	22.0	338.7	1952.7	335.9	27.6	383.9
25	5	1240.4	213.3	12.1	334.3	1405.7	241.8	15.2	378.9
	6	1284.1	220.9	12.9	338.4	1455.3	250.3	16.2	383.5
	7	1327.8	228.4	13.7	342.5	1504.9	258.8	17.2	388.1
	8	1371.6	235.9	14.5	346.6	1554.4	267.4	18.2	392.8
	9	1415.3	243.4	15.4	350.6	1604.0	275.9	19.3	397.4
	10	1459.0	251.0	16.3	354.7	1653.6	284.4	20.4	402.0
	11	1502.8	258.5	17.2	358.8	1703.1	292.9	21.5	406.6
	12	1546.5	266.0	18.1	362.8	1752.7	301.5	22.7	411.2
	13	1590.2	273.5	19.0	366.9	1802.3	310.0	23.9	415.8
	14	1634.0	281.0	20.0	371.0	1851.8	318.5	25.1	420.5
	15	1677.7	288.6	21.0	375.1	1901.4	327.0	26.3	425.1
30	5	1194.2	205.4	11.3	367.2	1353.5	232.8	14.2	416.2
	6	1237.6	212.9	12.0	371.4	1402.6	241.2	15.1	421.0
	7	1280.9	220.3	12.8	375.6	1451.7	249.7	16.1	425.7
	8	1324.3	227.8	13.6	379.8	1500.9	258.1	17.1	430.5
	9	1367.7	235.2	14.4	384.1	1550.0	266.6	18.1	435.3
	10	1411.0	242.7	15.3	388.3	1599.1	275.1	19.2	440.0
	11	1454.4	250.2	16.2	392.5	1648.3	283.5	20.3	444.8
	12	1497.7	257.6	17.0	396.7	1697.4	292.0	21.4	449.6
	13	1541.1	265.1	18.0	400.9	1746.6	300.4	22.6	454.4
	14	1584.4	272.5	18.9	405.1	1795.7	308.9	23.7	459.1
	15	1627.8	280.0	19.8	409.3	1844.8	317.3	24.9	463.9
35	5	1116.3	192.0	10.0	398.1	1265.1	217.6	12.5	451.2
	6	1158.1	199.2	10.7	402.4	1312.6	225.8	13.4	456.1
	7	**1200.0**	**206.4**	**11.4**	**406.8**	**1360.0**	**233.9**	**14.3**	**461.0**
	8	1241.9	213.6	12.1	411.1	1407.4	242.1	15.2	465.9
	9	1283.7	220.8	12.9	415.5	1454.9	250.2	16.2	470.8
	10	1325.6	228.0	13.6	419.8	1502.3	258.4	17.1	475.8
	11	1367.4	235.2	14.4	424.1	1549.7	266.6	18.1	480.7
	12	1409.3	242.4	15.3	428.5	1597.2	274.7	19.2	485.6
	13	1451.1	249.6	16.1	432.8	1644.6	282.9	20.2	490.5
	14	1493.0	256.8	17.0	437.1	1692.1	291.0	21.3	495.4
	15	1534.8	264.0	17.8	441.5	1739.5	299.2	22.4	500.3

		4 x RHME-120AH2				4 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1038.3	178.6	8.7	438.0	1176.8	202.4	11.0	496.3
	6	1078.7	185.5	9.4	442.5	1222.5	210.3	11.8	501.5
	7	1119.1	192.5	10.0	447.1	1268.3	218.1	12.6	506.7
	8	1159.4	199.4	10.7	451.6	1314.0	226.0	13.4	511.9
	9	1199.8	206.4	11.4	456.2	1359.7	233.9	14.3	517.0
	10	1240.1	213.3	12.1	460.8	1405.5	241.7	15.2	522.2
	11	1280.5	220.2	12.8	465.3	1451.2	249.6	16.1	527.4
	12	1320.8	227.2	13.6	469.9	1497.0	257.5	17.0	532.6
	13	1361.2	234.1	14.3	474.5	1542.7	265.3	18.0	537.7
	14	1401.6	241.1	15.1	479.0	1588.4	273.2	19.0	542.9
	15	1441.9	248.0	15.9	483.6	1634.2	281.1	20.0	548.1
43	5	991.6	170.6	8.0	461.9	1123.8	193.3	10.1	523.4
	6	1031.0	177.3	8.6	466.6	1168.5	201.0	10.8	528.8
	7	1070.5	184.1	9.2	471.3	1213.2	208.7	11.6	534.1
	8	1110.0	190.9	9.9	476.0	1257.9	216.4	12.4	539.4
	9	1149.4	197.7	10.5	480.7	1302.7	224.1	13.2	544.8
	10	1188.9	204.5	11.2	485.4	1347.4	231.7	14.1	550.1
	11	1228.3	211.3	11.9	490.1	1392.1	239.4	14.9	555.4
	12	1267.8	218.1	12.6	494.8	1436.8	247.1	15.8	560.8
	13	1307.2	224.8	13.3	499.5	1481.5	254.8	16.7	566.1
	14	1346.7	231.6	14.0	504.2	1526.2	262.5	17.6	571.4
	15	1386.1	238.4	14.8	508.9	1571.0	270.2	18.6	576.7
46	5	944.8	162.5	7.4	485.8	1070.8	184.2	9.3	550.5
	6	983.4	169.1	7.9	490.6	1114.5	191.7	10.0	556.0
	7	1021.9	175.8	8.5	495.4	1158.2	199.2	10.7	561.5
	8	1060.5	182.4	9.1	500.3	1201.9	206.7	11.4	567.0
	9	1099.0	189.0	9.7	505.1	1245.6	214.2	12.2	572.5
	10	1137.6	195.7	10.3	510.0	1289.3	221.8	13.0	578.0
	11	1176.2	202.3	11.0	514.8	1333.0	229.3	13.8	583.5
	12	1214.7	208.9	11.6	519.7	1376.7	236.8	14.6	588.9
	13	1253.3	215.6	12.3	524.5	1420.4	244.3	15.5	594.4
	14	1291.8	222.2	13.0	529.3	1464.1	251.8	16.4	599.9
	15	1330.4	228.8	13.7	534.2	1507.8	259.3	17.3	605.4

ABT: Condenser Air Inlet Temperature (ºC)
COT: Chilled Water outlet Temperature (ºC)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 5 Modules

(Pump not included)

		5 x RHME-60AH2				5 x RHME-70AH2				5 x RHME-80AH2				5 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	801.6	137.9	12.9	187.2	908.5	156.3	16.1	212.1	1042.1	179.2	17.0	241.7	1122.3	193.0	19.5	256.8
	6	829.2	142.6	13.7	189.6	939.7	161.6	17.2	214.9	1077.9	185.4	18.1	244.8	1160.8	199.7	20.8	260.2
	7	856.7	147.3	14.5	192.1	970.9	167.0	18.2	217.7	1113.7	191.6	19.3	248.0	1199.3	206.3	22.1	263.5
	8	884.2	152.1	15.4	194.5	1002.1	172.4	19.3	220.5	1149.5	197.7	20.4	251.2	1237.9	212.9	23.4	266.9
	9	911.7	156.8	16.3	197.0	1033.3	177.7	20.4	223.2	1185.2	203.9	21.6	254.3	1276.4	219.5	24.7	270.3
	10	939.2	161.6	17.2	199.4	1064.5	183.1	21.5	226.0	1221.0	210.0	22.8	257.5	1314.9	226.2	26.1	273.6
	11	966.8	166.3	18.1	201.9	1095.7	188.5	22.7	228.8	1256.8	216.2	24.0	260.7	1353.5	232.8	27.5	277.0
	12	994.3	171.0	19.0	204.3	1126.9	193.8	23.9	231.6	1292.6	222.3	25.3	263.8	1392.0	239.4	29.0	280.4
	13	1021.8	175.8	20.0	206.8	1158.1	199.2	25.1	234.4	1328.4	228.5	26.6	267.0	1430.5	246.1	30.5	283.7
	14	1049.3	180.5	21.0	209.2	1189.3	204.6	26.4	237.1	1364.1	234.6	27.9	270.2	1469.1	252.7	32.0	287.1
	15	1076.9	185.2	22.0	211.7	1220.4	209.9	27.6	239.9	1399.9	240.8	29.3	273.3	1507.6	259.3	33.5	290.5
25	5	775.2	133.3	12.1	209.0	878.6	151.1	15.2	236.8	1007.8	173.3	16.0	269.8	1085.3	186.7	18.4	286.7
	6	802.6	138.0	12.9	211.5	909.6	156.4	16.2	239.7	1043.3	179.5	17.1	273.1	1123.6	193.3	19.6	290.2
	7	829.9	142.7	13.7	214.1	940.5	161.8	17.2	242.6	1078.9	185.6	18.2	276.4	1161.9	199.8	20.8	293.7
	8	857.2	147.4	14.5	216.6	971.5	167.1	18.2	245.5	1114.4	191.7	19.3	279.7	1200.1	206.4	22.1	297.2
	9	884.6	152.1	15.4	219.1	1002.5	172.4	19.3	248.4	1149.9	197.8	20.4	283.0	1238.4	213.0	23.4	300.7
	10	911.9	156.8	16.3	221.7	1033.5	177.8	20.4	251.2	1185.5	203.9	21.6	286.3	1276.7	219.6	24.7	304.2
	11	939.2	161.5	17.2	224.2	1064.5	183.1	21.5	254.1	1221.0	210.0	22.8	289.5	1314.9	226.2	26.1	307.7
	12	966.6	166.2	18.1	226.8	1095.4	188.4	22.7	257.0	1256.5	216.1	24.0	292.8	1353.2	232.7	27.5	311.2
	13	993.9	171.0	19.0	229.3	1126.4	193.7	23.9	259.9	1292.1	222.2	25.3	296.1	1391.5	239.3	28.9	314.7
	14	1021.2	175.7	20.0	231.9	1157.4	199.1	25.1	262.8	1327.6	228.3	26.6	299.4	1429.7	245.9	30.4	318.1
	15	1048.6	180.4	21.0	234.4	1188.4	204.4	26.3	265.7	1363.1	234.5	27.9	302.7	1468.0	252.5	31.9	321.6
30	5	746.4	128.4	11.3	229.5	845.9	145.5	14.2	260.1	970.3	166.9	15.0	296.4	1044.9	179.7	17.1	314.9
	6	773.5	133.0	12.0	232.1	876.6	150.8	15.1	263.1	1005.5	173.0	16.0	299.8	1082.9	186.3	18.3	318.5
	7	800.6	137.7	12.8	234.8	907.3	156.1	16.1	266.1	1040.8	179.0	17.0	303.2	1120.8	192.8	19.5	322.1
	8	827.7	142.4	13.6	237.4	938.0	161.3	17.1	269.1	1076.0	185.1	18.1	306.5	1158.8	199.3	20.7	325.7
	9	854.8	147.0	14.4	240.0	968.8	166.6	18.1	272.0	1111.2	191.1	19.2	309.9	1196.7	205.8	22.0	329.4
	10	881.9	151.7	15.3	242.7	999.5	171.9	19.2	275.0	1146.4	197.2	20.3	313.3	1234.6	212.4	23.3	333.0
	11	909.0	156.3	16.2	245.3	1030.2	177.2	20.3	278.0	1181.7	203.2	21.5	316.7	1272.6	218.9	24.6	336.6
	12	936.1	161.0	17.0	247.9	1060.9	182.5	21.4	281.0	1216.9	209.3	22.6	320.1	1310.5	225.4	25.9	340.2
	13	963.2	165.7	18.0	250.6	1091.6	187.8	22.6	284.0	1252.1	215.4	23.9	323.5	1348.4	231.9	27.3	343.8
	14	990.3	170.3	18.9	253.2	1122.3	193.0	23.7	287.0	1287.4	221.4	25.1	326.9	1386.4	238.5	28.8	347.4
	15	1017.4	175.0	19.8	255.8	1153.0	198.3	24.9	289.9	1322.6	227.5	26.4	330.3	1424.3	245.0	30.2	351.0
35	5	697.7	120.0	10.0	248.8	790.7	136.0	12.5	282.0	907.0	156.0	13.2	321.3	976.8	168.0	15.1	341.4
	6	723.8	124.5	10.7	251.5	820.4	141.1	13.4	285.1	941.0	161.9	14.1	324.8	1013.4	174.3	16.2	345.1
	7	**750.0**	**129.0**	**11.4**	**254.2**	**850.0**	**146.2**	**14.3**	**288.1**	**975.0**	**167.7**	**15.1**	**328.3**	**1050.0**	**180.6**	**17.3**	**348.8**
	8	776.2	133.5	12.1	256.9	879.6	151.3	15.2	291.2	1009.0	173.5	16.1	331.8	1086.6	186.9	18.4	352.6
	9	802.3	138.0	12.9	259.7	909.3	156.4	16.2	294.3	1043.0	179.4	17.1	335.3	1123.2	193.2	19.6	356.3
	10	828.5	142.5	13.6	262.4	938.9	161.5	17.1	297.4	1077.0	185.2	18.1	338.8	1159.9	199.5	20.7	360.0
	11	854.6	147.0	14.4	265.1	968.6	166.6	18.1	300.4	1111.0	191.1	19.2	342.3	1196.5	205.8	22.0	363.7
	12	880.8	151.5	15.3	267.8	998.2	171.7	19.2	303.5	1145.0	196.9	20.3	345.8	1233.1	212.1	23.2	367.4
	13	907.0	156.0	16.1	270.5	1027.9	176.8	20.2	306.6	1179.0	202.8	21.4	349.3	1269.7	218.4	24.5	371.2
	14	933.1	160.5	17.0	273.2	1057.5	181.9	21.3	309.6	1213.1	208.6	22.5	352.8	1306.4	224.7	25.8	374.9
	15	959.3	165.0	17.8	275.9	1087.2	187.0	22.4	312.7	1247.1	214.5	23.7	356.3	1343.0	231.0	27.1	378.6

		5 x RHME-60AH2				5 x RHME-70AH2				5 x RHME-80AH2				5 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	649.0	111.6	8.7	273.7	735.5	126.5	11.0	310.2	843.7	145.1	11.6	353.4	908.6	156.3	13.3	375.6
	6	674.2	116.0	9.4	276.6	764.1	131.4	11.8	313.5	876.4	150.7	12.4	357.1	943.9	162.3	14.2	379.5
	7	699.4	120.3	10.0	279.4	792.7	136.3	12.6	316.7	909.2	156.4	13.3	360.8	979.2	168.4	15.2	383.4
	8	724.6	124.6	10.7	282.3	821.3	141.3	13.4	319.9	942.0	162.0	14.2	364.5	1014.5	174.5	16.2	387.3
	9	749.9	129.0	11.4	285.1	849.8	146.2	14.3	323.2	974.8	167.7	15.1	368.2	1049.8	180.6	17.3	391.2
	10	775.1	133.3	12.1	288.0	878.4	151.1	15.2	326.4	1007.6	173.3	16.0	371.9	1085.1	186.6	18.4	395.1
	11	800.3	137.7	12.8	290.8	907.0	156.0	16.1	329.6	1040.4	178.9	17.0	375.5	1120.4	192.7	19.5	399.1
	12	825.5	142.0	13.6	293.7	935.6	160.9	17.0	332.9	1073.2	184.6	18.0	379.2	1155.7	198.8	20.6	403.0
	13	850.7	146.3	14.3	296.5	964.2	165.8	18.0	336.1	1106.0	190.2	19.0	382.9	1191.0	204.9	21.8	406.9
	14	876.0	150.7	15.1	299.4	992.8	170.8	19.0	339.3	1138.8	195.9	20.1	386.6	1226.4	210.9	23.0	410.8
	15	901.2	155.0	15.9	302.3	1021.4	175.7	20.0	342.6	1171.6	201.5	21.1	390.3	1261.7	217.0	24.2	414.7
43	5	619.7	106.6	8.0	288.7	702.4	120.8	10.1	327.2	805.7	138.6	10.6	372.7	867.6	149.2	12.2	396.1
	6	644.4	110.8	8.6	291.6	730.3	125.6	10.8	330.5	837.7	144.1	11.4	376.5	902.2	155.2	13.1	400.1
	7	669.1	115.1	9.2	294.5	758.3	130.4	11.6	333.8	869.8	149.6	12.2	380.3	936.7	161.1	14.0	404.1
	8	693.7	119.3	9.9	297.5	786.2	135.2	12.4	337.1	901.8	155.1	13.1	384.1	971.2	167.0	15.0	408.2
	9	718.4	123.6	10.5	300.4	814.2	140.0	13.2	340.5	933.9	160.6	13.9	387.9	1005.7	173.0	16.0	412.2
	10	743.0	127.8	11.2	303.4	842.1	144.8	14.1	343.8	966.0	166.1	14.8	391.7	1040.3	178.9	17.0	416.2
	11	767.7	132.0	11.9	306.3	870.1	149.7	14.9	347.1	998.0	171.7	15.7	395.5	1074.8	184.9	18.0	420.3
	12	792.4	136.3	12.6	309.2	898.0	154.5	15.8	350.5	1030.1	177.2	16.7	399.3	1109.3	190.8	19.1	424.3
	13	817.0	140.5	13.3	312.2	926.0	159.3	16.7	353.8	1062.1	182.7	17.7	403.1	1143.8	196.7	20.2	428.3
	14	841.7	144.8	14.0	315.1	953.9	164.1	17.6	357.1	1094.2	188.2	18.6	406.9	1178.4	202.7	21.3	432.4
	15	866.3	149.0	14.8	318.1	981.9	168.9	18.6	360.5	1126.2	193.7	19.7	410.7	1212.9	208.6	22.5	436.4
46	5	590.5	101.6	7.4	303.6	669.2	115.1	9.3	344.1	767.7	132.0	9.7	392.0	826.7	142.2	11.2	416.6
	6	614.6	105.7	7.9	306.6	696.6	119.8	10.0	347.5	799.0	137.4	10.5	395.9	860.5	148.0	12.0	420.7
	7	638.7	109.9	8.5	309.7	723.9	124.5	10.7	350.9	830.3	142.8	11.2	399.8	894.2	153.8	12.9	424.9
	8	662.8	114.0	9.1	312.7	751.2	129.2	11.4	354.4	861.6	148.2	12.0	403.7	927.9	159.6	13.8	429.0
	9	686.9	118.1	9.7	315.7	778.5	133.9	12.2	357.8	893.0	153.6	12.8	407.7	961.7	165.4	14.7	433.2
	10	711.0	122.3	10.3	318.7	805.8	138.6	13.0	361.2	924.3	159.0	13.7	411.6	995.4	171.2	15.7	437.3
	11	735.1	126.4	11.0	321.8	833.1	143.3	13.8	364.7	955.6	164.4	14.5	415.5	1029.1	177.0	16.7	441.5
	12	759.2	130.6	11.6	324.8	860.4	148.0	14.6	368.1	987.0	169.8	15.4	419.4	1062.9	182.8	17.7	445.6
	13	783.3	134.7	12.3	327.8	887.7	152.7	15.5	371.5	1018.3	175.1	16.3	423.3	1096.6	188.6	18.7	449.8
	14	807.4	138.9	13.0	330.8	915.0	157.4	16.4	374.9	1049.6	180.5	17.3	427.2	1130.3	194.4	19.8	453.9
	15	831.5	143.0	13.7	333.9	942.4	162.1	17.3	378.4	1080.9	185.9	18.2	431.1	1164.1	200.2	20.9	458.1

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		5 x RHME-120AH2				5 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	1603.3	275.8	12.9	374.3	1817.0	312.5	16.1	424.2
	6	1658.3	285.2	13.7	379.2	1879.4	323.3	17.2	429.8
	7	1713.3	294.7	14.5	384.1	1941.8	334.0	18.2	435.4
	8	1768.4	304.2	15.4	389.0	2004.2	344.7	19.3	440.9
	9	1823.4	313.6	16.3	393.9	2066.6	355.5	20.4	446.5
	10	1878.5	323.1	17.2	398.9	2129.0	366.2	21.5	452.0
	11	1933.5	332.6	18.1	403.8	2191.3	376.9	22.7	457.6
	12	1988.6	342.0	19.0	408.7	2253.7	387.6	23.9	463.1
	13	2043.6	351.5	20.0	413.6	2316.1	398.4	25.1	468.7
	14	2098.7	361.0	21.0	418.5	2378.5	409.1	26.4	474.3
	15	2153.7	370.4	22.0	423.4	2440.9	419.8	27.6	479.8
25	5	1550.5	266.7	12.1	417.9	1757.2	302.2	15.2	473.6
	6	1605.1	276.1	12.9	423.0	1819.1	312.9	16.2	479.4
	7	1659.8	285.5	13.7	428.1	1881.1	323.5	17.2	485.2
	8	1714.5	294.9	14.5	433.2	1943.1	334.2	18.2	491.0
	9	1769.1	304.3	15.4	438.3	2005.0	344.9	19.3	496.7
	10	1823.8	313.7	16.3	443.4	2067.0	355.5	20.4	502.5
	11	1878.5	323.1	17.2	448.5	2128.9	366.2	21.5	508.3
	12	1933.1	332.5	18.1	453.6	2190.9	376.8	22.7	514.0
	13	1987.8	341.9	19.0	458.7	2252.8	387.5	23.9	519.8
	14	2042.5	351.3	20.0	463.7	2314.8	398.1	25.1	525.6
	15	2097.1	360.7	21.0	468.8	2376.8	408.8	26.3	531.3
30	5	1492.8	256.8	11.3	459.0	1691.8	291.0	14.2	520.2
	6	1547.0	266.1	12.0	464.3	1753.2	301.6	15.1	526.2
	7	1601.2	275.4	12.8	469.5	1814.7	312.1	16.1	532.2
	8	1655.4	284.7	13.6	474.8	1876.1	322.7	17.1	538.1
	9	1709.6	294.0	14.4	480.1	1937.5	333.3	18.1	544.1
	10	1763.8	303.4	15.3	485.3	1998.9	343.8	19.2	550.0
	11	1818.0	312.7	16.2	490.6	2060.3	354.4	20.3	556.0
	12	1872.2	322.0	17.0	495.9	2121.8	364.9	21.4	562.0
	13	1926.3	331.3	18.0	501.1	2183.2	375.5	22.6	567.9
	14	1980.5	340.7	18.9	506.4	2244.6	386.1	23.7	573.9
	15	2034.7	350.0	19.8	511.7	2306.0	396.6	24.9	579.9
35	5	1395.4	240.0	10.0	497.6	1581.4	272.0	12.5	564.0
	6	1447.7	249.0	10.7	503.1	1640.7	282.2	13.4	570.1
	7	**1500.0**	**258.0**	**11.4**	**508.5**	**1700.0**	**292.4**	**14.3**	**576.3**
	8	1552.3	267.0	12.1	513.9	1759.3	302.6	15.2	582.4
	9	1604.6	276.0	12.9	519.3	1818.6	312.8	16.2	588.6
	10	1657.0	285.0	13.6	524.7	1877.9	323.0	17.1	594.7
	11	1709.3	294.0	14.4	530.2	1937.2	333.2	18.1	600.8
	12	1761.6	303.0	15.3	535.6	1996.5	343.4	19.2	607.0
	13	1813.9	312.0	16.1	541.0	2055.8	353.6	20.2	613.1
	14	1866.2	321.0	17.0	546.4	2115.1	363.8	21.3	619.3
	15	1918.6	330.0	17.8	551.8	2174.4	374.0	22.4	625.4

		5 x RHME-120AH2				5 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1297.9	223.2	8.7	547.4	1471.0	253.0	11.0	620.4
	6	1348.4	231.9	9.4	553.1	1528.2	262.8	11.8	626.9
	7	1398.8	240.6	10.0	558.9	1585.3	272.7	12.6	633.4
	8	1449.3	249.3	10.7	564.6	1642.5	282.5	13.4	639.8
	9	1499.7	258.0	11.4	570.3	1699.7	292.3	14.3	646.3
	10	1550.2	266.6	12.1	576.0	1756.8	302.2	15.2	652.8
	11	1600.6	275.3	12.8	581.7	1814.0	312.0	16.1	659.2
	12	1651.1	284.0	13.6	587.4	1871.2	321.8	17.0	665.7
	13	1701.5	292.7	14.3	593.1	1928.4	331.7	18.0	672.2
	14	1751.9	301.3	15.1	598.8	1985.5	341.5	19.0	678.6
	15	1802.4	310.0	15.9	604.5	2042.7	351.3	20.0	685.1
43	5	1239.5	213.2	8.0	577.3	1404.7	241.6	10.1	654.3
	6	1288.8	221.7	8.6	583.2	1460.6	251.2	10.8	661.0
	7	1338.1	230.2	9.2	589.1	1516.5	260.8	11.6	667.6
	8	1387.4	238.6	9.9	595.0	1572.4	270.5	12.4	674.3
	9	1436.8	247.1	10.5	600.8	1628.3	280.1	13.2	681.0
	10	1486.1	255.6	11.2	606.7	1684.2	289.7	14.1	687.6
	11	1535.4	264.1	11.9	612.6	1740.1	299.3	14.9	694.3
	12	1584.7	272.6	12.6	618.5	1796.0	308.9	15.8	700.9
	13	1634.0	281.1	13.3	624.4	1851.9	318.5	16.7	707.6
	14	1683.4	289.5	14.0	630.2	1907.8	328.1	17.6	714.3
	15	1732.7	298.0	14.8	636.1	1963.7	337.8	18.6	720.9
46	5	1181.0	203.1	7.4	607.2	1338.5	230.2	9.3	688.2
	6	1229.2	211.4	7.9	613.3	1393.1	239.6	10.0	695.0
	7	1277.4	219.7	8.5	619.3	1447.7	249.0	10.7	701.9
	8	1325.6	228.0	9.1	625.4	1502.4	258.4	11.4	708.7
	9	1373.8	236.3	9.7	631.4	1557.0	267.8	12.2	715.6
	10	1422.0	244.6	10.3	637.5	1611.6	277.2	13.0	722.5
	11	1470.2	252.9	11.0	643.5	1666.2	286.6	13.8	729.3
	12	1518.4	261.2	11.6	649.6	1720.8	296.0	14.6	736.2
	13	1566.6	269.5	12.3	655.6	1775.5	305.4	15.5	743.0
	14	1614.8	277.7	13.0	661.7	1830.1	314.8	16.4	749.9
	15	1663.0	286.0	13.7	667.7	1884.7	324.2	17.3	756.7

ABT: Condenser Air Inlet Temperature (ºC)
COT: Chilled Water outlet Temperature (ºC)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 6 Modules

(Pump not included)

		6 x RHME-60AH2				6 x RHME-70AH2				6 x RHME-80AH2				6 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	962.0	165.5	12.9	224.6	1090.2	187.5	16.1	254.5	1250.5	215.1	17.0	290.0	1346.7	231.6	19.5	308.2
	6	995.0	171.1	13.7	227.5	1127.6	194.0	17.2	257.9	1293.5	222.5	18.1	293.8	1393.0	239.6	20.8	312.2
	7	1028.0	176.8	14.5	230.5	1165.1	200.4	18.2	261.2	1336.4	229.9	19.3	297.6	1439.2	247.5	22.1	316.2
	8	1061.0	182.5	15.4	233.4	1202.5	206.8	19.3	264.5	1379.3	237.2	20.4	301.4	1485.5	255.5	23.4	320.3
	9	1094.1	188.2	16.3	236.4	1239.9	213.3	20.4	267.9	1422.3	244.6	21.6	305.2	1531.7	263.5	24.7	324.3
	10	1127.1	193.9	17.2	239.3	1277.4	219.7	21.5	271.2	1465.2	252.0	22.8	309.0	1577.9	271.4	26.1	328.4
	11	1160.1	199.5	18.1	242.3	1314.8	226.1	22.7	274.6	1508.2	259.4	24.0	312.8	1624.2	279.4	27.5	332.4
	12	1193.2	205.2	19.0	245.2	1352.2	232.6	23.9	277.9	1551.1	266.8	25.3	316.6	1670.4	287.3	29.0	336.4
	13	1226.2	210.9	20.0	248.1	1389.7	239.0	25.1	281.2	1594.0	274.2	26.6	320.4	1716.7	295.3	30.5	340.5
	14	1259.2	216.6	21.0	251.1	1427.1	245.5	26.4	284.6	1637.0	281.6	27.9	324.2	1762.9	303.2	32.0	344.5
	15	1292.2	222.3	22.0	254.0	1464.5	251.9	27.6	287.9	1679.9	288.9	29.3	328.0	1809.1	311.2	33.5	348.5
25	5	930.3	160.0	12.1	250.8	1054.3	181.3	15.2	284.2	1209.4	208.0	16.0	323.8	1302.4	224.0	18.4	344.1
	6	963.1	165.6	12.9	253.8	1091.5	187.7	16.2	287.6	1252.0	215.3	17.1	327.7	1348.3	231.9	19.6	348.2
	7	995.9	171.3	13.7	256.9	1128.7	194.1	17.2	291.1	1294.6	222.7	18.2	331.7	1394.2	239.8	20.8	352.4
	8	1028.7	176.9	14.5	259.9	1165.8	200.5	18.2	294.6	1337.3	230.0	19.3	335.6	1440.1	247.7	22.1	356.6
	9	1061.5	182.6	15.4	263.0	1203.0	206.9	19.3	298.0	1379.9	237.3	20.4	339.6	1486.1	255.6	23.4	360.8
	10	1094.3	188.2	16.3	266.0	1240.2	213.3	20.4	301.5	1422.6	244.7	21.6	343.5	1532.0	263.5	24.7	365.0
	11	1127.1	193.9	17.2	269.1	1277.4	219.7	21.5	305.0	1465.2	252.0	22.8	347.4	1577.9	271.4	26.1	369.2
	12	1159.9	199.5	18.1	272.1	1314.5	226.1	22.7	308.4	1507.8	259.3	24.0	351.4	1623.8	279.3	27.5	373.4
	13	1192.7	205.1	19.0	275.2	1351.7	232.5	23.9	311.9	1550.5	266.7	25.3	355.3	1669.8	287.2	28.9	377.6
	14	1225.5	210.8	20.0	278.2	1388.9	238.9	25.1	315.3	1593.1	274.0	26.6	359.3	1715.7	295.1	30.4	381.8
	15	1258.3	216.4	21.0	281.3	1426.1	245.3	26.3	318.8	1635.8	281.4	27.9	363.2	1761.6	303.0	31.9	386.0
30	5	895.7	154.1	11.3	275.4	1015.1	174.6	14.2	312.1	1164.4	200.3	15.0	355.6	1253.9	215.7	17.1	377.9
	6	928.2	159.6	12.0	278.6	1051.9	180.9	15.1	315.7	1206.6	207.5	16.0	359.7	1299.5	223.5	18.3	382.2
	7	960.7	165.2	12.8	281.7	1088.8	187.3	16.1	319.3	1248.9	214.8	17.0	363.8	1345.0	231.3	19.5	386.6
	8	993.2	170.8	13.6	284.9	1125.7	193.6	17.1	322.9	1291.2	222.1	18.1	367.9	1390.5	239.2	20.7	390.9
	9	1025.7	176.4	14.4	288.0	1162.5	200.0	18.1	326.5	1333.5	229.4	19.2	371.9	1436.0	247.0	22.0	395.2
	10	1058.3	182.0	15.3	291.2	1199.4	206.3	19.2	330.0	1375.7	236.6	20.3	376.0	1481.6	254.8	23.3	399.6
	11	1090.8	187.6	16.2	294.4	1236.2	212.6	20.3	333.6	1418.0	243.9	21.5	380.1	1527.1	262.7	24.6	403.9
	12	1123.3	193.2	17.0	297.5	1273.1	219.0	21.4	337.2	1460.3	251.2	22.6	384.2	1572.6	270.5	25.9	408.2
	13	1155.8	198.8	18.0	300.7	1309.9	225.3	22.6	340.8	1502.5	258.4	23.9	388.2	1618.1	278.3	27.3	412.6
	14	1188.3	204.4	18.9	303.8	1346.8	231.6	23.7	344.3	1544.8	265.7	25.1	392.3	1663.7	286.1	28.8	416.9
	15	1220.8	210.0	19.8	307.0	1383.6	238.0	24.9	347.9	1587.1	273.0	26.4	396.4	1709.2	294.0	30.2	421.2
35	5	837.2	144.0	10.0	298.6	948.8	163.2	12.5	338.4	1088.4	187.2	13.2	385.5	1172.1	201.6	15.1	409.7
	6	868.6	149.4	10.7	301.8	984.4	169.3	13.4	342.1	1129.2	194.2	14.1	389.7	1216.1	209.2	16.2	414.1
	7	**900.0**	**154.8**	**11.4**	**305.1**	**1020.0**	**175.4**	**14.3**	**345.8**	**1170.0**	**201.2**	**15.1**	**393.9**	**1260.0**	**216.7**	**17.3**	**418.6**
	8	931.4	160.2	12.1	308.3	1055.6	181.6	15.2	349.4	1210.8	208.3	16.1	398.1	1303.9	224.3	18.4	423.1
	9	962.8	165.6	12.9	311.6	1091.2	187.7	16.2	353.1	1251.6	215.3	17.1	402.3	1347.9	231.8	19.6	427.5
	10	994.2	171.0	13.6	314.8	1126.7	193.8	17.1	356.8	1292.4	222.3	18.1	406.5	1391.8	239.4	20.7	432.0
	11	1025.6	176.4	14.4	318.1	1162.3	199.9	18.1	360.5	1333.2	229.3	19.2	410.7	1435.8	247.0	22.0	436.5
	12	1057.0	181.8	15.3	321.3	1197.9	206.0	19.2	364.2	1374.0	236.3	20.3	414.9	1479.7	254.5	23.2	440.9
	13	1088.4	187.2	16.1	324.6	1233.5	212.2	20.2	367.9	1414.9	243.4	21.4	419.1	1523.7	262.1	24.5	445.4
	14	1119.7	192.6	17.0	327.9	1269.0	218.3	21.3	371.6	1455.7	250.4	22.5	423.3	1567.6	269.6	25.8	449.8
	15	1151.1	198.0	17.8	331.1	1304.6	224.4	22.4	375.3	1496.5	257.4	23.7	427.5	1611.6	277.2	27.1	454.3

		6 x RHME-60AH2				6 x RHME-70AH2				6 x RHME-80AH2				6 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	778.8	133.9	8.7	328.5	882.6	151.8	11.0	372.3	1012.4	174.1	11.6	424.1	1090.3	187.5	13.3	450.7
	6	809.0	139.2	9.4	331.9	916.9	157.7	11.8	376.1	1051.7	180.9	12.4	428.5	1132.6	194.8	14.2	455.4
	7	839.3	144.4	10.0	335.3	951.2	163.6	12.6	380.0	1091.1	187.7	13.3	433.0	1175.0	202.1	15.2	460.1
	8	869.6	149.6	10.7	338.7	985.5	169.5	13.4	383.9	1130.4	194.4	14.2	437.4	1217.4	209.4	16.2	464.8
	9	899.8	154.8	11.4	342.2	1019.8	175.4	14.3	387.8	1169.8	201.2	15.1	441.8	1259.8	216.7	17.3	469.5
	10	930.1	160.0	12.1	345.6	1054.1	181.3	15.2	391.7	1209.1	208.0	16.0	446.2	1302.1	224.0	18.4	474.2
	11	960.4	165.2	12.8	349.0	1088.4	187.2	16.1	395.5	1248.5	214.7	17.0	450.7	1344.5	231.3	19.5	478.9
	12	990.6	170.4	13.6	352.4	1122.7	193.1	17.0	399.4	1287.8	221.5	18.0	455.1	1386.9	238.5	20.6	483.6
	13	1020.9	175.6	14.3	355.9	1157.0	199.0	18.0	403.3	1327.2	228.3	19.0	459.5	1429.3	245.8	21.8	488.3
	14	1051.2	180.8	15.1	359.3	1191.3	204.9	19.0	407.2	1366.5	235.0	20.1	463.9	1471.6	253.1	23.0	493.0
	15	1081.4	186.0	15.9	362.7	1225.6	210.8	20.0	411.1	1405.9	241.8	21.1	468.3	1514.0	260.4	24.2	497.7
43	5	743.7	127.9	8.0	346.4	842.8	145.0	10.1	392.6	966.8	166.3	10.6	447.3	1041.2	179.1	12.2	475.3
	6	773.3	133.0	8.6	349.9	876.4	150.7	10.8	396.6	1005.3	172.9	11.4	451.8	1082.6	186.2	13.1	480.1
	7	802.9	138.1	9.2	353.4	909.9	156.5	11.6	400.6	1043.7	179.5	12.2	456.4	1124.0	193.3	14.0	485.0
	8	832.5	143.2	9.9	357.0	943.5	162.3	12.4	404.6	1082.2	186.1	13.1	460.9	1165.4	200.5	15.0	489.8
	9	862.1	148.3	10.5	360.5	977.0	168.0	13.2	408.6	1120.7	192.8	13.9	465.5	1206.9	207.6	16.0	494.6
	10	891.6	153.4	11.2	364.0	1010.5	173.8	14.1	412.6	1159.1	199.4	14.8	470.1	1248.3	214.7	17.0	499.5
	11	921.2	158.5	11.9	367.6	1044.1	179.6	14.9	416.6	1197.6	206.0	15.7	474.6	1289.7	221.8	18.0	504.3
	12	950.8	163.5	12.6	371.1	1077.6	185.3	15.8	420.6	1236.1	212.6	16.7	479.2	1331.2	229.0	19.1	509.2
	13	980.4	168.6	13.3	374.6	1111.1	191.1	16.7	424.6	1274.6	219.2	17.7	483.7	1372.6	236.1	20.2	514.0
	14	1010.0	173.7	14.0	378.1	1144.7	196.9	17.6	428.6	1313.0	225.8	18.6	488.3	1414.0	243.2	21.3	518.8
	15	1039.6	178.8	14.8	381.7	1178.2	202.7	18.6	432.6	1351.5	232.5	19.7	492.8	1455.5	250.3	22.5	523.7
46	5	708.6	121.9	7.4	364.3	803.1	138.1	9.3	412.9	921.2	158.4	9.7	470.4	992.1	170.6	11.2	499.9
	6	737.5	126.9	7.9	368.0	835.9	143.8	10.0	417.0	958.8	164.9	10.5	475.1	1032.5	177.6	12.0	504.9
	7	766.4	131.8	8.5	371.6	868.6	149.4	10.7	421.1	996.4	171.4	11.2	479.8	1073.0	184.6	12.9	509.9
	8	795.4	136.8	9.1	375.2	901.4	155.0	11.4	425.2	1034.0	177.8	12.0	484.5	1113.5	191.5	13.8	514.8
	9	824.3	141.8	9.7	378.8	934.2	160.7	12.2	429.4	1071.6	184.3	12.8	489.2	1154.0	198.5	14.7	519.8
	10	853.2	146.8	10.3	382.5	967.0	166.3	13.0	433.5	1109.2	190.8	13.7	493.9	1194.5	205.5	15.7	524.8
	11	882.1	151.7	11.0	386.1	999.7	172.0	13.8	437.6	1146.8	197.2	14.5	498.6	1235.0	212.4	16.7	529.8
	12	911.0	156.7	11.6	389.7	1032.5	177.6	14.6	441.7	1184.3	203.7	15.4	503.2	1275.4	219.4	17.7	534.8
	13	940.0	161.7	12.3	393.4	1065.3	183.2	15.5	445.8	1221.9	210.2	16.3	507.9	1315.9	226.3	18.7	539.7
	14	968.9	166.6	13.0	397.0	1098.1	188.9	16.4	449.9	1259.5	216.6	17.3	512.6	1356.4	233.3	19.8	544.7
	15	997.8	171.6	13.7	400.6	1130.8	194.5	17.3	454.0	1297.1	223.1	18.2	517.3	1396.9	240.3	20.9	549.7

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		6 x RHME-120AH2				6 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	1923.9	330.9	12.9	449.2	2180.4	375.0	16.1	509.1
	6	1990.0	342.3	13.7	455.1	2255.3	387.9	17.2	515.8
	7	2056.0	353.6	14.5	461.0	2330.2	400.8	18.2	522.4
	8	2122.1	365.0	15.4	466.8	2405.0	413.7	19.3	529.1
	9	2188.1	376.4	16.3	472.7	2479.9	426.5	20.4	535.8
	10	2254.2	387.7	17.2	478.6	2554.7	439.4	21.5	542.4
	11	2320.2	399.1	18.1	484.5	2629.6	452.3	22.7	549.1
	12	2386.3	410.4	19.0	490.4	2704.5	465.2	23.9	555.8
	13	2452.4	421.8	20.0	496.3	2779.3	478.0	25.1	562.5
	14	2518.4	433.2	21.0	502.2	2854.2	490.9	26.4	569.1
	15	2584.5	444.5	22.0	508.1	2929.1	503.8	27.6	575.8
25	5	1860.5	320.0	12.1	501.5	2108.6	362.7	15.2	568.4
	6	1926.1	331.3	12.9	507.6	2183.0	375.5	16.2	575.3
	7	1991.7	342.6	13.7	513.7	2257.3	388.3	17.2	582.2
	8	2057.4	353.9	14.5	519.8	2331.7	401.0	18.2	589.1
	9	2123.0	365.1	15.4	525.9	2406.0	413.8	19.3	596.1
	10	2188.6	376.4	16.3	532.1	2480.4	426.6	20.4	603.0
	11	2254.2	387.7	17.2	538.2	2554.7	439.4	21.5	609.9
	12	2319.8	399.0	18.1	544.3	2629.1	452.2	22.7	616.8
	13	2385.4	410.3	19.0	550.4	2703.4	465.0	23.9	623.8
	14	2451.0	421.6	20.0	556.5	2777.8	477.8	25.1	630.7
	15	2516.6	432.8	21.0	562.6	2852.1	490.6	26.3	637.6
30	5	1791.3	308.1	11.3	550.8	2030.2	349.2	14.2	624.3
	6	1856.4	319.3	12.0	557.1	2103.9	361.9	15.1	631.4
	7	1921.4	330.5	12.8	563.5	2177.6	374.5	16.1	638.6
	8	1986.4	341.7	13.6	569.8	2251.3	387.2	17.1	645.7
	9	2051.5	352.9	14.4	576.1	2325.0	399.9	18.1	652.9
	10	2116.5	364.0	15.3	582.4	2398.7	412.6	19.2	660.1
	11	2181.5	375.2	16.2	588.7	2472.4	425.3	20.3	667.2
	12	2246.6	386.4	17.0	595.0	2546.1	437.9	21.4	674.4
	13	2311.6	397.6	18.0	601.4	2619.8	450.6	22.6	681.5
	14	2376.6	408.8	18.9	607.7	2693.5	463.3	23.7	688.7
	15	2441.7	420.0	19.8	614.0	2767.2	476.0	24.9	695.9
35	5	1674.4	288.0	10.0	597.2	1897.7	326.4	12.5	676.8
	6	1737.2	298.8	10.7	603.7	1968.8	338.6	13.4	684.2
	7	**1800.0**	**309.6**	**11.4**	**610.2**	**2040.0**	**350.9**	**14.3**	**691.5**
	8	1862.8	320.4	12.1	616.7	2111.2	363.1	15.2	698.9
	9	1925.6	331.2	12.9	623.2	2182.3	375.4	16.2	706.3
	10	1988.4	342.0	13.6	629.7	2253.5	387.6	17.1	713.6
	11	2051.1	352.8	14.4	636.2	2324.6	399.8	18.1	721.0
	12	2113.9	363.6	15.3	642.7	2395.8	412.1	19.2	728.4
	13	2176.7	374.4	16.1	649.2	2466.9	424.3	20.2	735.8
	14	2239.5	385.2	17.0	655.7	2538.1	436.6	21.3	743.1
	15	2302.3	396.0	17.8	662.2	2609.2	448.8	22.4	750.5

		6 x RHME-120AH2				6 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1557.5	267.9	8.7	656.9	1765.2	303.6	11.0	744.5
	6	1618.1	278.3	9.4	663.8	1833.8	315.4	11.8	752.3
	7	1678.6	288.7	10.0	670.6	1902.4	327.2	12.6	760.0
	8	1739.1	299.1	10.7	677.5	1971.0	339.0	13.4	767.8
	9	1799.7	309.5	11.4	684.3	2039.6	350.8	14.3	775.6
	10	1860.2	320.0	12.1	691.2	2108.2	362.6	15.2	783.3
	11	1920.7	330.4	12.8	698.0	2176.8	374.4	16.1	791.1
	12	1981.3	340.8	13.6	704.9	2245.4	386.2	17.0	798.9
	13	2041.8	351.2	14.3	711.7	2314.0	398.0	18.0	806.6
	14	2102.3	361.6	15.1	718.6	2382.6	409.8	19.0	814.4
	15	2162.9	372.0	15.9	725.4	2451.2	421.6	20.0	822.1
43	5	1487.4	255.8	8.0	692.8	1685.7	289.9	10.1	785.2
	6	1546.6	266.0	8.6	699.8	1752.8	301.5	10.8	793.2
	7	1605.7	276.2	9.2	706.9	1819.8	313.0	11.6	801.2
	8	1664.9	286.4	9.9	714.0	1886.9	324.5	12.4	809.1
	9	1724.1	296.5	10.5	721.0	1954.0	336.1	13.2	817.1
	10	1783.3	306.7	11.2	728.1	2021.1	347.6	14.1	825.1
	11	1842.5	316.9	11.9	735.1	2088.1	359.2	14.9	833.1
	12	1901.7	327.1	12.6	742.2	2155.2	370.7	15.8	841.1
	13	1960.8	337.3	13.3	749.2	2222.3	382.2	16.7	849.1
	14	2020.0	347.4	14.0	756.3	2289.4	393.8	17.6	857.1
	15	2079.2	357.6	14.8	763.3	2356.4	405.3	18.6	865.1
46	5	1417.2	243.8	7.4	728.7	1606.2	276.3	9.3	825.8
	6	1475.1	253.7	7.9	735.9	1671.7	287.5	10.0	834.0
	7	1532.9	263.7	8.5	743.2	1737.3	298.8	10.7	842.3
	8	1590.7	273.6	9.1	750.4	1802.8	310.1	11.4	850.5
	9	1648.6	283.6	9.7	757.7	1868.4	321.4	12.2	858.7
	10	1706.4	293.5	10.3	765.0	1933.9	332.6	13.0	866.9
	11	1764.2	303.4	11.0	772.2	1999.5	343.9	13.8	875.2
	12	1822.1	313.4	11.6	779.5	2065.0	355.2	14.6	883.4
	13	1879.9	323.3	12.3	786.7	2130.6	366.5	15.5	891.6
	14	1937.7	333.3	13.0	794.0	2196.1	377.7	16.4	899.9
	15	1995.6	343.2	13.7	801.3	2261.6	389.0	17.3	908.1

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 7 Modules

(Pump not included)

		7 x RHME-60AH2				7 x RHME-70AH2				7 x RHME-80AH2				7 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
	5	1122.3	193.0	12.9	262.0	1271.9	218.8	16.1	297.0	1459.0	250.9	17.0	338.3	1571.2	270.2	19.5	359.5
	6	1160.8	199.7	13.7	265.5	1315.6	226.3	17.2	300.9	1509.1	259.6	18.1	342.8	1625.1	279.5	20.8	364.2
	7	1199.3	206.3	14.5	268.9	1359.3	233.8	18.2	304.7	1559.1	268.2	19.3	347.2	1679.1	288.8	22.1	368.9
	8	1237.9	212.9	15.4	272.3	1402.9	241.3	19.3	308.6	1609.2	276.8	20.4	351.6	1733.0	298.1	23.4	373.7
	9	1276.4	219.5	16.3	275.8	1446.6	248.8	20.4	312.5	1659.3	285.4	21.6	356.1	1787.0	307.4	24.7	378.4
20	10	1314.9	226.2	17.2	279.2	1490.3	256.3	21.5	316.4	1709.4	294.0	22.8	360.5	1840.9	316.6	26.1	383.1
	11	1353.5	232.8	18.1	282.6	1533.9	263.8	22.7	320.3	1759.5	302.6	24.0	364.9	1894.9	325.9	27.5	387.8
	12	1392.0	239.4	19.0	286.1	1577.6	271.3	23.9	324.2	1809.6	311.3	25.3	369.4	1948.8	335.2	29.0	392.5
	13	1430.5	246.1	20.0	289.5	1621.3	278.9	25.1	328.1	1859.7	319.9	26.6	373.8	2002.8	344.5	30.5	397.2
	14	1469.1	252.7	21.0	292.9	1665.0	286.4	26.4	332.0	1909.8	328.5	27.9	378.2	2056.7	353.8	32.0	401.9
	15	1507.6	259.3	22.0	296.4	1708.6	293.9	27.6	335.9	1959.9	337.1	29.3	382.7	2110.7	363.0	33.5	406.6
	5	1085.3	186.7	12.1	292.5	1230.0	211.6	15.2	331.5	1410.9	242.7	16.0	377.7	1519.4	261.3	18.4	401.4
	6	1123.6	193.3	12.9	296.1	1273.4	219.0	16.2	335.6	1460.7	251.2	17.1	382.3	1573.0	270.6	19.6	406.3
	7	1161.9	199.8	13.7	299.7	1316.8	226.5	17.2	339.6	1510.4	259.8	18.2	386.9	1626.6	279.8	20.8	411.2
	8	1200.1	206.4	14.5	303.2	1360.1	233.9	18.2	343.7	1560.2	268.3	19.3	391.5	1680.2	289.0	22.1	416.1
	9	1238.4	213.0	15.4	306.8	1403.5	241.4	19.3	347.7	1609.9	276.9	20.4	396.2	1733.7	298.2	23.4	421.0
25	10	1276.7	219.6	16.3	310.4	1446.9	248.9	20.4	351.7	1659.7	285.5	21.6	400.8	1787.3	307.4	24.7	425.8
	11	1314.9	226.2	17.2	313.9	1490.2	256.3	21.5	355.8	1709.4	294.0	22.8	405.4	1840.9	316.6	26.1	430.7
	12	1353.2	232.7	18.1	317.5	1533.6	263.8	22.7	359.8	1759.2	302.6	24.0	410.0	1894.5	325.8	27.5	435.6
	13	1391.5	239.3	19.0	321.1	1577.0	271.2	23.9	363.9	1808.9	311.1	25.3	414.6	1948.0	335.1	28.9	440.5
	14	1429.7	245.9	20.0	324.6	1620.4	278.7	25.1	367.9	1858.6	319.7	26.6	419.2	2001.6	344.3	30.4	445.4
	15	1468.0	252.5	21.0	328.2	1663.7	286.2	26.3	371.9	1908.4	328.2	27.9	423.8	2055.2	353.5	31.9	450.3
	5	1044.9	179.7	11.3	321.3	1184.3	203.7	14.2	364.2	1358.4	233.7	15.0	414.9	1462.9	251.6	17.1	440.9
	6	1082.9	186.3	12.0	325.0	1227.3	211.1	15.1	368.3	1407.8	242.1	16.0	419.7	1516.0	260.8	18.3	445.9
	7	1120.8	192.8	12.8	328.7	1270.3	218.5	16.1	372.5	1457.1	250.6	17.0	424.4	1569.2	269.9	19.5	451.0
	8	1158.8	199.3	13.6	332.4	1313.3	225.9	17.1	376.7	1506.4	259.1	18.1	429.2	1622.3	279.0	20.7	456.0
	9	1196.7	205.8	14.4	336.1	1356.3	233.3	18.1	380.9	1555.7	267.6	19.2	433.9	1675.4	288.2	22.0	461.1
30	10	1234.6	212.4	15.3	339.7	1399.2	240.7	19.2	385.0	1605.0	276.1	20.3	438.7	1728.5	297.3	23.3	466.1
	11	1272.6	218.9	16.2	343.4	1442.2	248.1	20.3	389.2	1654.3	284.5	21.5	443.4	1781.6	306.4	24.6	471.2
	12	1310.5	225.4	17.0	347.1	1485.2	255.5	21.4	393.4	1703.7	293.0	22.6	448.2	1834.7	315.6	25.9	476.3
	13	1348.4	231.9	18.0	350.8	1528.2	262.9	22.6	397.6	1753.0	301.5	23.9	453.0	1887.8	324.7	27.3	481.3
	14	1386.4	238.5	18.9	354.5	1571.2	270.3	23.7	401.7	1802.3	310.0	25.1	457.7	1940.9	333.8	28.8	486.4
	15	1424.3	245.0	19.8	358.2	1614.2	277.6	24.9	405.9	1851.6	318.5	26.4	462.5	1994.0	343.0	30.2	491.4
	5	976.8	168.0	10.0	348.3	1107.0	190.4	12.5	394.8	1269.8	218.4	13.2	449.8	1367.5	235.2	15.1	478.0
	6	1013.4	174.3	10.7	352.1	1148.5	197.5	13.4	399.1	1317.4	226.6	14.1	454.7	1418.7	244.0	16.2	483.2
	7	**1050.0**	**180.6**	**11.4**	**355.9**	**1190.0**	**204.7**	**14.3**	**403.4**	**1365.0**	**234.8**	**15.1**	**459.6**	**1470.0**	**252.8**	**17.3**	**488.4**
	8	1086.6	186.9	12.1	359.7	1231.5	211.8	15.2	407.7	1412.6	243.0	16.1	464.5	1521.3	261.7	18.4	493.6
	9	1123.2	193.2	12.9	363.5	1273.0	219.0	16.2	412.0	1460.2	251.2	17.1	469.4	1572.5	270.5	19.6	498.8
35	10	1159.9	199.5	13.6	367.3	1314.5	226.1	17.1	416.3	1507.8	259.3	18.1	474.3	1623.8	279.3	20.7	504.0
	11	1196.5	205.8	14.4	371.1	1356.0	233.2	18.1	420.6	1555.4	267.5	19.2	479.2	1675.1	288.1	22.0	509.2
	12	1233.1	212.1	15.3	374.9	1397.5	240.4	19.2	424.9	1603.1	275.7	20.3	484.1	1726.4	296.9	23.2	514.4
	13	1269.7	218.4	16.1	378.7	1439.0	247.5	20.2	429.2	1650.7	283.9	21.4	489.0	1777.6	305.8	24.5	519.6
	14	1306.4	224.7	17.0	382.5	1480.6	254.7	21.3	433.5	1698.3	292.1	22.5	493.9	1828.9	314.6	25.8	524.8
	15	1343.0	231.0	17.8	386.3	1522.1	261.8	22.4	437.8	1745.9	300.3	23.7	498.8	1880.2	323.4	27.1	530.0

		7 x RHME-60AH2				7 x RHME-70AH2				7 x RHME-80AH2				7 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	908.6	156.3	8.7	383.2	1029.7	177.1	11.0	434.3	1181.1	203.2	11.6	494.8	1272.0	218.8	13.3	525.8
	6	943.9	162.3	9.4	387.2	1069.7	184.0	11.8	438.8	1227.0	211.0	12.4	500.0	1321.4	227.3	14.2	531.3
	7	979.2	168.4	10.0	391.2	1109.7	190.9	12.6	443.4	1272.9	218.9	13.3	505.1	1370.8	235.8	15.2	536.8
	8	1014.5	174.5	10.7	395.2	1149.8	197.8	13.4	447.9	1318.8	226.8	14.2	510.3	1420.3	244.3	16.2	542.2
	9	1049.8	180.6	11.4	399.2	1189.8	204.6	14.3	452.4	1364.7	234.7	15.1	515.5	1469.7	252.8	17.3	547.7
	10	1085.1	186.6	12.1	403.2	1229.8	211.5	15.2	456.9	1410.6	242.6	16.0	520.6	1519.2	261.3	18.4	553.2
	11	1120.4	192.7	12.8	407.2	1269.8	218.4	16.1	461.5	1456.6	250.5	17.0	525.8	1568.6	269.8	19.5	558.7
	12	1155.7	198.8	13.6	411.2	1309.8	225.3	17.0	466.0	1502.5	258.4	18.0	530.9	1618.0	278.3	20.6	564.2
	13	1191.0	204.9	14.3	415.2	1349.9	232.2	18.0	470.5	1548.4	266.3	19.0	536.1	1667.5	286.8	21.8	569.7
	14	1226.4	210.9	15.1	419.2	1389.9	239.1	19.0	475.1	1594.3	274.2	20.1	541.2	1716.9	295.3	23.0	575.1
	15	1261.7	217.0	15.9	423.2	1429.9	245.9	20.0	479.6	1640.2	282.1	21.1	546.4	1766.3	303.8	24.2	580.6
43	5	867.6	149.2	8.0	404.1	983.3	169.1	10.1	458.0	1127.9	194.0	10.6	521.8	1214.7	208.9	12.2	554.5
	6	902.2	155.2	8.6	408.2	1022.4	175.9	10.8	462.7	1172.8	201.7	11.4	527.1	1263.0	217.2	13.1	560.1
	7	936.7	161.1	9.2	412.4	1061.6	182.6	11.6	467.3	1217.7	209.4	12.2	532.5	1311.4	225.6	14.0	565.8
	8	971.2	167.0	9.9	416.5	1100.7	189.3	12.4	472.0	1262.6	217.2	13.1	537.8	1359.7	233.9	15.0	571.4
	9	1005.7	173.0	10.5	420.6	1139.8	196.1	13.2	476.7	1307.5	224.9	13.9	543.1	1408.0	242.2	16.0	577.1
	10	1040.3	178.9	11.2	424.7	1179.0	202.8	14.1	481.3	1352.3	232.6	14.8	548.4	1456.4	250.5	17.0	582.7
	11	1074.8	184.9	11.9	428.8	1218.1	209.5	14.9	486.0	1397.2	240.3	15.7	553.7	1504.7	258.8	18.0	588.4
	12	1109.3	190.8	12.6	432.9	1257.2	216.2	15.8	490.7	1442.1	248.0	16.7	559.0	1553.0	267.1	19.1	594.0
	13	1143.8	196.7	13.3	437.0	1296.3	223.0	16.7	495.3	1487.0	255.8	17.7	564.3	1601.4	275.4	20.2	599.7
	14	1178.4	202.7	14.0	441.2	1335.5	229.7	17.6	500.0	1531.9	263.5	18.6	569.7	1649.7	283.7	21.3	605.3
	15	1212.9	208.6	14.8	445.3	1374.6	236.4	18.6	504.7	1576.7	271.2	19.7	575.0	1698.0	292.1	22.5	611.0
46	5	826.7	142.2	7.4	425.0	936.9	161.2	9.3	481.7	1074.7	184.9	9.7	548.8	1157.4	199.1	11.2	583.2
	6	860.5	148.0	7.9	429.3	975.2	167.7	10.0	486.5	1118.6	192.4	10.5	554.3	1204.6	207.2	12.0	589.0
	7	894.2	153.8	8.5	433.5	1013.4	174.3	10.7	491.3	1162.4	199.9	11.2	559.8	1251.9	215.3	12.9	594.8
	8	927.9	159.6	9.1	437.8	1051.7	180.9	11.4	496.1	1206.3	207.5	12.0	565.2	1299.1	223.4	13.8	600.6
	9	961.7	165.4	9.7	442.0	1089.9	187.5	12.2	500.9	1250.2	215.0	12.8	570.7	1346.3	231.6	14.7	606.4
	10	995.4	171.2	10.3	446.2	1128.1	194.0	13.0	505.7	1294.0	222.6	13.7	576.2	1393.6	239.7	15.7	612.3
	11	1029.1	177.0	11.0	450.5	1166.4	200.6	13.8	510.5	1337.9	230.1	14.5	581.7	1440.8	247.8	16.7	618.1
	12	1062.9	182.8	11.6	454.7	1204.6	207.2	14.6	515.3	1381.7	237.7	15.4	587.1	1488.0	255.9	17.7	623.9
	13	1096.6	188.6	12.3	458.9	1242.8	213.8	15.5	520.1	1425.6	245.2	16.3	592.6	1535.3	264.1	18.7	629.7
	14	1130.3	194.4	13.0	463.2	1281.1	220.3	16.4	524.9	1469.4	252.7	17.3	598.1	1582.5	272.2	19.8	635.5
	15	1164.1	200.2	13.7	467.4	1319.3	226.9	17.3	529.7	1513.3	260.3	18.2	603.5	1629.7	280.3	20.9	641.3

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		7 x RHME-120AH2				7 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	2244.6	386.1	12.9	524.1	2543.8	437.5	16.1	593.9
	6	2321.6	399.3	13.7	530.9	2631.2	452.6	17.2	601.7
	7	2398.7	412.6	14.5	537.8	2718.5	467.6	18.2	609.5
	8	2475.8	425.8	15.4	544.7	2805.9	482.6	19.3	617.3
	9	2552.8	439.1	16.3	551.5	2893.2	497.6	20.4	625.1
	10	2629.9	452.3	17.2	558.4	2980.5	512.7	21.5	632.8
	11	2707.0	465.6	18.1	565.3	3067.9	527.7	22.7	640.6
	12	2784.0	478.9	19.0	572.1	3155.2	542.7	23.9	648.4
	13	2861.1	492.1	20.0	579.0	3242.6	557.7	25.1	656.2
	14	2938.2	505.4	21.0	585.9	3329.9	572.7	26.4	664.0
	15	3015.2	518.6	22.0	592.7	3417.3	587.8	27.6	671.8
25	5	2170.6	373.3	12.1	585.1	2460.1	423.1	15.2	663.1
	6	2247.2	386.5	12.9	592.2	2546.8	438.0	16.2	671.2
	7	2323.7	399.7	13.7	599.3	2633.5	453.0	17.2	679.3
	8	2400.2	412.8	14.5	606.5	2720.3	467.9	18.2	687.3
	9	2476.8	426.0	15.4	613.6	2807.0	482.8	19.3	695.4
	10	2553.3	439.2	16.3	620.7	2893.8	497.7	20.4	703.5
	11	2629.8	452.3	17.2	627.9	2980.5	512.6	21.5	711.6
	12	2706.4	465.5	18.1	635.0	3067.2	527.6	22.7	719.6
	13	2782.9	478.7	19.0	642.1	3154.0	542.5	23.9	727.7
	14	2859.5	491.8	20.0	649.2	3240.7	557.4	25.1	735.8
	15	2936.0	505.0	21.0	656.4	3327.5	572.3	26.3	743.9
30	5	2089.9	359.5	11.3	642.6	2368.6	407.4	14.2	728.3
	6	2165.8	372.5	12.0	650.0	2454.5	422.2	15.1	736.7
	7	2241.6	385.6	12.8	657.4	2540.5	437.0	16.1	745.0
	8	2317.5	398.6	13.6	664.7	2626.5	451.8	17.1	753.4
	9	2393.4	411.7	14.4	672.1	2712.5	466.6	18.1	761.7
	10	2469.3	424.7	15.3	679.5	2798.5	481.3	19.2	770.1
	11	2545.1	437.8	16.2	686.8	2884.5	496.1	20.3	778.4
	12	2621.0	450.8	17.0	694.2	2970.5	510.9	21.4	786.8
	13	2696.9	463.9	18.0	701.6	3056.5	525.7	22.6	795.1
	14	2772.8	476.9	18.9	708.9	3142.5	540.5	23.7	803.5
	15	2848.6	490.0	19.8	716.3	3228.4	555.3	24.9	811.8
35	5	1953.5	336.0	10.0	696.7	2214.0	380.8	12.5	789.6
	6	2026.8	348.6	10.7	704.3	2297.0	395.1	13.4	798.2
	7	**2100.0**	**361.2**	**11.4**	**711.9**	**2380.0**	**409.4**	**14.3**	**806.8**
	8	2173.2	373.8	12.1	719.5	2463.0	423.6	15.2	815.4
	9	2246.5	386.4	12.9	727.0	2546.0	437.9	16.2	824.0
	10	2319.7	399.0	13.6	734.6	2629.0	452.2	17.1	832.6
	11	2393.0	411.6	14.4	742.2	2712.1	466.5	18.1	841.2
	12	2466.2	424.2	15.3	749.8	2795.1	480.8	19.2	849.8
	13	2539.5	436.8	16.1	757.4	2878.1	495.0	20.2	858.4
	14	2612.7	449.4	17.0	765.0	2961.1	509.3	21.3	867.0
	15	2686.0	462.0	17.8	772.6	3044.1	523.6	22.4	875.6

		7 x RHME-120AH2				7 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1817.1	312.5	8.7	766.4	2059.4	354.2	11.0	868.6
	6	1887.7	324.7	9.4	774.4	2139.4	368.0	11.8	877.7
	7	1958.4	336.8	10.0	782.4	2219.5	381.7	12.6	886.7
	8	2029.0	349.0	10.7	790.4	2299.5	395.5	13.4	895.8
	9	2099.6	361.1	11.4	798.4	2379.5	409.3	14.3	904.8
	10	2170.2	373.3	12.1	806.4	2459.6	423.0	15.2	913.9
	11	2240.8	385.4	12.8	814.4	2539.6	436.8	16.1	922.9
	12	2311.5	397.6	13.6	822.3	2619.7	450.6	17.0	932.0
	13	2382.1	409.7	14.3	830.3	2699.7	464.3	18.0	941.0
	14	2452.7	421.9	15.1	838.3	2779.7	478.1	19.0	950.1
	15	2523.3	434.0	15.9	846.3	2859.8	491.9	20.0	959.2
43	5	1735.3	298.5	8.0	808.3	1966.6	338.3	10.1	916.0
	6	1804.3	310.3	8.6	816.5	2044.9	351.7	10.8	925.4
	7	1873.4	322.2	9.2	824.7	2123.2	365.2	11.6	934.7
	8	1942.4	334.1	9.9	832.9	2201.4	378.6	12.4	944.0
	9	2011.5	346.0	10.5	841.2	2279.7	392.1	13.2	953.3
	10	2080.5	357.8	11.2	849.4	2357.9	405.6	14.1	962.7
	11	2149.6	369.7	11.9	857.6	2436.2	419.0	14.9	972.0
	12	2218.6	381.6	12.6	865.9	2514.4	432.5	15.8	981.3
	13	2287.7	393.5	13.3	874.1	2592.7	445.9	16.7	990.6
	14	2356.7	405.4	14.0	882.3	2670.9	459.4	17.6	1000.0
	15	2425.8	417.2	14.8	890.6	2749.2	472.9	18.6	1009.3
46	5	1653.4	284.4	7.4	850.1	1873.9	322.3	9.3	963.4
	6	1720.9	296.0	7.9	858.6	1950.4	335.5	10.0	973.0
	7	1788.4	307.6	8.5	867.0	2026.8	348.6	10.7	982.6
	8	1855.9	319.2	9.1	875.5	2103.3	361.8	11.4	992.2
	9	1923.3	330.8	9.7	884.0	2179.8	374.9	12.2	1001.8
	10	1990.8	342.4	10.3	892.4	2256.2	388.1	13.0	1011.4
	11	2058.3	354.0	11.0	900.9	2332.7	401.2	13.8	1021.0
	12	2125.7	365.6	11.6	909.4	2409.2	414.4	14.6	1030.6
	13	2193.2	377.2	12.3	917.9	2485.6	427.5	15.5	1040.2
	14	2260.7	388.8	13.0	926.3	2562.1	440.7	16.4	1049.8
	15	2328.2	400.4	13.7	934.8	2638.6	453.8	17.3	1059.4

ABT: Condenser Air Inlet Temperature (ºC)
COT: Chilled Water outlet Temperature (ºC)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 8 Modules

(Pump not included)

		8 x RHME-60AH2				8 x RHME-70AH2				8 x RHME-80AH2				8 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	1282.6	220.6	12.9	299.5	1453.6	250.0	16.1	339.4	1667.4	286.8	17.0	386.7	1795.6	308.9	19.5	410.9
	6	1326.6	228.2	13.7	303.4	1503.5	258.6	17.2	343.8	1724.6	296.6	18.1	391.7	1857.3	319.5	20.8	416.3
	7	1370.7	235.8	14.5	307.3	1553.4	267.2	18.2	348.3	1781.9	306.5	19.3	396.8	1919.0	330.1	22.1	421.7
	8	1414.7	243.3	15.4	311.2	1603.3	275.8	19.3	352.7	1839.1	316.3	20.4	401.9	1980.6	340.7	23.4	427.0
	9	1458.8	250.9	16.3	315.2	1653.3	284.4	20.4	357.2	1896.4	326.2	21.6	406.9	2042.3	351.3	24.7	432.4
	10	1502.8	258.5	17.2	319.1	1703.2	292.9	21.5	361.6	1953.6	336.0	22.8	412.0	2103.9	361.9	26.1	437.8
	11	1546.8	266.1	18.1	323.0	1753.1	301.5	22.7	366.1	2010.9	345.9	24.0	417.1	2165.6	372.5	27.5	443.2
	12	1590.9	273.6	19.0	326.9	1803.0	310.1	23.9	370.5	2068.1	355.7	25.3	422.1	2227.2	383.1	29.0	448.6
	13	1634.9	281.2	20.0	330.9	1852.9	318.7	25.1	375.0	2125.4	365.6	26.6	427.2	2288.9	393.7	30.5	454.0
	14	1678.9	288.8	21.0	334.8	1902.8	327.3	26.4	379.4	2182.6	375.4	27.9	432.3	2350.5	404.3	32.0	459.3
	15	1723.0	296.4	22.0	338.7	1952.7	335.9	27.6	383.9	2239.9	385.3	29.3	437.3	2412.2	414.9	33.5	464.7
25	5	1240.4	213.3	12.1	334.3	1405.7	241.8	15.2	378.9	1612.5	277.3	16.0	431.7	1736.5	298.7	18.4	458.7
	6	1284.1	220.9	12.9	338.4	1455.3	250.3	16.2	383.5	1669.3	287.1	17.1	437.0	1797.7	309.2	19.6	464.3
	7	1327.8	228.4	13.7	342.5	1504.9	258.8	17.2	388.1	1726.2	296.9	18.2	442.2	1859.0	319.7	20.8	469.9
	8	1371.6	235.9	14.5	346.6	1554.4	267.4	18.2	392.8	1783.0	306.7	19.3	447.5	1920.2	330.3	22.1	475.5
	9	1415.3	243.4	15.4	350.6	1604.0	275.9	19.3	397.4	1839.9	316.5	20.4	452.7	1981.4	340.8	23.4	481.1
	10	1459.0	251.0	16.3	354.7	1653.6	284.4	20.4	402.0	1896.7	326.2	21.6	458.0	2042.7	351.3	24.7	486.7
	11	1502.8	258.5	17.2	358.8	1703.1	292.9	21.5	406.6	1953.6	336.0	22.8	463.3	2103.9	361.9	26.1	492.3
	12	1546.5	266.0	18.1	362.8	1752.7	301.5	22.7	411.2	2010.5	345.8	24.0	468.5	2165.1	372.4	27.5	497.9
	13	1590.2	273.5	19.0	366.9	1802.3	310.0	23.9	415.8	2067.3	355.6	25.3	473.8	2226.3	382.9	28.9	503.4
	14	1634.0	281.0	20.0	371.0	1851.8	318.5	25.1	420.5	2124.2	365.4	26.6	479.0	2287.6	393.5	30.4	509.0
	15	1677.7	288.6	21.0	375.1	1901.4	327.0	26.3	425.1	2181.0	375.1	27.9	484.3	2348.8	404.0	31.9	514.6
30	5	1194.2	205.4	11.3	367.2	1353.5	232.8	14.2	416.2	1552.5	267.0	15.0	474.2	1671.9	287.6	17.1	503.9
	6	1237.6	212.9	12.0	371.4	1402.6	241.2	15.1	421.0	1608.9	276.7	16.0	479.6	1732.6	298.0	18.3	509.6
	7	1280.9	220.3	12.8	375.6	1451.7	249.7	16.1	425.7	1665.2	286.4	17.0	485.0	1793.3	308.5	19.5	515.4
	8	1324.3	227.8	13.6	379.8	1500.9	258.1	17.1	430.5	1721.6	296.1	18.1	490.5	1854.0	318.9	20.7	521.2
	9	1367.7	235.2	14.4	384.1	1550.0	266.6	18.1	435.3	1777.9	305.8	19.2	495.9	1914.7	329.3	22.0	527.0
	10	1411.0	242.7	15.3	388.3	1599.1	275.1	19.2	440.0	1834.3	315.5	20.3	501.4	1975.4	339.8	23.3	532.7
	11	1454.4	250.2	16.2	392.5	1648.3	283.5	20.3	444.8	1890.7	325.2	21.5	506.8	2036.1	350.2	24.6	538.5
	12	1497.7	257.6	17.0	396.7	1697.4	292.0	21.4	449.6	1947.0	334.9	22.6	512.2	2096.8	360.7	25.9	544.3
	13	1541.1	265.1	18.0	400.9	1746.6	300.4	22.6	454.4	2003.4	344.6	23.9	517.7	2157.5	371.1	27.3	550.1
	14	1584.4	272.5	18.9	405.1	1795.7	308.9	23.7	459.1	2059.8	354.3	25.1	523.1	2218.2	381.5	28.8	555.9
	15	1627.8	280.0	19.8	409.3	1844.8	317.3	24.9	463.9	2116.1	364.0	26.4	528.5	2278.9	392.0	30.2	561.6
35	5	1116.3	192.0	10.0	398.1	1265.1	217.6	12.5	451.2	1451.2	249.6	13.2	514.1	1562.8	268.8	15.1	546.2
	6	1158.1	199.2	10.7	402.4	1312.6	225.8	13.4	456.1	1505.6	259.0	14.1	519.7	1621.4	278.9	16.2	552.2
	7	**1200.0**	**206.4**	**11.4**	**406.8**	**1360.0**	**233.9**	**14.3**	**461.0**	**1560.0**	**268.3**	**15.1**	**525.3**	**1680.0**	**289.0**	**17.3**	**558.1**
	8	1241.9	213.6	12.1	411.1	1407.4	242.1	15.2	465.9	1614.4	277.7	16.1	530.9	1738.6	299.0	18.4	564.1
	9	1283.7	220.8	12.9	415.5	1454.9	250.2	16.2	470.8	1668.8	287.0	17.1	536.5	1797.2	309.1	19.6	570.0
	10	1325.6	228.0	13.6	419.8	1502.3	258.4	17.1	475.8	1723.2	296.4	18.1	542.1	1855.8	319.2	20.7	576.0
	11	1367.4	235.2	14.4	424.1	1549.7	266.6	18.1	480.7	1777.7	305.8	19.2	547.7	1914.4	329.3	22.0	581.9
	12	1409.3	242.4	15.3	428.5	1597.2	274.7	19.2	485.6	1832.1	315.1	20.3	553.3	1973.0	339.4	23.2	587.9
	13	1451.1	249.6	16.1	432.8	1644.6	282.9	20.2	490.5	1886.5	324.5	21.4	558.9	2031.6	349.4	24.5	593.8
	14	1493.0	256.8	17.0	437.1	1692.1	291.0	21.3	495.4	1940.9	333.8	22.5	564.5	2090.2	359.5	25.8	599.8
	15	1534.8	264.0	17.8	441.5	1739.5	299.2	22.4	500.3	1995.3	343.2	23.7	570.1	2148.8	369.6	27.1	605.7

		8 x RHME-60AH2				8 x RHME-70AH2				8 x RHME-80AH2				8 x RHME-90AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	1038.3	178.6	8.7	438.0	1176.8	202.4	11.0	496.3	1349.9	232.2	11.6	565.5	1453.7	250.0	13.3	600.9
	6	1078.7	185.5	9.4	442.5	1222.5	210.3	11.8	501.5	1402.3	241.2	12.4	571.4	1510.2	259.8	14.2	607.2
	7	1119.1	192.5	10.0	447.1	1268.3	218.1	12.6	506.7	1454.8	250.2	13.3	577.3	1566.7	269.5	15.2	613.4
	8	1159.4	199.4	10.7	451.6	1314.0	226.0	13.4	511.9	1507.2	259.2	14.2	583.2	1623.2	279.2	16.2	619.7
	9	1199.8	206.4	11.4	456.2	1359.7	233.9	14.3	517.0	1559.7	268.3	15.1	589.1	1679.7	288.9	17.3	626.0
	10	1240.1	213.3	12.1	460.8	1405.5	241.7	15.2	522.2	1612.2	277.3	16.0	595.0	1736.2	298.6	18.4	632.2
	11	1280.5	220.2	12.8	465.3	1451.2	249.6	16.1	527.4	1664.6	286.3	17.0	600.9	1792.7	308.3	19.5	638.5
	12	1320.8	227.2	13.6	469.9	1497.0	257.5	17.0	532.6	1717.1	295.3	18.0	606.8	1849.2	318.1	20.6	644.8
	13	1361.2	234.1	14.3	474.5	1542.7	265.3	18.0	537.7	1769.6	304.4	19.0	612.7	1905.7	327.8	21.8	651.0
	14	1401.6	241.1	15.1	479.0	1588.4	273.2	19.0	542.9	1822.0	313.4	20.1	618.6	1962.2	337.5	23.0	657.3
	15	1441.9	248.0	15.9	483.6	1634.2	281.1	20.0	548.1	1874.5	322.4	21.1	624.5	2018.7	347.2	24.2	663.6
43	5	991.6	170.6	8.0	461.9	1123.8	193.3	10.1	523.4	1289.1	221.7	10.6	596.4	1388.2	238.8	12.2	633.7
	6	1031.0	177.3	8.6	466.6	1168.5	201.0	10.8	528.8	1340.4	230.5	11.4	602.4	1443.5	248.3	13.1	640.2
	7	1070.5	184.1	9.2	471.3	1213.2	208.7	11.6	534.1	1391.6	239.4	12.2	608.5	1498.7	257.8	14.0	646.6
	8	1110.0	190.9	9.9	476.0	1257.9	216.4	12.4	539.4	1442.9	248.2	13.1	614.6	1553.9	267.3	15.0	653.1
	9	1149.4	197.7	10.5	480.7	1302.7	224.1	13.2	544.8	1494.2	257.0	13.9	620.7	1609.2	276.8	16.0	659.5
	10	1188.9	204.5	11.2	485.4	1347.4	231.7	14.1	550.1	1545.5	265.8	14.8	626.7	1664.4	286.3	17.0	666.0
	11	1228.3	211.3	11.9	490.1	1392.1	239.4	14.9	555.4	1596.8	274.7	15.7	632.8	1719.6	295.8	18.0	672.4
	12	1267.8	218.1	12.6	494.8	1436.8	247.1	15.8	560.8	1648.1	283.5	16.7	638.9	1774.9	305.3	19.1	678.9
	13	1307.2	224.8	13.3	499.5	1481.5	254.8	16.7	566.1	1699.4	292.3	17.7	645.0	1830.1	314.8	20.2	685.3
	14	1346.7	231.6	14.0	504.2	1526.2	262.5	17.6	571.4	1750.7	301.1	18.6	651.0	1885.4	324.3	21.3	691.8
	15	1386.1	238.4	14.8	508.9	1571.0	270.2	18.6	576.7	1802.0	309.9	19.7	657.1	1940.6	333.8	22.5	698.2
46	5	944.8	162.5	7.4	485.8	1070.8	184.2	9.3	550.5	1228.3	211.3	9.7	627.2	1322.7	227.5	11.2	666.5
	6	983.4	169.1	7.9	490.6	1114.5	191.7	10.0	556.0	1278.4	219.9	10.5	633.5	1376.7	236.8	12.0	673.2
	7	1021.9	175.8	8.5	495.4	1158.2	199.2	10.7	561.5	1328.5	228.5	11.2	639.7	1430.7	246.1	12.9	679.8
	8	1060.5	182.4	9.1	500.3	1201.9	206.7	11.4	567.0	1378.6	237.1	12.0	646.0	1484.7	255.4	13.8	686.4
	9	1099.0	189.0	9.7	505.1	1245.6	214.2	12.2	572.5	1428.8	245.7	12.8	652.2	1538.7	264.6	14.7	693.1
	10	1137.6	195.7	10.3	510.0	1289.3	221.8	13.0	578.0	1478.9	254.4	13.7	658.5	1592.6	273.9	15.7	699.7
	11	1176.2	202.3	11.0	514.8	1333.0	229.3	13.8	583.5	1529.0	263.0	14.5	664.7	1646.6	283.2	16.7	706.4
	12	1214.7	208.9	11.6	519.7	1376.7	236.8	14.6	588.9	1579.1	271.6	15.4	671.0	1700.6	292.5	17.7	713.0
	13	1253.3	215.6	12.3	524.5	1420.4	244.3	15.5	594.4	1629.2	280.2	16.3	677.2	1754.6	301.8	18.7	719.7
	14	1291.8	222.2	13.0	529.3	1464.1	251.8	16.4	599.9	1679.4	288.9	17.3	683.5	1808.6	311.1	19.8	726.3
	15	1330.4	228.8	13.7	534.2	1507.8	259.3	17.3	605.4	1729.5	297.5	18.2	689.7	1862.5	320.4	20.9	732.9

ABT: Condenser Air Inlet Temperature (°C)
COT: Chilled Water outlet Temperature (°C)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5°C (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

		8 x RHME-120AH2				8 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
20	5	2565.2	441.2	12.9	598.9	2907.2	500.0	16.1	678.8
	6	2653.3	456.4	13.7	606.8	3007.1	517.2	17.2	687.7
	7	2741.4	471.5	14.5	614.6	3106.9	534.4	18.2	696.6
	8	2829.4	486.7	15.4	622.5	3206.7	551.6	19.3	705.5
	9	2917.5	501.8	16.3	630.3	3306.5	568.7	20.4	714.4
	10	3005.6	517.0	17.2	638.2	3406.3	585.9	21.5	723.2
	11	3093.7	532.1	18.1	646.0	3506.2	603.1	22.7	732.1
	12	3181.7	547.3	19.0	653.9	3606.0	620.2	23.9	741.0
	13	3269.8	562.4	20.0	661.7	3705.8	637.4	25.1	749.9
	14	3357.9	577.6	21.0	669.6	3805.6	654.6	26.4	758.8
	15	3446.0	592.7	22.0	677.4	3905.4	671.7	27.6	767.7
25	5	2480.7	426.7	12.1	668.7	2811.5	483.6	15.2	757.8
	6	2568.2	441.7	12.9	676.8	2910.6	500.6	16.2	767.1
	7	2655.7	456.8	13.7	685.0	3009.8	517.7	17.2	776.3
	8	2743.1	471.8	14.5	693.1	3108.9	534.7	18.2	785.5
	9	2830.6	486.9	15.4	701.3	3208.0	551.8	19.3	794.8
	10	2918.1	501.9	16.3	709.4	3307.2	568.8	20.4	804.0
	11	3005.5	517.0	17.2	717.5	3406.3	585.9	21.5	813.2
	12	3093.0	532.0	18.1	725.7	3505.4	602.9	22.7	822.5
	13	3180.5	547.0	19.0	733.8	3604.5	620.0	23.9	831.7
	14	3268.0	562.1	20.0	742.0	3703.7	637.0	25.1	840.9
	15	3355.4	577.1	21.0	750.1	3802.8	654.1	26.3	850.2
30	5	2388.5	410.8	11.3	734.4	2706.9	465.6	14.2	832.4
	6	2475.2	425.7	12.0	742.9	2805.2	482.5	15.1	841.9
	7	2561.9	440.6	12.8	751.3	2903.5	499.4	16.1	851.4
	8	2648.6	455.6	13.6	759.7	3001.7	516.3	17.1	861.0
	9	2735.3	470.5	14.4	768.1	3100.0	533.2	18.1	870.5
	10	2822.0	485.4	15.3	776.5	3198.3	550.1	19.2	880.1
	11	2908.7	500.3	16.2	785.0	3296.6	567.0	20.3	889.6
	12	2995.4	515.2	17.0	793.4	3394.8	583.9	21.4	899.2
	13	3082.2	530.1	18.0	801.8	3493.1	600.8	22.6	908.7
	14	3168.9	545.0	18.9	810.2	3591.4	617.7	23.7	918.3
	15	3255.6	560.0	19.8	818.6	3689.7	634.6	24.9	927.8
35	5	2232.6	384.0	10.0	796.2	2530.3	435.2	12.5	902.4
	6	2316.3	398.4	10.7	804.9	2625.1	451.5	13.4	912.2
	7	**2400.0**	**412.8**	**11.4**	**813.6**	**2720.0**	**467.8**	**14.3**	**922.0**
	8	2483.7	427.2	12.1	822.2	2814.9	484.2	15.2	931.9
	9	2567.4	441.6	12.9	830.9	2909.7	500.5	16.2	941.7
	10	2651.1	456.0	13.6	839.6	3004.6	516.8	17.1	951.5
	11	2734.8	470.4	14.4	848.3	3099.5	533.1	18.1	961.4
	12	2818.6	484.8	15.3	856.9	3194.4	549.4	19.2	971.2
	13	2902.3	499.2	16.1	865.6	3289.2	565.7	20.2	981.0
	14	2986.0	513.6	17.0	874.3	3384.1	582.1	21.3	990.8
	15	3069.7	528.0	17.8	883.0	3479.0	598.4	22.4	1000.7

		8 x RHME-120AH2				8 x RHME-140AH2			
ABT	COT	CCAP	CFR	CPD	IPT	CCAP	CFR	CPD	IPT
40	5	2076.7	357.2	8.7	875.9	2353.6	404.8	11.0	992.7
	6	2157.4	371.1	9.4	885.0	2445.1	420.6	11.8	1003.0
	7	2238.1	385.0	10.0	894.2	2536.5	436.3	12.6	1013.4
	8	2318.8	398.8	10.7	903.3	2628.0	452.0	13.4	1023.7
	9	2399.5	412.7	11.4	912.4	2719.5	467.8	14.3	1034.1
	10	2480.3	426.6	12.1	921.6	2811.0	483.5	15.2	1044.4
	11	2561.0	440.5	12.8	930.7	2902.4	499.2	16.1	1054.8
	12	2641.7	454.4	13.6	939.8	2993.9	515.0	17.0	1065.1
	13	2722.4	468.3	14.3	949.0	3085.4	530.7	18.0	1075.5
	14	2803.1	482.1	15.1	958.1	3176.9	546.4	19.0	1085.8
	15	2883.8	496.0	15.9	967.2	3268.3	562.2	20.0	1096.2
43	5	1983.2	341.1	8.0	923.7	2247.6	386.6	10.1	1046.9
	6	2062.1	354.7	8.6	933.1	2337.0	402.0	10.8	1057.5
	7	2141.0	368.3	9.2	942.5	2426.5	417.4	11.6	1068.2
	8	2219.9	381.8	9.9	951.9	2515.9	432.7	12.4	1078.9
	9	2298.8	395.4	10.5	961.3	2605.3	448.1	13.2	1089.5
	10	2377.7	409.0	11.2	970.8	2694.8	463.5	14.1	1100.2
	11	2456.6	422.5	11.9	980.2	2784.2	478.9	14.9	1110.8
	12	2535.6	436.1	12.6	989.6	2873.6	494.3	15.8	1121.5
	13	2614.5	449.7	13.3	999.0	2963.1	509.6	16.7	1132.2
	14	2693.4	463.3	14.0	1008.4	3052.5	525.0	17.6	1142.8
	15	2772.3	476.8	14.8	1017.8	3141.9	540.4	18.6	1153.5
46	5	1889.6	325.0	7.4	971.5	2141.6	368.4	9.3	1101.1
	6	1966.8	338.3	7.9	981.2	2229.0	383.4	10.0	1112.0
	7	2043.9	351.5	8.5	990.9	2316.4	398.4	10.7	1123.0
	8	2121.0	364.8	9.1	1000.6	2403.8	413.4	11.4	1134.0
	9	2198.1	378.1	9.7	1010.3	2491.2	428.5	12.2	1145.0
	10	2275.2	391.3	10.3	1019.9	2578.6	443.5	13.0	1155.9
	11	2352.3	404.6	11.0	1029.6	2666.0	458.5	13.8	1166.9
	12	2429.4	417.9	11.6	1039.3	2753.3	473.6	14.6	1177.9
	13	2506.5	431.1	12.3	1049.0	2840.7	488.6	15.5	1188.8
	14	2583.6	444.4	13.0	1058.7	2928.1	503.6	16.4	1199.8
	15	2660.8	457.7	13.7	1068.3	3015.5	518.7	17.3	1210.8

ABT: Condenser Air Inlet Temperature (ºC)
COT: Chilled Water outlet Temperature (ºC)
CCAP: Cooling Capacity (kW)
CFR: Chilled Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

4.2.1.3 Capacity tables at partial load - R(C/H)ME-AH2

Full load

Ambient Temperature (°C)	Performance	30	35	40	50	60	70	75	80	90	100	
46	Capacity	30	35	40	50	60	70	75	80	85	-	
	Input	64	61	62	67	74	84	90	100	121	-	
	EER	47	57	65	75	81	83	83	80	70	-	
43	Capacity	30	35	40	50	60	70	75	80	89	-	
	Input	58	56	57	61	68	77	83	91	116	-	
	EER	52	62	70	82	88	91	90	88	77	-	
40	Capacity	30	35	40	50	60	70	75	80	90	93	
	Input	53	52	53	57	64	72	77	83	101	109	
	EER	57	67	76	88	94	97	97	96	89	85	
35	Capacity	30	35	40	50	60	70	75	80	90	100	
	Input	45	45	46	50	56	64	69	74	87	100	
	EER	67	78	87	100	107	109	109	108	104	100	
30	Capacity	30	35	40	50	60	70	75	80	90	100	107
	Input	34	36	38	42	47	53	56	61	73	85	92
	EER	88	98	106	120	128	132	133	131	123	117	116
25	Capacity	30	35	40	50	60	70	75	80	90	100	111
	Input	26	28	30	34	39	45	49	54	63	75	85
	EER	117	126	134	147	154	154	152	149	142	134	131
20	Capacity	30	35	40	50	60	70	75	80	90	100	111
	Input	20	22	24	29	34	39	42	46	55	66	76
	EER	151	158	164	173	179	179	177	174	165	152	146

35%: Minimum load for 60HP,80HP,120HP

30%: Minimum load for 70HP,90HP,140HP

NOTE

1 The previous table shows the amount of reduction or increase in capacity, input and EER from a reference 100% value.

Capacity (%)	100
Input (%)	100
EER (%)	100

2 The values for a 100% rate in capacity, input and EER correspond to the values in the Performance Table (cooling operation at full load), and for the following conditions:

- *Ambient temperature (ABT): 35ºC*
- *Chilled Water outlet Temperature target (COT) (ºC) (from 5 to 15ºC)*
- *Water flow rate constant*
- *Capacity: cooling capacity (kW)*
- *Input (IPT): total input power (compressors + fans) (kW)*
- *EER: Capacity / Input (kW/kW)*
- *All condenser fans running*

3 Calculation example:

Model 5 x RCME-60AH2

Working conditions:

- *Condenser Air Inlet Temperature 30 (ºC)*
- *Chilled Water outlet Temperature 10 (ºC)*
- *Partial Load 70 %*

100 % rate calculation:

According to Performance Table (cooling operation at full load) and the following conditions:

- *Condenser Air Inlet Temperature 35 (ºC)*
- *Chilled Water outlet Temperature 10 (ºC)*

Capacity (CCAP) (kW) (*)	5 x 165.7 = 828.5
Input (IPT) (kW) (*)	5 x 48.5 = 242.5
EER (CCAP / IPT)	828.5 / 242.5 = 3.42

(*) Total Capacity and IPT is the addition of the all individual modules (in the example, module RCME-60AH2 x 5 modules)

Performance at partial load calculation:

According to Cooling capacity tables at partial load:

- *Condenser Air Inlet Temperature 30 (ºC)*
- *Partial Load 70 %*

Capacity (%)	75%	828.5 x 75% = 621.4
Input (%)	56%	242.5 x 56% = 135.8
EER (%)	133%	3.42 x 133% = 4.55

4.2.2 Heating Operation

4.2.2.1 Performance Table at full load - RHME-AH2

◆ 2 Modules

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	324.2	55.8	13.1	87.4	324.2	55.8	13.1	87.4	413.7	71.1	16.8	111.0	413.7	71.1	16.8	111.0
	40	322.9	55.5	13.0	94.4	322.9	55.5	13.0	94.4	411.9	70.9	16.7	119.6	411.9	70.9	16.7	119.6
	45	321.5	55.3	12.9	105.4	321.5	55.3	12.9	105.4	410.2	70.6	16.6	133.6	410.2	70.6	16.6	133.6
	50	320.2	55.1	12.8	120.5	320.2	55.1	12.8	120.5	408.5	70.3	16.4	152.4	408.5	70.3	16.4	152.4
	55	305.7	52.6	11.8	139.2	305.7	52.6	11.8	139.2	390.0	67.1	15.1	176.4	390.0	67.1	15.1	176.4
10	35	319.0	54.9	12.7	85.9	319.0	54.9	12.7	85.9	407.0	70.0	16.3	109.1	407.0	70.0	16.3	109.1
	40	316.1	54.4	12.5	93.3	316.1	54.4	12.5	93.3	403.3	69.4	16.0	118.0	403.3	69.4	16.0	118.0
	45	313.0	53.8	12.3	103.9	313.0	53.8	12.3	103.9	399.4	68.7	15.8	131.4	399.4	68.7	15.8	131.4
	50	310.1	53.3	12.1	117.9	310.1	53.3	12.1	117.9	395.7	68.1	15.5	149.5	395.7	68.1	15.5	149.5
	55	294.4	50.6	11.0	135.9	294.4	50.6	11.0	135.9	375.7	64.6	14.1	172.1	375.7	64.6	14.1	172.1
6	35	298.5	51.3	11.3	84.8	298.5	51.3	11.3	84.8	380.9	65.5	14.4	107.7	380.9	65.5	14.4	107.7
	40	294.3	50.6	11.0	92.2	294.3	50.6	11.0	92.2	375.4	64.6	14.1	116.6	375.4	64.6	14.1	116.6
	45	**290.0**	**49.9**	**10.7**	**102.5**	**290.0**	**49.9**	**10.7**	**102.5**	**370.0**	**63.6**	**13.7**	**129.8**	**370.0**	**63.6**	**13.7**	**129.8**
	50	285.7	49.1	10.4	116.1	285.7	49.1	10.4	116.1	364.6	62.7	13.3	147.1	364.6	62.7	13.3	147.1
	55	269.7	46.4	9.4	133.0	269.7	46.4	9.4	133.0	344.1	59.2	12.0	168.6	344.1	59.2	12.0	168.6
5	35	291.7	50.2	10.8	84.8	291.7	50.2	10.8	84.8	372.2	64.0	13.9	107.5	372.2	64.0	13.9	107.5
	40	287.3	49.4	10.5	91.8	287.3	49.4	10.5	91.8	366.5	63.0	13.5	116.4	366.5	63.0	13.5	116.4
	45	282.7	48.6	10.2	102.1	282.7	48.6	10.2	102.1	360.6	62.0	13.1	129.3	360.6	62.0	13.1	129.3
	50	278.2	47.9	9.9	115.7	278.2	47.9	9.9	115.7	355.0	61.1	12.7	146.5	355.0	61.1	12.7	146.5
	55	262.2	45.1	8.9	132.2	262.2	45.1	8.9	132.2	334.5	57.5	11.4	167.5	334.5	57.5	11.4	167.5
0	35	258.5	44.5	8.7	83.4	258.5	44.5	8.7	83.4	329.8	56.7	11.1	105.6	329.8	56.7	11.1	105.6
	40	252.5	43.4	8.3	90.7	252.5	43.4	8.3	90.7	322.1	55.4	10.6	114.7	322.1	55.4	10.6	114.7
	45	246.3	42.4	8.0	100.6	246.3	42.4	8.0	100.6	314.3	54.1	10.2	127.4	314.3	54.1	10.2	127.4
	50	240.3	41.3	7.6	113.1	240.3	41.3	7.6	113.1	306.6	52.7	9.7	143.6	306.6	52.7	9.7	143.6
	55	224.5	38.6	6.7	128.9	224.5	38.6	6.7	128.9	286.4	49.3	8.6	163.2	286.4	49.3	8.6	163.2
-5	35	202.8	34.9	5.6	73.8	202.8	34.9	5.6	73.8	258.8	44.5	7.1	93.5	258.8	44.5	7.1	93.5
	40	195.8	33.7	5.2	80.4	195.8	33.7	5.2	80.4	249.9	43.0	6.7	101.8	249.9	43.0	6.7	101.8
	45	189.1	32.5	4.9	88.9	189.1	32.5	4.9	88.9	241.2	41.5	6.3	112.9	241.2	41.5	6.3	112.9
	50	182.1	31.3	4.6	99.9	182.1	31.3	4.6	99.9	232.4	40.0	5.8	126.6	232.4	40.0	5.8	126.6
	55	168.0	28.9	4.0	112.8	168.0	28.9	4.0	112.8	214.4	36.9	5.0	143.0	214.4	36.9	5.0	143.0
-10	35	172.8	29.7	4.2	72.4	172.8	29.7	4.2	72.4	220.5	37.9	5.3	91.8	220.5	37.9	5.3	91.8
	40	164.5	28.3	3.8	79.3	164.5	28.3	3.8	79.3	209.9	36.1	4.9	100.2	209.9	36.1	4.9	100.2
	45	156.4	26.9	3.5	87.4	156.4	26.9	3.5	87.4	199.6	34.3	4.4	111.0	199.6	34.3	4.4	111.0
	50	148.1	25.5	3.1	97.7	148.1	25.5	3.1	97.7	188.9	32.5	4.0	123.9	188.9	32.5	4.0	123.9

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

(Pump not included)

		RHME-120AH2				RHME-140AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	648.4	111.5	46.3	159.4	648.4	111.5	46.3	159.4
	40	645.7	111.1	46.0	182.2	645.7	111.1	46.0	182.2
	45	643.0	110.6	45.6	204.9	643.0	110.6	45.6	204.9
	50	640.3	110.1	45.3	227.7	640.3	110.1	45.3	227.7
	55	611.3	105.1	41.6	250.5	611.3	105.1	41.6	250.5
10	35	638.0	109.7	45.0	159.4	638.0	109.7	45.0	159.4
	40	632.2	108.7	44.3	182.2	632.2	108.7	44.3	182.2
	45	626.0	107.7	43.5	204.9	626.0	107.7	43.5	204.9
	50	620.2	106.7	42.7	227.7	620.2	106.7	42.7	227.7
	55	588.9	101.3	38.9	250.5	588.9	101.3	38.9	250.5
6	35	597.0	102.7	39.9	159.4	597.0	102.7	39.9	159.4
	40	588.5	101.2	38.8	182.2	588.5	101.2	38.8	182.2
	45	**580.0**	**99.8**	**37.8**	**204.9**	**580.0**	**99.8**	**37.8**	**204.9**
	50	571.5	98.3	36.8	227.7	571.5	98.3	36.8	227.7
	55	539.4	92.8	33.1	250.5	539.4	92.8	33.1	250.5
5	35	583.5	100.4	38.2	159.4	583.5	100.4	38.2	159.4
	40	574.6	98.8	37.2	182.2	574.6	98.8	37.2	182.2
	45	565.3	97.2	36.1	204.9	565.3	97.2	36.1	204.9
	50	556.4	95.7	35.1	227.7	556.4	95.7	35.1	227.7
	55	524.3	90.2	31.5	250.5	524.3	90.2	31.5	250.5
0	35	517.0	88.9	30.7	159.4	517.0	88.9	30.7	159.4
	40	505.0	86.9	29.4	182.2	505.0	86.9	29.4	182.2
	45	492.6	84.7	28.1	204.9	492.6	84.7	28.1	204.9
	50	480.6	82.7	26.9	227.7	480.6	82.7	26.9	227.7
	55	448.9	77.2	23.7	250.5	448.9	77.2	23.7	250.5
-5	35	405.6	69.8	19.7	159.4	405.6	69.8	19.7	159.4
	40	391.7	67.4	18.5	182.2	391.7	67.4	18.5	182.2
	45	378.2	65.0	17.4	204.9	378.2	65.0	17.4	204.9
	50	364.2	62.6	16.2	227.7	364.2	62.6	16.2	227.7
	55	336.0	57.8	14.0	250.5	336.0	57.8	14.0	250.5
-10	35	345.7	59.5	14.7	159.4	345.7	59.5	14.7	159.4
	40	329.1	56.6	13.5	182.2	329.1	56.6	13.5	182.2
	45	312.8	53.8	12.3	204.9	312.8	53.8	12.3	204.9
	50	296.2	50.9	11.1	227.7	296.2	50.9	11.1	227.7

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 3 Modules

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	486.3	83.6	13.1	131.1	486.3	83.6	13.1	131.1	620.5	106.7	16.8	166.5	827.3	106.7	16.8	166.5
	40	484.3	83.3	13.0	141.6	484.3	83.3	13.0	141.6	617.9	106.3	16.7	179.4	823.9	106.3	16.7	179.4
	45	482.3	83.0	12.9	158.1	482.3	83.0	12.9	158.1	615.3	105.8	16.6	200.4	820.4	105.8	16.6	200.4
	50	480.2	82.6	12.8	180.7	480.2	82.6	12.8	180.7	612.7	105.4	16.4	228.7	817.0	105.4	16.4	228.7
	55	458.5	78.9	11.8	208.8	458.5	78.9	11.8	208.8	585.0	100.6	15.1	264.6	780.0	100.6	15.1	264.6
10	35	478.5	82.3	12.7	128.9	478.5	82.3	12.7	128.9	610.5	105.0	16.3	163.6	814.0	105.0	16.3	163.6
	40	474.2	81.6	12.5	139.9	474.2	81.6	12.5	139.9	605.0	104.1	16.0	177.0	806.6	104.1	16.0	177.0
	45	469.5	80.8	12.3	155.9	469.5	80.8	12.3	155.9	599.0	103.0	15.8	197.2	798.7	103.0	15.8	197.2
	50	465.2	80.0	12.1	176.8	465.2	80.0	12.1	176.8	593.5	102.1	15.5	224.2	791.3	102.1	15.5	224.2
	55	441.7	76.0	11.0	203.8	441.7	76.0	11.0	203.8	563.5	96.9	14.1	258.2	751.3	96.9	14.1	258.2
6	35	447.8	77.0	11.3	127.3	447.8	77.0	11.3	127.3	571.3	98.3	14.4	161.6	761.7	98.3	14.4	161.6
	40	441.4	75.9	11.0	138.3	441.4	75.9	11.0	138.3	563.1	96.9	14.1	174.9	750.9	96.9	14.1	174.9
	45	**435.0**	**74.8**	**10.7**	**153.7**	**435.0**	**74.8**	**10.7**	**153.7**	**555.0**	**95.5**	**13.7**	**194.7**	**740.0**	**95.5**	**13.7**	**194.7**
	50	428.6	73.7	10.4	174.1	428.6	73.7	10.4	174.1	546.9	94.1	13.3	220.6	729.1	94.1	13.3	220.6
	55	404.6	69.6	9.4	199.4	404.6	69.6	9.4	199.4	516.2	88.8	12.0	252.9	688.2	88.8	12.0	252.9
5	35	437.6	75.3	10.8	127.3	437.6	75.3	10.8	127.3	558.3	96.0	13.9	161.2	744.4	96.0	13.9	161.2
	40	430.9	74.1	10.5	137.7	430.9	74.1	10.5	137.7	549.8	94.6	13.5	174.5	733.1	94.6	13.5	174.5
	45	424.0	72.9	10.2	153.2	424.0	72.9	10.2	153.2	540.9	93.0	13.1	193.9	721.3	93.0	13.1	193.9
	50	417.3	71.8	9.9	173.5	417.3	71.8	9.9	173.5	532.4	91.6	12.7	219.8	709.9	91.6	12.7	219.8
	55	393.2	67.6	8.9	198.3	393.2	67.6	8.9	198.3	501.7	86.3	11.4	251.3	669.0	86.3	11.4	251.3
0	35	387.7	66.7	8.7	125.1	387.7	66.7	8.7	125.1	494.7	85.1	11.1	158.4	659.6	85.1	11.1	158.4
	40	378.7	65.1	8.3	136.1	378.7	65.1	8.3	136.1	483.2	83.1	10.6	172.1	644.3	83.1	10.6	172.1
	45	369.5	63.5	8.0	151.0	369.5	63.5	8.0	151.0	471.4	81.1	10.2	191.1	628.5	81.1	10.2	191.1
	50	360.5	62.0	7.6	169.7	360.5	62.0	7.6	169.7	459.9	79.1	9.7	215.3	613.2	79.1	9.7	215.3
	55	336.7	57.9	6.7	193.4	336.7	57.9	6.7	193.4	429.6	73.9	8.6	244.8	572.8	73.9	8.6	244.8
-5	35	304.2	52.3	5.6	110.7	304.2	52.3	5.6	110.7	388.1	66.8	7.1	140.2	517.5	66.8	7.1	140.2
	40	293.8	50.5	5.2	120.7	293.8	50.5	5.2	120.7	374.8	64.5	6.7	152.7	499.7	64.5	6.7	152.7
	45	283.6	48.8	4.9	133.3	283.6	48.8	4.9	133.3	361.9	62.2	6.3	169.3	482.5	62.2	6.3	169.3
	50	273.2	47.0	4.6	149.9	273.2	47.0	4.6	149.9	348.5	59.9	5.8	189.9	464.7	59.9	5.8	189.9
	55	252.0	43.3	4.0	169.1	252.0	43.3	4.0	169.1	321.5	55.3	5.0	214.5	428.7	55.3	5.0	214.5
-10	35	259.3	44.6	4.2	108.5	259.3	44.6	4.2	108.5	330.8	56.9	5.3	137.8	441.0	56.9	5.3	137.8
	40	246.8	42.4	3.8	119.0	246.8	42.4	3.8	119.0	314.9	54.2	4.9	150.3	419.8	54.2	4.9	150.3
	45	234.6	40.4	3.5	131.1	234.6	40.4	3.5	131.1	299.3	51.5	4.4	166.5	399.1	51.5	4.4	166.5
	50	222.1	38.2	3.1	146.5	222.1	38.2	3.1	146.5	283.4	48.7	4.0	185.8	377.9	48.7	4.0	185.8

ABTW: Evaporator Air Inlet Temperature (ºC)
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HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

(Pump not included)

		RHME-120AH2				RHME-140AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	1296.9	167.3	46.3	239.1	1296.9	167.3	46.3	239.1
	40	1291.5	166.6	46.0	273.3	1291.5	166.6	46.0	273.3
	45	1286.1	165.9	45.6	307.4	1286.1	165.9	45.6	307.4
	50	1280.6	165.2	45.3	341.6	1280.6	165.2	45.3	341.6
	55	1222.6	157.7	41.6	375.7	1222.6	157.7	41.6	375.7
10	35	1276.0	164.6	45.0	239.1	1276.0	164.6	45.0	239.1
	40	1264.4	163.1	44.3	273.3	1264.4	163.1	44.3	273.3
	45	1252.0	161.5	43.5	307.4	1252.0	161.5	43.5	307.4
	50	1240.4	160.0	42.7	341.6	1240.4	160.0	42.7	341.6
	55	1177.8	151.9	38.9	375.7	1177.8	151.9	38.9	375.7
6	35	1194.0	154.0	39.9	239.1	1194.0	154.0	39.9	239.1
	40	1177.0	151.8	38.8	273.3	1177.0	151.8	38.8	273.3
	45	**1160.0**	**149.6**	**37.8**	**307.4**	**1160.0**	**149.6**	**37.8**	**307.4**
	50	1143.0	147.4	36.8	341.6	1143.0	147.4	36.8	341.6
	55	1078.8	139.2	33.1	375.7	1078.8	139.2	33.1	375.7
5	35	1167.0	150.5	38.2	239.1	1167.0	150.5	38.2	239.1
	40	1149.2	148.2	37.2	273.3	1149.2	148.2	37.2	273.3
	45	1130.6	145.8	36.1	307.4	1130.6	145.8	36.1	307.4
	50	1112.8	143.6	35.1	341.6	1112.8	143.6	35.1	341.6
	55	1048.6	135.3	31.5	375.7	1048.6	135.3	31.5	375.7
0	35	1033.9	133.4	30.7	239.1	1033.9	133.4	30.7	239.1
	40	1010.0	130.3	29.4	273.3	1010.0	130.3	29.4	273.3
	45	985.2	127.1	28.1	307.4	985.2	127.1	28.1	307.4
	50	961.3	124.0	26.9	341.6	961.3	124.0	26.9	341.6
	55	897.8	115.8	23.7	375.7	897.8	115.8	23.7	375.7
-5	35	811.2	104.6	19.7	239.1	811.2	104.6	19.7	239.1
	40	783.4	101.1	18.5	273.3	783.4	101.1	18.5	273.3
	45	756.3	97.6	17.4	307.4	756.3	97.6	17.4	307.4
	50	728.5	94.0	16.2	341.6	728.5	94.0	16.2	341.6
	55	672.0	86.7	14.0	375.7	672.0	86.7	14.0	375.7
-10	35	691.4	89.2	14.7	239.1	691.4	89.2	14.7	239.1
	40	658.1	84.9	13.5	273.3	658.1	84.9	13.5	273.3
	45	625.6	80.7	12.3	307.4	625.6	80.7	12.3	307.4
	50	592.4	76.4	11.1	341.6	592.4	76.4	11.1	341.6

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 4 Modules

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	648.4	111.5	13.1	174.8	648.4	111.5	13.1	174.8	827.3	142.3	16.8	221.9	827.3	142.3	16.8	221.9
	40	645.7	111.1	13.0	188.8	645.7	111.1	13.0	188.8	823.9	141.7	16.7	239.2	823.9	141.7	16.7	239.2
	45	643.0	110.6	12.9	210.8	643.0	110.6	12.9	210.8	820.4	141.1	16.6	267.2	820.4	141.1	16.6	267.2
	50	640.3	110.1	12.8	240.9	640.3	110.1	12.8	240.9	817.0	140.5	16.4	304.9	817.0	140.5	16.4	304.9
	55	611.3	105.1	11.8	278.4	611.3	105.1	11.8	278.4	780.0	134.2	15.1	352.8	780.0	134.2	15.1	352.8
10	35	638.0	109.7	12.7	171.9	638.0	109.7	12.7	171.9	814.0	140.0	16.3	218.2	814.0	140.0	16.3	218.2
	40	632.2	108.7	12.5	186.6	632.2	108.7	12.5	186.6	806.6	138.7	16.0	235.9	806.6	138.7	16.0	235.9
	45	626.0	107.7	12.3	207.9	626.0	107.7	12.3	207.9	798.7	137.4	15.8	262.9	798.7	137.4	15.8	262.9
	50	620.2	106.7	12.1	235.8	620.2	106.7	12.1	235.8	791.3	136.1	15.5	299.0	791.3	136.1	15.5	299.0
	55	588.9	101.3	11.0	271.8	588.9	101.3	11.0	271.8	751.3	129.2	14.1	344.2	751.3	129.2	14.1	344.2
6	35	597.0	102.7	11.3	169.7	597.0	102.7	11.3	169.7	761.7	131.0	14.4	215.5	761.7	131.0	14.4	215.5
	40	588.5	101.2	11.0	184.4	588.5	101.2	11.0	184.4	750.9	129.1	14.1	233.3	750.9	129.1	14.1	233.3
	45	**580.0**	**99.8**	**10.7**	**204.9**	**580.0**	**99.8**	**10.7**	**204.9**	**740.0**	**127.3**	**13.7**	**259.6**	**740.0**	**127.3**	**13.7**	**259.6**
	50	571.5	98.3	10.4	232.1	571.5	98.3	10.4	232.1	729.1	125.4	13.3	294.1	729.1	125.4	13.3	294.1
	55	539.4	92.8	9.4	265.9	539.4	92.8	9.4	265.9	688.2	118.4	12.0	337.2	688.2	118.4	12.0	337.2
5	35	583.5	100.4	10.8	169.7	583.5	100.4	10.8	169.7	744.4	128.0	13.9	214.9	744.4	128.0	13.9	214.9
	40	574.6	98.8	10.5	183.6	574.6	98.8	10.5	183.6	733.1	126.1	13.5	232.7	733.1	126.1	13.5	232.7
	45	565.3	97.2	10.2	204.2	565.3	97.2	10.2	204.2	721.3	124.1	13.1	258.6	721.3	124.1	13.1	258.6
	50	556.4	95.7	9.9	231.4	556.4	95.7	9.9	231.4	709.9	122.1	12.7	293.0	709.9	122.1	12.7	293.0
	55	524.3	90.2	8.9	264.4	524.3	90.2	8.9	264.4	669.0	115.1	11.4	335.1	669.0	115.1	11.4	335.1
0	35	517.0	88.9	8.7	166.7	517.0	88.9	8.7	166.7	659.6	113.4	11.1	211.2	659.6	113.4	11.1	211.2
	40	505.0	86.9	8.3	181.4	505.0	86.9	8.3	181.4	644.3	110.8	10.6	229.5	644.3	110.8	10.6	229.5
	45	492.6	84.7	8.0	201.3	492.6	84.7	8.0	201.3	628.5	108.1	10.2	254.8	628.5	108.1	10.2	254.8
	50	480.6	82.7	7.6	226.2	480.6	82.7	7.6	226.2	613.2	105.5	9.7	287.1	613.2	105.5	9.7	287.1
	55	448.9	77.2	6.7	257.8	448.9	77.2	6.7	257.8	572.8	98.5	8.6	326.4	572.8	98.5	8.6	326.4
-5	35	405.6	69.8	5.6	147.6	405.6	69.8	5.6	147.6	517.5	89.0	7.1	186.9	517.5	89.0	7.1	186.9
	40	391.7	67.4	5.2	160.9	391.7	67.4	5.2	160.9	499.7	86.0	6.7	203.6	499.7	86.0	6.7	203.6
	45	378.2	65.0	4.9	177.8	378.2	65.0	4.9	177.8	482.5	83.0	6.3	225.7	482.5	83.0	6.3	225.7
	50	364.2	62.6	4.6	199.8	364.2	62.6	4.6	199.8	464.7	79.9	5.8	253.2	464.7	79.9	5.8	253.2
	55	336.0	57.8	4.0	225.5	336.0	57.8	4.0	225.5	428.7	73.7	5.0	286.0	428.7	73.7	5.0	286.0
-10	35	345.7	59.5	4.2	144.7	345.7	59.5	4.2	144.7	441.0	75.9	5.3	183.7	441.0	75.9	5.3	183.7
	40	329.1	56.6	3.8	158.7	329.1	56.6	3.8	158.7	419.8	72.2	4.9	200.4	419.8	72.2	4.9	200.4
	45	312.8	53.8	3.5	174.8	312.8	53.8	3.5	174.8	399.1	68.6	4.4	221.9	399.1	68.6	4.4	221.9
	50	296.2	50.9	3.1	195.4	296.2	50.9	3.1	195.4	377.9	65.0	4.0	247.8	377.9	65.0	4.0	247.8

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

(Pump not included)

		RHME-120AH2				RHME-140AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	1296.9	223.1	46.3	318.8	1296.9	223.1	46.3	318.8
	40	1291.5	222.1	46.0	364.4	1291.5	222.1	46.0	364.4
	45	1286.1	221.2	45.6	409.9	1286.1	221.2	45.6	409.9
	50	1280.6	220.3	45.3	455.4	1280.6	220.3	45.3	455.4
	55	1222.6	210.3	41.6	501.0	1222.6	210.3	41.6	501.0
10	35	1276.0	219.5	45.0	318.8	1276.0	219.5	45.0	318.8
	40	1264.4	217.5	44.3	364.4	1264.4	217.5	44.3	364.4
	45	1252.0	215.3	43.5	409.9	1252.0	215.3	43.5	409.9
	50	1240.4	213.4	42.7	455.4	1240.4	213.4	42.7	455.4
	55	1177.8	202.6	38.9	501.0	1177.8	202.6	38.9	501.0
6	35	1194.0	205.4	39.9	318.8	1194.0	205.4	39.9	318.8
	40	1177.0	202.4	38.8	364.4	1177.0	202.4	38.8	364.4
	45	**1160.0**	**199.5**	**37.8**	**409.9**	**1160.0**	**199.5**	**37.8**	**409.9**
	50	1143.0	196.6	36.8	455.4	1143.0	196.6	36.8	455.4
	55	1078.8	185.6	33.1	501.0	1078.8	185.6	33.1	501.0
5	35	1167.0	200.7	38.2	318.8	1167.0	200.7	38.2	318.8
	40	1149.2	197.7	37.2	364.4	1149.2	197.7	37.2	364.4
	45	1130.6	194.5	36.1	409.9	1130.6	194.5	36.1	409.9
	50	1112.8	191.4	35.1	455.4	1112.8	191.4	35.1	455.4
	55	1048.6	180.4	31.5	501.0	1048.6	180.4	31.5	501.0
0	35	1033.9	177.8	30.7	318.8	1033.9	177.8	30.7	318.8
	40	1010.0	173.7	29.4	364.4	1010.0	173.7	29.4	364.4
	45	985.2	169.5	28.1	409.9	985.2	169.5	28.1	409.9
	50	961.3	165.3	26.9	455.4	961.3	165.3	26.9	455.4
	55	897.8	154.4	23.7	501.0	897.8	154.4	23.7	501.0
-5	35	811.2	139.5	19.7	318.8	811.2	139.5	19.7	318.8
	40	783.4	134.7	18.5	364.4	783.4	134.7	18.5	364.4
	45	756.3	130.1	17.4	409.9	756.3	130.1	17.4	409.9
	50	728.5	125.3	16.2	455.4	728.5	125.3	16.2	455.4
	55	672.0	115.6	14.0	501.0	672.0	115.6	14.0	501.0
-10	35	691.4	118.9	14.7	318.8	691.4	118.9	14.7	318.8
	40	658.1	113.2	13.5	364.4	658.1	113.2	13.5	364.4
	45	625.6	107.6	12.3	409.9	625.6	107.6	12.3	409.9
	50	592.4	101.9	11.1	455.4	592.4	101.9	11.1	455.4

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 5 Modules

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	810.6	139.4	13.1	218.5	810.6	139.4	13.1	218.5	1034.2	177.9	16.8	277.4	1034.2	177.9	16.8	277.4
	40	807.2	138.8	13.0	236.0	807.2	138.8	13.0	236.0	1029.8	177.1	16.7	299.0	1029.8	177.1	16.7	299.0
	45	803.8	138.3	12.9	263.5	803.8	138.3	12.9	263.5	1025.5	176.4	16.6	334.0	1025.5	176.4	16.6	334.0
	50	800.4	137.7	12.8	301.2	800.4	137.7	12.8	301.2	1021.2	175.6	16.4	381.1	1021.2	175.6	16.4	381.1
	55	764.2	131.4	11.8	348.0	764.2	131.4	11.8	348.0	975.0	167.7	15.1	441.1	975.0	167.7	15.1	441.1
10	35	797.5	137.2	12.7	214.9	797.5	137.2	12.7	214.9	1017.5	175.0	16.3	272.7	1017.5	175.0	16.3	272.7
	40	790.3	135.9	12.5	233.2	790.3	135.9	12.5	233.2	1008.3	173.4	16.0	294.9	1008.3	173.4	16.0	294.9
	45	782.5	134.6	12.3	259.9	782.5	134.6	12.3	259.9	998.4	171.7	15.8	328.6	998.4	171.7	15.8	328.6
	50	775.3	133.3	12.1	294.7	775.3	133.3	12.1	294.7	989.1	170.1	15.5	373.7	989.1	170.1	15.5	373.7
	55	736.1	126.6	11.0	339.7	736.1	126.6	11.0	339.7	939.2	161.5	14.1	430.3	939.2	161.5	14.1	430.3
6	35	746.3	128.4	11.3	212.1	746.3	128.4	11.3	212.1	952.1	163.8	14.4	269.3	952.1	163.8	14.4	269.3
	40	735.6	126.5	11.0	230.5	735.6	126.5	11.0	230.5	938.6	161.4	14.1	291.6	938.6	161.4	14.1	291.6
	45	**725.0**	**124.7**	**10.7**	**256.2**	**725.0**	**124.7**	**10.7**	**256.2**	**925.0**	**159.1**	**13.7**	**324.6**	**925.0**	**159.1**	**13.7**	**324.6**
	50	714.4	122.9	10.4	290.2	714.4	122.9	10.4	290.2	911.4	156.8	13.3	367.7	911.4	156.8	13.3	367.7
	55	674.3	116.0	9.4	332.4	674.3	116.0	9.4	332.4	860.3	148.0	12.0	421.5	860.3	148.0	12.0	421.5
5	35	729.4	125.4	10.8	212.1	729.4	125.4	10.8	212.1	930.6	160.1	13.9	268.7	930.6	160.1	13.9	268.7
	40	718.2	123.5	10.5	229.6	718.2	123.5	10.5	229.6	916.4	157.6	13.5	290.9	916.4	157.6	13.5	290.9
	45	706.6	121.5	10.2	255.3	706.6	121.5	10.2	255.3	901.6	155.1	13.1	323.2	901.6	155.1	13.1	323.2
	50	695.5	119.6	9.9	289.2	695.5	119.6	9.9	289.2	887.4	152.6	12.7	366.3	887.4	152.6	12.7	366.3
	55	655.4	112.7	8.9	330.6	655.4	112.7	8.9	330.6	836.2	143.8	11.4	418.8	836.2	143.8	11.4	418.8
0	35	646.2	111.1	8.7	208.4	646.2	111.1	8.7	208.4	824.5	141.8	11.1	264.0	824.5	141.8	11.1	264.0
	40	631.2	108.6	8.3	226.8	631.2	108.6	8.3	226.8	805.4	138.5	10.6	286.9	805.4	138.5	10.6	286.9
	45	615.8	105.9	8.0	251.6	615.8	105.9	8.0	251.6	785.6	135.1	10.2	318.5	785.6	135.1	10.2	318.5
	50	600.8	103.3	7.6	282.8	600.8	103.3	7.6	282.8	766.5	131.8	9.7	358.9	766.5	131.8	9.7	358.9
	55	561.2	96.5	6.7	322.3	561.2	96.5	6.7	322.3	716.0	123.1	8.6	408.1	716.0	123.1	8.6	408.1
-5	35	507.0	87.2	5.6	184.6	507.0	87.2	5.6	184.6	646.9	111.3	7.1	233.7	646.9	111.3	7.1	233.7
	40	489.6	84.2	5.2	201.1	489.6	84.2	5.2	201.1	624.7	107.4	6.7	254.5	624.7	107.4	6.7	254.5
	45	472.7	81.3	4.9	222.2	472.7	81.3	4.9	222.2	603.1	103.7	6.3	282.1	603.1	103.7	6.3	282.1
	50	455.3	78.3	4.6	249.8	455.3	78.3	4.6	249.8	580.9	99.9	5.8	316.5	580.9	99.9	5.8	316.5
	55	420.0	72.2	4.0	281.9	420.0	72.2	4.0	281.9	535.9	92.2	5.0	357.6	535.9	92.2	5.0	357.6
-10	35	432.1	74.3	4.2	180.9	432.1	74.3	4.2	180.9	551.3	94.8	5.3	229.6	551.3	94.8	5.3	229.6
	40	411.3	70.7	3.8	198.3	411.3	70.7	3.8	198.3	524.8	90.3	4.9	250.5	524.8	90.3	4.9	250.5
	45	391.0	67.3	3.5	218.5	391.0	67.3	3.5	218.5	498.9	85.8	4.4	277.4	498.9	85.8	4.4	277.4
	50	370.2	63.7	3.1	244.2	370.2	63.7	3.1	244.2	472.4	81.2	4.0	309.7	472.4	81.2	4.0	309.7

ABTW: Evaporator Air Inlet Temperature (ºC)
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HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

(Pump not included)

		RHME-120AH2				RHME-140AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	1621.1	278.8	46.3	398.5	1621.1	278.8	46.3	398.5
	40	1614.3	277.7	46.0	455.4	1614.3	277.7	46.0	455.4
	45	1607.6	276.5	45.6	512.4	1607.6	276.5	45.6	512.4
	50	1600.8	275.3	45.3	569.3	1600.8	275.3	45.3	569.3
	55	1528.3	262.9	41.6	626.2	1528.3	262.9	41.6	626.2
10	35	1595.0	274.3	45.0	398.5	1595.0	274.3	45.0	398.5
	40	1580.5	271.8	44.3	455.4	1580.5	271.8	44.3	455.4
	45	1565.0	269.2	43.5	512.4	1565.0	269.2	43.5	512.4
	50	1550.5	266.7	42.7	569.3	1550.5	266.7	42.7	569.3
	55	1472.2	253.2	38.9	626.2	1472.2	253.2	38.9	626.2
6	35	1492.5	256.7	39.9	398.5	1492.5	256.7	39.9	398.5
	40	1471.3	253.1	38.8	455.4	1471.3	253.1	38.8	455.4
	45	**1450.0**	**249.4**	**37.8**	**512.4**	**1450.0**	**249.4**	**37.8**	**512.4**
	50	1428.7	245.7	36.8	569.3	1428.7	245.7	36.8	569.3
	55	1348.5	231.9	33.1	626.2	1348.5	231.9	33.1	626.2
5	35	1458.7	250.9	38.2	398.5	1458.7	250.9	38.2	398.5
	40	1436.5	247.1	37.2	455.4	1436.5	247.1	37.2	455.4
	45	1413.3	243.1	36.1	512.4	1413.3	243.1	36.1	512.4
	50	1391.0	239.3	35.1	569.3	1391.0	239.3	35.1	569.3
	55	1310.8	225.5	31.5	626.2	1310.8	225.5	31.5	626.2
0	35	1292.4	222.3	30.7	398.5	1292.4	222.3	30.7	398.5
	40	1262.5	217.1	29.4	455.4	1262.5	217.1	29.4	455.4
	45	1231.5	211.8	28.1	512.4	1231.5	211.8	28.1	512.4
	50	1201.6	206.7	26.9	569.3	1201.6	206.7	26.9	569.3
	55	1122.3	193.0	23.7	626.2	1122.3	193.0	23.7	626.2
-5	35	1014.0	174.4	19.7	398.5	1014.0	174.4	19.7	398.5
	40	979.2	168.4	18.5	455.4	979.2	168.4	18.5	455.4
	45	945.4	162.6	17.4	512.4	945.4	162.6	17.4	512.4
	50	910.6	156.6	16.2	569.3	910.6	156.6	16.2	569.3
	55	840.0	144.5	14.0	626.2	840.0	144.5	14.0	626.2
-10	35	864.2	148.6	14.7	398.5	864.2	148.6	14.7	398.5
	40	822.6	141.5	13.5	455.4	822.6	141.5	13.5	455.4
	45	782.0	134.5	12.3	512.4	782.0	134.5	12.3	512.4
	50	740.5	127.4	11.1	569.3	740.5	127.4	11.1	569.3

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
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HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 6 Modules

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	972.7	167.3	13.1	262.2	972.7	167.3	13.1	262.2	1241.0	213.4	16.8	332.9	1241.0	213.4	16.8	332.9
	40	968.6	166.6	13.0	283.2	968.6	166.6	13.0	283.2	1235.8	212.6	16.7	358.8	1235.8	212.6	16.7	358.8
	45	964.5	165.9	12.9	316.2	964.5	165.9	12.9	316.2	1230.6	211.7	16.6	400.8	1230.6	211.7	16.6	400.8
	50	960.5	165.2	12.8	361.4	960.5	165.2	12.8	361.4	1225.4	210.8	16.4	457.3	1225.4	210.8	16.4	457.3
	55	917.0	157.7	11.8	417.6	917.0	157.7	11.8	417.6	1169.9	201.2	15.1	529.3	1169.9	201.2	15.1	529.3
10	35	957.0	164.6	12.7	257.8	957.0	164.6	12.7	257.8	1221.0	210.0	16.3	327.3	1221.0	210.0	16.3	327.3
	40	948.3	163.1	12.5	279.9	948.3	163.1	12.5	279.9	1209.9	208.1	16.0	353.9	1209.9	208.1	16.0	353.9
	45	939.0	161.5	12.3	311.8	939.0	161.5	12.3	311.8	1198.1	206.1	15.8	394.3	1198.1	206.1	15.8	394.3
	50	930.3	160.0	12.1	353.7	930.3	160.0	12.1	353.7	1187.0	204.2	15.5	448.5	1187.0	204.2	15.5	448.5
	55	883.3	151.9	11.0	407.7	883.3	151.9	11.0	407.7	1127.0	193.8	14.1	516.3	1127.0	193.8	14.1	516.3
6	35	895.5	154.0	11.3	254.5	895.5	154.0	11.3	254.5	1142.6	196.5	14.4	323.2	1142.6	196.5	14.4	323.2
	40	882.8	151.8	11.0	276.6	882.8	151.8	11.0	276.6	1126.3	193.7	14.1	349.9	1126.3	193.7	14.1	349.9
	45	**870.0**	**149.6**	**10.7**	**307.4**	**870.0**	**149.6**	**10.7**	**307.4**	**1110.0**	**190.9**	**13.7**	**389.5**	**1110.0**	**190.9**	**13.7**	**389.5**
	50	857.2	147.4	10.4	348.2	857.2	147.4	10.4	348.2	1093.7	188.1	13.3	441.2	1093.7	188.1	13.3	441.2
	55	809.1	139.2	9.4	398.9	809.1	139.2	9.4	398.9	1032.3	177.6	12.0	505.8	1032.3	177.6	12.0	505.8
5	35	875.2	150.5	10.8	254.5	875.2	150.5	10.8	254.5	1116.7	192.1	13.9	322.4	1116.7	192.1	13.9	322.4
	40	861.9	148.2	10.5	275.5	861.9	148.2	10.5	275.5	1099.6	189.1	13.5	349.1	1099.6	189.1	13.5	349.1
	45	848.0	145.8	10.2	306.3	848.0	145.8	10.2	306.3	1081.9	186.1	13.1	387.9	1081.9	186.1	13.1	387.9
	50	834.6	143.6	9.9	347.1	834.6	143.6	9.9	347.1	1064.9	183.2	12.7	439.6	1064.9	183.2	12.7	439.6
	55	786.5	135.3	8.9	396.7	786.5	135.3	8.9	396.7	1003.4	172.6	11.4	502.6	1003.4	172.6	11.4	502.6
0	35	775.5	133.4	8.7	250.1	775.5	133.4	8.7	250.1	989.4	170.2	11.1	316.8	989.4	170.2	11.1	316.8
	40	757.5	130.3	8.3	272.2	757.5	130.3	8.3	272.2	966.4	166.2	10.6	344.2	966.4	166.2	10.6	344.2
	45	738.9	127.1	8.0	301.9	738.9	127.1	8.0	301.9	942.8	162.2	10.2	382.2	942.8	162.2	10.2	382.2
	50	720.9	124.0	7.6	339.4	720.9	124.0	7.6	339.4	919.8	158.2	9.7	430.7	919.8	158.2	9.7	430.7
	55	673.4	115.8	6.7	386.8	673.4	115.8	6.7	386.8	859.1	147.8	8.6	489.7	859.1	147.8	8.6	489.7
-5	35	608.4	104.6	5.6	221.5	608.4	104.6	5.6	221.5	776.3	133.5	7.1	280.4	776.3	133.5	7.1	280.4
	40	587.5	101.1	5.2	241.3	587.5	101.1	5.2	241.3	749.6	128.9	6.7	305.4	749.6	128.9	6.7	305.4
	45	567.2	97.6	4.9	266.7	567.2	97.6	4.9	266.7	723.7	124.5	6.3	338.6	723.7	124.5	6.3	338.6
	50	546.4	94.0	4.6	299.7	546.4	94.0	4.6	299.7	697.1	119.9	5.8	379.8	697.1	119.9	5.8	379.8
	55	504.0	86.7	4.0	338.3	504.0	86.7	4.0	338.3	643.1	110.6	5.0	429.1	643.1	110.6	5.0	429.1
-10	35	518.5	89.2	4.2	217.1	518.5	89.2	4.2	217.1	661.6	113.8	5.3	275.5	661.6	113.8	5.3	275.5
	40	493.6	84.9	3.8	238.0	493.6	84.9	3.8	238.0	629.7	108.3	4.9	300.6	629.7	108.3	4.9	300.6
	45	469.2	80.7	3.5	262.2	469.2	80.7	3.5	262.2	598.7	103.0	4.4	332.9	598.7	103.0	4.4	332.9
	50	444.3	76.4	3.1	293.1	444.3	76.4	3.1	293.1	566.8	97.5	4.0	371.7	566.8	97.5	4.0	371.7

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

(Pump not included)

		RHME-120AH2				RHME-140AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	1945.3	334.6	46.3	478.2	1945.3	334.6	46.3	478.2
	40	1937.2	333.2	46.0	546.5	1937.2	333.2	46.0	546.5
	45	1929.1	331.8	45.6	614.8	1929.1	331.8	45.6	614.8
	50	1921.0	330.4	45.3	683.2	1921.0	330.4	45.3	683.2
	55	1834.0	315.4	41.6	751.5	1834.0	315.4	41.6	751.5
10	35	1914.0	329.2	45.0	478.2	1914.0	329.2	45.0	478.2
	40	1896.6	326.2	44.3	546.5	1896.6	326.2	44.3	546.5
	45	1878.0	323.0	43.5	614.8	1878.0	323.0	43.5	614.8
	50	1860.6	320.0	42.7	683.2	1860.6	320.0	42.7	683.2
	55	1766.7	303.9	38.9	751.5	1766.7	303.9	38.9	751.5
6	35	1791.0	308.1	39.9	478.2	1791.0	308.1	39.9	478.2
	40	1765.5	303.7	38.8	546.5	1765.5	303.7	38.8	546.5
	45	**1740.0**	**299.3**	**37.8**	**614.8**	**1740.0**	**299.3**	**37.8**	**614.8**
	50	1714.5	294.9	36.8	683.2	1714.5	294.9	36.8	683.2
	55	1618.2	278.3	33.1	751.5	1618.2	278.3	33.1	751.5
5	35	1750.4	301.1	38.2	478.2	1750.4	301.1	38.2	478.2
	40	1723.8	296.5	37.2	546.5	1723.8	296.5	37.2	546.5
	45	1695.9	291.7	36.1	614.8	1695.9	291.7	36.1	614.8
	50	1669.2	287.1	35.1	683.2	1669.2	287.1	35.1	683.2
	55	1573.0	270.5	31.5	751.5	1573.0	270.5	31.5	751.5
0	35	1550.9	266.8	30.7	478.2	1550.9	266.8	30.7	478.2
	40	1515.0	260.6	29.4	546.5	1515.0	260.6	29.4	546.5
	45	1477.8	254.2	28.1	614.8	1477.8	254.2	28.1	614.8
	50	1441.9	248.0	26.9	683.2	1441.9	248.0	26.9	683.2
	55	1346.8	231.6	23.7	751.5	1346.8	231.6	23.7	751.5
-5	35	1216.8	209.3	19.7	478.2	1216.8	209.3	19.7	478.2
	40	1175.1	202.1	18.5	546.5	1175.1	202.1	18.5	546.5
	45	1134.5	195.1	17.4	614.8	1134.5	195.1	17.4	614.8
	50	1092.7	187.9	16.2	683.2	1092.7	187.9	16.2	683.2
	55	1008.0	173.4	14.0	751.5	1008.0	173.4	14.0	751.5
-10	35	1037.0	178.4	14.7	478.2	1037.0	178.4	14.7	478.2
	40	987.2	169.8	13.5	546.5	987.2	169.8	13.5	546.5
	45	938.4	161.4	12.3	614.8	938.4	161.4	12.3	614.8
	50	888.6	152.8	11.1	683.2	888.6	152.8	11.1	683.2

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 7 Modules

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	1134.8	195.2	13.1	306.0	1134.8	195.2	13.1	306.0	1447.8	249.0	16.8	388.4	1447.8	249.0	16.8	388.4
	40	1130.0	194.4	13.0	330.4	1130.0	194.4	13.0	330.4	1441.8	248.0	16.7	418.6	1441.8	248.0	16.7	418.6
	45	1125.3	193.6	12.9	368.9	1125.3	193.6	12.9	368.9	1435.7	246.9	16.6	467.6	1435.7	246.9	16.6	467.6
	50	1120.6	192.7	12.8	421.6	1120.6	192.7	12.8	421.6	1429.7	245.9	16.4	533.6	1429.7	245.9	16.4	533.6
	55	1069.8	184.0	11.8	487.2	1069.8	184.0	11.8	487.2	1364.9	234.8	15.1	617.5	1364.9	234.8	15.1	617.5
10	35	1116.5	192.0	12.7	300.8	1116.5	192.0	12.7	300.8	1424.5	245.0	16.3	381.8	1424.5	245.0	16.3	381.8
	40	1106.4	190.3	12.5	326.5	1106.4	190.3	12.5	326.5	1411.6	242.8	16.0	412.9	1411.6	242.8	16.0	412.9
	45	1095.5	188.4	12.3	363.8	1095.5	188.4	12.3	363.8	1397.7	240.4	15.8	460.0	1397.7	240.4	15.8	460.0
	50	1085.4	186.7	12.1	412.6	1085.4	186.7	12.1	412.6	1384.8	238.2	15.5	523.2	1384.8	238.2	15.5	523.2
	55	1030.6	177.3	11.0	475.6	1030.6	177.3	11.0	475.6	1314.9	226.2	14.1	602.4	1314.9	226.2	14.1	602.4
6	35	1044.8	179.7	11.3	297.0	1044.8	179.7	11.3	297.0	1333.0	229.3	14.4	377.1	1333.0	229.3	14.4	377.1
	40	1029.9	177.1	11.0	322.7	1029.9	177.1	11.0	322.7	1314.0	226.0	14.1	408.2	1314.0	226.0	14.1	408.2
	45	**1015.0**	**174.6**	**10.7**	**358.7**	**1015.0**	**174.6**	**10.7**	**358.7**	**1295.0**	**222.7**	**13.7**	**454.4**	**1295.0**	**222.7**	**13.7**	**454.4**
	50	1000.1	172.0	10.4	406.2	1000.1	172.0	10.4	406.2	1276.0	219.5	13.3	514.7	1276.0	219.5	13.3	514.7
	55	944.0	162.4	9.4	465.4	944.0	162.4	9.4	465.4	1204.4	207.1	12.0	590.1	1204.4	207.1	12.0	590.1
5	35	1021.1	175.6	10.8	297.0	1021.1	175.6	10.8	297.0	1302.8	224.1	13.9	376.1	1302.8	224.1	13.9	376.1
	40	1005.5	173.0	10.5	321.4	1005.5	173.0	10.5	321.4	1282.9	220.7	13.5	407.3	1282.9	220.7	13.5	407.3
	45	989.3	170.2	10.2	357.4	989.3	170.2	10.2	357.4	1262.2	217.1	13.1	452.5	1262.2	217.1	13.1	452.5
	50	973.7	167.5	9.9	404.9	973.7	167.5	9.9	404.9	1242.3	213.7	12.7	512.8	1242.3	213.7	12.7	512.8
	55	917.6	157.8	8.9	462.8	917.6	157.8	8.9	462.8	1170.7	201.4	11.4	586.4	1170.7	201.4	11.4	586.4
0	35	904.7	155.6	8.7	291.8	904.7	155.6	8.7	291.8	1154.3	198.5	11.1	369.5	1154.3	198.5	11.1	369.5
	40	883.7	152.0	8.3	317.5	883.7	152.0	8.3	317.5	1127.5	193.9	10.6	401.6	1127.5	193.9	10.6	401.6
	45	862.1	148.3	8.0	352.2	862.1	148.3	8.0	352.2	1099.9	189.2	10.2	445.9	1099.9	189.2	10.2	445.9
	50	841.1	144.7	7.6	395.9	841.1	144.7	7.6	395.9	1073.1	184.6	9.7	502.5	1073.1	184.6	9.7	502.5
	55	785.6	135.1	6.7	451.2	785.6	135.1	6.7	451.2	1002.3	172.4	8.6	571.3	1002.3	172.4	8.6	571.3
-5	35	709.8	122.1	5.6	258.4	709.8	122.1	5.6	258.4	905.6	155.8	7.1	327.1	905.6	155.8	7.1	327.1
	40	685.5	117.9	5.2	281.5	685.5	117.9	5.2	281.5	874.6	150.4	6.7	356.3	874.6	150.4	6.7	356.3
	45	661.8	113.8	4.9	311.1	661.8	113.8	4.9	311.1	844.3	145.2	6.3	395.0	844.3	145.2	6.3	395.0
	50	637.4	109.6	4.6	349.7	637.4	109.6	4.6	349.7	813.3	139.9	5.8	443.1	813.3	139.9	5.8	443.1
	55	588.0	101.1	4.0	394.7	588.0	101.1	4.0	394.7	750.2	129.0	5.0	500.6	750.2	129.0	5.0	500.6
-10	35	604.9	104.0	4.2	253.2	604.9	104.0	4.2	253.2	771.8	132.8	5.3	321.5	771.8	132.8	5.3	321.5
	40	575.8	99.0	3.8	277.7	575.8	99.0	3.8	277.7	734.7	126.4	4.9	350.7	734.7	126.4	4.9	350.7
	45	547.4	94.2	3.5	306.0	547.4	94.2	3.5	306.0	698.4	120.1	4.4	388.4	698.4	120.1	4.4	388.4
	50	518.3	89.2	3.1	341.9	518.3	89.2	3.1	341.9	661.3	113.7	4.0	433.6	661.3	113.7	4.0	433.6

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CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

(Pump not included)

		RHME-120AH2				RHME-140AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	2269.5	390.4	46.3	557.9	2269.5	390.4	46.3	557.9
	40	2260.1	388.7	46.0	637.6	2260.1	388.7	46.0	637.6
	45	2250.6	387.1	45.6	717.3	2250.6	387.1	45.6	717.3
	50	2241.1	385.5	45.3	797.0	2241.1	385.5	45.3	797.0
	55	2139.6	368.0	41.6	876.7	2139.6	368.0	41.6	876.7
10	35	2233.0	384.1	45.0	557.9	2233.0	384.1	45.0	557.9
	40	2212.7	380.6	44.3	637.6	2212.7	380.6	44.3	637.6
	45	2191.0	376.9	43.5	717.3	2191.0	376.9	43.5	717.3
	50	2170.7	373.4	42.7	797.0	2170.7	373.4	42.7	797.0
	55	2061.1	354.5	38.9	876.7	2061.1	354.5	38.9	876.7
6	35	2089.5	359.4	39.9	557.9	2089.5	359.4	39.9	557.9
	40	2059.8	354.3	38.8	637.6	2059.8	354.3	38.8	637.6
	45	**2030.0**	**349.2**	**37.8**	**717.3**	**2030.0**	**349.2**	**37.8**	**717.3**
	50	2000.2	344.0	36.8	797.0	2000.2	344.0	36.8	797.0
	55	1887.9	324.7	33.1	876.7	1887.9	324.7	33.1	876.7
5	35	2042.2	351.3	38.2	557.9	2042.2	351.3	38.2	557.9
	40	2011.1	345.9	37.2	637.6	2011.1	345.9	37.2	637.6
	45	1978.6	340.3	36.1	717.3	1978.6	340.3	36.1	717.3
	50	1947.4	335.0	35.1	797.0	1947.4	335.0	35.1	797.0
	55	1835.1	315.6	31.5	876.7	1835.1	315.6	31.5	876.7
0	35	1809.4	311.2	30.7	557.9	1809.4	311.2	30.7	557.9
	40	1767.5	304.0	29.4	637.6	1767.5	304.0	29.4	637.6
	45	1724.1	296.6	28.1	717.3	1724.1	296.6	28.1	717.3
	50	1682.2	289.3	26.9	797.0	1682.2	289.3	26.9	797.0
	55	1571.2	270.2	23.7	876.7	1571.2	270.2	23.7	876.7
-5	35	1419.6	244.2	19.7	557.9	1419.6	244.2	19.7	557.9
	40	1370.9	235.8	18.5	637.6	1370.9	235.8	18.5	637.6
	45	1323.6	227.7	17.4	717.3	1323.6	227.7	17.4	717.3
	50	1274.8	219.3	16.2	797.0	1274.8	219.3	16.2	797.0
	55	1176.0	202.3	14.0	876.7	1176.0	202.3	14.0	876.7
-10	35	1209.9	208.1	14.7	557.9	1209.9	208.1	14.7	557.9
	40	1151.7	198.1	13.5	637.6	1151.7	198.1	13.5	637.6
	45	1094.8	188.3	12.3	717.3	1094.8	188.3	12.3	717.3
	50	1036.7	178.3	11.1	797.0	1036.7	178.3	11.1	797.0

ABTW: Evaporator Air Inlet Temperature (ºC)
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HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

◆ 8 Modules

(Pump not included)

		RHME-60AH2				RHME-70AH2				RHME-80AH2				RHME-90AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	1296.9	223.1	13.1	349.7	1296.9	223.1	13.1	349.7	1654.6	284.6	16.8	443.9	1654.6	284.6	16.8	443.9
	40	1291.5	222.1	13.0	377.6	1291.5	222.1	13.0	377.6	1647.7	283.4	16.7	478.4	1647.7	283.4	16.7	478.4
	45	1286.1	221.2	12.9	421.6	1286.1	221.2	12.9	421.6	1640.8	282.2	16.6	534.4	1640.8	282.2	16.6	534.4
	50	1280.6	220.3	12.8	481.9	1280.6	220.3	12.8	481.9	1633.9	281.0	16.4	609.8	1633.9	281.0	16.4	609.8
	55	1222.6	210.3	11.8	556.8	1222.6	210.3	11.8	556.8	1559.9	268.3	15.1	705.7	1559.9	268.3	15.1	705.7
10	35	1276.0	219.5	12.7	343.8	1276.0	219.5	12.7	343.8	1628.0	280.0	16.3	436.3	1628.0	280.0	16.3	436.3
	40	1264.4	217.5	12.5	373.2	1264.4	217.5	12.5	373.2	1613.2	277.5	16.0	471.9	1613.2	277.5	16.0	471.9
	45	1252.0	215.3	12.3	415.8	1252.0	215.3	12.3	415.8	1597.4	274.8	15.8	525.8	1597.4	274.8	15.8	525.8
	50	1240.4	213.4	12.1	471.6	1240.4	213.4	12.1	471.6	1582.6	272.2	15.5	597.9	1582.6	272.2	15.5	597.9
	55	1177.8	202.6	11.0	543.6	1177.8	202.6	11.0	543.6	1502.7	258.5	14.1	688.4	1502.7	258.5	14.1	688.4
6	35	1194.0	205.4	11.3	339.4	1194.0	205.4	11.3	339.4	1523.4	262.0	14.4	431.0	1523.4	262.0	14.4	431.0
	40	1177.0	202.4	11.0	368.8	1177.0	202.4	11.0	368.8	1501.7	258.3	14.1	466.5	1501.7	258.3	14.1	466.5
	45	**1160.0**	**199.5**	**10.7**	**409.9**	**1160.0**	**199.5**	**10.7**	**409.9**	**1480.0**	**254.6**	**13.7**	**519.3**	**1480.0**	**254.6**	**13.7**	**519.3**
	50	1143.0	196.6	10.4	464.3	1143.0	196.6	10.4	464.3	1458.3	250.8	13.3	588.3	1458.3	250.8	13.3	588.3
	55	1078.8	185.6	9.4	531.8	1078.8	185.6	9.4	531.8	1376.4	236.7	12.0	674.4	1376.4	236.7	12.0	674.4
5	35	1167.0	200.7	10.8	339.4	1167.0	200.7	10.8	339.4	1488.9	256.1	13.9	429.9	1488.9	256.1	13.9	429.9
	40	1149.2	197.7	10.5	367.3	1149.2	197.7	10.5	367.3	1466.2	252.2	13.5	465.4	1466.2	252.2	13.5	465.4
	45	1130.6	194.5	10.2	408.4	1130.6	194.5	10.2	408.4	1442.5	248.1	13.1	517.1	1442.5	248.1	13.1	517.1
	50	1112.8	191.4	9.9	462.8	1112.8	191.4	9.9	462.8	1419.8	244.2	12.7	586.1	1419.8	244.2	12.7	586.1
	55	1048.6	180.4	8.9	528.9	1048.6	180.4	8.9	528.9	1337.9	230.1	11.4	670.1	1337.9	230.1	11.4	670.1
0	35	1033.9	177.8	8.7	333.5	1033.9	177.8	8.7	333.5	1319.2	226.9	11.1	422.3	1319.2	226.9	11.1	422.3
	40	1010.0	173.7	8.3	362.9	1010.0	173.7	8.3	362.9	1288.6	221.6	10.6	459.0	1288.6	221.6	10.6	459.0
	45	985.2	169.5	8.0	402.5	985.2	169.5	8.0	402.5	1257.0	216.2	10.2	509.6	1257.0	216.2	10.2	509.6
	50	961.3	165.3	7.6	452.5	961.3	165.3	7.6	452.5	1226.4	210.9	9.7	574.2	1226.4	210.9	9.7	574.2
	55	898	154.4	6.7	218	898	154.4	6.7	285	1146	197.0	8.6	376	1146	197.0	8.6	436
-5	35	811.2	139.5	5.6	295.3	811.2	139.5	5.6	295.3	1035.0	178.0	7.1	373.9	1035.0	178.0	7.1	373.9
	40	783.4	134.7	5.2	321.7	783.4	134.7	5.2	321.7	999.5	171.9	6.7	407.3	999.5	171.9	6.7	407.3
	45	756.3	130.1	4.9	355.5	756.3	130.1	4.9	355.5	965.0	166.0	6.3	451.4	965.0	166.0	6.3	451.4
	50	728.5	125.3	4.6	399.6	728.5	125.3	4.6	399.6	929.4	159.9	5.8	506.4	929.4	159.9	5.8	506.4
	55	672.0	115.6	4.0	451.0	672.0	115.6	4.0	451.0	857.4	147.5	5.0	572.1	857.4	147.5	5.0	572.1
-10	35	691.4	118.9	4.2	289.4	691.4	118.9	4.2	289.4	882.1	151.7	5.3	367.4	882.1	151.7	5.3	367.4
	40	658.1	113.2	3.8	317.3	658.1	113.2	3.8	317.3	839.7	144.4	4.9	400.8	839.7	144.4	4.9	400.8
	45	625.6	107.6	3.5	349.7	625.6	107.6	3.5	349.7	798.2	137.3	4.4	443.9	798.2	137.3	4.4	443.9
	50	592.4	101.9	3.1	390.8	592.4	101.9	3.1	390.8	755.8	130.0	4.0	495.6	755.8	130.0	4.0	495.6

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

(Pump not included)

		RHME-120AH2				RHME-140AH2			
ABTW	HOT	HCAP	HFR	CPD	IPT	HCAP	HFR	CPD	IPT
15	35	2593.8	446.1	46.3	637.6	2593.8	446.1	46.3	637.6
	40	2582.9	444.3	46.0	728.7	2582.9	444.3	46.0	728.7
	45	2572.1	442.4	45.6	819.8	2572.1	442.4	45.6	819.8
	50	2561.3	440.5	45.3	910.9	2561.3	440.5	45.3	910.9
	55	2445.3	420.6	41.6	1002.0	2445.3	420.6	41.6	1002.0
10	35	2552.0	438.9	45.0	637.6	2552.0	438.9	45.0	637.6
	40	2528.8	435.0	44.3	728.7	2528.8	435.0	44.3	728.7
	45	2504.1	430.7	43.5	819.8	2504.1	430.7	43.5	819.8
	50	2480.9	426.7	42.7	910.9	2480.9	426.7	42.7	910.9
	55	2355.6	405.2	38.9	1002.0	2355.6	405.2	38.9	1002.0
6	35	2388.1	410.7	39.9	637.6	2388.1	410.7	39.9	637.6
	40	2354.0	404.9	38.8	728.7	2354.0	404.9	38.8	728.7
	45	**2320.0**	**399.0**	**37.8**	**819.8**	**2320.0**	**399.0**	**37.8**	**819.8**
	50	2286.0	393.2	36.8	910.9	2286.0	393.2	36.8	910.9
	55	2157.6	371.1	33.1	1002.0	2157.6	371.1	33.1	1002.0
5	35	2333.9	401.4	38.2	637.6	2333.9	401.4	38.2	637.6
	40	2298.3	395.3	37.2	728.7	2298.3	395.3	37.2	728.7
	45	2261.2	388.9	36.1	819.8	2261.2	388.9	36.1	819.8
	50	2225.7	382.8	35.1	910.9	2225.7	382.8	35.1	910.9
	55	2097.3	360.7	31.5	1002.0	2097.3	360.7	31.5	1002.0
0	35	2067.9	355.7	30.7	637.6	2067.9	355.7	30.7	637.6
	40	2019.9	347.4	29.4	728.7	2019.9	347.4	29.4	728.7
	45	1970.5	338.9	28.1	819.8	1970.5	338.9	28.1	819.8
	50	1922.5	330.7	26.9	910.9	1922.5	330.7	26.9	910.9
	55	1795.7	308.9	23.7	1002.0	1795.7	308.9	23.7	1002.0
-5	35	1622.5	279.1	19.7	637.6	1622.5	279.1	19.7	637.6
	40	1566.8	269.5	18.5	728.7	1566.8	269.5	18.5	728.7
	45	1512.6	260.2	17.4	819.8	1512.6	260.2	17.4	819.8
	50	1457.0	250.6	16.2	910.9	1457.0	250.6	16.2	910.9
	55	1344.1	231.2	14.0	1002.0	1344.1	231.2	14.0	1002.0
-10	35	1382.7	237.8	14.7	637.6	1382.7	237.8	14.7	637.6
	40	1316.2	226.4	13.5	728.7	1316.2	226.4	13.5	728.7
	45	1251.3	215.2	12.3	819.8	1251.3	215.2	12.3	819.8
	50	1184.7	203.8	11.1	910.9	1184.7	203.8	11.1	910.9

ABTW: Evaporator Air Inlet Temperature (ºC)
HOT: Heated Water outlet Temperature (ºC)
HCAP: Heating Capacity (kW)
HFR: Heated Water Flow Rate at ΔT=5ºC (m^3/h)
CPD: Water Cooler Pressure Drop (kPa)
IPT: Input power (kW)
1kW= 860 kcal/h
1kW=3412 Btu/h
1kPa=0.102 mAq

4.3 Chiller Pressure drop calculation

Formula: $CPD = \alpha * CFR^{\beta}$

CPD: Chiller Pressure Drop (kPa)

CFR: Chilled water flow rate (m^3/h)

RCME-AH2	α	β
60 HP	0.0405	1.8141
70 HP	0.0306	1.8211
80 HP	0.0306	1.8211
90 HP	0.0306	1.8211
120 HP	0.0405	1.8211
140 HP	0.0306	1.8211

RHME-AH2	α	β
60 HP	0.0306	1.8211
70 HP	0.0306	1.8211
80 HP	0.0242	1.8320
90 HP	0.0242	1.8320
120 HP	0.0306	1.8211
140 HP	0.0306	1.8211

NOTE

In case of 120HP and 140HP, the Chilled Water Flow Rate (CFR) used for the calculation of the Chiller Pressure Drop (CPD) shall be half, because these modules have 2 Evaporators assembled in parallel.

Example

3x RCME-60AH2 + 1x RCME-70AH2

	CFR (m^3/h)	α	β	CPD (kPa)
In case of RCME-60AH2	27.5	0.0405	1.8141	$0.0405 * 27.5^{1.8141} = 16.6$
In case of RCME-70AH2	31.0	0.0306	1.8211	$0.0306 * 31.0^{1.8211} = 15.9$
Total pressure drop:		$\frac{(3 \times 16.6) + (1 \times 15.9)}{4}$		= 16.4 kPa

4.4 Brine application option

4.4.1 Application in low ambient temperature

There are cases in which the unit and the piping may be exposed to freezing damage during shutdown periods, if the ambient temperature becomes too low in winter.

Pump operation is an effective measure to prevent freezing. This Chiller has a pump ON/OFF operation control to prevent freezing. This control becomes available by connecting the Pump Operation circuit.
(See chapter *"6.2.4 Customer wiring of control circuit"*).

Additionally, an antifreeze mixture of ethylene or propylene glycol may be used in cases in which water pumping may not be sufficient to prevent freezing.

The following table shows the percentage of glycol suggested for different temperature values.

The table also includes correction factors, since the performance in units with antifreeze mixture is slightly different compared to those with no glycol.

Ethylene glycol (Water Outlet Temperature: ≥ +5 °C)					
Minimum Ambient Temperature	°C	-3	-7	-13	-22
Required Ethylene Glycol Percentage	wt%	10	20	30	40
Cooling Capacity Correction Factor (CCAP)	Kc	0.99	0.98	0.97	0.96
Input Power Correction Factor (IPT)	Ki	1.00	0.99	0.99	0.98
Flow Rate Correction Factor (CFR)	Kf	1.00	1.01	1.04	1.08
Pressure Drop Correction Factor (CPD)	Kp	1.04	1.11	1.18	1.29

Propylene glycol (Water Outlet Temperature: ≥ +5 °C)					
Minimum Ambient Temperature	°C	-3	-6	-11	-19
Required Ethylene Glycol Percentage	wt%	10	20	30	40
Cooling Capacity Correction Factor (CCAP)	Kc	0.99	0.98	0.97	0.96
Input Power Correction Factor (IPT)	Ki	1.00	0.99	0.99	0.98
Flow Rate Correction Factor (CFR)	Kf	1.00	1.01	1.04	1.08
Pressure Drop Correction Factor (CPD)	Kp	1.04	1.10	1.17	1.26

Example:

- Cooling Capacity with ethylene glycol = Kc × Cooling Capacity without ethylene glycol
- Input Power, Flow Rate and Pressure Drop are calculated in the same way as Cooling Capacity

4.4.2 Low Water Temperature Application (Option)

The use of an antifreezing mixture of ethylene glycol is required when water temperature is lower than 5 ºC.

The low water temperature option is divided in several levels, depending on water outlet temperature. Therefore, please specify the level when ordering.

The freeze protection thermostat has been set in the factory.

The table shows the minimum percentage of ethylene glycol required for each level.

Low water temperature option

Category	Outlet Water Temperature (°C)	Required Ethylene Glycol (wt%)	Ethylene Glycol Freezing Temperature (°C)	Required Propylene Glycol (wt%)	Propylene Glycol Freezing Temperature (°C)
Low 1	0 ~ +5 ºC	20	-7	20	-6
Low 2	-5 ~ -0 ºC	30	-13	30	-11
Low 3	-10 ~ -5 ºC	40	-22	40	-19

For the performance, each value can be given by using following table. (See below example)

◆ Ethylene glycol

Ethylene glycol (wt%)	Chilled water outlet temp. (°C)	Flow rate correction factor (Kf)	Pressure drop correction factor (Kp)	Ambient Temperature (°C)											
				25		30		35		40		43		46	
				CAP (%)	IPT (%)	CAP (%)	IPT (%)	CAP (%)	IPT (%)	CAP (%)	IPT (%)	CAP (%)	IPT (%)	CAP (%)	IPT (%)
20	4	1.01	1.15	97	81	91	89	85	96	79	106	76	112	73	116
	3		1.16	94	81	88	89	83	96	77	105	74	111	70	115
	2		1.17	91	80	86	88	80	95	75	105	72	110	68	115
	1		1.18	89	80	84	88	78	95	73	104	70	110	66	114
	0		1.19	86	79	81	87	76	94	70	104	67	109	64	114
30	4	1.04	1.20	96	81	90	88	84	96	78	105	75	110	72	115
	3		1.22	93	80	88	88	82	95	76	104	73	110	70	114
	2		1.24	90	80	85	87	80	94	74	104	71	109	68	114
	1		1.26	88	79	83	87	77	94	72	103	69	109	66	113
	0		1.28	85	78	80	86	75	93	70	103	67	108	64	113
	-1		1.30	84	79	79	87	73	94	68	103	65	109	62	113
	-2		1.32	81	78	76	86	71	93	66	103	63	108	60	113
	-3		1.34	79	78	74	85	69	93	64	102	61	108	58	112
	-4		1.36	76	77	71	85	66	92	62	102	59	107	56	112
	-5		1.38	73	76	69	84	64	92	59	101	56	107	54	111
40	4	1.08	1.30	95	80	89	87	83	95	78	104	75	109	71	113
	3		1.32	92	79	87	87	81	94	75	103	73	109	69	113
	2		1.34	90	79	84	86	79	94	73	103	70	108	67	112
	1		1.36	87	78	82	86	76	93	71	102	68	108	65	112
	0		1.38	85	78	79	85	74	92	69	102	66	107	63	111
	-1		1.40	83	78	78	86	73	93	67	102	65	108	61	112
	-2		1.42	80	77	75	85	70	92	65	102	62	107	59	112
	-3		1.44	78	77	73	85	68	92	63	101	60	107	57	111
	-4		1.46	75	76	70	84	66	91	61	101	58	106	55	111
	-5		1.48	73	76	68	84	63	91	59	100	56	106	53	110
	-6		1.50	71	76	66	84	62	91	57	101	54	106	52	111
	-7		1.52	68	75	64	83	59	91	55	100	52	106	49	110
	-8		1.54	66	75	61	83	57	90	53	99	50	105	47	110
	-9		1.56	63	74	59	82	55	90	50	99	48	105	45	109
	-10		1.58	61	74	56	82	52	89	48	98	45	104	43	109

NOTE

- *CAP: Cooling Capacity, IPT: Input*
- *The percentages are applied to the Capacity and Input at nominal data. Capacity and input ratio shall be applied to the Capacity and input figures at standard condition:*
  - *Ambient temperature: 35°C*
  - *Chilled water outlet temperature: 12/7°C*
- *Water flow rate and pressure drop can be calculated by the Correction Factor Kf and Kp..*

◆ Propylene glycol

Propylene glycol (wt%)	Chilled water outlet temp. (°C)	Flow rate correction factor (Kf)	Pressure drop correction factor (Kp)	Ambient Temperature (°C)											
				25		30		35		40		43		46	
				CAP (%)	IPT (%)	CAP (%)	IPT (%)	CAP (%)	IPT (%)	CAP (%)	IPT (%)	CAP (%)	IPT (%)	CAP (%)	IPT (%)
20	4	1.01	1.15	94	81	88	89	83	96	77	105	74	111	70	115
	3		1.16	91	80	86	88	80	95	75	105	72	110	68	115
	2		1.17	89	80	84	88	78	95	73	104	70	110	66	114
	1		1.18	86	79	81	87	76	94	70	104	67	109	64	114
	0		1.19	84	79	79	87	73	94	68	103	65	109	62	113
30	4	1.04	1.20	93	80	88	88	82	95	76	104	73	110	70	114
	3		1.22	90	80	85	87	80	94	74	104	71	109	68	114
	2		1.24	88	79	83	87	77	94	72	103	69	109	66	113
	1		1.26	85	78	80	86	75	93	70	103	67	108	64	113
	0		1.28	84	79	79	87	73	94	68	103	65	109	62	113
	-1		1.30	81	78	76	86	71	93	66	103	63	108	60	113
	-2		1.32	79	78	74	85	69	93	64	102	61	108	58	112
	-3		1.34	76	77	71	85	66	92	62	102	59	107	56	112
	-4		1.36	73	76	69	84	64	92	59	101	56	107	54	111
	-5		1.38	71	76	66	84	62	91	57	101	54	106	52	111
40	4	1.08	1.30	92	79	87	87	81	94	75	103	73	109	69	113
	3		1.32	90	79	84	86	79	94	73	103	70	108	67	112
	2		1.34	87	78	82	86	76	93	71	102	68	108	65	112
	1		1.36	85	78	79	85	74	92	69	102	66	107	63	111
	0		1.38	83	78	78	86	73	93	67	102	65	108	61	112
	-1		1.40	80	77	75	85	70	92	65	102	62	107	59	112
	-2		1.42	78	77	73	85	68	92	63	101	60	107	57	111
	-3		1.44	75	76	70	84	66	91	61	101	58	106	55	111
	-4		1.46	73	76	68	84	63	91	59	100	56	106	53	110
	-5		1.48	71	76	66	84	62	91	57	101	54	106	52	111
	-6		1.50	68	75	64	83	59	91	55	100	52	106	49	110
	-7		1.52	66	75	61	83	57	90	53	99	50	105	47	110
	-8		1.54	63	74	59	82	55	90	50	99	48	105	45	109
	-9		1.56	61	74	56	82	52	89	48	98	45	104	43	109
	-10		1.58	58	73	54	81	50	89	46	98	43	104	41	108

NOTE

- *CAP: Cooling Capacity, IPT: Input*
- *The percentages are applied to the Capacity and Input at nominal data. Capacity and input ratio shall be applied to the Capacity and input figures at standard condition:*
  - *Ambient temperature: 35°C*
  - *Chilled water outlet temperature: 12/7°C*
- *Water flow rate and pressure drop can be calculated by the Correction Factor Kf and Kp.*

5. Working range

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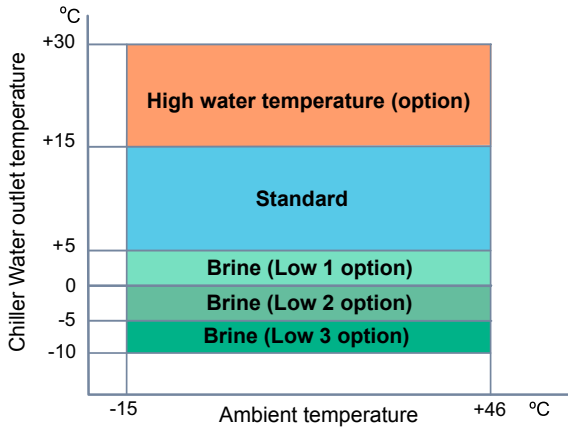
5.1 Air-cooled water chiller units RCME-AH2 working range

Item		Description
Power Supply	Working Voltage	90%~110% of nominal electrical power supply voltage
	Voltage Imbalance	Up to 3% of each phase, measured at compressor terminals
	Starting Voltage	Always higher than 85% of the nominal voltage
Chilled water outlet temperature	Standard	+5 ~ +15ºC
	Low 1 option (2)	0 ~ +5ºC
	Low 2 option (2)	-5 ~ 0ºC
	Low 3 option (2)	-10 ~ -5ºC
	High (option)	+15 ~ +30ºC
Ambient Temperature		-15 ~ +46ºC
Maximum Permissible Water Pressure		1.0 MPa
Humidity		≤ 50% at 40°C (1)
Altitude		≤ 1000 m (1)

(1) Minimum working range requirements according to EN60204-1. Higher relative humidities are permitted at lower temperature (for example 90 % at 20ºC). In case of different working range conditions, ask conformity to HITACHI Distributor.
(2) Low water temperature option requires Brine (antifreeze mixture of ethylene glycol type or propylene glycol type).

Cooling operation

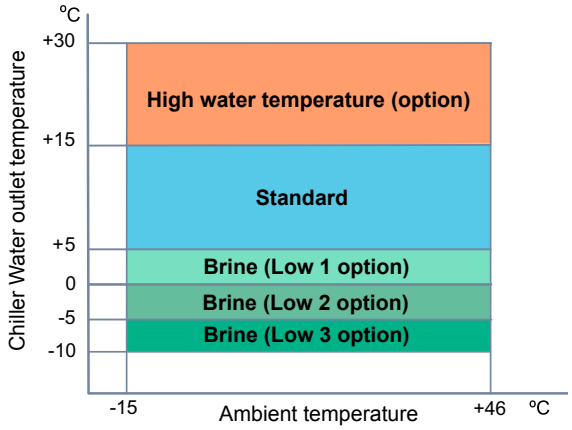


5.2 Air to water heat pump units RHME-AH2 working range

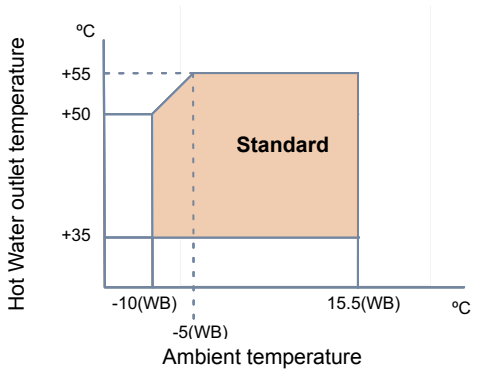
Item		Description
Power Supply	Working Voltage	90%~110% of nominal electrical power supply voltage
	Voltage Imbalance	Up to 3% of each phase, measured at compressor terminals
	Starting Voltage	Always higher than 85% of the nominal voltage
Chilled water outlet temperature	Standard	+5 ~ +15ºC
	Low 1 option (2)	0 ~ +5ºC
	Low 2 option (2)	-5 ~ 0ºC
	Low 3 option (2)	-10 ~ -5ºC
	High (option)	+15 ~ +30ºC
Heated Water Outlet Temperature		+35 ~ +55ºC
Ambient Temperature	Cooling	-15 ~ +46
	Heating	-9.5 (DB) , -10 (WB) ~ +21 (DB) , +15.5 (WB)
Maximum Permissible Water Pressure		1.0 MPa
Humidity		≤ 50% at 40°C (1)
Altitude		≤ 1000 m (1)

(1) Minimum working range requirements according to EN60204-1. Higher relative humidities are permitted at lower temperature (for example 90% at 20ºC). In case of different working range conditions, ask conformity to HITACHI Distributor.
(2) Low water temperature option requires Brine (antifreeze mixture of ethylene glycol type or propylene glycol type)

Cooling operation



Heating operation



6. Drawings

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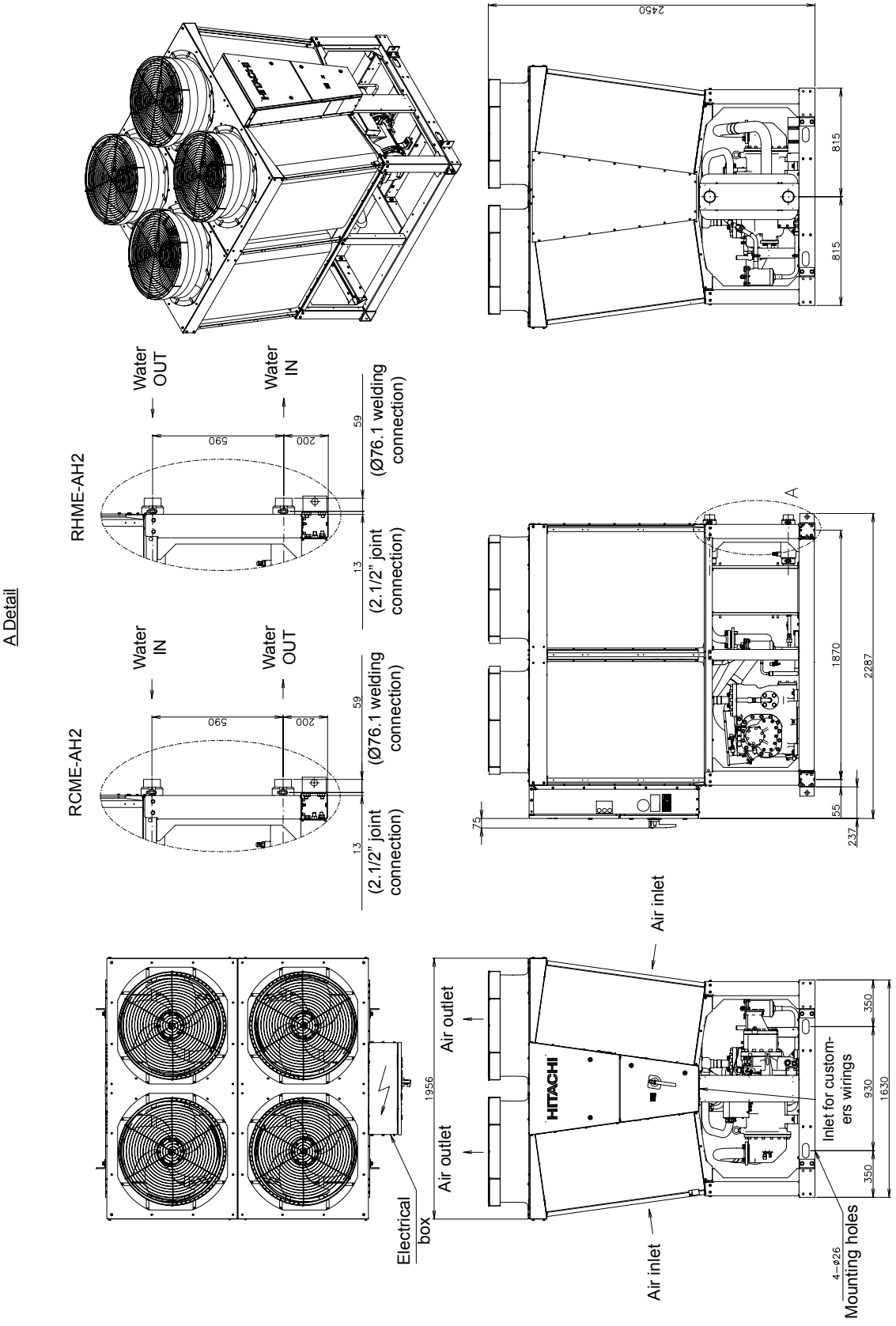
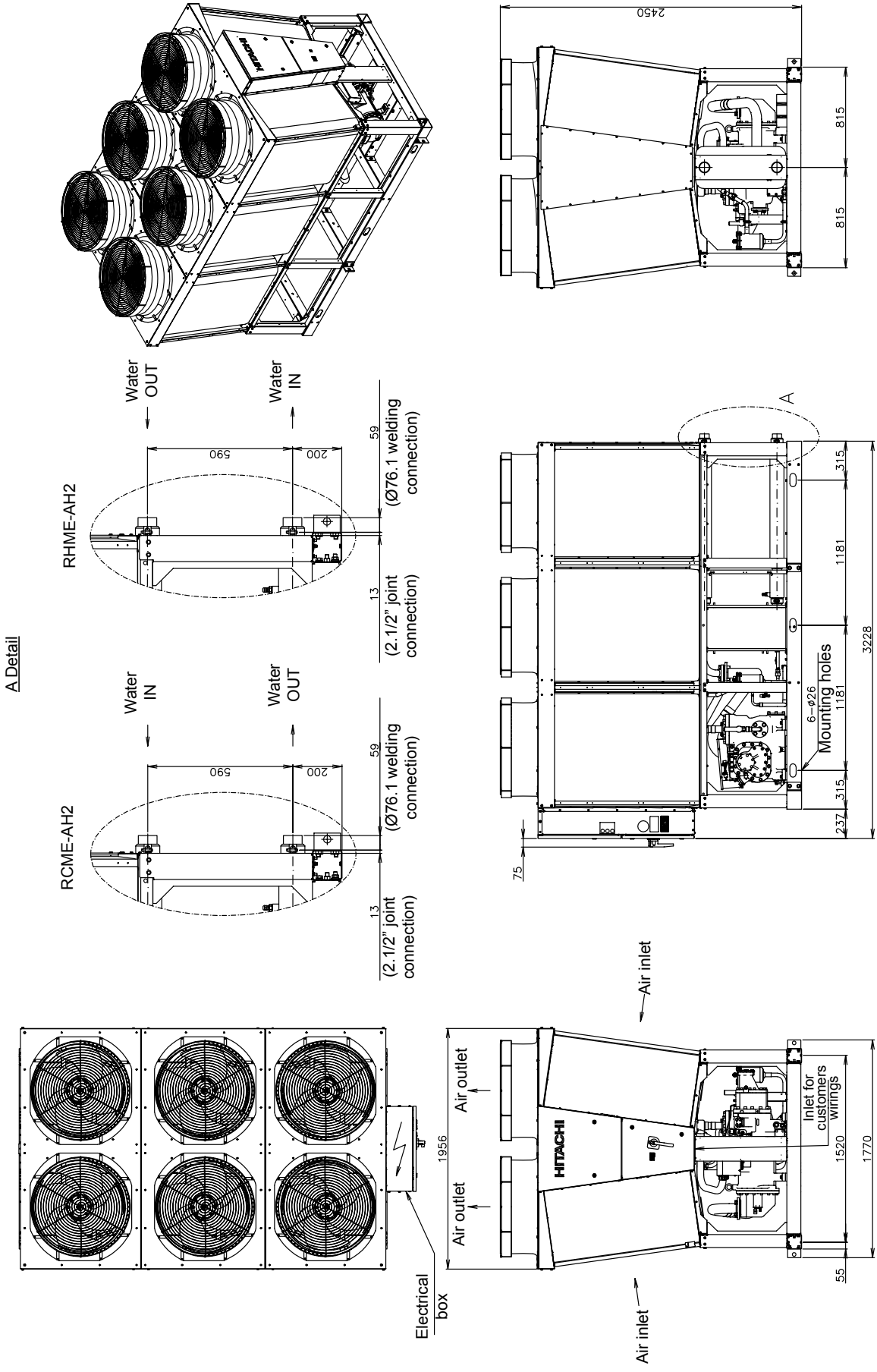
6.1 Dimensional Drawing

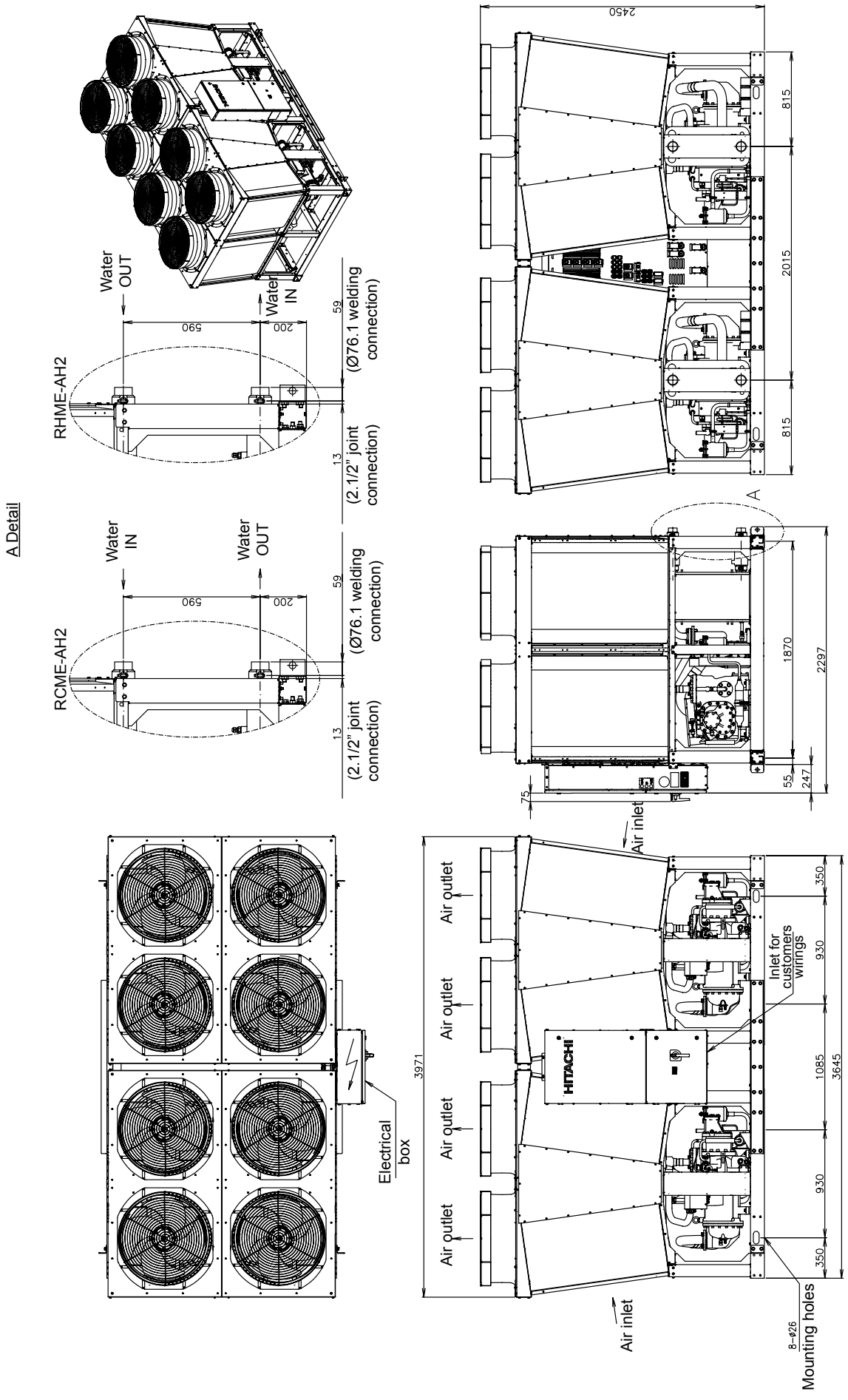
6.1.1 R(C/H)ME-(60-70)AH2



6.1.2 R(C/H)ME-(80-90)AH2



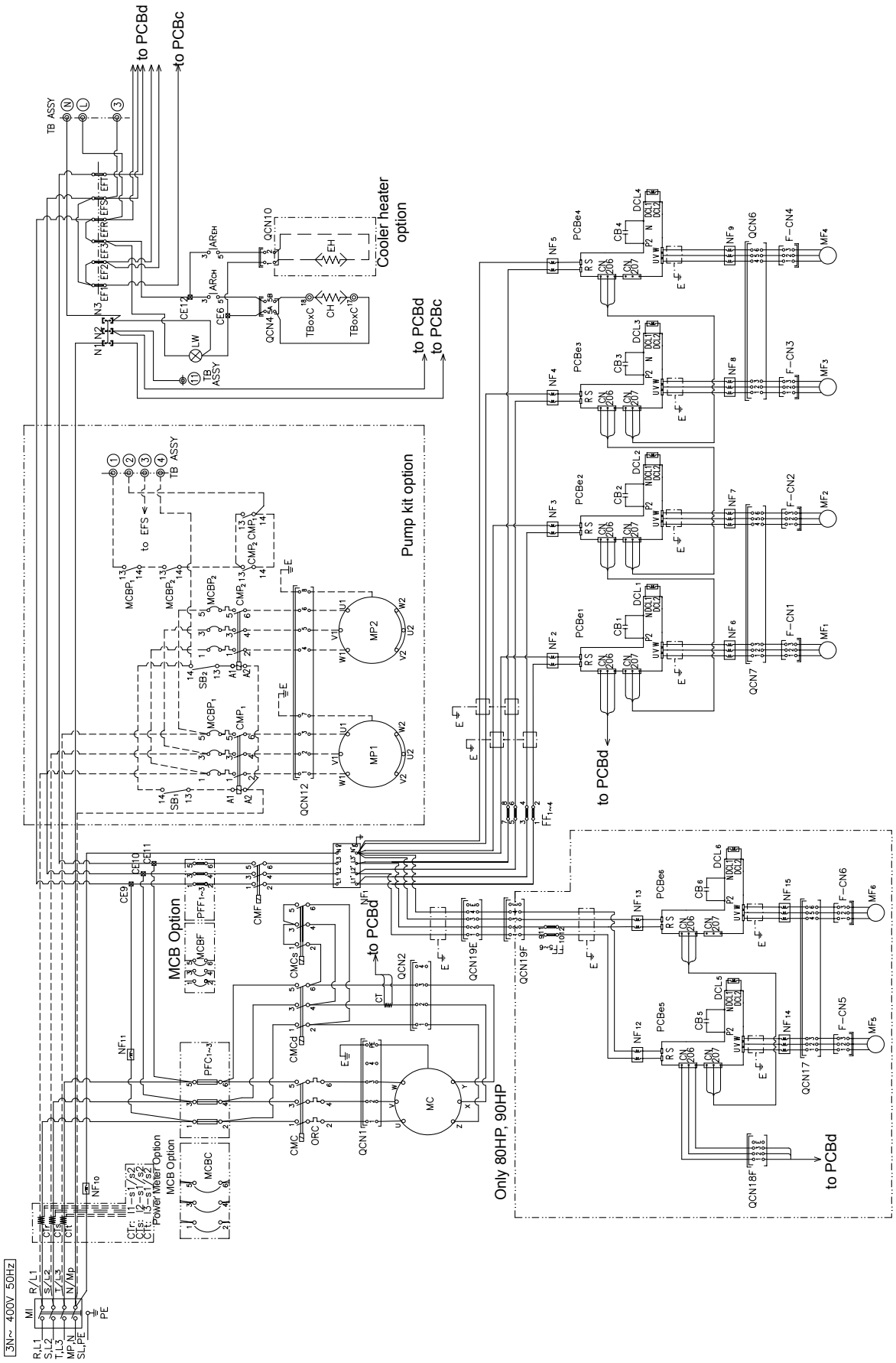
6.1.3 R(C/H)ME-(120-140)AH2



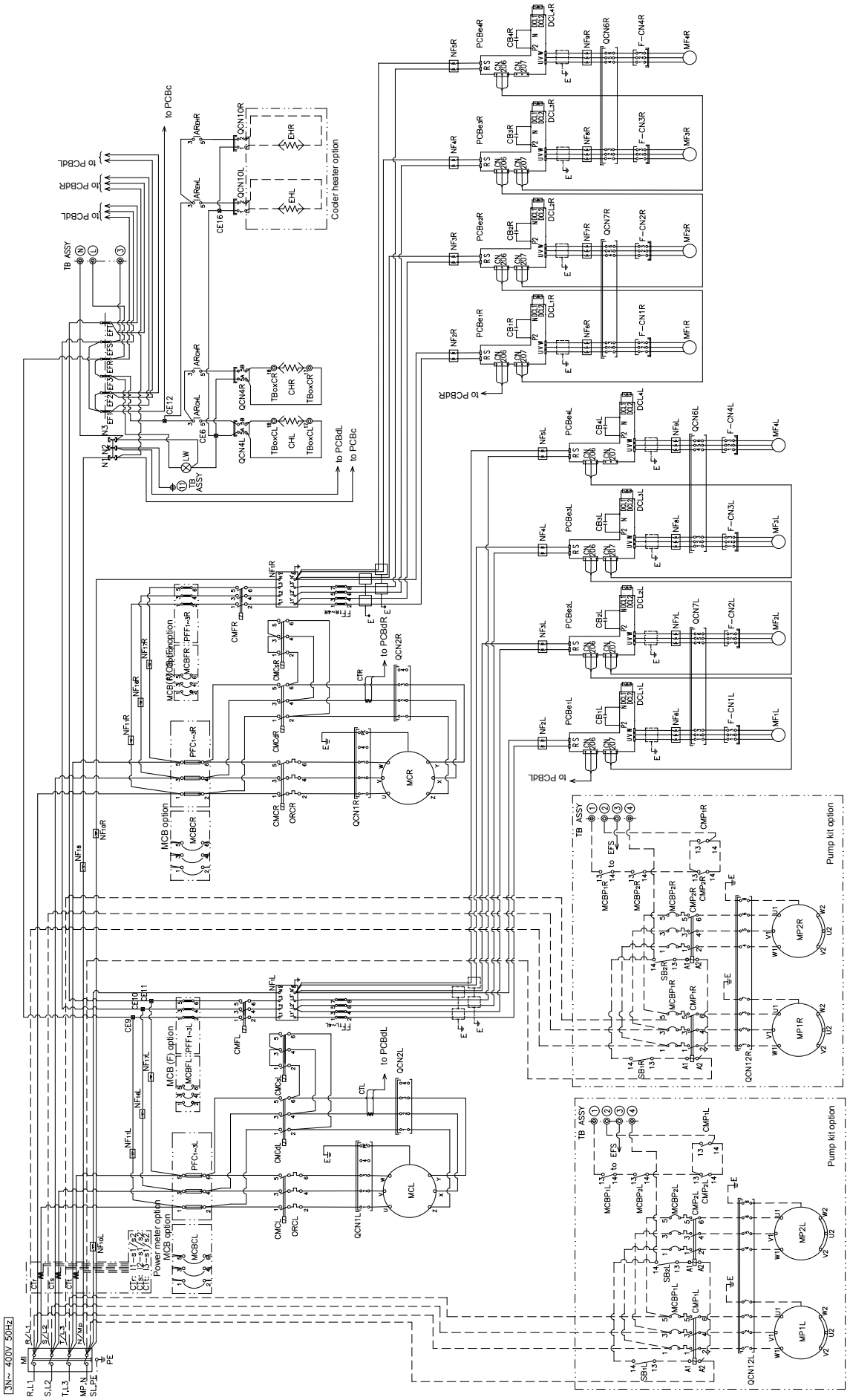
6.2 Wiring Diagram

6.2.1 Power circuit

◆ R(C/H)ME-(60-90)AH2

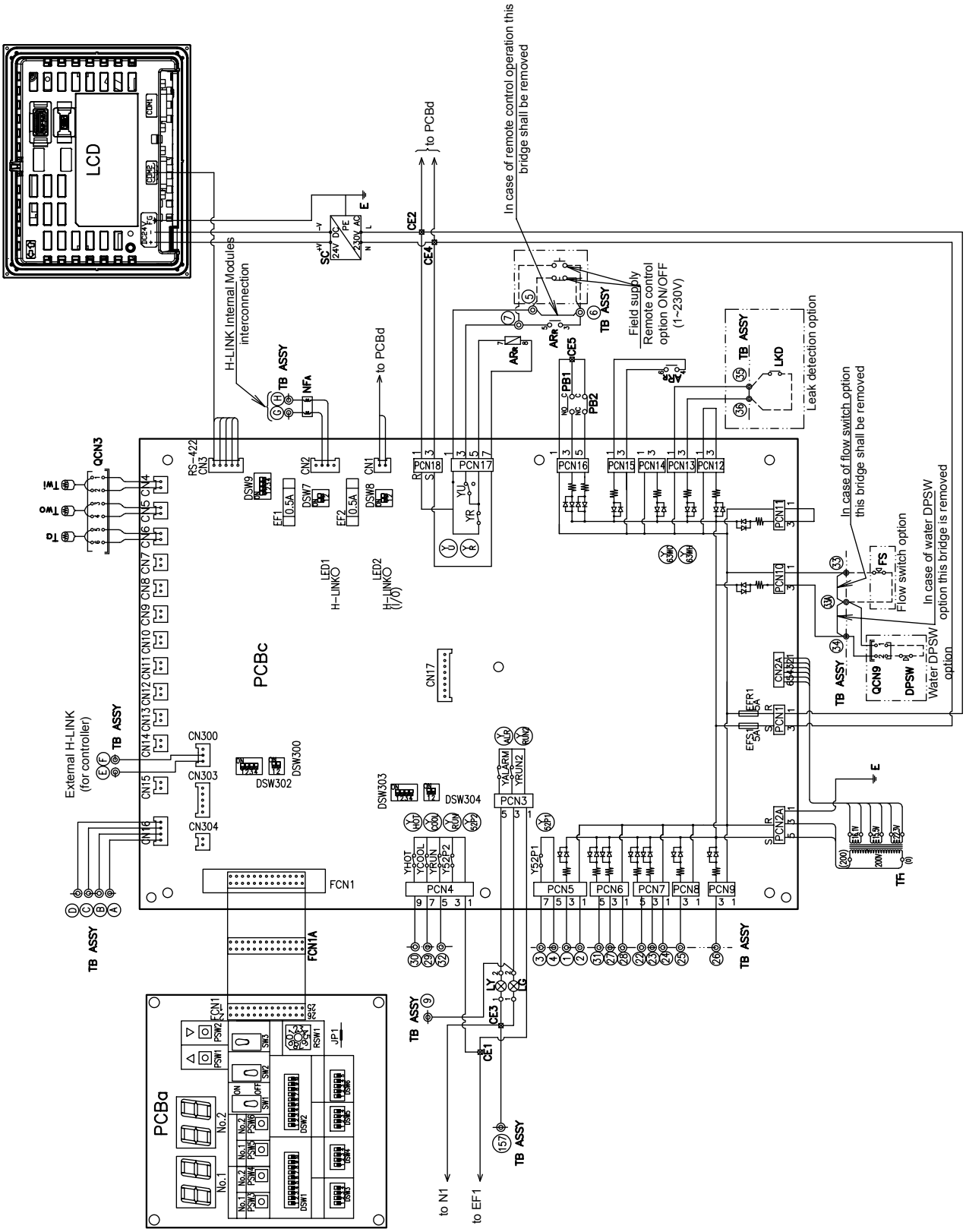


◆ R(C/H)ME-(120-140)AH2



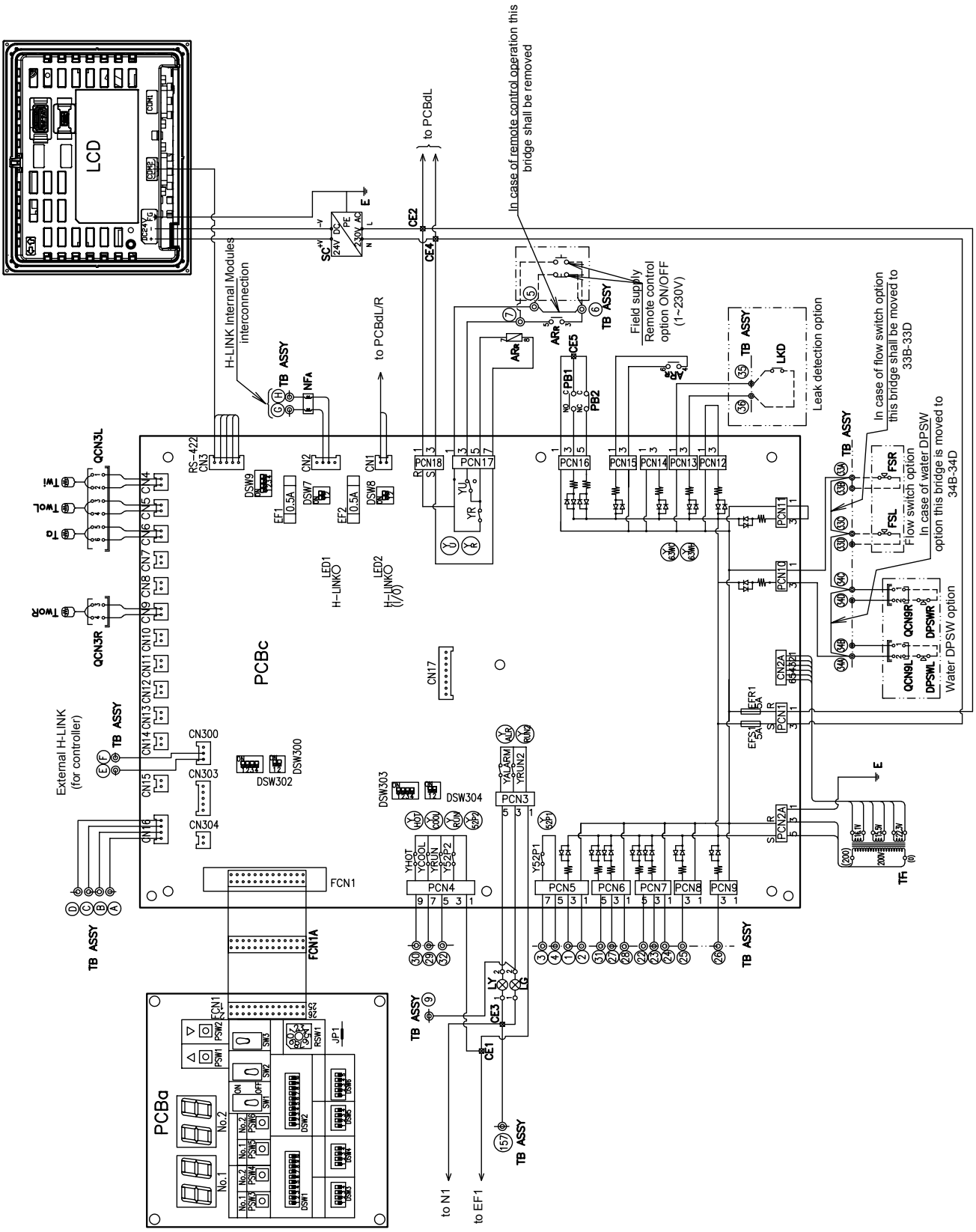
6.2.2 Control circuit

◆ R(C/H)ME-(60-90)AH2



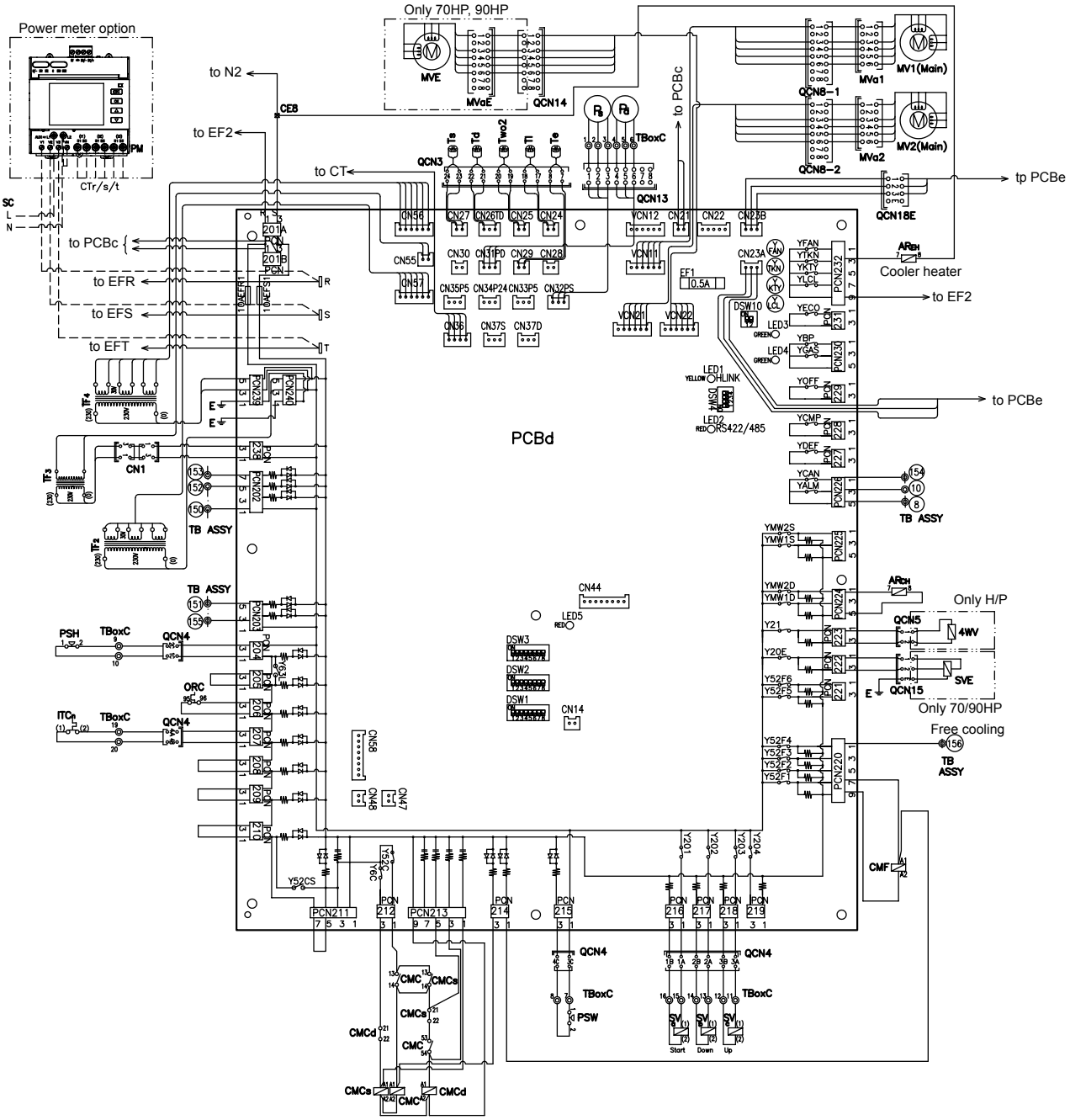
6

◆ R(C/H)ME-(120-140)AH2

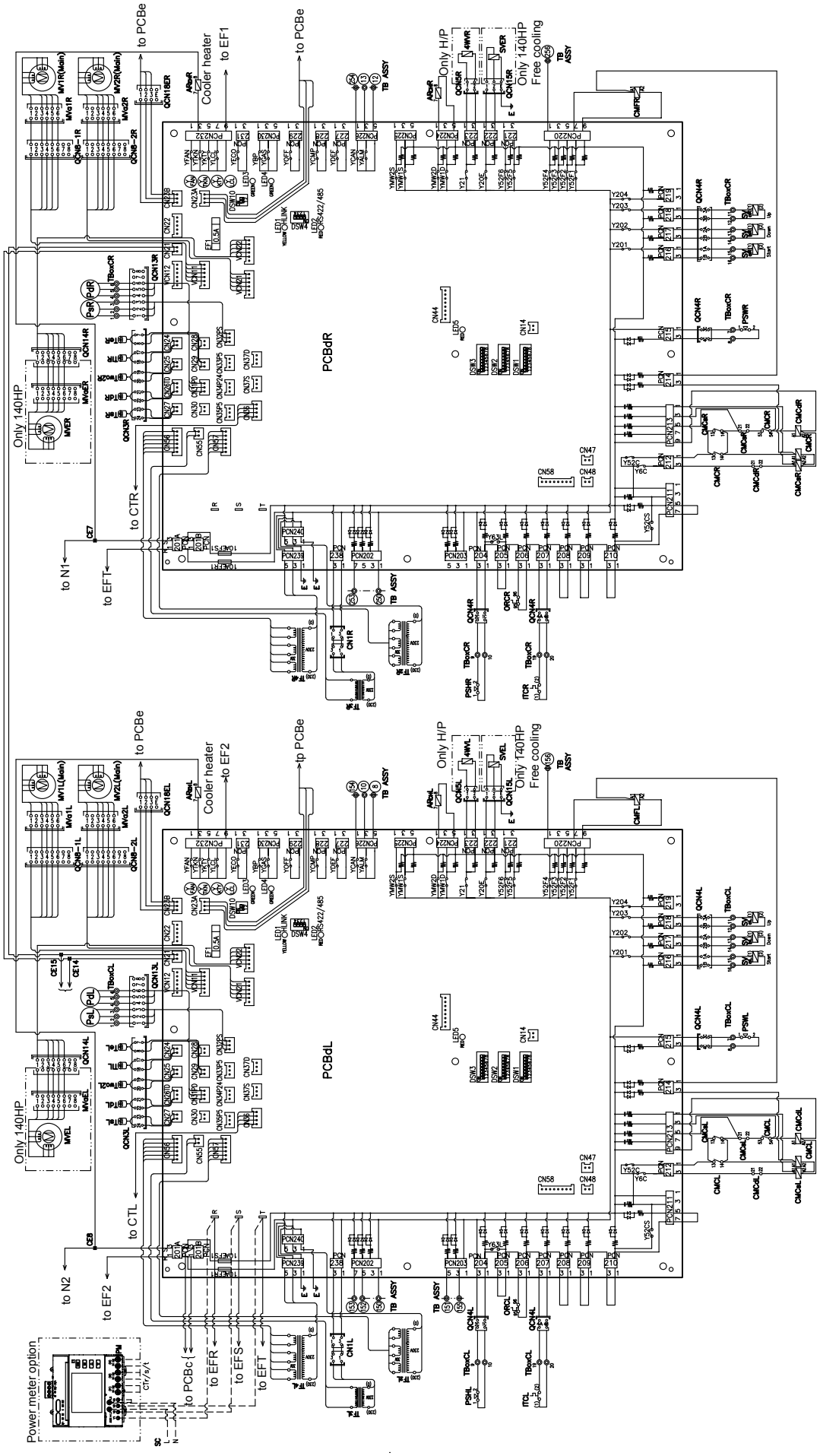


6.2.3 I/O Circuit

◆ R(C/H)ME-(60-90)AH2

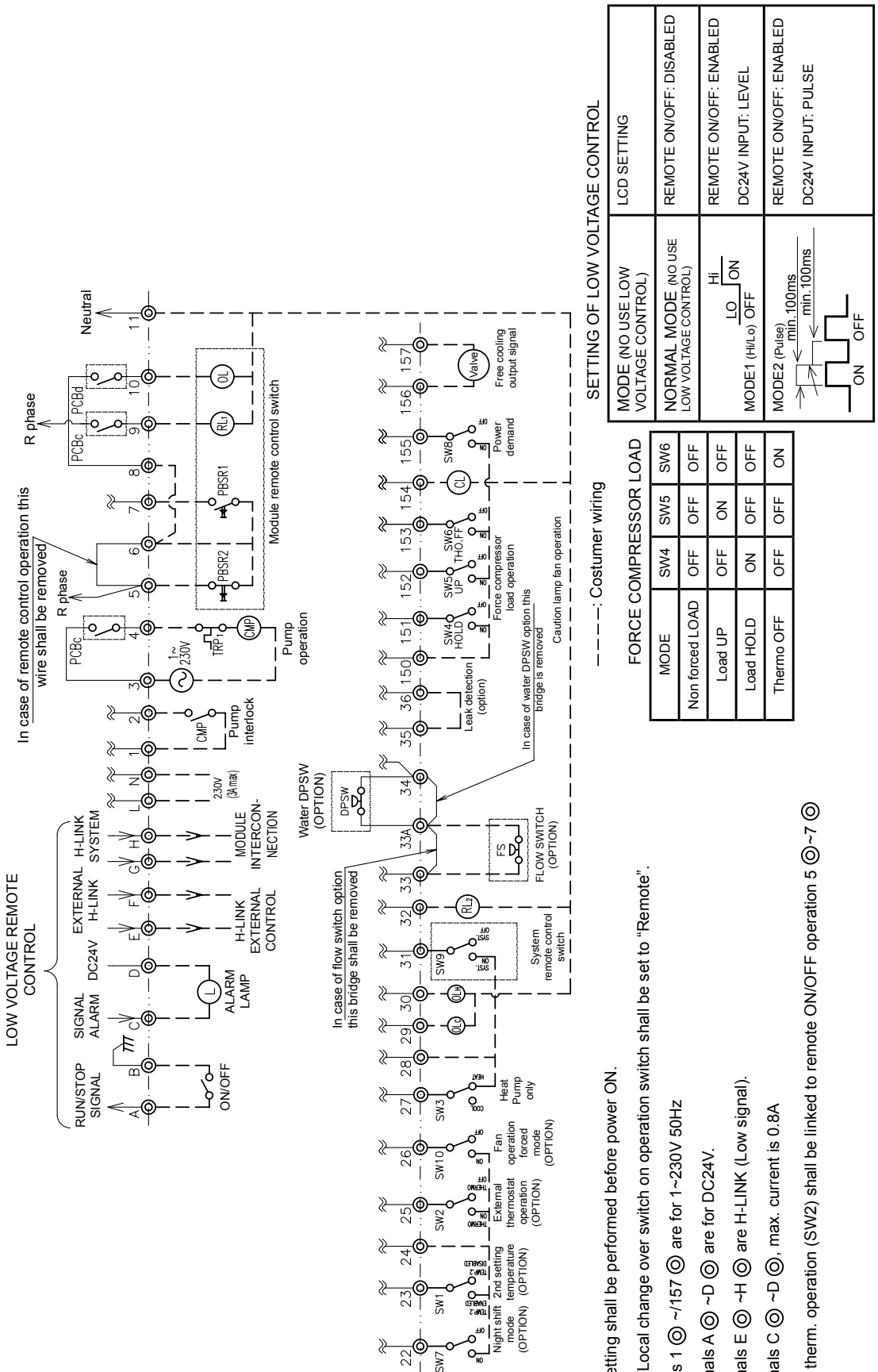


◆ R(C/H)ME-(120-140)AH2



6.2.4 Customer wiring of control circuit

◆ R(C/H)ME-(60-90)AH2



SETTING OF LOW VOLTAGE CONTROL

MODE (NO USE LOW VOLTAGE CONTROL)	LCD SETTING
NORMAL MODE (NO USE LOW VOLTAGE CONTROL)	REMOTE ON/OFF: DISABLED
MODE1 (Hi/Lo) Hi / LO ON / OFF	REMOTE ON/OFF: ENABLED DC24V INPUT: LEVEL
MODE2 (Pulse) min.100ms min.100ms ON OFF	REMOTE ON/OFF: ENABLED DC24V INPUT: PULSE

FORCE COMPRESSOR LOAD

MODE	SW4	SW5	SW6
Non forced LOAD	OFF	OFF	OFF
Load UP	OFF	ON	OFF
Load HOLD	ON	OFF	OFF
Thermo OFF	OFF	OFF	ON

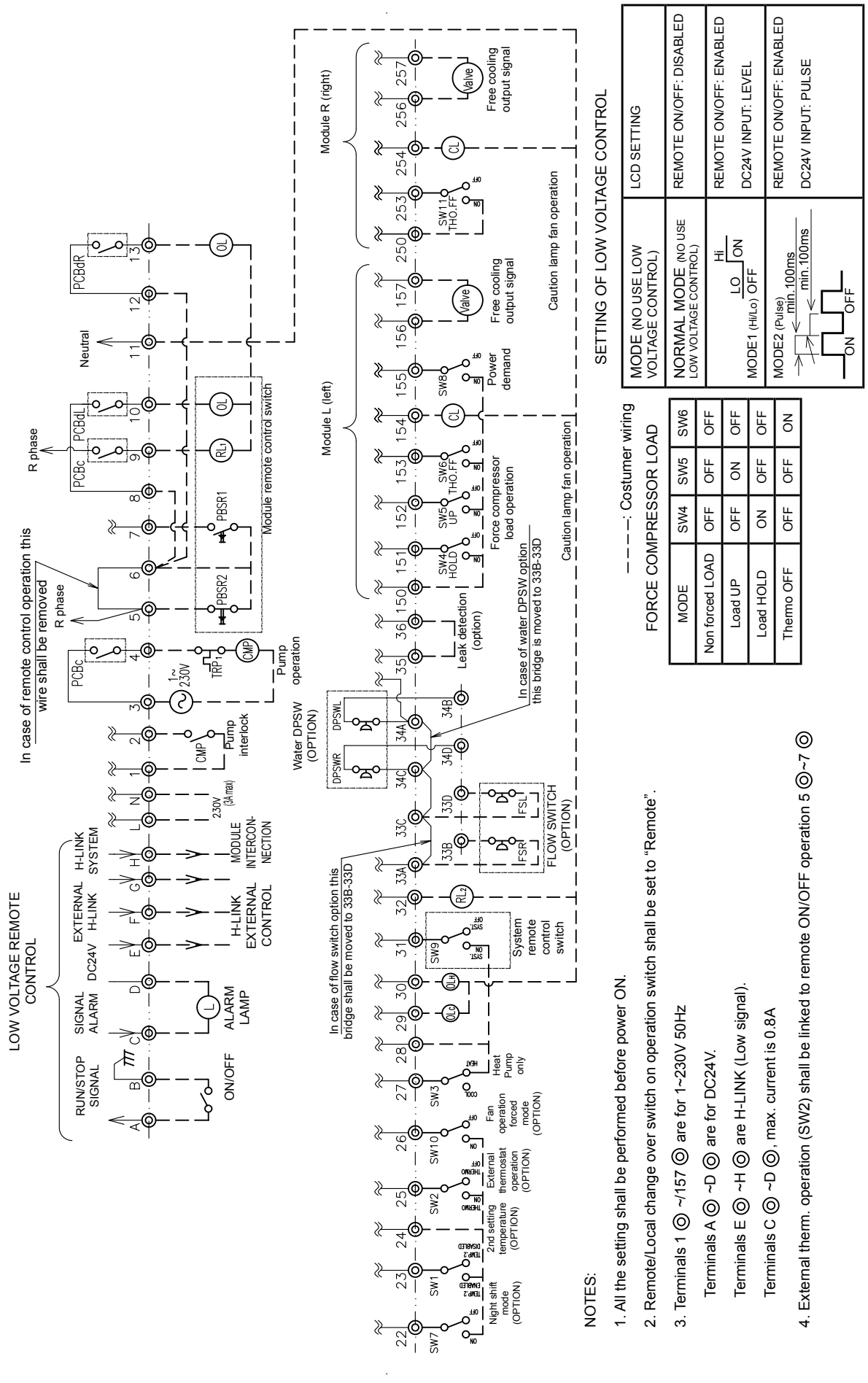
– – – –: Costumer wiring

NOTES:

1. All the setting shall be performed before power ON.
2. Remote/Local change over switch on operation switch shall be set to “Remote”.
3. Terminals 1 ⓪ ~/157 ⓪ are for 1~230V 50Hz
   Terminals A ⓪ ~D ⓪ are for DC24V.
   Terminals E ⓪ ~H ⓪ are H-LINK (Low signal).
   Terminals C ⓪ ~D ⓪, max. current is 0.8A
4. External therm. operation (SW2) shall be linked to remote ON/OFF operation 5 ⓪~7 ⓪

6

◆ R(C/H)ME-(120-140)AH2



SETTING OF LOW VOLTAGE CONTROL

MODE (NO USE LOW VOLTAGE CONTROL)	LCD SETTING
NORMAL MODE (NO USE LOW VOLTAGE CONTROL)	REMOTE ON/OFF: DISABLED
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MODE2 (Pulse)	REMOTE ON/OFF: ENABLED DC24V INPUT: PULSE

– – – –: Costumer wiring

FORCE COMPRESSOR LOAD

MODE	SW4	SW5	SW6
Non forced LOAD	OFF	OFF	OFF
Load UP	OFF	ON	OFF
Load HOLD	ON	OFF	OFF
Thermo OFF	OFF	OFF	ON

NOTES:

1. All the setting shall be performed before power ON.
2. Remote/Local change over switch on operation switch shall be set to “Remote”.
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   Terminals A ⓪ ~D ⓪ are for DC24V.
   Terminals E ⓪ ~H ⓪ are H-LINK (Low signal).
   Terminals C ⓪ ~D ⓪, max. current is 0.8A
4. External therm. operation (SW2) shall be linked to remote ON/OFF operation 5 ⓪~7 ⓪

6.2.5 Parts list

◆ **R(C/H)ME-(60-90)AH2**

Mark	Name
4WV	4-Way Valve Coil (only Heat Pump units)
ARR,EH,CH	Auxiliary Relays: Remote control, compressor and evaporator heaters
CB_{1-6}	Fan Capacitor
CH	Crankcase Heater on Compressor
$CE_{1~6,8~13}$	Connectors
CL	Pilot Lamp for caution signal (from Fans)
CMC	Direct Contactor Motor Compressor
CMCd,s	Delta/Star Contactor Motor Compressor
CMF	Contactor Motor Fan
$CMP_{1,2}$	Contactors for Pumps (Optional)
$CN_{1,2}$	Connector
CT	Current Transformer (sensor)
CTr,s,t	Current Transformer (Optional)
$DCL_{1~6}$	Fan Reactor
DPSW	Differential Water Pressure Switch (Optional)
E	Earth connection point
EBOX	Electrical Box in Chiller
$EF_{1~3,R,S,T}$	Electric Fuse (6A)
EH	Electric Heater on Cooler
EHP	Electric Heater for Pump Circuit
FBOX	Fan Box in Chiller (only 80HP, 90HP)
$FF_{1~6}$	Fan Fuses (DC Fans) 20A
FS	Flow Switch (Optional)
$F\text{-}CN_{1~6}$	Fan Connectors
$H\text{-}LINK_{EXT.}$	PCB for controller
$H\text{-}LINK_{SYST.}$	PCB for Modules interconnection
ITC	Internal Thermostat on Compressor
LCD	Liquid Cristal Display
LKD	Leak Detection (Optional)
LY	Yellow Lamp Alarm Indicator
LG	Green Lamp Compressor Operation Indicator
LW	White Lamp Power Supply Indicator
MC	Motor Compressor
MCBC	Magnetic Circuit Breaker for Compressor (Optional)
MCBF	Magnetic Circuit Breaker for Fans (Optional)
$MCBP_{1,2}$	Magnetic Circuit Breaker for Pumps (Optional)
$MF_{1~6}$	Motor Fan (DC)
MI	Main Interruptor (Switch)

Mark	Name
$MP_{1,2}$	Motor Pumps (Opt)
$MV_{1,2,E}$	Electronic Expansion Valve main and economizer
MVa1,a2,aE	Expansion Valve connector
$N_{1,2,3}$	Neutral terminals
NF_{1}	Noise Filter PCB
$NF_{2\sim15,A}$	Ring Cores Noise Filters
OL	Pilot Lamp for Remote Indication (Alarm)
ORC	Overcurrent Relay Compressor
$PB_{1,2}$	Push button for local ON/OFF (White/Black)
$PBSR_{1}$	Push Button Switch for Starting (REMOTE)
$PBSR_{2}$	Push Button Switch for Stoppage (REMOTE)
PCBa,c,d	Printed Circuit Board (setting, main, cycle)
$PCBe_{1\sim6}$	Fan Module PCB
Pd/Ps	Discharge/Suction pressure sensor
PE	Earth line connection point of the unit
$PFC_{1\sim3}$	Protection Fuse for Compressor
$PFF_{1\sim3}$	Protection Fuse for Fan
PM	Power Meter (Optional)
PSH	High Pressure Switch
PSW	Pressure Switch for Economizer
QCN_{i}	Quick Connector (i=1~7,8~1~8-2,9,10,12~15,17,18E,18F,19E.19F)
$RL_{1,2}$	Pilot Lamp for Remote Indication (Unit Operation)
$SB_{1,2}$	Pump Switches buttons (Optional)
SC	Source Converter AC/DC
SVE	Solenoid Valve for Economizer
$SW_{1\sim10}$	Switch
Ta	Thermistors ambient
TB ASSY	Terminal Board Assy
TBoxC	Terminal Board on Compressor Terminal Box
$TBOX_{1,2}$	Terminal Box for Fan Motor connections
Te	Thermistor before Expansion Valve
$TF_{1\sim4}$	Transformer
TI	Liquid Thermistor
TRP_{1}	Thermal Relay for Pump
Ts,Td	Suction / Discharge Thermistor
Twi	Thermistors water inlet
Two1	Thermistors water outlet
Two2	Water Temperature in evaporator backside
WPh	Water Pressure Switch, Water Flow Switch
-·-·-	Shielded connection for shielded wiring
----	Options wiring

◆ R(C/H)ME-(120-140)AH2

Mark	Name
4WV	4-Way Valve Coil (only Heat Pump units)
ARR,EH,CH	Auxiliary Relays: Remote control, compressor and evaporator heaters
CB_{1-4}	Fan Capacitor
CH	Crankcase Heater on Compressor
$CE_{1~16}$	Connectors
CL	Pilot Lamp for caution signal (from Fans)
CMC	Direct Contactor Motor Compressor
CMCd,s	Delta/Star Contactor Motor Compressor
CMF	Contactor Motor Fan
$CMP_{1,2}$	Contactors for Pumps (Optional)
$CN_{1,2}$	Connector
CT	Current Transformer (sensor)
CTr,s,t	Current Transformer (Optional)
$DCL_{1~4}$	Fan Reactor
DPSW	Differential Water Pressure Switch (Optional)
E	Earth connection point
EBOX	Electrical Box in Chiller
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EHP	Electric Heater for Pump Circuit
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FS	Flow Switch (Optional)
$F\text{-}CN_{1~4}$	Fan Connectors
$H\text{-}LINK_{EXT.}$	PCB for controller
$H\text{-}LINK_{SYST.}$	PCB for Modules interconnection
ITC	Internal Thermostat on Compressor
LCD	Liquid Cristal Display
LKD	Leak Detection (Optional)
LY	Yellow Lamp Alarm Indicator
LG	Green Lamp Compressor Operation Indicator
LW	White Lamp Power Supply Indicator
MC	Motor Compressor
MCBC	Magnetic Circuit Breaker for Compressor (Optional)
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MI	Main Interruptor (Switch)

Mark	Name
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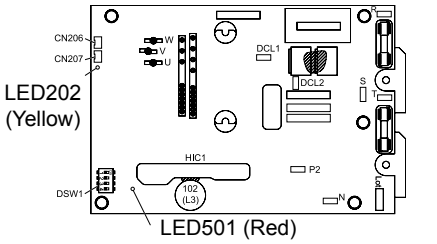
MVa1,a2,aE	Expansion Valve connector
$N_{1,2,3}$	Neutral terminals
NF_{1}	Noise Filter PCB
$NF_{2\sim15,A}$	Ring Cores Noise Filters
OL	Pilot Lamp for Remote Indication (Alarm)
ORC	Overcurrent Relay Compressor
$PB_{1,2}$	Push button for local ON/OFF (White/Black)
$PBSR_{1}$	Push Button Switch for Starting (REMOTE)
$PBSR_{2}$	Push Button Switch for Stoppage (REMOTE)
PCBa,c,d	Printed Circuit Board (setting, main, cycle)
$PCBe_{1\sim4}$	Fan Module PCB
Pd/Ps	Discharge/Suction pressure sensor
PE	Earth line connection point of the unit
$PFC_{1\sim3}$	Protection Fuse for Compressor
$PFF_{1\sim3}$	Protection Fuse for Fan
PM	Power Meter (Optional)
PSH	High Pressure Switch
PSW	Pressure Switch for Economizer
QCN_{i}	Quick Connector (i=1~7,8~1~8-2,9,10,12~15,17,18E,18F,19E.19F)

Mark	Name
$RL_{1,2}$	Pilot Lamp for Remote Indication (Unit Operation)
$SB_{1,2}$	Pump Switches buttons (Optional)
SC	Source Converter AC/DC
SVE	Solenoid Valve for Economizer
$SW_{1\sim11}$	Switch
Ta	Thermistors ambient
TB ASSY	Terminal Board Assy
TBoxC	Terminal Board on Compressor Terminal Box
$TBOX_{1,2}$	Terminal Box for Fan Motor connections
Te	Thermistor before Expansion Valve
$TF_{1\sim4}$	Transformer
TI	Liquid Thermistor
TRP_{1}	Thermal Relay for Pump
Ts,Td	Suction / Discharge Thermistor
Twi	Thermistors water inlet
Two1	Thermistors water outlet
Two2	Water Temperature in evaporator backside
WPh	Water Pressure Switch, Water Flow Switch
-·-·-	Shielded connection for shielded wiring
----	Options wiring

NOTE

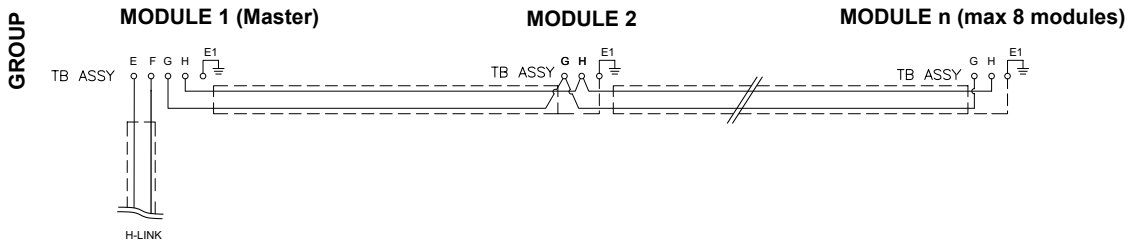
Above table does not show the “R” (Right) or “L” (Left) that shall be added at the end of the symbol of all those components which are repeated on both cycles, to make them different between both cycles.

6.3 Diagram of fan module PCB



Part name	Content of functions
LED501 (Red)	Fan controller power indication. Normal condition: activated. Abnormal condition: not activated.
LED202 (Yellow)	Microcomputer status indication. Normal condition: activated. Abnormal condition: not activated.

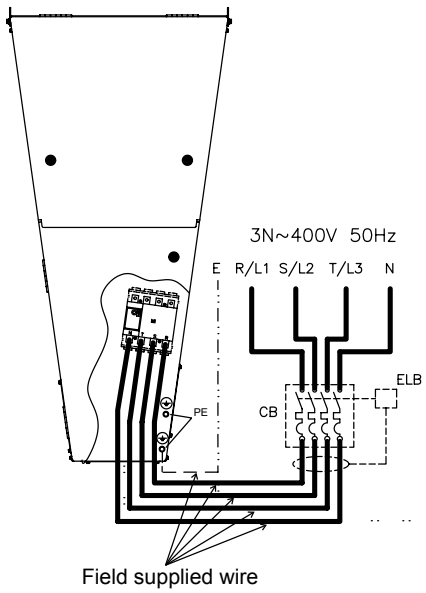
6.3.1 Wiring diagram for H-LINK communication



6.3.2 Wiring diagram for Power circuit

◆ **Individual module**

Example of R(C/H)ME-(60-90)AH2

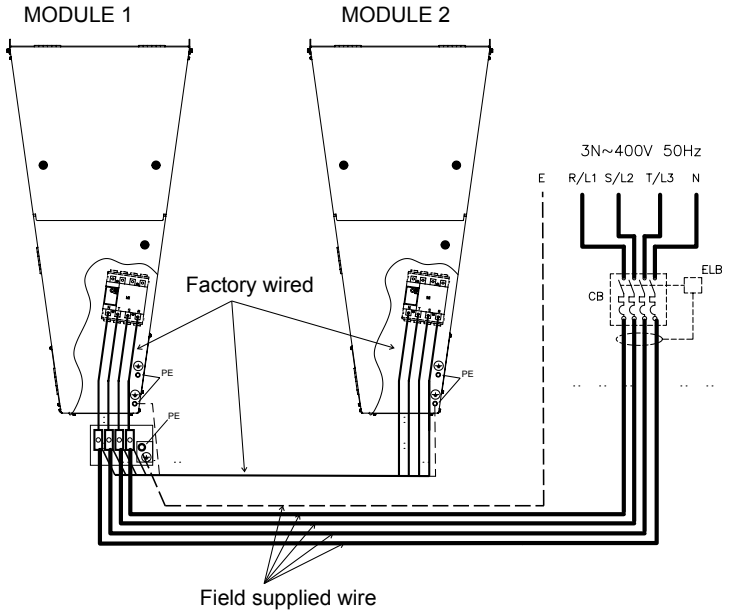


NOTE

- *Select the size of the field supplied cables according to the total combined requirements of the water chiller modules. Ensure that the field-supplied electrical components (mains power switches, circuit breakers, wires, connectors and wire terminals) have been properly selected according to the electrical data indicated. Make sure that they comply with national and regional electrical codes.*
- *H-LINK communication wire is factory wired.*

◆ On-site module combinations

2 modules example of R(C/H)ME-(60-90)AH2



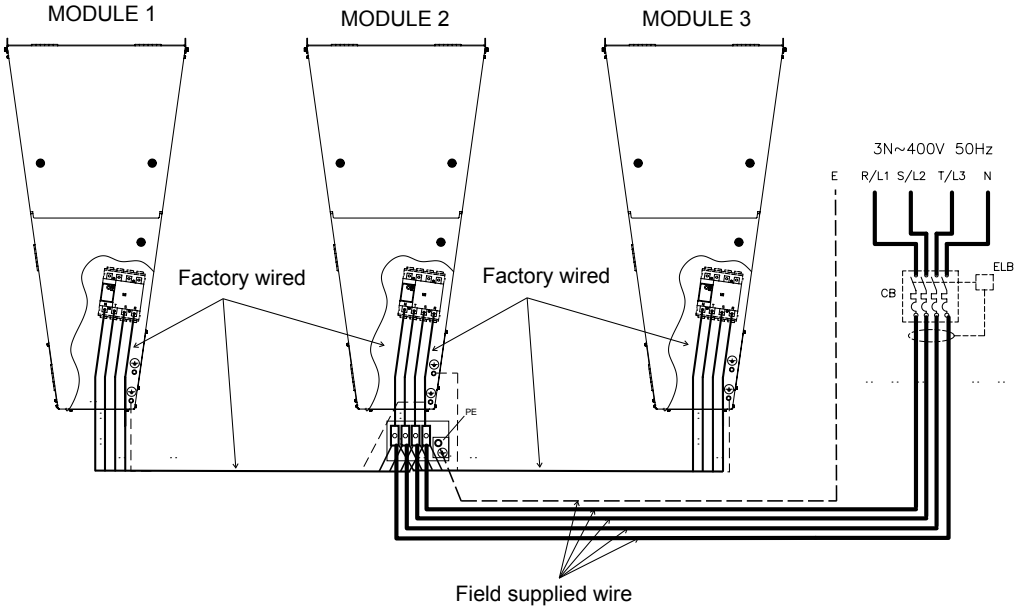
⚠ CAUTION

Power line connections thought Module 1 only.

NOTE

- *Select the size of the field supplied cables according to the total combined requirements of the water chiller modules. Ensure that the field-supplied electrical components (mains power switches, circuit breakers, wires, connectors and wire terminals) have been properly selected according to the electrical data indicated. Make sure that they comply with national and regional electrical codes.*
- *H-LINK communication wire is factory wired.*

3 modules example of R(C/H)ME-(60-90)AH2



⚠ CAUTION

Power line connections thought Module 2 only.

NOTE

- *Select the size of the field supplied cables according to the total combined requirements of the water chiller modules. Ensure that the field-supplied electrical components (mains power switches, circuit breakers, wires, connectors and wire terminals) have been properly selected according to the electrical data indicated. Make sure that they comply with national and regional electrical codes.*
- *H-LINK communication wire is factory wired.*

◆ On-site module combinations

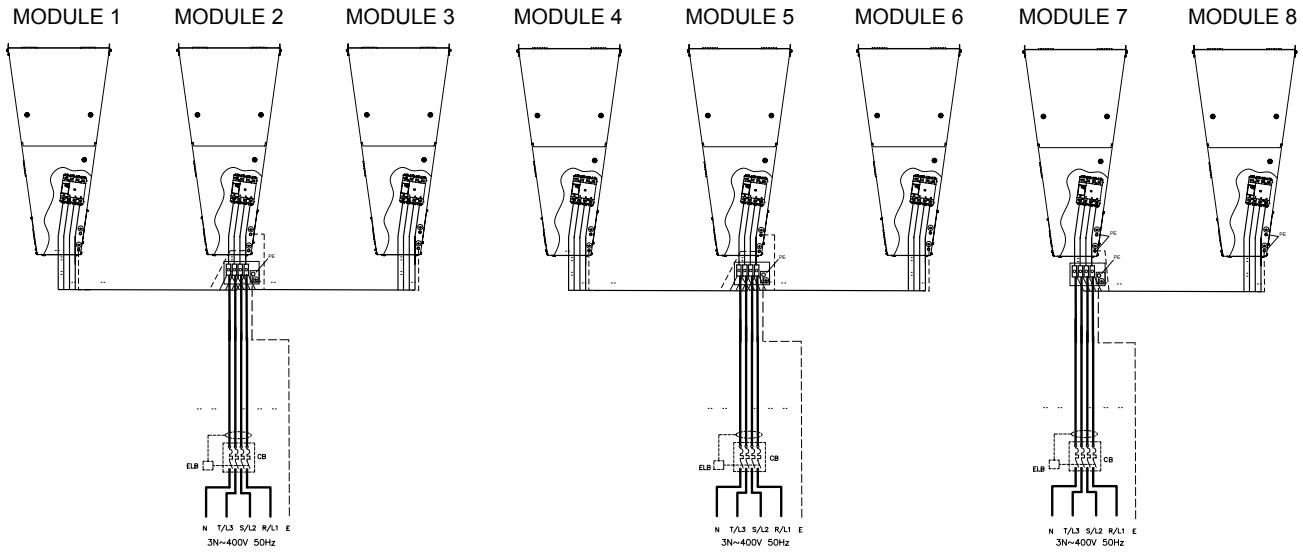
The power line for on-site combinations can be connected either:

Individually (recommended)

Each module is supplied with its own power line (follow “Individual module” diagram)

Between modules (interconnections). Only for R(C/H)ME-(60-90)AH2.

To minimize power cable sizing it is advisable to feed up to a maximum of 3 modules from 1 power source cable as illustrated below (as an example for a combination of 8 modules):



HITACHI provides a specific connection kit for this purpose as an option.

Power cable routing is available for R(C/H)ME-(60-90)AH2 as an option.

Please refer to the diagrams in “Factory built modules” for proper connection examples and their restrictions.

NOTE

- *Select the size of the field supplied cables according to the total combined requirements of the water chiller modules. Ensure that the field-supplied electrical components (mains power switches, circuit breakers, wires, connectors and wire terminals) have been properly selected according to the electrical data indicated. Make sure that they comply with national and regional electrical codes.*
- *Follow the H-Link connection according to the contents of chapter “6.3.1 Wiring diagram for H-LINK communication”.*

7. Optional functions

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7.1 LCD optional functions setting

NOTE

Detailed information in Service Manual SMxx0117.

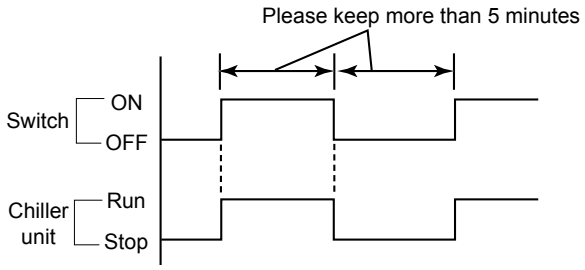
7.1.1 DC24V Input

The procedure to control operation from the DC24V contact of the local central controller is through:

- Level input
- Pulse input (1 switch)
- Pulse input (2 switches)

Arrange the settings and additional wiring necessary for each of them. Available only in remote mode during independent operation of the chiller unit.

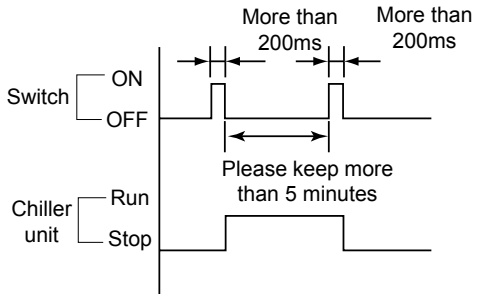
◆ **Level input - Time chart**



NOTE

Level input indicates a continuation of switch ON status when the system is in operation as shown in the diagram above.

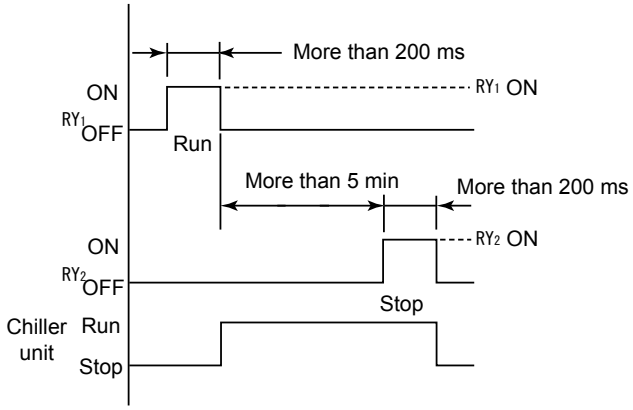
◆ **a)-Pulse input -Time chart**



NOTE

Pulse input indicates an ON input of the same switch when changing the status of the chiller unit, as shown in the diagram above.

◆ **b)-Pulse input - Time chart**



NOTE

- *Please do not bundle the additional wiring together with other control circuits, and in particular with wiring for 200V or 400V.*
- *Please put the additional wiring separately inside a metallic pipe, or use a shielded wire.*

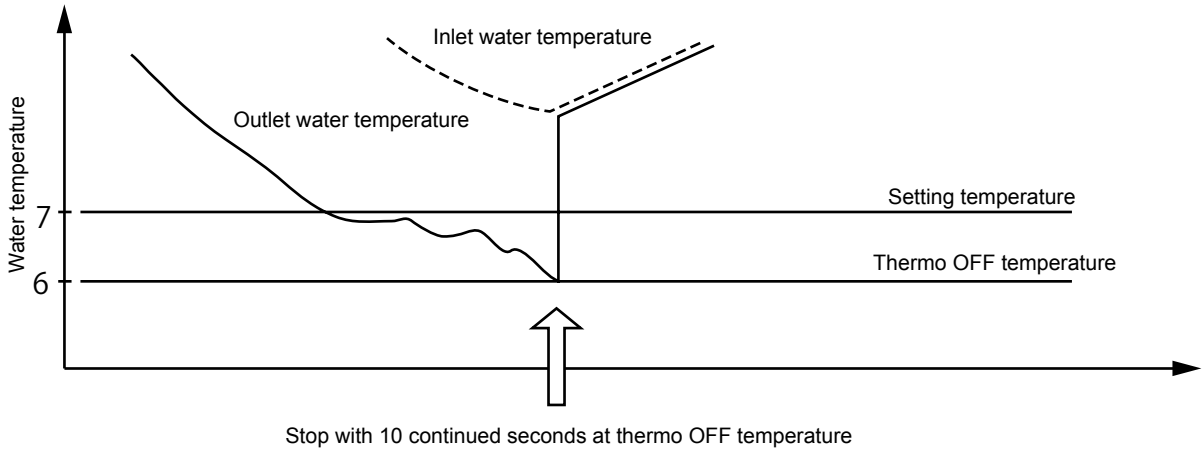
7.1.2 Remote alarm reset

The release of an alarm in case that the chiller unit has stopped due to an alarm is achieved by stop control (it is possible to stop both from the stop button of the main unit or from remote stop control). But it is possible to configure this alarm release to make it valid only from the stop button on the main unit (alarm cannot be released by remote stop control). This function is valid for places where there is a remote device for automatic stop order when an alarm is emitted.

7.1.3 Thermo OFF Delay

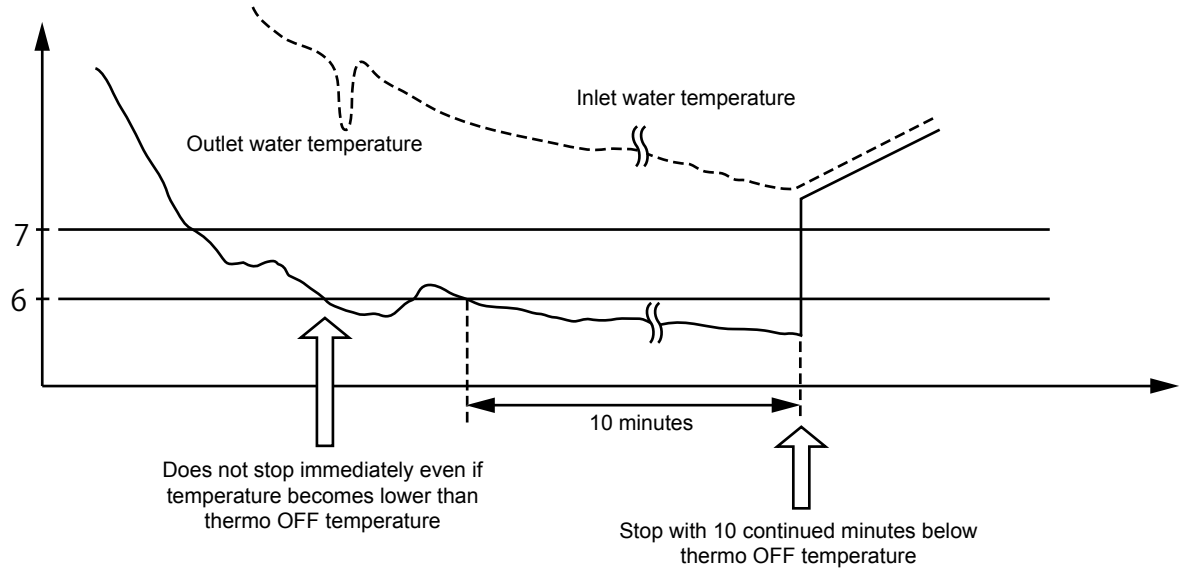
This function prevents thermo OFF of the chiller unit due to sudden changes of temperature or flow.

Example of standard settings:



Stop with 10 continued seconds at thermo OFF temperature

Example of thermo OFF judgement extension



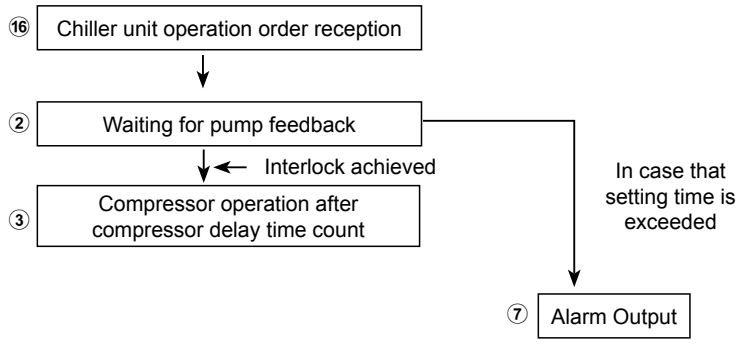
This function is used in cases in which the water flow is reduced temporarily, such as when opening and closing the valves installed in the water piping system, or when switching the number of cold (hot) water circulating pumps in operation. However, in case that water temperature reaches the limit of the working range, thermo-OFF occurs even within 10 minutes.

7.1.4 Water temperature control operation

It is possible to select which water temperature to use for capacity control and thermo OFF judgement, either “Inlet” or “Outlet”. Please use the outlet water temperature (factory default setting) in normal conditions.

7.1.5 No feed back signal from pump

Limitation setting for pump feedback waiting time.



The flow in the upper figure is followed upon start of operation of the chiller unit.

The state of ② is kept in case that there is no input of pump feedback signal between ② and ③, or when the difference between inlet and outlet temperature of cold water is too large. This function shifts to ⑦ “Alarm” in case that the state of ② continues for a certain amount of time.

Initial value for the standard specification:

- Unlimited
- Initial value for the specification with pump mounted: 5 minutes
- Setting range: 1~30 minutes

The display at this time is:

LCD: Pump interlock abnormality

Segment: 5P-5P

7.1.6 Periodic Fan Operation

The fan operates automatically, to prevent freezing of the fan due to snowfall when the unit is stopped in winter.

Starting conditions

- Outdoor temperature under 4 ºC
- Chiller unit in remote control settings
- Compressor stopped

} The fan is operated when all of these are fulfilled (operation at minimum frequency)

7.1.7 Current limit setting

It is possible to operate below a maximum current limitation ratio previously set at the LCD screen. The selection to enable or release the setting value is performed with the order signal from the local control board.

Also, the overcurrent protection control is always enabled, even in a state where this function is disabled.

It is possible to adjust Current limit ratio. Taking in account the “Base current” the “Current limit value” is calculated (= Base current x current limit ratio)

7.1.8 Thermo OFF detection by IN Temp (Tw1 CO) (Tw2 CO)

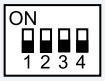
Normally thermo OFF judgement is carried out from outlet water temperature, but when enabling this setting, the judgement of thermo OFF is carried out also from inlet water temperature. (Thermo OFF judgement by outlet water temperature is also enabled)(Water temperature control is carried out from outlet water temperature even in case that this function is enabled).

It is effective when there is the need to set thermo OFF with the return water temperature from the load.

7.2 PCB optional functions setting

7.2.1 Status recovery after power failure

PCBa Settings

Optional Function C:  DSW5	 Status recovery after power failure disabled	 Status recovery after power failure enabled

NOTE

- *In case of small power supply failure (13msec – 2 sec) unit restarts automatically.*
- *If power failure is longer than 2 sec, it is possible to choose to restart or not according to the settting of DSW5 pin1.*
- *The restart time of the modules may vary depending on delay time settings.*

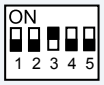
7.2.2 Remote control by H-link

PCBa Settings

Optional Function C:  DSW5	 Standard	 Remote control by H-LINK (To apply with optional H-LINK control devices)

7.2.3 Module control (Single/Multiple)

PCBa Settings

Optional Function D:  DSW6	 Single Module Control	
	 Multiple Module Control (standard)	
	 Not available	
	 Multiple module control (special with inverter pump)	
	 Not available	 Standard
	 Enable connection to 1 PCBd	
	 Enable connection to 2 PCBd	

8. Options

Index

8.1 Options vs Units

	Unit \ Option	EBOX Lower Safety Cover	Wooden Base	Wooden Skid	Coil Guard	Aesthetic Unit Lower Panels - ST	Aesthetic Unit Lower Panels - LN	Magnetic Circuit Breaker (MCB)	Dual Safety Valve	Discharge Valve	Suction Valve	Water Cooler Heater	Stainless Steel Water Pipe	Power Meter	Low Noise	Super Low Noise	Extra Super Low Noise	Differential Water Pressure Switch	High Water Outlet Temperature	Common Water Pipe	Power Cable Routing W	Power Cable Routing WO	Water Pressure Port	Air Heat Exchangers Heavy Corrosion Protection	Pump Kit SP1	Pump Kit SP2	Pump Kit DP1	Pump Kit DP2	Brine (Low 1)	Brine (Low 2)	Brine (Low 3)	LCD Language (LP1)	LCD Language (LP2)	LCD Language (LP3)	LCD Language (LP4)	Water PN16	Partial Heat Recovery
RCME-AH2 series	RCME-60AH2	✓	✓	✓	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓(1)	✓(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RCME-70AH2	✓	✓	✓	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓(1)	✓(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RCME-80AH2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓(1)	✓(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RCME-90AH2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓(1)	✓(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RCME-120AH2	✓	n.a	n.a	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RCME-140AH2	✓	n.a	n.a	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RHME-AH2 series	RHME-60AH2	✓	✓	✓	✓	✓	n.a	✓	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓(1)	✓(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RHME-70AH2	✓	✓	✓	✓	✓	n.a	✓	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓(1)	✓(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RHME-80AH2	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓(1)	✓(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RHME-90AH2	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	n.a	✓(1)	✓(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RHME-120AH2	✓	n.a	n.a	✓	✓	n.a	✓	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RHME-140AH2	✓	n.a	n.a	✓	✓	n.a	✓	✓	✓	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	n.a	n.a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

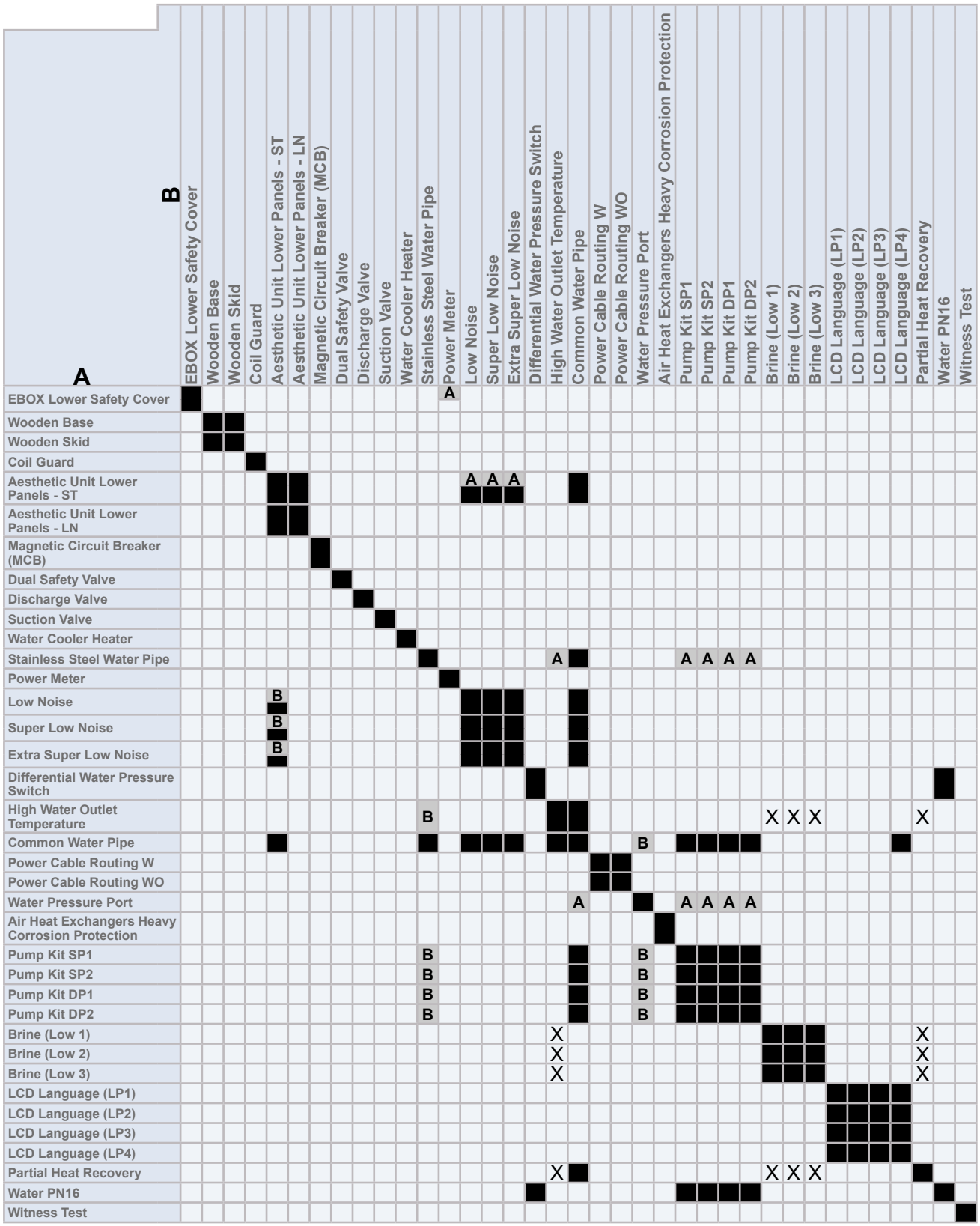
STD: Standard

n.a: Not available

✓(1): Apply to one module

✓(2): Apply to remaining modules

8.2 Incompatibilities



Compatible

Not compatible

X Cannot run simultaneously

A A is included with B

B B is included with A

A A is included with B (60/70/120/140HP).
Not compatible (80/90HP)

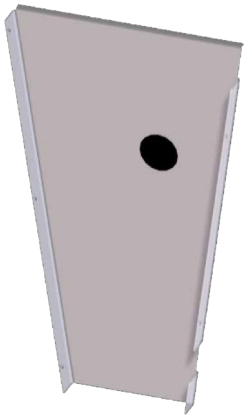
B B is included with A (60/70/120/140HP).
Not compatible (80/90HP)

A A is included with B (120/140HP).
Compatible (60/70/80/90HP)

B B is included with A (120/140HP).
Compatible (60/70/80/90HP)

8.3 EBOX Lower Safety Cover Option

8.3.1 Description



Additional protection for the electrical box components by adding a strong and impact resistant Polycarbonate cover.

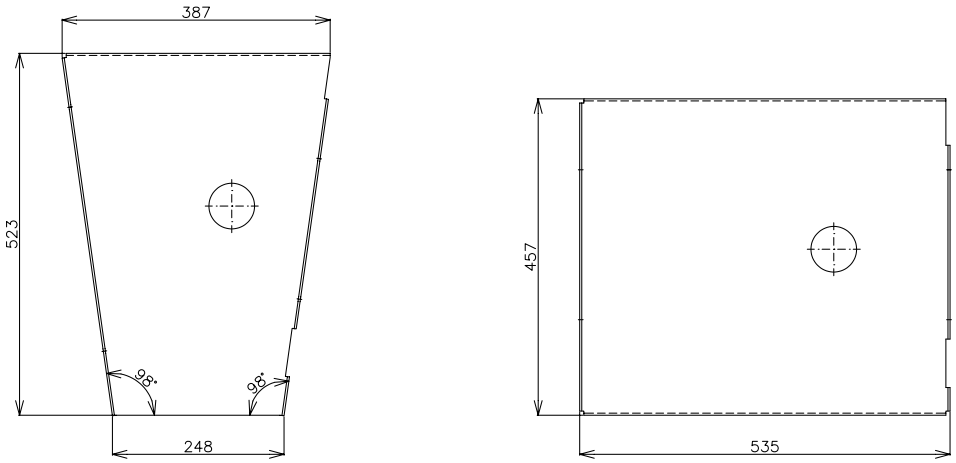
Thanks to this cover the electrical components located behind the lower door of the electrical box cannot be touched even accidentally.

8.3.2 Applicable models

All R(C/H)ME-AH2 units.

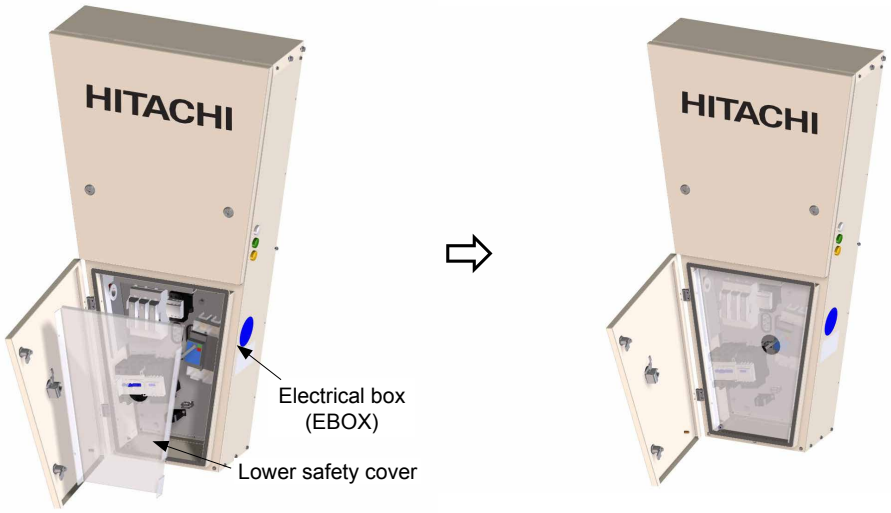
8.3.3 Main specifications

- Material: 3mm polycarbonate.
- Colour: transparent.
- Fixing method: 4xM4 screws (Phillips head).
- Overall dimensions (in mm):

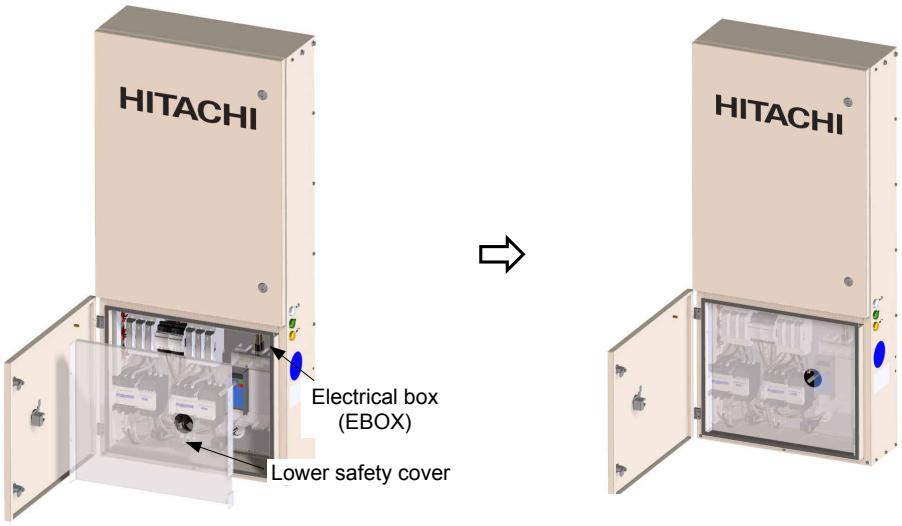


8.3.4 Assembly detail

◆ **In case of R(C/H)ME-60/70/80/90AH2**



◆ **In case of R(C/H)ME-120/140AH2**



8.4 Wood base Option

Additional Wood Base under the unit (130mm height).

NOTE

Wooden base is required when removal of the chiller unit from the transport vehicle by crane is not possible.

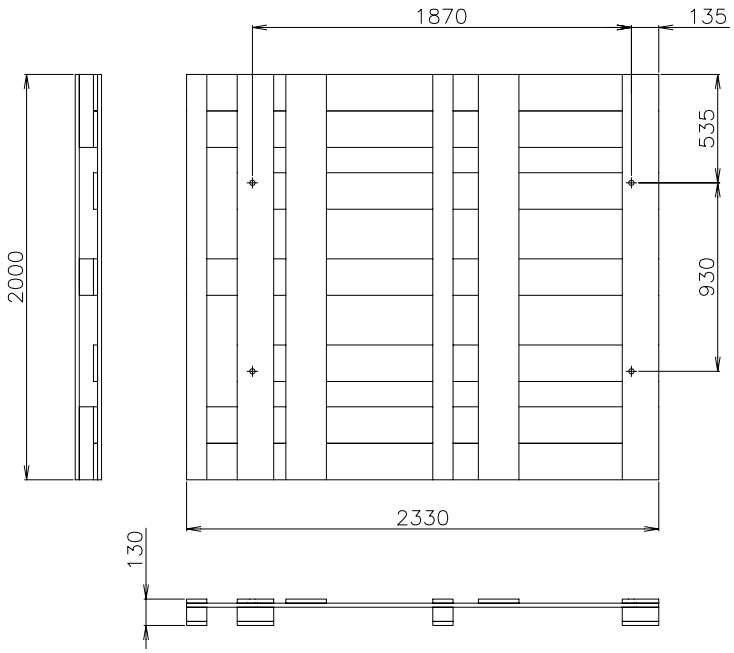
8.4.1 Applicable models

Only individual single module units: R(C/H)ME-60/70/80/90AH2.

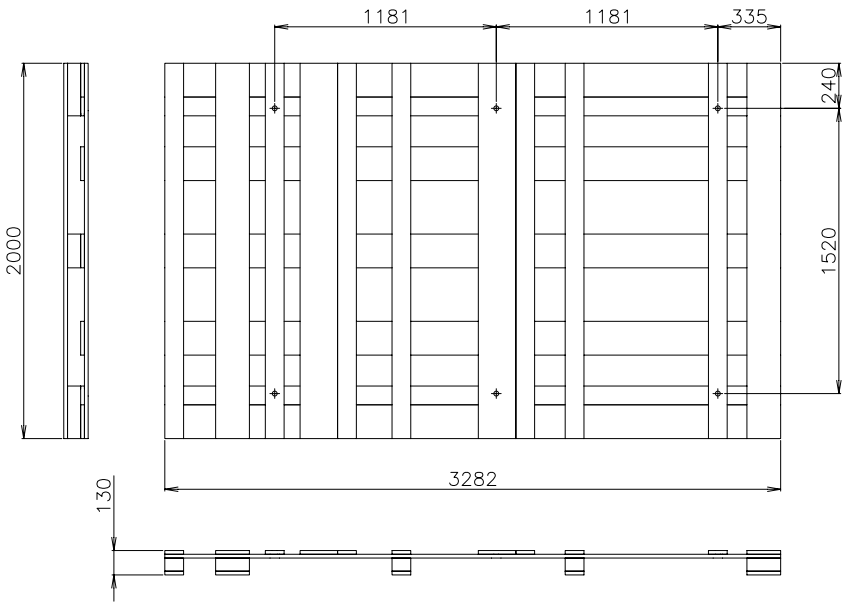
8.4.2 Main specifications

- Regulation NIMF 15 approved.
- Fixing method: 4/6xM16 bolts (hexagonal head).
- Overall dimensions (in mm):

R(C/H)ME-60/70AH2

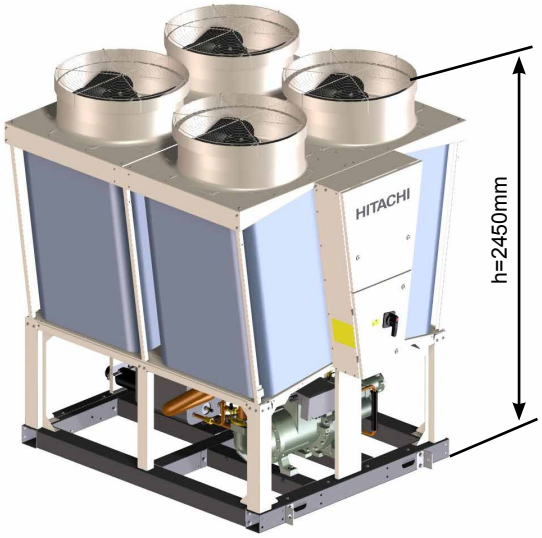


R(C/H)ME-80/90AH2

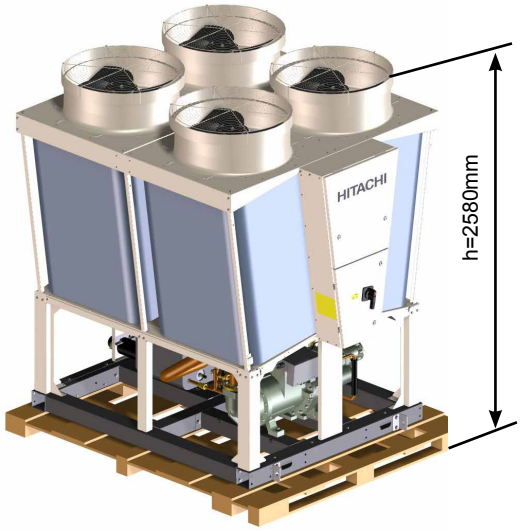


8.4.3 Assembly detail

◆ **In case of R(C/H)ME-60/70AH2**

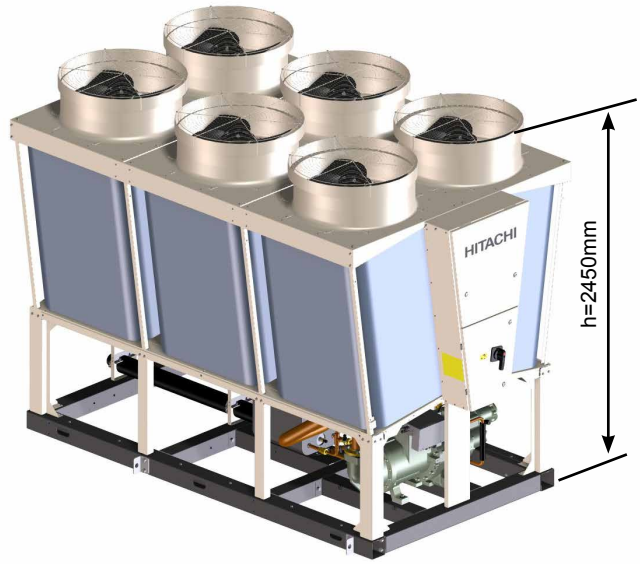


STANDARD

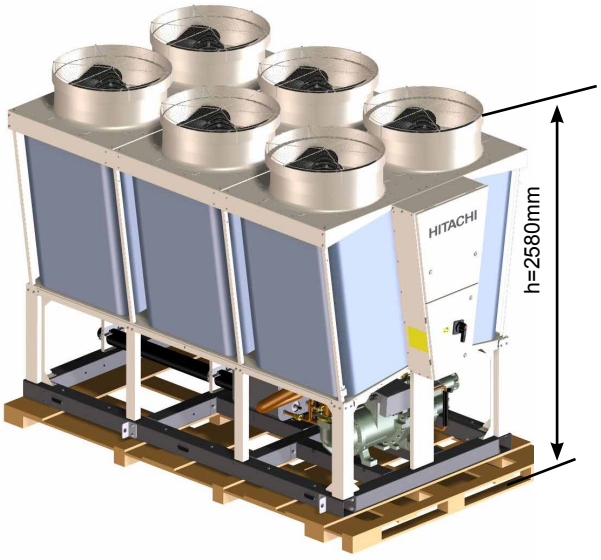


OPTION

◆ In case of R(C/H)ME-80/90AH2



STANDARD



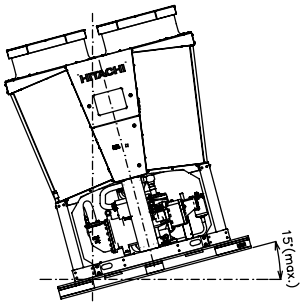
OPTION

8.4.4 How to load/unload the unit

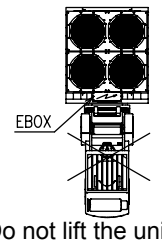
◆ In case of R(C/H)ME-60/70AH2

Use the fork lift to load/unload the unit from any side except from the Electrical Box side. Refer to the attached details for proper positioning of the forks to avoid unit unbalance.

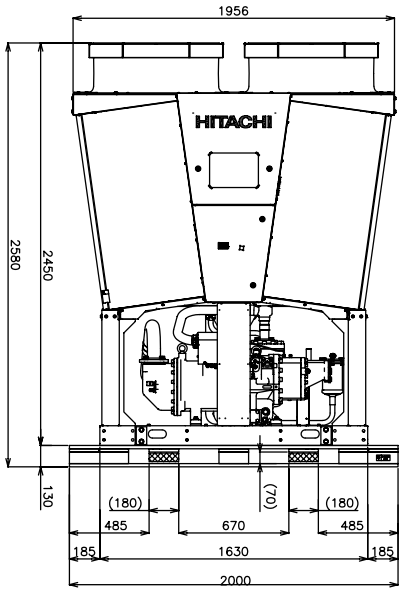
A Detail (NTS)

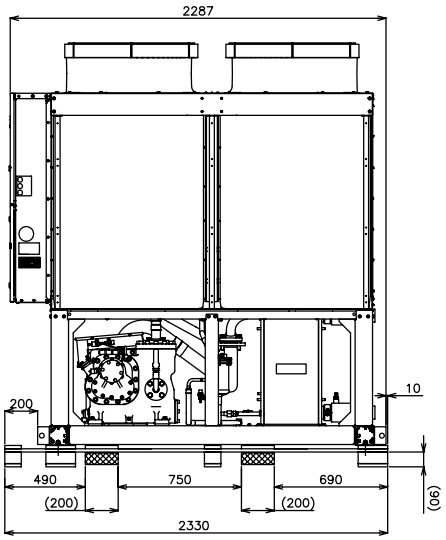


B Detail (NTS)



Do not lift the unit from EBOX side



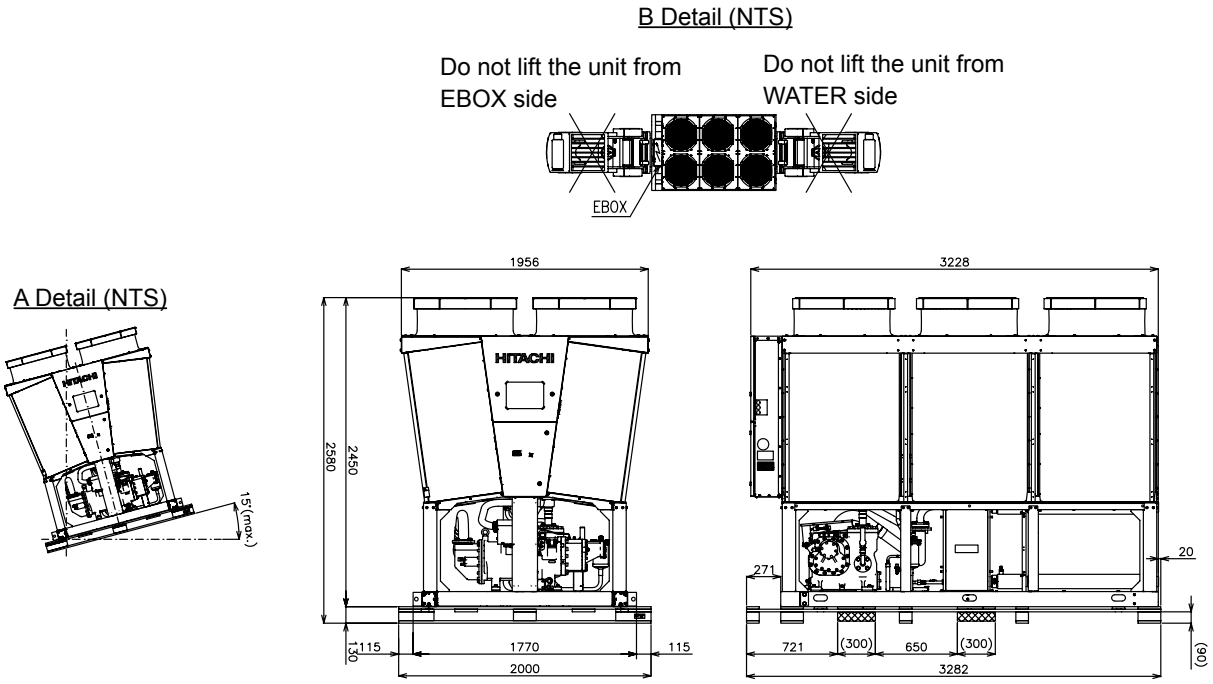


1 Location of the forks for lifting the unit

2 When moving the unit, make sure that the unit is not tilted more than 15° (see A Detail).

XEKS1899

◆ In case of R(C/H)ME-80/90AH2



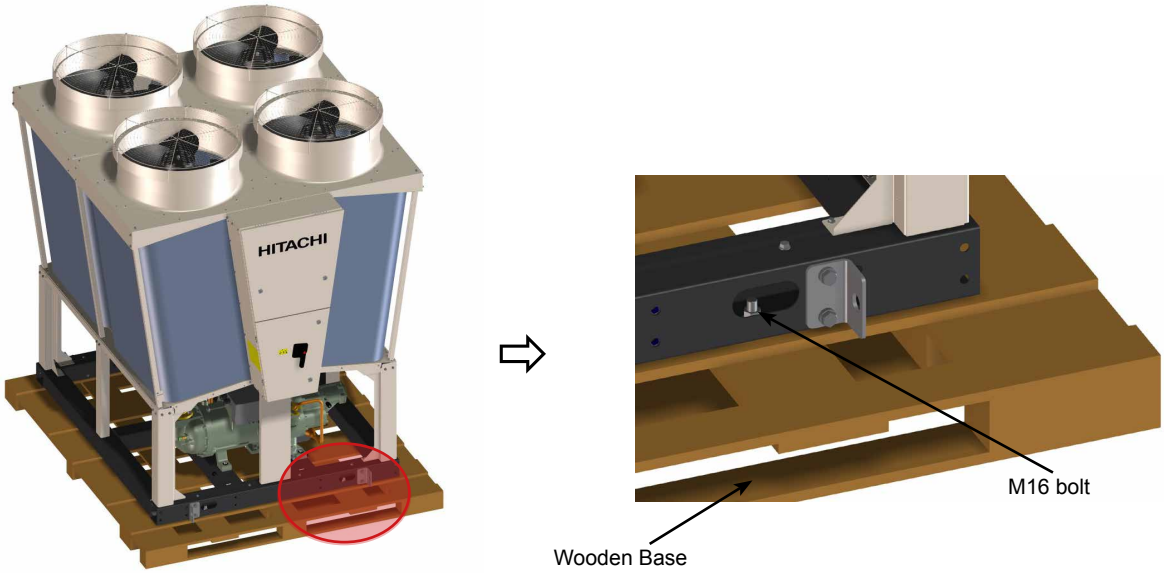
1 Location of the forks for lifting the unit

2 When moving the unit, make sure that the unit is not tilted more than 15° (see A Detail).

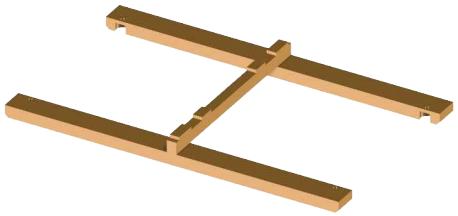
XEKS1900

8.4.5 How to remove the wooden base

- Lift the unit by using a crane or similar.
- Unscrew the 4xM16 bolts (60,70HP) and the 6xM16 bolts (80,90HP) and take out the Wooden Base.
- Do not stand below the unit while it is lifted.



8.5 Wooden Skid Option



Additional Wooden skid under the unit (75 mm height) for container shipment.

Note: Wooden skid is specially designed for loading the unit in a High Cube Container.

8.5.1 Applicable models

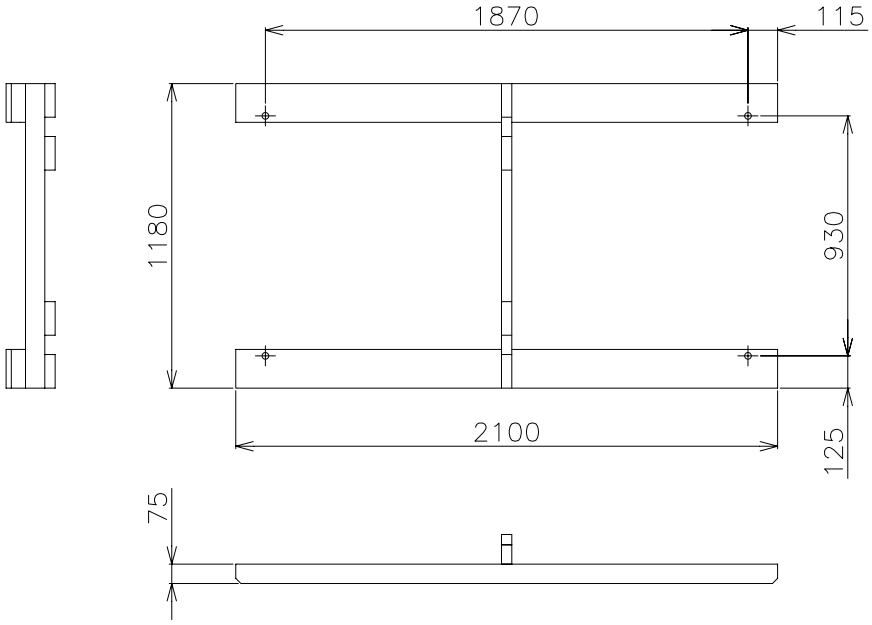
Only R(C/H)ME-60/70/80/90AH2.

8.5.2 Main specifications

- Unit height is increased 75mm during transportation.
- Final gap between the Container and the unit:
  - High Cube Container height: 2585 mm
  - Unit with Wooden Skid height: 2525 mm
  - Container-Unit Gap: 60 mm

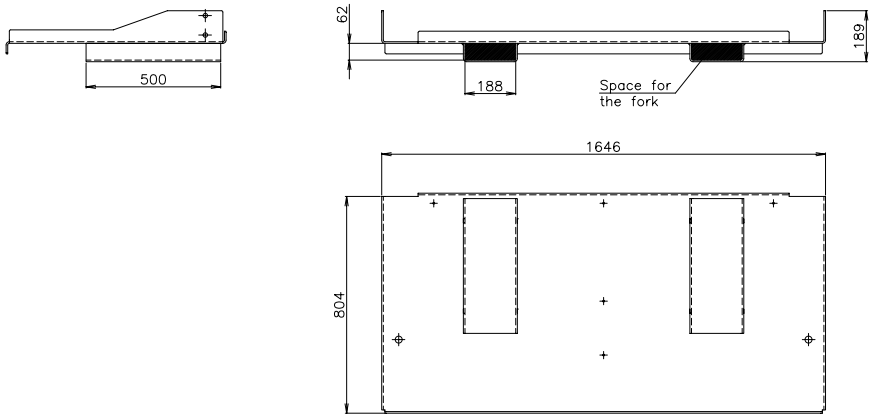
◆ In case of R(C/H)ME-60/70AH2

- Regulation NIMF 15 approved.
- Fixing method: 4xM16 bolts (hexagonal head).
- Chamfered edges to facilitate the movement of the unit when pushing it.
- Overall dimensions (in mm):

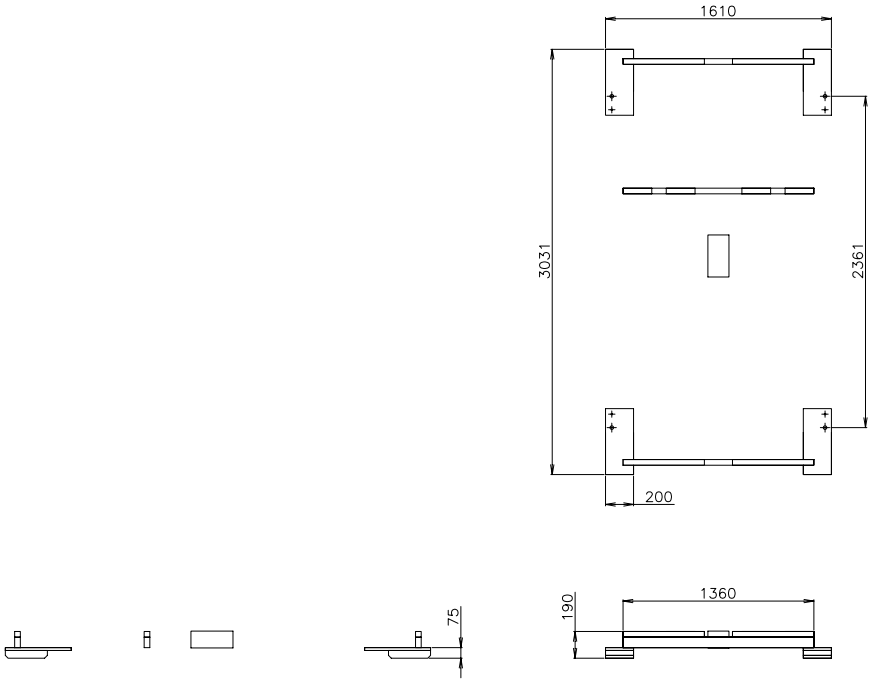


◆ In case of R(C/H)ME-80/90AH2

- Combination of 2 different structures:
  - Metal Skid
    - Platform with 2xRails for allocating the forks.
    - Fixing method: 2xM16 bolts and 4xM14 (hexagonal head).
    - Overall dimensions (in mm):

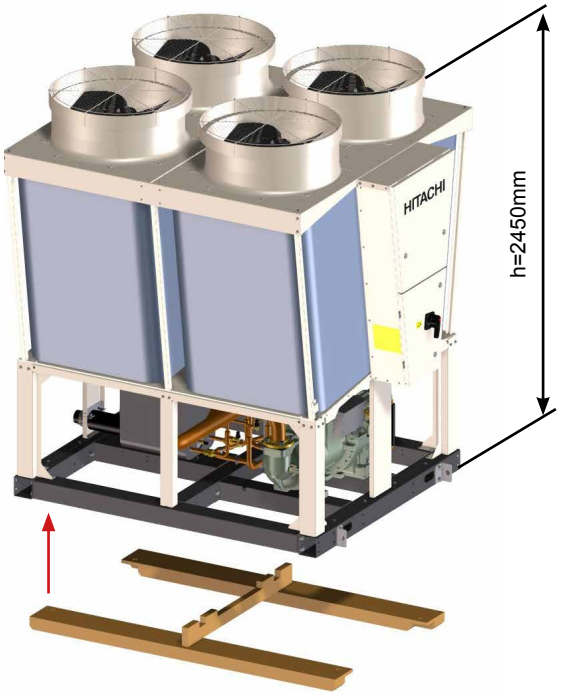


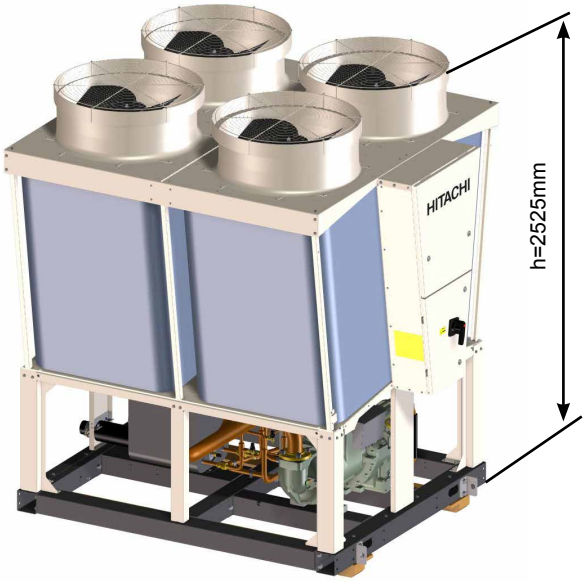
  - Wooden Skid
    - Regulation NIMF 15 approved.
    - Fixing method: 4xM16 bolts and 4xM8 (hexagonal head).
    - Chamfered edges to facilitate the movement of the unit when pushing it.
    - Overall dimensions (in mm):



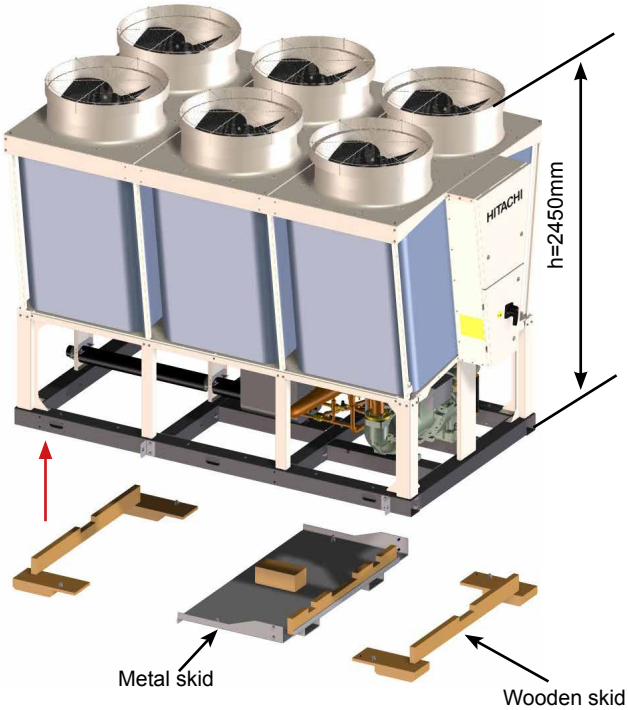
8.5.3 Assembly detail

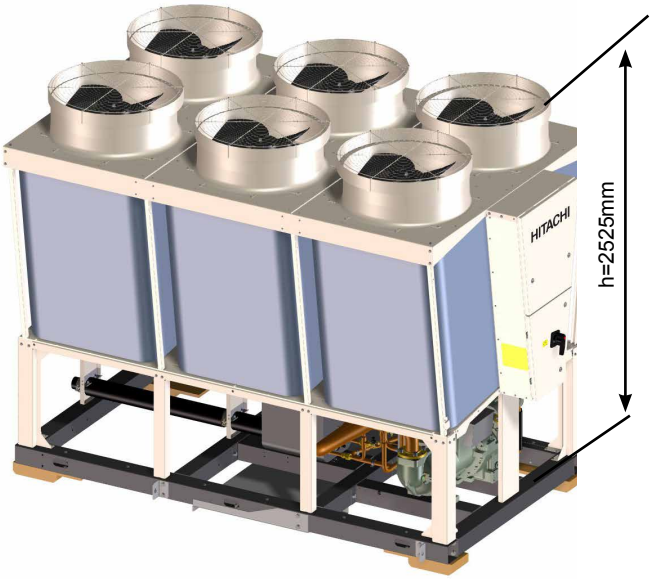
◆ **In case of R(C/H)ME-60/70AH2**





◆ **In case of R(C/H)ME-80/90AH2**





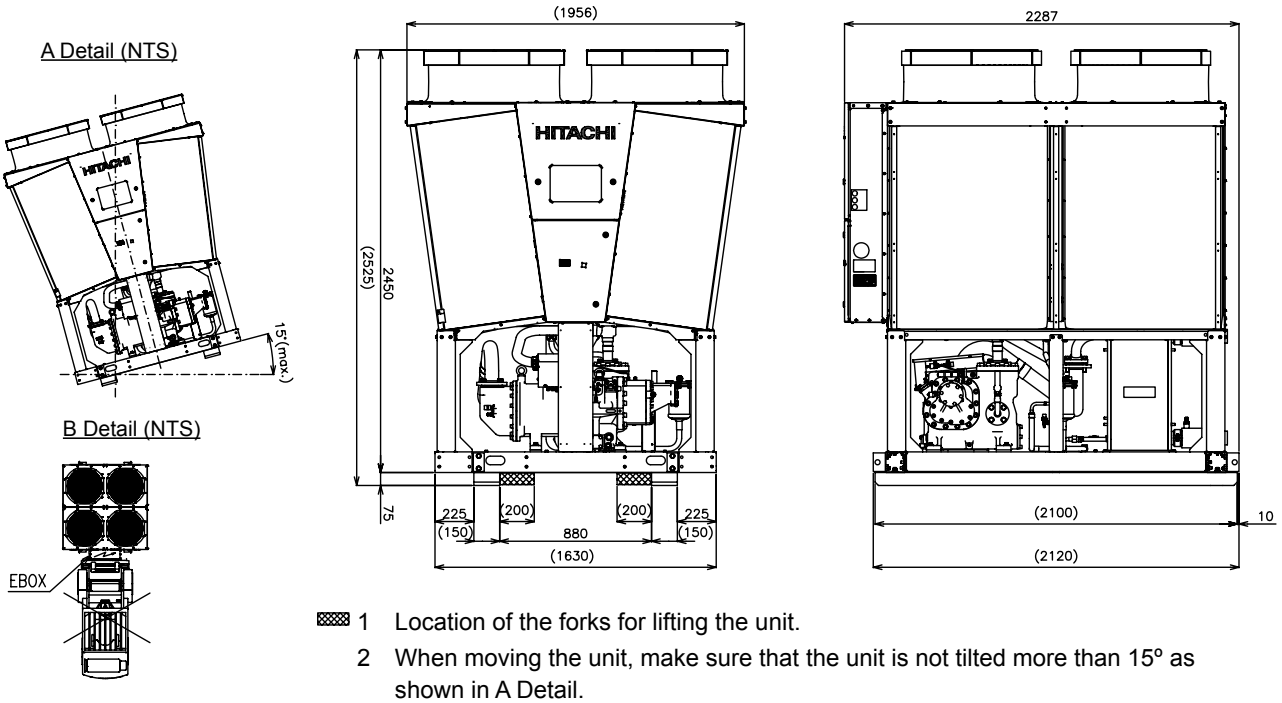
8.5.4 How to load/unload the unit

Use the fork lift to load/unload the unit from the opposite side of the Electrical Box.

Do not tilt the unit more than 15°.

Refer to the attached details for proper positioning of the forks to avoid unit unbalance.

◆ In case of R(C/H)ME-60/70AH2



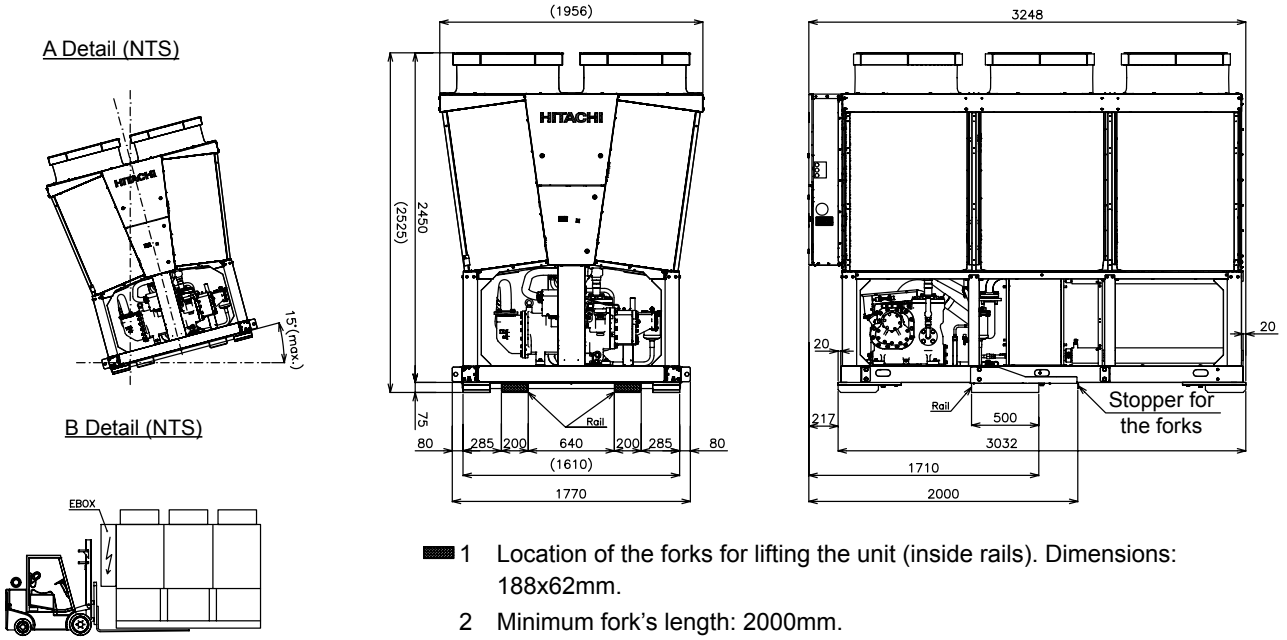
1 Location of the forks for lifting the unit.

2 When moving the unit, make sure that the unit is not tilted more than 15º as shown in A Detail.

3 Before lifting the unit, put some protection on the forks (a carton or similar) to avoid scratching the base of the unit.

XEKS1826

◆ In case of R(C/H)ME-80/90AH2



1 Location of the forks for lifting the unit (inside rails). Dimensions: 188x62mm.

2 Minimum fork's length: 2000mm.

3 Lift the unit from EBOX side (see B detail).

4 When moving the unit, make sure that the unit is not tilted more than 15° (see A Detail).

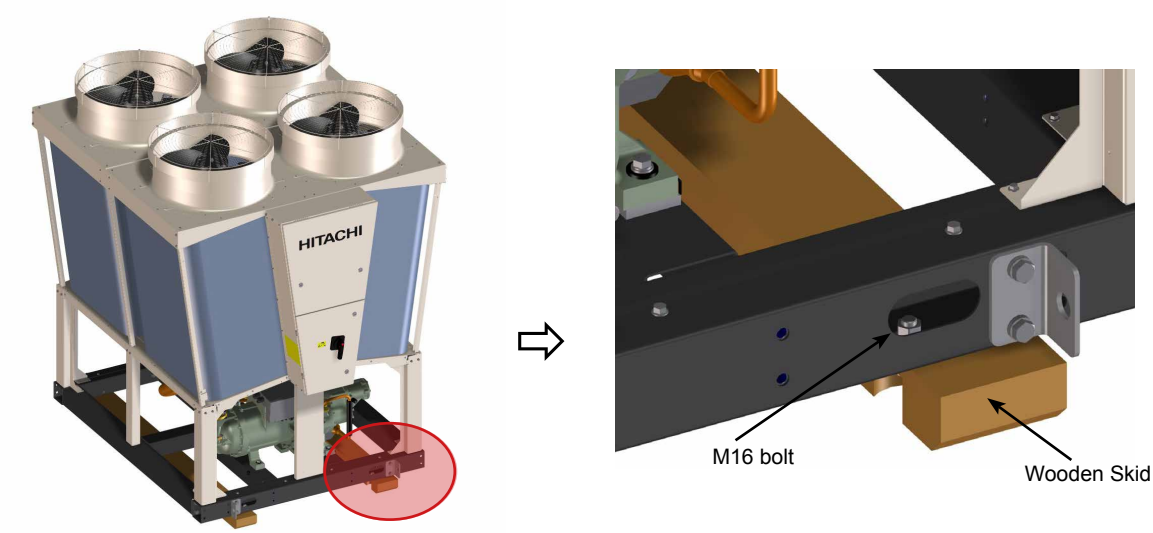
5 Before lifting the unit, put some protection on the forks (a carton or similar) to avoid scratching the base frame of the unit.

XEKS1827

8.5.5 How to remove the wooden skid

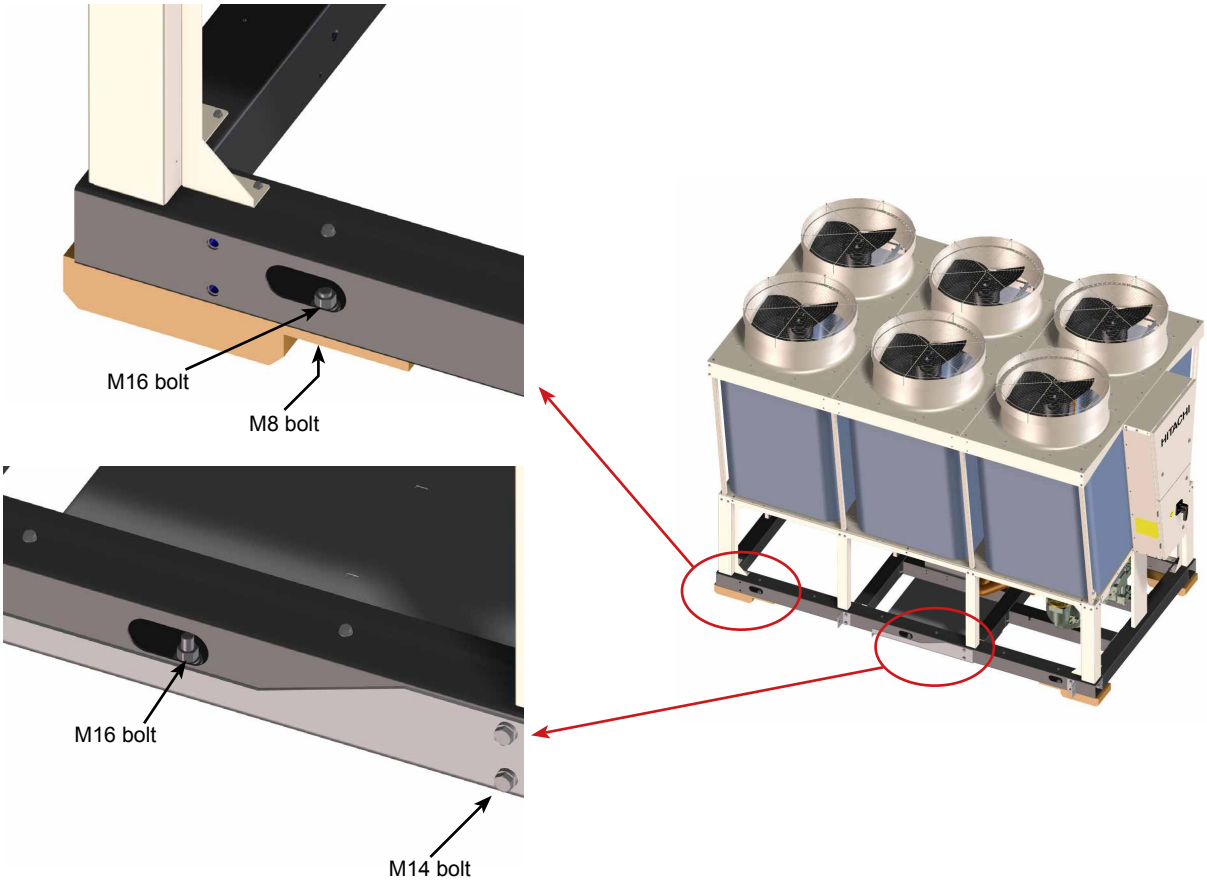
- Lift the unit by using a crane or similar.
- Unscrew the 4xM16 bolts and take out the Wooden Skid.
- Do not stand below the unit while it is lifted.

◆ **In case of R(C/H)ME-60/70AH2**

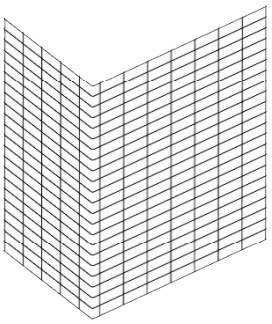


◆ **In case of R(C/H)ME-80/90AH2**

Unscrew the 6xM16, 4xM14 and 4xM8 bolts and take out the Wooden Skid



8.6 Coil Guard Option



Protection for the Coils (Air Heat Exchangers) by adding a metal guard net around them.

It protects the Coils from accidental touching, impact of big objects, etc…

It does not affect the performance of the unit.

8.6.1 Applicable models

All R(C/H)ME-AH2 units.

8.6.2 Main specifications

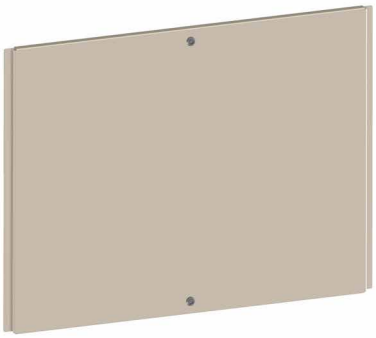
- Material: carbon steel wire rod with cataphoresis treatment plus polyester powder painting.
- Colour: black.
- Fixing method: Ø5 tapping screws and plastic clamps.
- Quantity: 4 pieces (1 piece for each coil).

8.6.3 Assembly detail

Standard

Option

8.7 Aesthetic unit lower panels



Additional Panels installed at the lower part of the unit to avoid public access to the refrigerant components and electric cables.

Better looking unit.

Slight reduction of the sound, 1dB(A) approx. (not tested).

Easy and quick removal of the Panels for servicing and maintenance thanks to the use of the 1/4 lock system (with key) and snaps.

2 different designs:

- Aesthetic Unit Lower Panels - ST
- Aesthetic Unit Lower Panels - LN

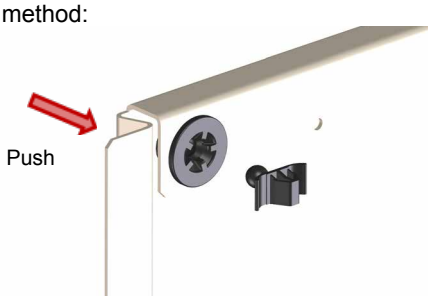
8.7.1 Applicable models

All R(C/H)ME-AH2 units, taking into account the following considerations:

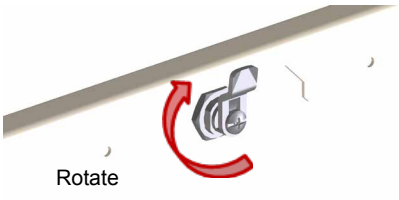
	Standard unit	LN, SLN, XSLN unit
R(C/H)ME-60/70/120/140AH2	Aesthetic Unit Lower Panels - ST	see LN, SLN, XSLN options
R(C/H)ME-80/90AH2	Aesthetic Unit Lower Panels- ST	Aesthetic Unit Lower Panels - LN

8.7.2 Main specifications

- Panels location: all around the unit (front, rear, left, right sides), just below the Air Heat Exchangers area. No panels installed at the bottom of the unit.
- Material: galvanized steel with polyester powder painting.
- Colour: Natural Grey T (textured).
- Fixing method:



Snaps at the 4 corners of the Panel



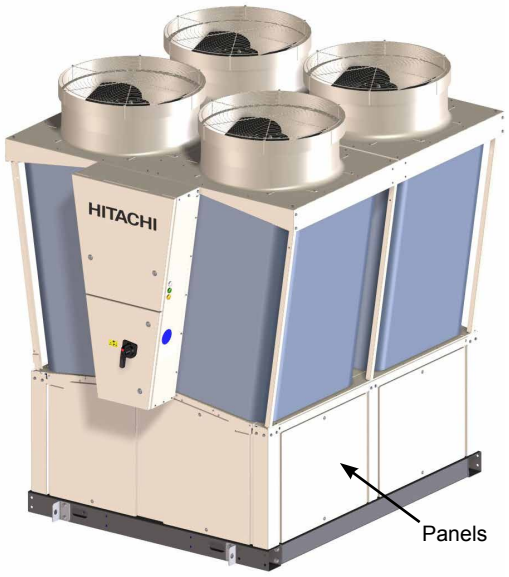
1/4 lock system at the centre of the Panel.

- Panels' removal: use specific key attached to the unit.

8.7.3 Assembly detail

◆ In case of R(C/H)ME-60/70AH2

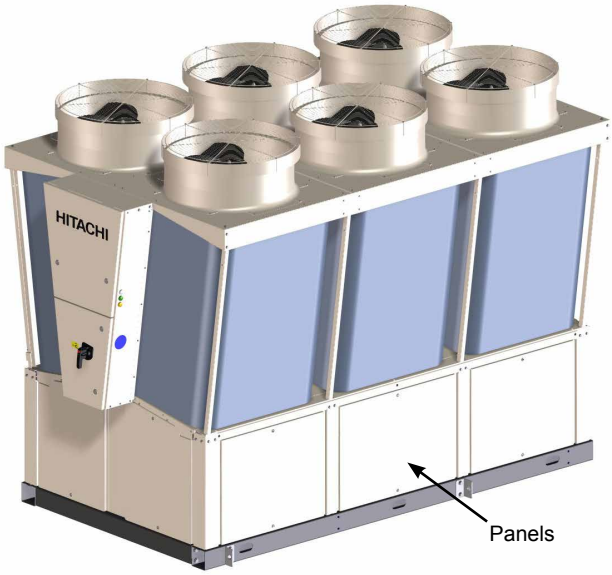
Standard



Option

◆ In case of R(C/H)ME-80/90AH2

Standard



Option

◆ In case of R(C/H)ME-120/140AH2

Standard

Option

8.7.4 Unit weight

The weight of the unit is increased compared to the Standard unit due to the weight of the additional Panels:

◆ RCME-AH2

Model	"Standard / Option"	"Shipping weight (kg)"	"Operating weight (kg)"
RCME-60AH2	Standard	1265	1300
	Unit lower panels option	1330	1365
RCME-70AH2	Standard	1295	1340
	Unit lower panels option	1360	1405
RCME-80AH2	Standard	1550	1590
	Unit lower panels option	1635	1675
RCME-90AH2	Standard	1635	1680
	Unit lower panels option	1720	1765
RCME-120AH2	Standard	2565	2640
	Unit lower panels option	2695	2770
RCME-140AH2	Standard	2625	2720
	Unit lower panels option	2755	2850

◆ RHME-AH2

Model	"Standard / Option"	"Shipping weight (kg)"	"Operating weight (kg)"
RHME-60AH2	Standard	1365	1400
	Unit lower panels option	1430	1465
RHME-70AH2	Standard	1380	1420
	Unit lower panels option	1445	1485
RHME-80AH2	Standard	1635	1680
	Unit lower panels option	1720	1765
RHME-90AH2	Standard	1720	1760
	Unit lower panels option	1805	1845
RHME-120AH2	Standard	2765	2820
	Unit lower panels option	2895	2950
RHME-140AH2	Standard	2795	2880
	Unit lower panels option	2925	3010

8.8 Magnetic Circuit Breaker (MCB) Option

Application of Thermal Magnetic Circuit Breakers (MCB) instead of Fuses to protect the Fans and Compressor motors.

MCB offers better magnetic protection as these devices are adjustable, as well as complementary thermal protection to the over current relay.

Thanks to this option, in case of some trouble, it is not necessary to change any part, just reset the MCB device and start the unit again.

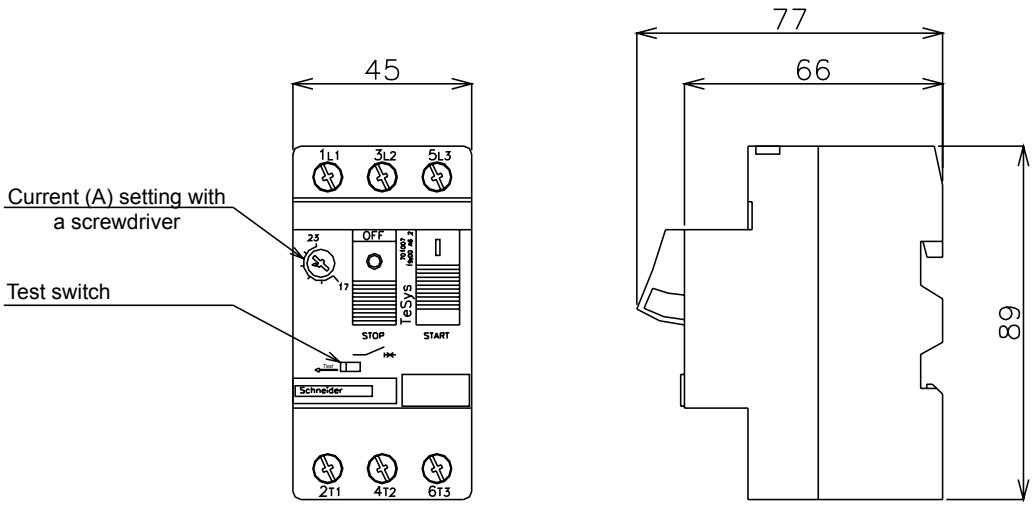
8.8.1 Applicable models

All R(C/H)ME-AH2 units: applicable to both Compressor and Fans protection

8.8.2 Main specifications

◆ **Thermal Magnetic Circuit Breaker for FAN motor (MCBF)**

- Control type: push button.
- Adjustment range: 17 ~ 23A.
- Factory setting: 20A (all modules).
- Overall dimensions (in mm):

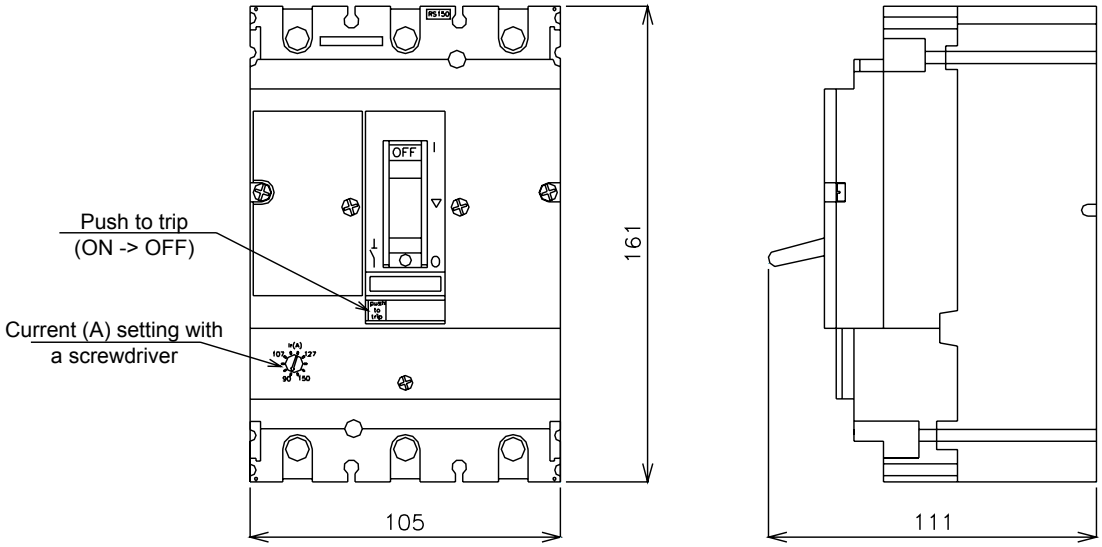


◆ Thermal Magnetic Circuit Breaker for COMPRESSOR motor (MCBC)

- Control type: rocker lever.
- Adjustment range: 90 ~ 150A.
- Factory setting:

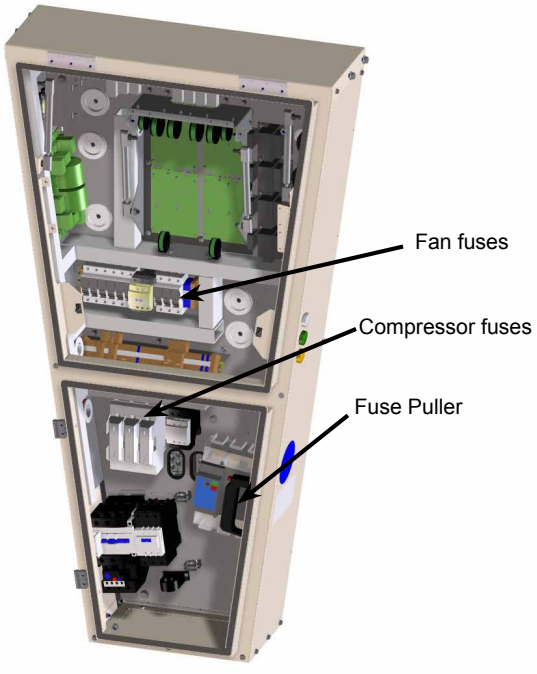
127A	60HP modules
142A	70HP modules
150A	80HP modules
150A	90HP modules
127A	120HP modules
142A	140HP modules

- Overall dimensions:

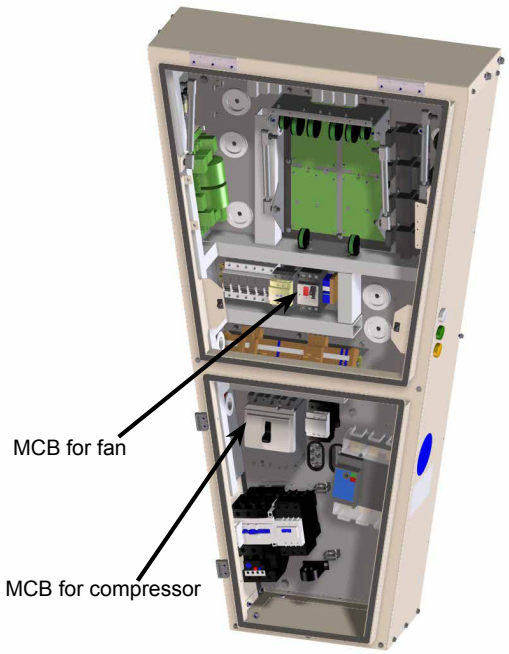


8.8.3 Assembly detail

◆ In case of R(C/H)ME-AH2 (60,70,80,90HP)

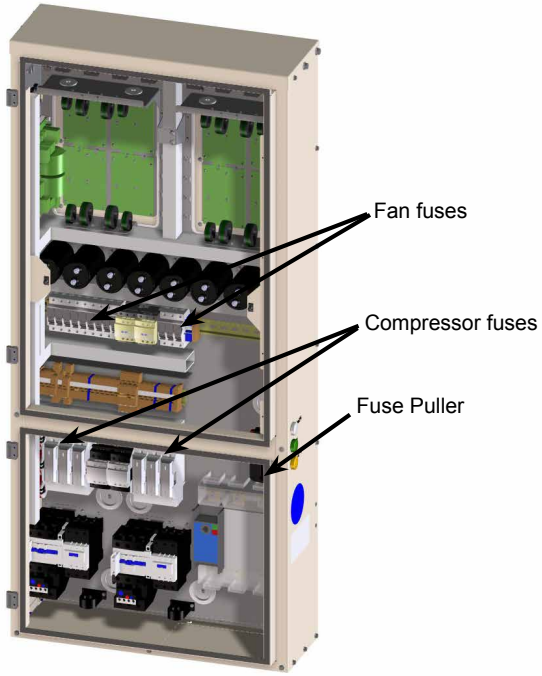


Standard

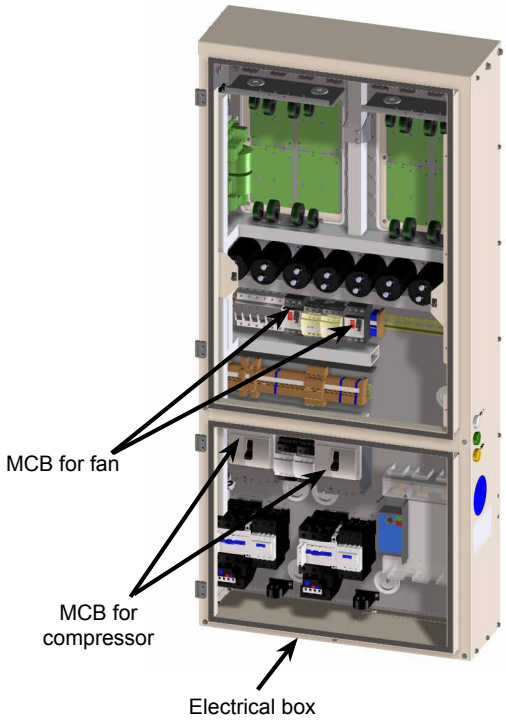


Option

◆ In case of R(C/H)ME-AH2 (120,140HP)



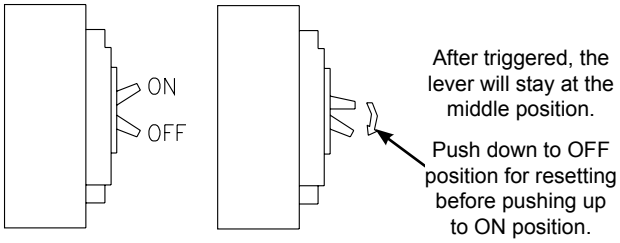
Standard



Option

8.8.4 How to reset the MCBC and MCBF devices

MCBF



MCBC

8.9 Dual Safety Valve Option

Additional Safety Valve assembled to the compressor discharge chamber, together with a Changeover Valve that controls the two safety devices, and so arranged that only one can be made inoperative at any one time.

Thanks to this option one safety valve can be taken out (for servicing, repairing, etc…) without emptying the refrigerant circuit, while the other valve is enabled and therefore protecting the unit against high pressure condition.

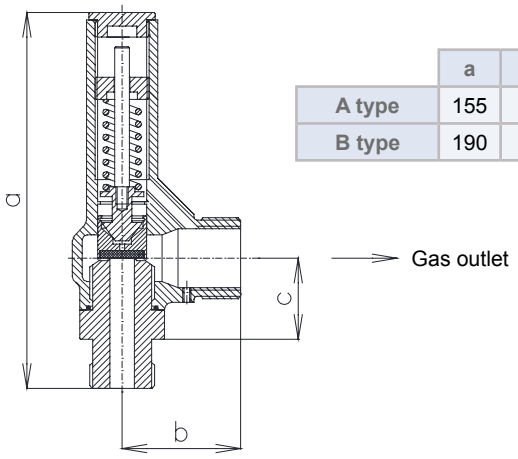
8.9.1 Applicable models

All R(C/H)ME-AH2 units.

8.9.2 Main specifications

◆ **Safety Valve:**

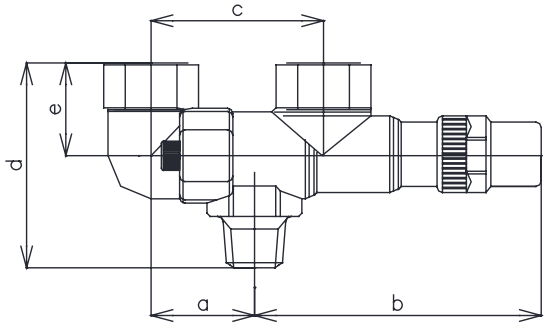
- Material: brass.
- Setting pressure: 22,5 bar.
- Overall dimensions (in mm):



	a	b	c	Inlet connection size	Outlet connection size
A type	155	49	33	3/4” NPT male	G 1” male
B type	190	59	40	1” NPT male	G 1.1/4” male

◆ **Changeover Valve:**

- Material: brass.
- Overall dimensions (in mm):

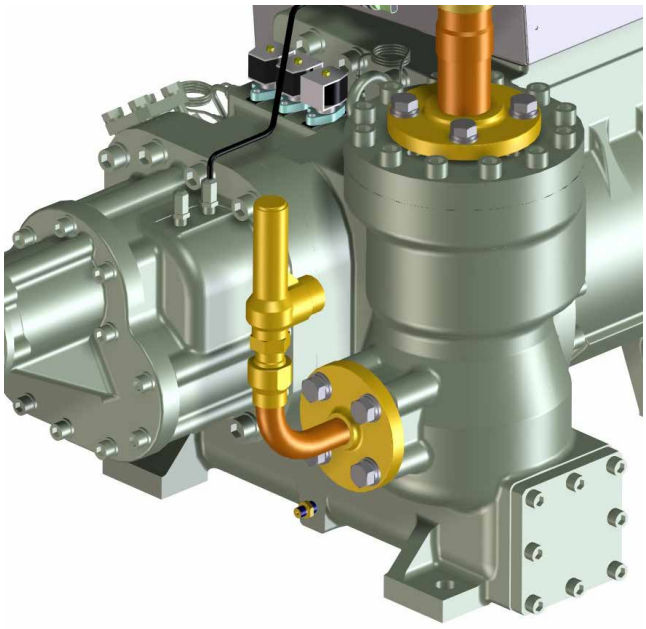


	a	b	c	d	e	Inlet and outlet connection size
A type	48	133	80	95	43	3/4” NPT male
B type	66	185	110	120	49	1” NPT

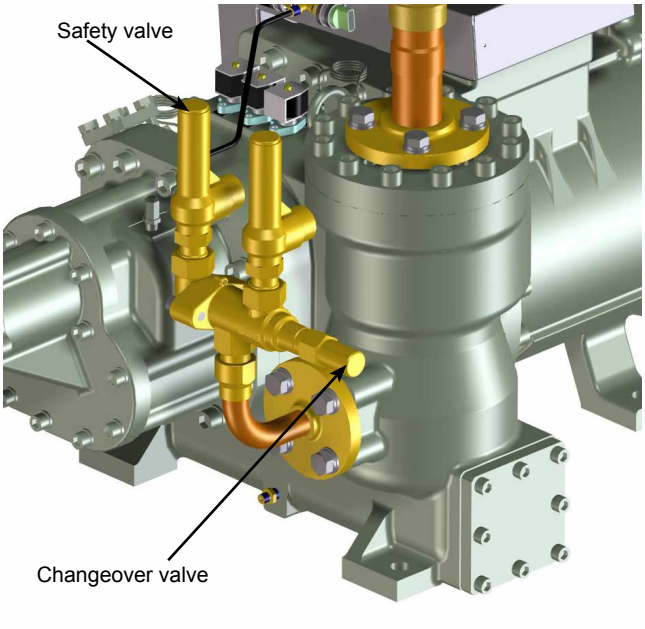
NOTE

- *The changeover valve shall be completely opened or completely closed so that one safety valve is enabled while the other one is disabled.*
- *A type: applicable to R(C/H)ME-60/70/120/140AH2.*
- *B type: applicable to R(C/H)ME-80/90AH2.*

8.9.3 Assembly detail

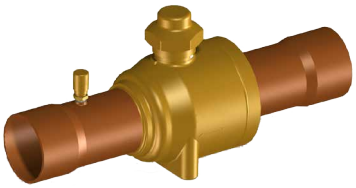


STANDARD



OPTION

8.10 Discharge valve



◆ Discharge valve

Discharge Shut-off valve is assembled on the compressor discharge line, just after the Check Valve.

This Option makes it possible to close the refrigeration cycle and facilitate easier compressor maintenance.

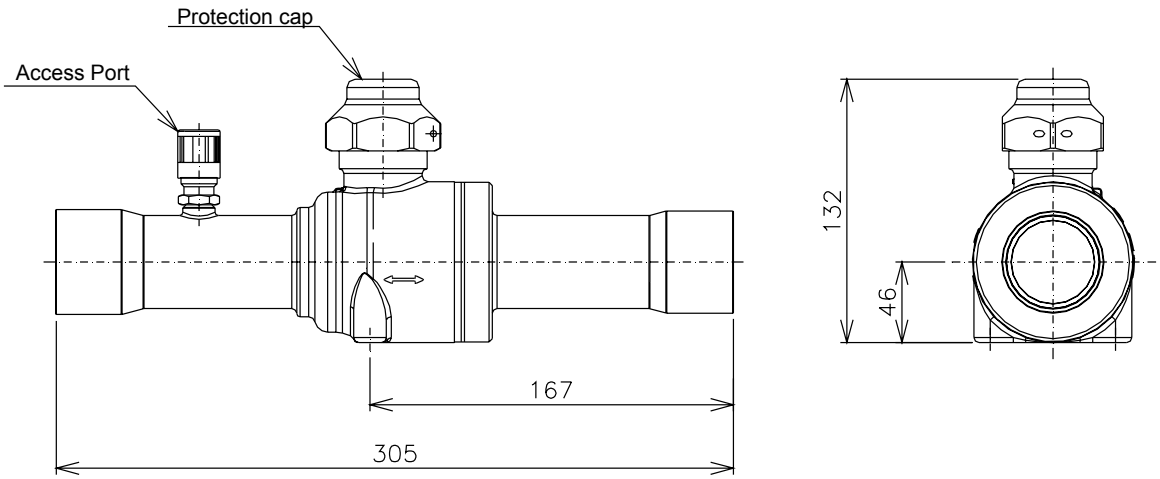
It is recommended to be combined together with “Suction Valve OPTION”.

8.10.1 Applicable models

All R(C/H)ME-AH2 units.

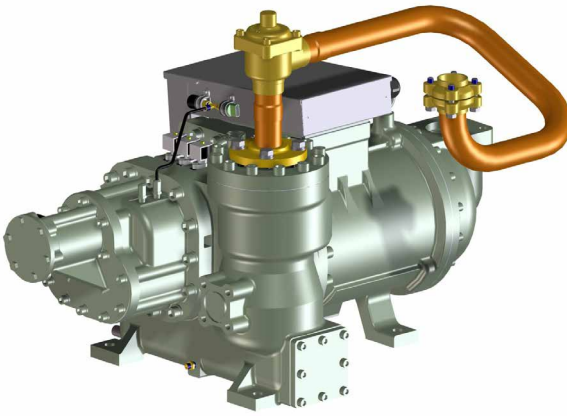
8.10.2 Main specifications

- Valve type: bi-directional ball valve. Full port type for lower pressure drop.
- Material: brass body with copper connections.
- Open-close rotation: ¼ turn from fully open to fully close.
- Access port with internal core valve is included.
- Overall dimensions (in mm):

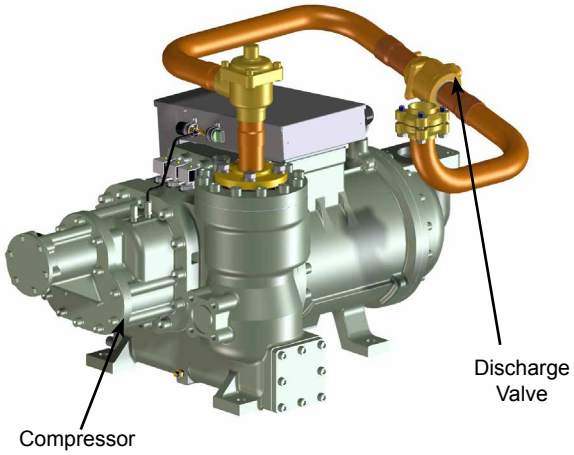


8.10.3 Assembly detail

◆ **In case of RCME-AH2**

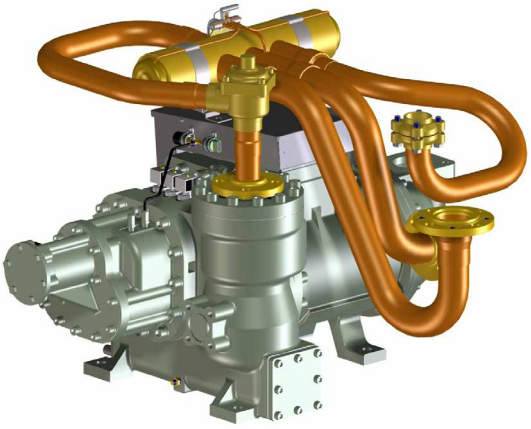


STANDARD

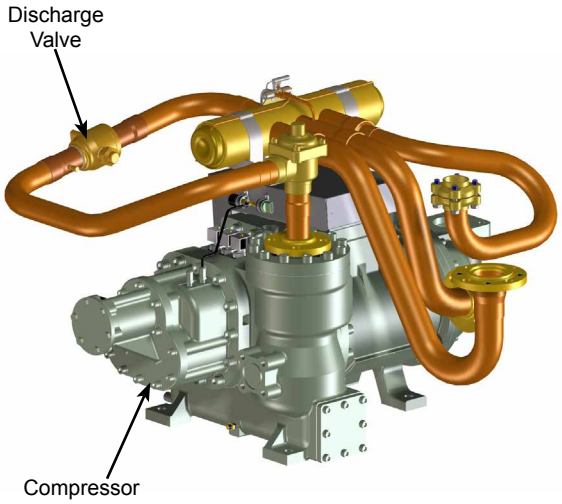


OPTION

◆ **In case of RHME-AH2**



STANDARD



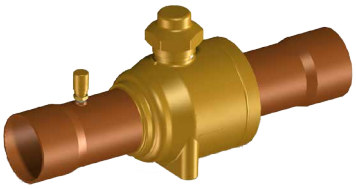
OPTION

8.10.4 How to operate the shut off valve

The unit is supplied with the Discharge valve opened.

For servicing, close the valve by removing the protection cap and turning the shaft ¼ turn by means of a spanner.

8.11 Suction valve



Suction Shut-off Valve is assembled on the compressor suction line.

This Option makes it possible to close the refrigeration cycle and facilitate easier compressor maintenance.

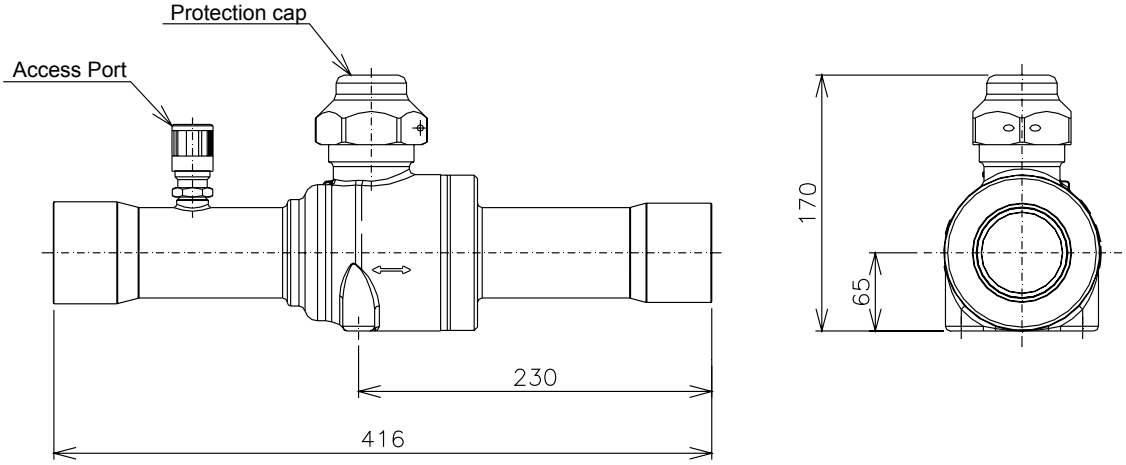
It is recommended to be combined together with “Discharge Valve OPTION”.

8.11.1 Applicable models

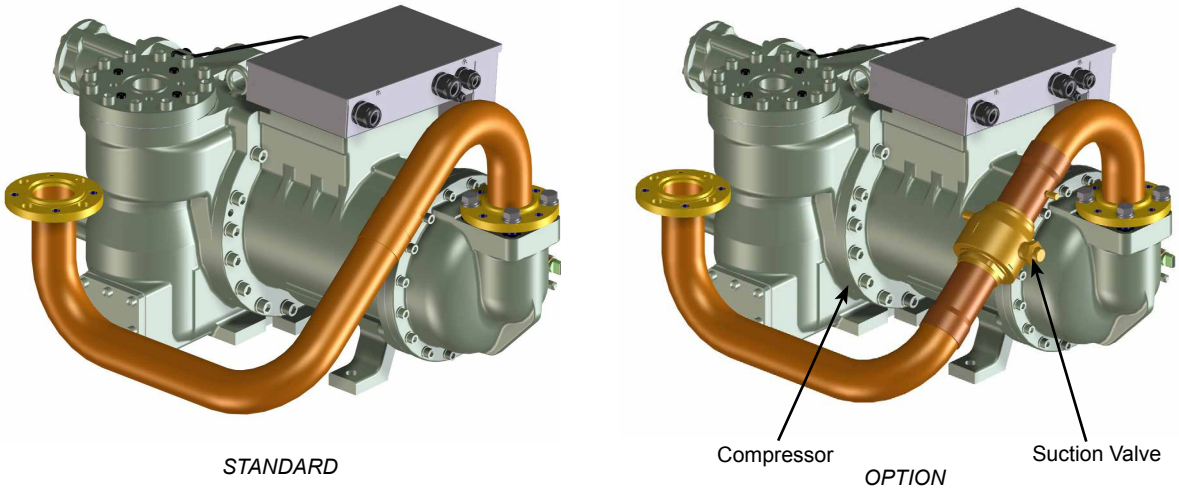
All RCME-AH2. Not available for RHME-AH2 units.

8.11.2 Main specifications

- Valve type: bi-directional ball valve. Full port type for lower pressure drop.
- Material: brass body with copper connections.
- Open-close rotation: ¼ turn from fully open to fully close.
- Access port with internal core valve is included.
- Overall dimensions (in mm):



8.11.3 Assembly detail



STANDARD

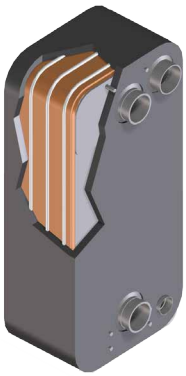
OPTION

8.11.4 How to operate the shut off valve

The unit is supplied with the Suction valve opened.

For servicing, close the valve by removing the protection cap and turning the shaft ¼ turn by means of a spanner.

8.12 Water Cooler Heater Option



This option includes an electric heater installed around Plate Heat Exchanger to heat up the internal water volume and protect them against freezing.

The heater is activated when the unit is stopped, and is protecting the Plate Heat Exchanger in case of low ambient temperatures as well as low water temperatures.

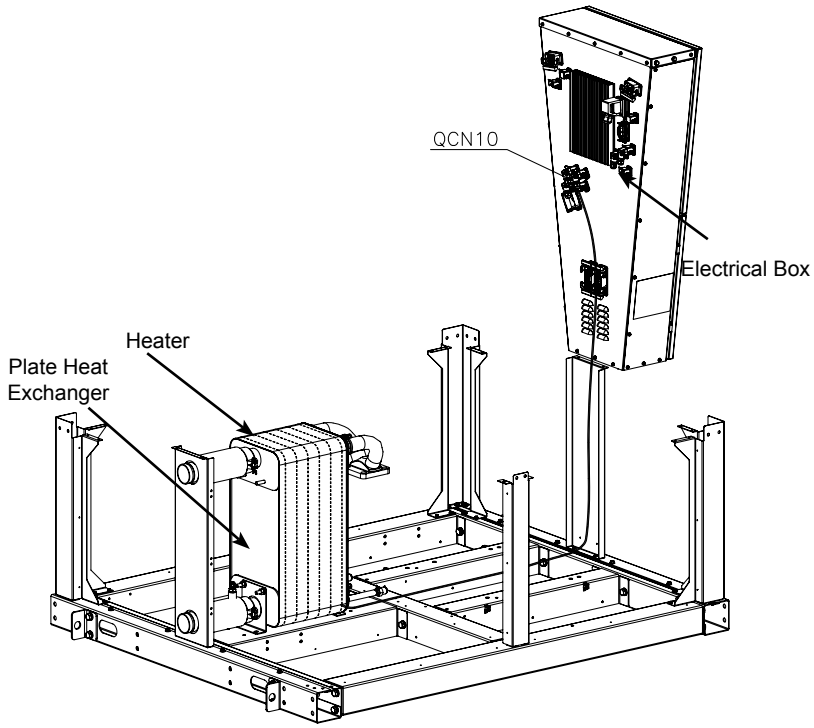
8.12.1 Applicable models

All R(C/H)ME-AH2 units.

8.12.2 Main specifications

- The heater is activated (ON) when the 3 following conditions occur simultaneously:
  - Unit is stopped (OFF).
  - Ambient temperature is below 2°C.
  - Water outlet temperature is below 2°C.
- The heater is de-activated (OFF) when at least one of the 3 following conditions occur:
  - Unit is operating (ON).
  - Ambient temperature is above 4°C.
  - Water outlet temperature is above 10°C.

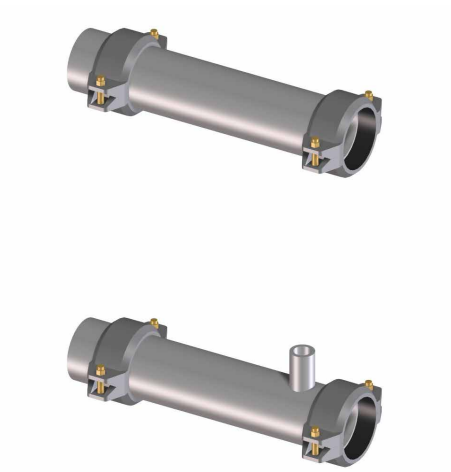
8.12.3 Assembly detail



NOTE

The port for the heater cable at the rear side of the Electrical Box is the QCN10.

8.13 Stainless Steel Water Pipe Option



Application of stainless steel to the water piping of the unit instead of using carbon steel pipes.

Corrosion of the water pipes will be considerably reduced.

Less potential erosion of the pipes due to the greater hardness of the stainless steel against carbon steel.

NOTE

This option can be requested together with the "Common Water Pipe ACCESSORY", but in that case please note that the Common Water Pipe is not made in stainless steel but carbon steel.

8.13.1 Main specifications

- Material: stainless steel AISI 304. Other materials are available upon request.
- Maximum water flow rate increases: 1.5 times compared to the Standard unit one.

8.13.2 Assembly detail

8.14 Power Meter Option

This device is used to capture and output electrical data of the unit such as: power consumption, current, frequency, power factor, voltage phase to phase and phase to neutral. Assembled at factory (inside electrical box).

With hour counter integrated.

Communication port protocol: Modbus, RS485 interface

This device is used to visualize electrical data of the unit like:

- Power Consumption (active/reactive).
- Voltage (V) voltage phase to phase and phase to neutral
- Current (I), frequency (Hz), power factor, etc…
- Average, maximum and instant values.
- Hour counter integrated.
- etc…

Communication port protocol Modbus, RS 485 interface is available.

NOTE

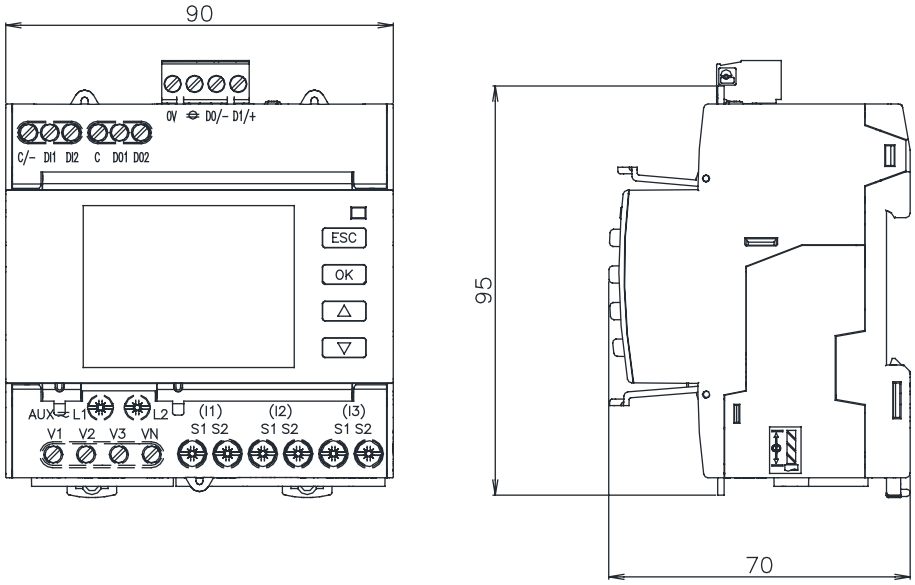
This option can be requested also as an ACCESSORY.

8.14.1 Applicable models

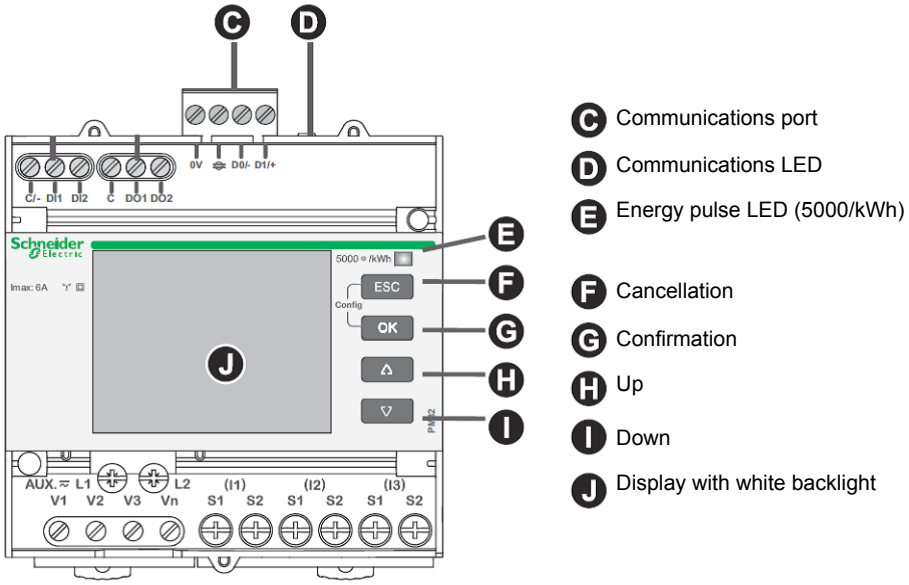
All R(C/H)ME-AH2 units.

8.14.2 Main specifications

- Power supply: 1~230V ±10% 50Hz
- Overall dimensions (in mm):



- Communication port protocol: Modbus, RS 485 interface
- DIN rail mounting
- Protection grade: IP40 on front panel, IP20 on Power Meter body
- Operating temperature: -25ºC ~ +55ºC
- Weight: 0.26kg
- Layout:



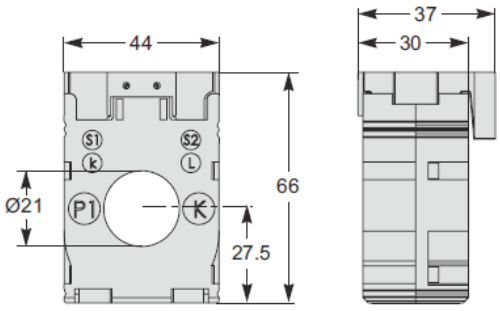
NOTE

For Power Meter device configuration see Product Manual PMML0349A.

◆ Current Transformers (CT)

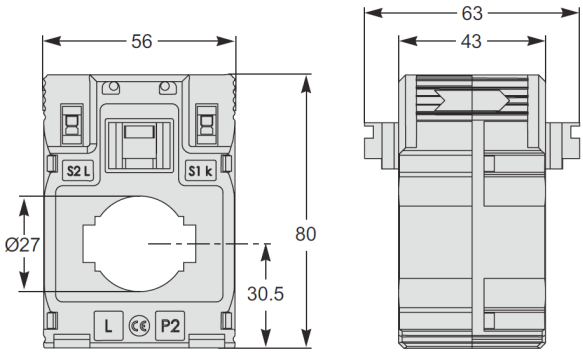
◆ In case of R(C/H)ME-(60-90)AH2:

- Overall dimensions (in mm):



◆ In case of R(C/H)ME-(120/140)AH2:

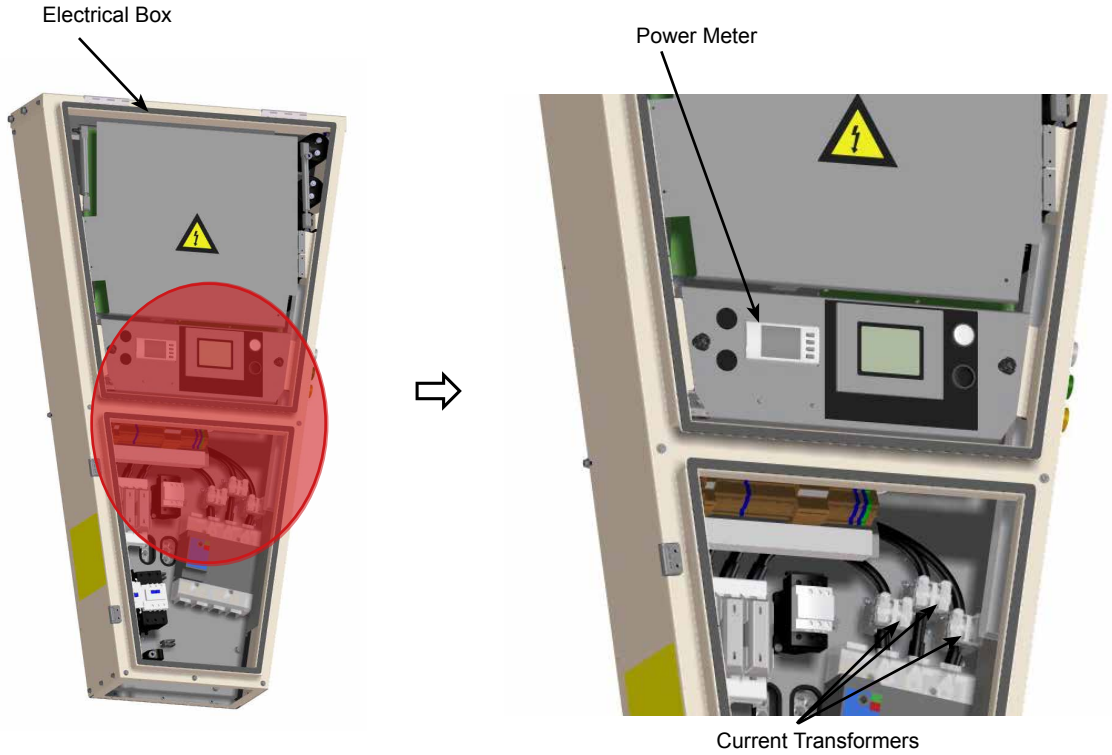
- Overall dimensions (in mm):



8.14.3 Assembly detail

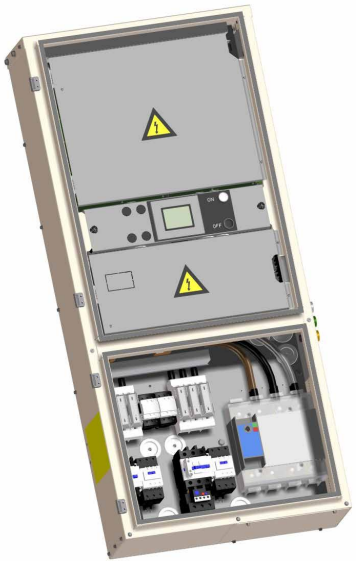
◆ **In case of R(C/H)ME-(60-90)AH2:**

STANDARD

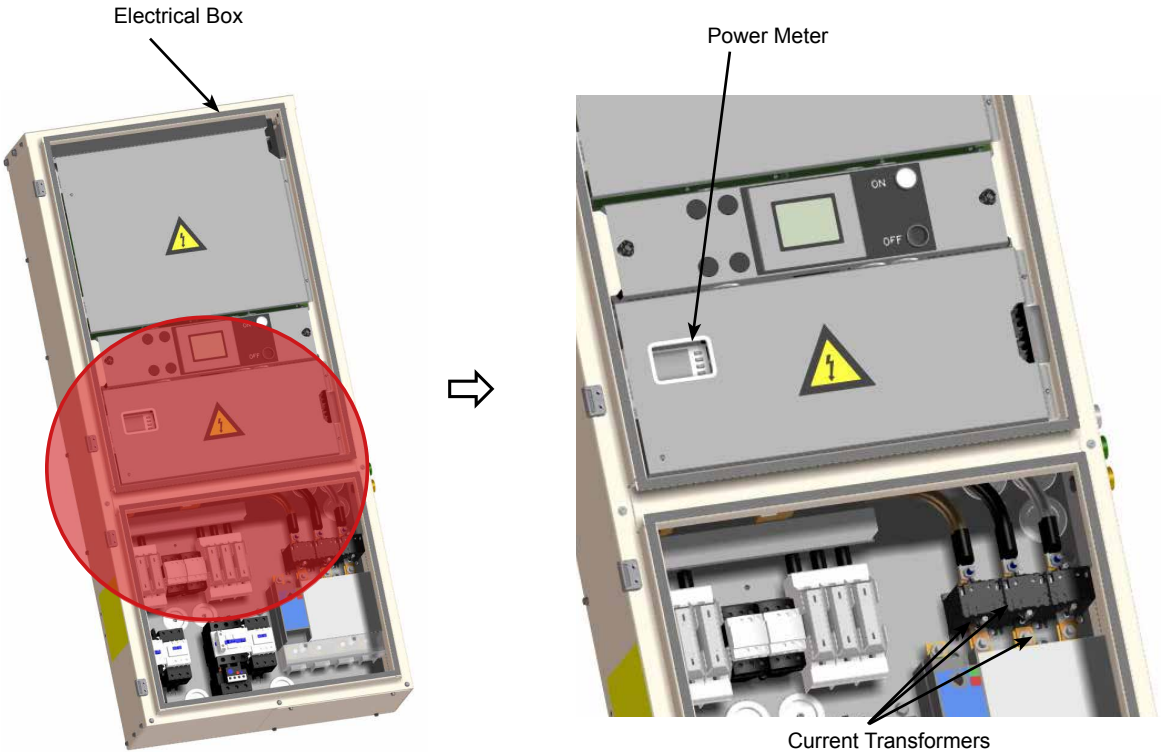


OPTION

◆ In case of R(C/H)ME-120/140AH2

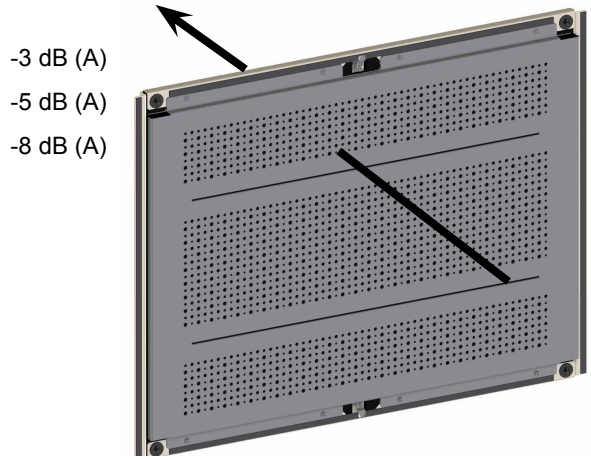


STANDARD



OPTION

8.15 Low Noise / Super Low Noise / Extra Super Low Noise Option



Cabinet enclosure assembled to reduce the sound of the compressor mainly.

3 different levels of sound reduction:

- 1) Low Noise (LN)
- 2) Super Low Noise (SLN)
- 3) Extra Super Low Noise (XSLN)

Easy and quick removal of the Panels for servicing and maintenance thanks to the use of the 1/4 lock system (with key) and snaps.

Aesthetic Unit Lower Panels - ST OPTION is included only in case of R(C/H)ME-60/70AH2 units.

8.15.1 Applicable models

All R(C/H)ME-AH2 units.

8.15.2 Main specifications

- 3 different levels of sound reduction available to match customer necessities:
  - 1) Low Noise (LN): -3dB(A)
  - 2) Super Low Noise (SLN): -5dB(A)
  - 3) Extra Super Low Noise (XSLN): -8dB(A)
- Performance is not decreased, and working range is not changed for the LN and SLN options.
- Applied items:

  a. Panels around the unit

  b. Panels at the bottom of the unit

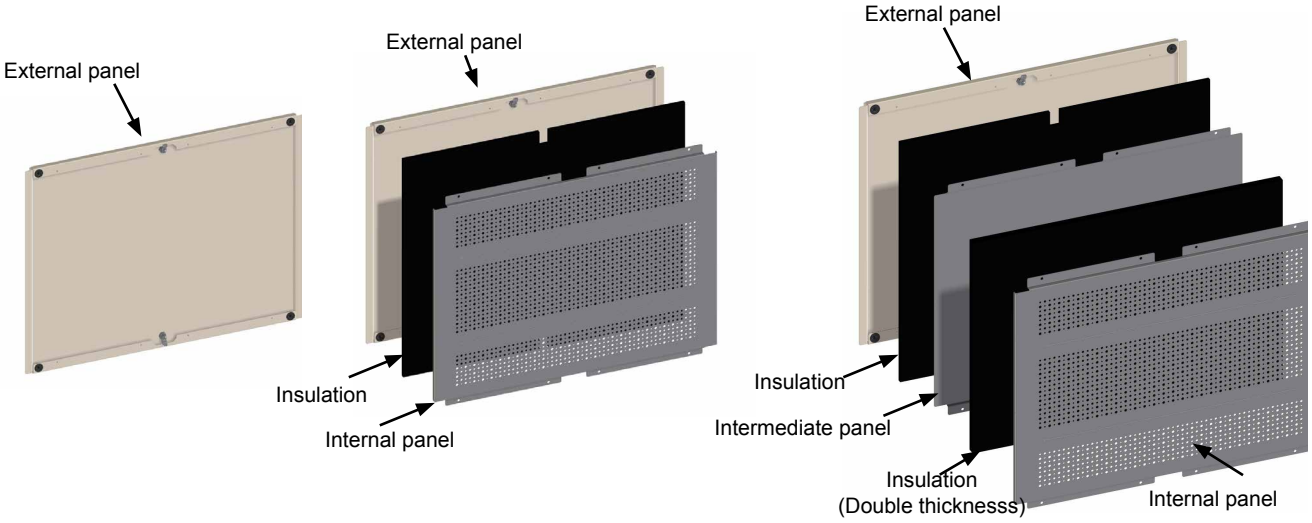
  c. Blanket insulation for compressor

  d. Reduction of Fan speed

◆ Panels around the unit

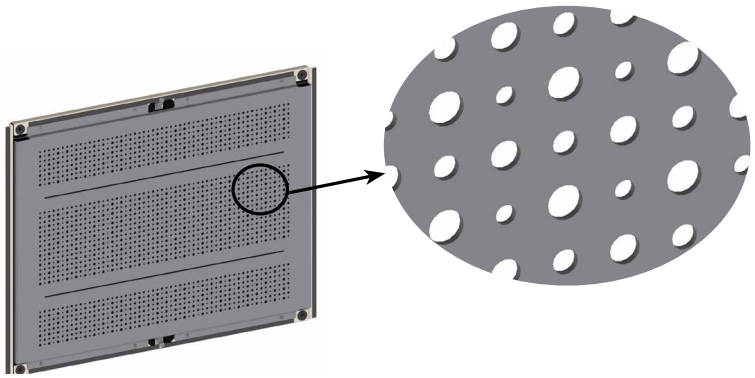
- Panels assembled around the unit (right, left, front and rear sides) to mitigate the sound of the compressor mainly. Located just below the Air Heat Exchangers area.
- The design of the Panels (holes' diameter) as well as the selection of the acoustic material is done based on real compressor sound spectrum data in order to defeat the sound at the most critical and significant frequencies.
- The structure of the panels is different depending on the chosen noise level:
  - Low Noise: simple panel
  - Super Low Noise: double panel (sandwich)
  - Extra Super Low Noise: triple panel (double sandwich)

- The exploded scheme below shows the detail of the Panel assembly.

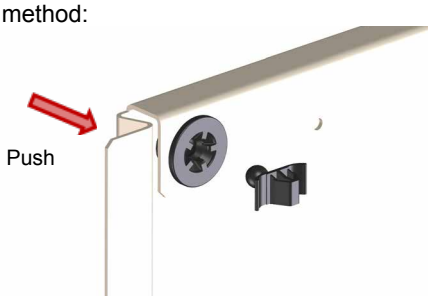


LOW NOISE *SUPER LOW NOISE* *EXTRA SUPER LOW NOISE*

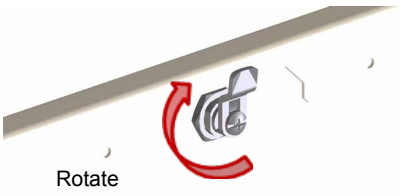
- Internal Panels design: specific holes on the internal panels helps to improve significantly the sound absorption inside the unit.



- Material of the Panels: galvanized steel in case of internal and intermediate panels, with polyester powder painting in case of external panels.
- External Panels Colour: Natural Grey T (textured).
- Insulation: special acoustic material to reduce the sound transmission as well as the sound absorption.
- Fixing method:



Snaps at the 4 corners of the Panel



1/4 lock system at the centre of the Panel.

- Panels' removal: use specific key attached to the unit.

◆ Panels at the bottom of the unit

- Panels assembled at the bottom of the unit to mitigate the sound of the compressor mainly. Located at the base structure of the unit.
- Material of the Panels: galvanized steel (not painted).
- The structure of the panels is different depending on the Low Noise level:
  - Low Noise: simple panel
  - Super Low Noise: double panel (sandwich)
  - Extra Super Low Noise: triple panel (double sandwich)

  (same concept as for the Panels around the unit)

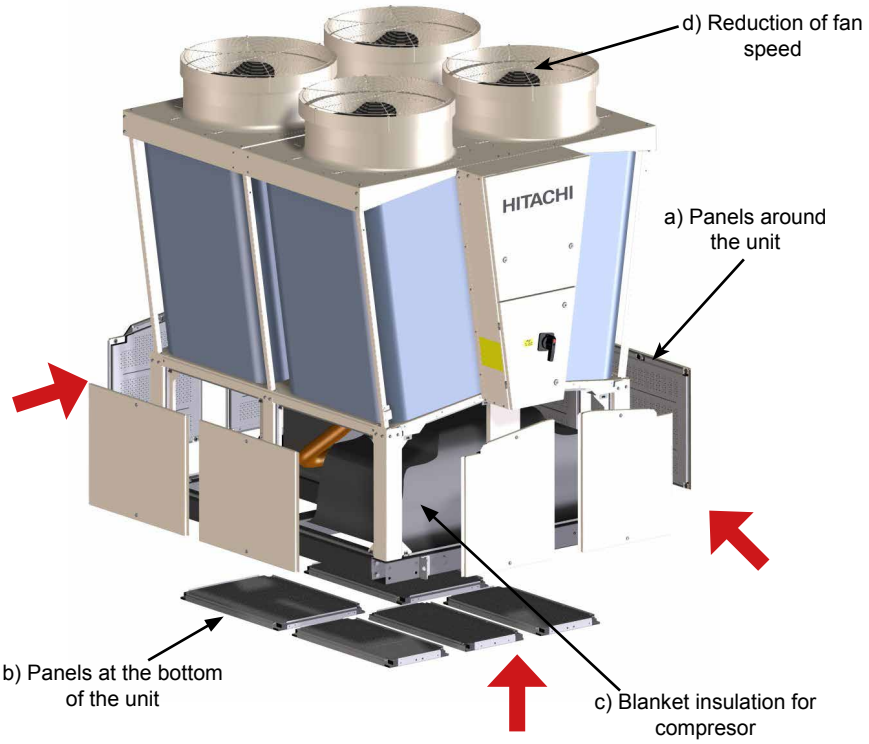
◆ Blanket insulation for Compressor

- Insulation installed covering the compressor.
- This item is applied only to the Extra Super Low Noise option (XSLN).

◆ Reduction of Fan speed

- Maximum Fan speed revolution (rpm) is limited to reduce the noise caused by the Fan.
- This item is applied only to the Extra Super Low Noise option (XSLN).
- Slight decrease in performance and operating range (see Chapter Unit performance data and working range).

Exploded view showing the panels and their location:



8.15.3 Unit noise data

Model	"Low Noise verison"	Sound Power level (dB) Frequency Band (Hz) 63	125	250	500	1000	2000	4000	8000	"Overall (dBA)"
R(C/H)ME-60AH2	LN	103	94	90	89	90	80	67	59	93
	SLN	101	92	88	87	88	78	65	57	91
	XSLN	98	89	85	84	85	75	62	54	88
R(C/H)ME-70AH2	LN	104	95	91	90	91	81	68	60	94
	SLN	102	93	89	88	89	79	66	58	92
	XSLN	99	90	86	85	86	76	63	55	89
R(C/H)ME-80AH2	LN	105	96	92	91	92	82	69	61	95
	SLN	103	94	90	89	90	80	67	59	93
	XSLN	100	91	87	86	87	77	64	56	90
R(C/H)ME-90AH2	LN	106	97	93	92	93	83	70	62	96
	SLN	104	95	91	90	91	81	68	60	94
	XSLN	101	92	88	87	88	78	65	57	91
R(C/H)ME-120AH2	LN	106	97	93	92	93	83	70	62	96
	SLN	104	95	91	90	91	81	68	60	94
	XSLN	101	92	88	87	88	78	65	57	91
R(C/H)ME-140AH2	LN	107	98	94	93	94	84	71	63	97
	SLN	105	96	92	91	92	82	69	61	95
	XSLN	102	93	89	88	89	79	66	58	92

8.15.4 Unit weight

The weight of the unit is increased compared to the Standard unit due to the weight of the additional Panels mainly:

◆ **RCME-AH2**

Model	"Low Noise Version"	"Shipping weight (kg)"	"Operating weight (kg)"
RCME-60AH2	Standard	1265	1300
	LN	1360	1395
	SLN	1420	1455
	XSLN	1485	1520
RCME-70AH2	Standard	1295	1340
	LN	1390	1435
	SLN	1450	1495
	XSLN	1515	1560
RCME-80AH2	Standard	1550	1590
	LN	1650	1690
	SLN	1710	1750
	XSLN	1775	1815
RCME-90AH2	Standard	1635	1680
	LN	1735	1780
	SLN	1795	1840
	XSLN	1860	1905
RCME-120AH2	Standard	2565	2640
	LN	2755	2830
	SLN	2875	2950
	XSLN	3005	3080
RCME-140AH2	Standard	2625	2720
	LN	2815	2910
	SLN	2935	3030
	XSLN	3065	3160

◆ **RHME-AH2**

Model	"Low Noise Version"	"Shipping weight (kg)"	"Operating weight (kg)"
RHME-60AH2	Standard	1365	1400
	LN	1460	1495
	SLN	1520	1555
	XSLN	1585	1620
RHME-70AH2	Standard	1380	1420
	LN	1475	1515
	SLN	1535	1575
	XSLN	1600	1640
RHME-80AH2	Standard	1635	1680
	LN	1735	1780
	SLN	1795	1840
	XSLN	1860	1905
RHME-90AH2	Standard	1720	1760
	LN	1820	1860
	SLN	1880	1920
	XSLN	1945	1985
RHME-120AH2	Standard	2765	2820
	LN	2955	3010
	SLN	3075	3130
	XSLN	3205	3260
RHME-140AH2	Standard	2795	2880
	LN	2985	3070
	SLN	3105	3190
		3235	3320

8.15.5 Unit performance data and working range

Only in case of Extra Super Low Noise option (XSLN), the performance of the unit shall be re-rated based on correction factors shown in the following table:

◆ Cooling mode

	Correction factor	
	Tamb ≥ 20ºC	Tamb < 20ºC
CCAP	0.98	1.00
IPT	1.03	1.00
EER	0.95	1.00

Maximum Ambient temperature: Tamb=42°C.

◆ Heating mode

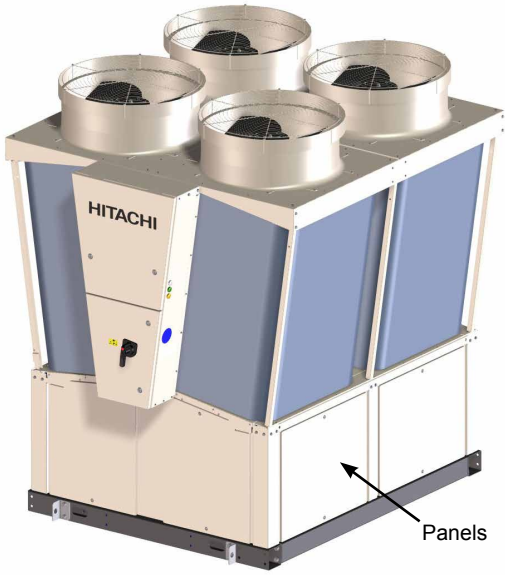
	Correction factor
HCAP	0.97
IPT	1.02
COP	0.95

Maximum Ambient temperature: not changed.

8.15.6 Assembly detail

◆ In case of R(C/H)ME-60/70AH2

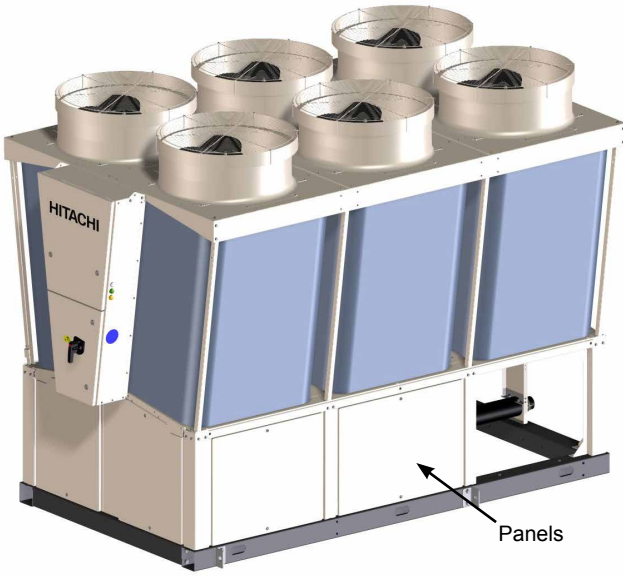
Standard



Option

◆ In case of R(C/H)ME-80/90AH2

Standard



Option

◆ In case of R(C/H)ME-120/140AH2

Standard

Option

8.16 Differential Water Pressure Switch Option

The differential pressure Switch is a safety device used to avoid the chiller running when the system water flow is insufficient, and therefore avoid water freezing inside the Plate Heat Exchanger.

It measures the water pressure difference between water inlet and water outlet.

Thanks to this device, the unit can be protected under several conditions like pump stopped or locked, pipe clogging, dirty Plate Heat Exchanger, etc…

8.16.1 Applicable models

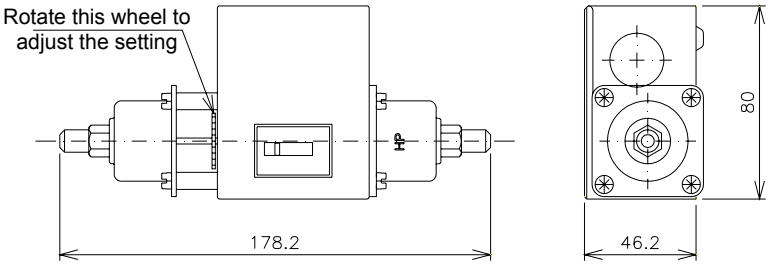
All R(C/H)ME-AH2 units

8.16.2 Main specifications

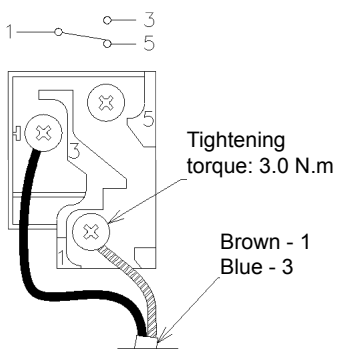
- Auto reset.
- Manually adjustable.
- Protection grade of the whole assembly: IP45.
- Factory setting:

"Module (HP)"	Minimum Water Flow (m^3/h)	
	RCME-AH2	RHME-AH2
60HP	17,2	16,1
70HP	19,4	18,3
80HP	22,0	21,0
90HP	24,2	22,6
120HP	34,4	32,3
140HP	38,7	36,6

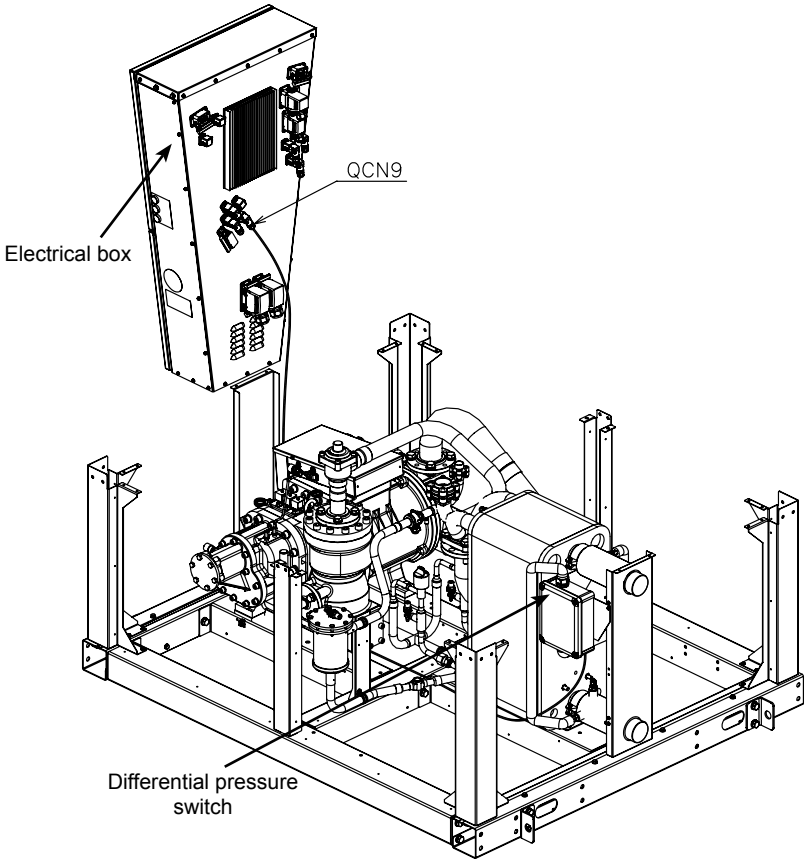
- Overall dimensions (in mm):



- Protection grade of the whole assembly: IP45.
- Electrical connections of the Differential pressure switch device:



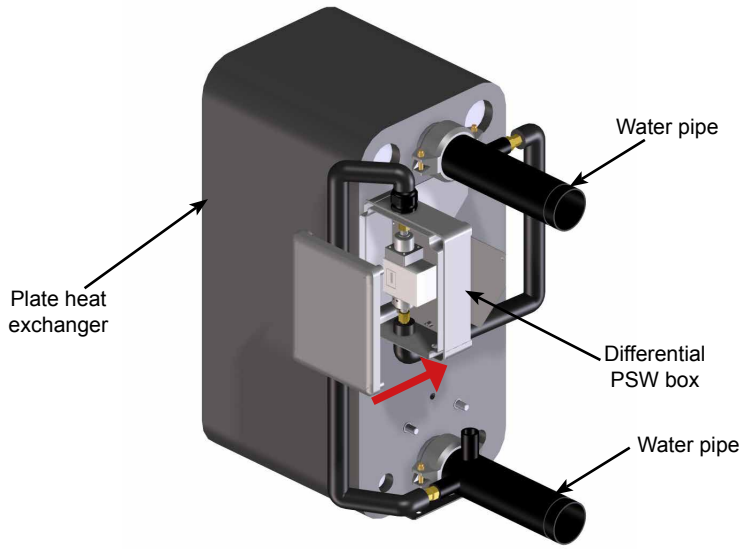
8.16.3 Assembly detail



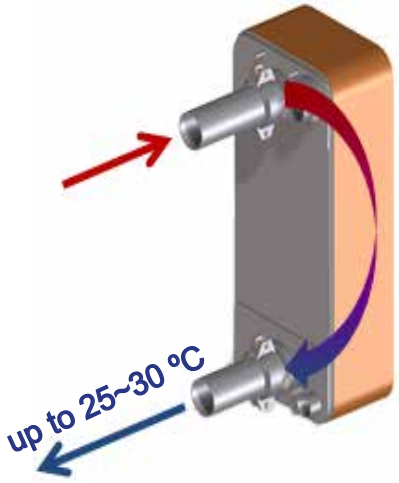
NOTE

The port for the Differential Pressure Switch cable at the rear side of the Electrical Box is the QCN9 for R(C/H)ME-60/70AH2, and the QCN9L and QCN9R for the R(C/H)ME-80/90AH2.

Assembly detail (example of RCME-AH2): the Differential pressure switch device is encapsulated in a Plastic Box



8.17 High water outlet temperature option



The maximum water outlet temperature is increased from 15°C up to 25~30°C (depending on the unit type).

The software will automatically change the superheat target aiming to decrease the suction pressure and optimize the performance.

Stainless Steel Water Pipe OPTION is also included.

An additional 2 litres charge of oil is made to protect the compressor, especially under overload conditions.

8.17.1 Applicable models

All R(C/H)ME-AH2 units

8.17.2 Main specifications

- Water pipe: changed from carbon steel to stainless steel AISI 304 to reduce pipes erosion.
- Maximum water flow rate increases: 1.5 times compared to the Standard unit one.
- Minimum water flow rate is different from standard units only in case of RCME-AH2:

◆ **RCME-AH2**

Module	Minimum Water Flow (m³/h)	
	Standard	Option
60HP	17,2	28,4
70HP	19,4	31,4
80HP	22,0	35,1
90HP	24,2	38,1
120HP	34,4	56,7
140HP	38,7	62,7

◆ **RCME-AH2**

Module	Minimum Water Flow (m³/h)	
	Standard	Option
60HP	16,1	26,9
70HP	18,3	29,9
80HP	21,0	33,6
90HP	22,6	35,9
120HP	32,3	53,7
140HP	36,6	59,7

NOTE

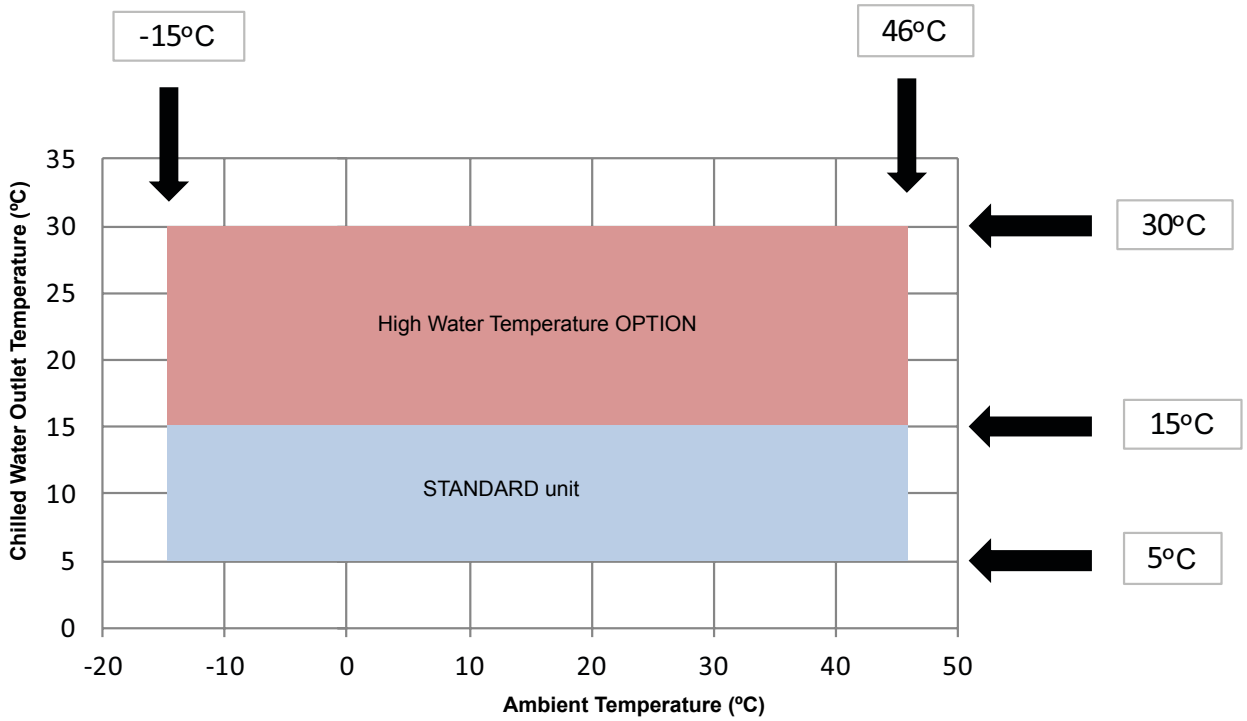
Only for Water Outlet Temperature from 25°C to 30°C (25°C≤Two≤30°C)

Total oil charge:

Unit	Oil (litres)	
	Standard	Option
RCME-60/70AH2	6	8
RCME-80/90AH2	8	10
RCME-120/140AH2	12	16
RHME-60/70AH2	13	15
RHME-80/90AH2	13	15
RHME-120/140AH2	26	30

If customers do not wish to use stainless steel material for the pipes, HITACHI recommends to select a minimum size of 3” water pipes to avoid quick erosion.

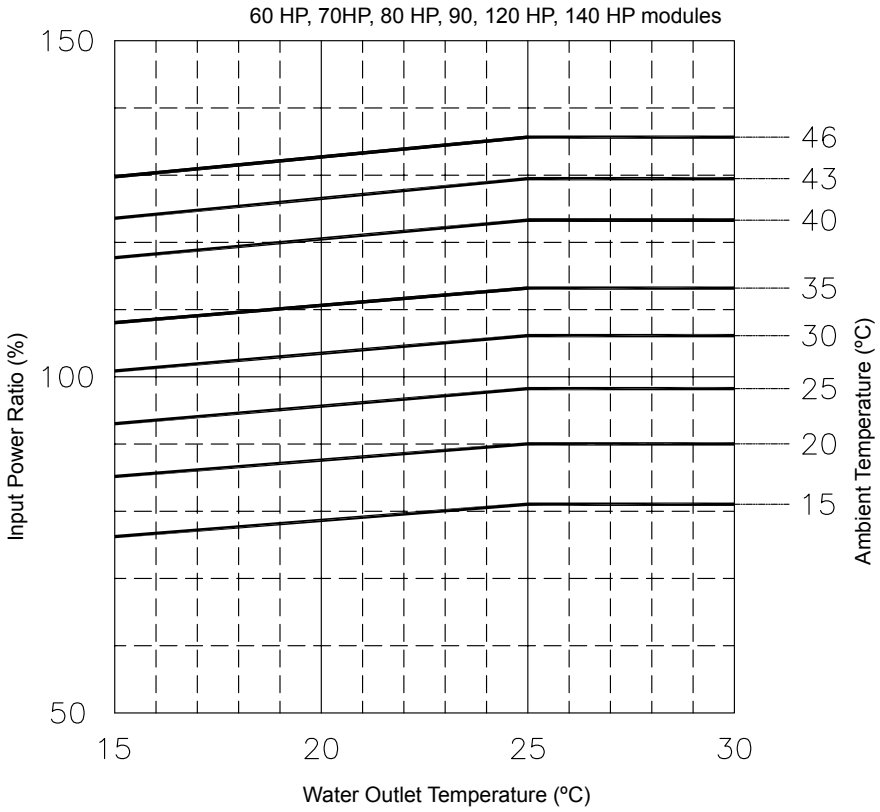
8.17.3 New working range



8.17.4 Performance correction tables

◆ **R(C/H)ME-AH2**

Input power:

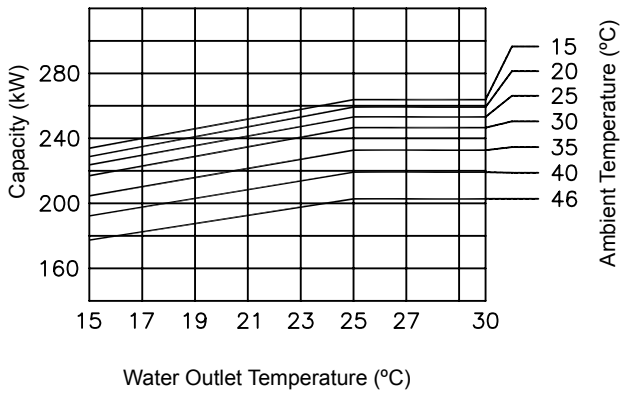


NOTE

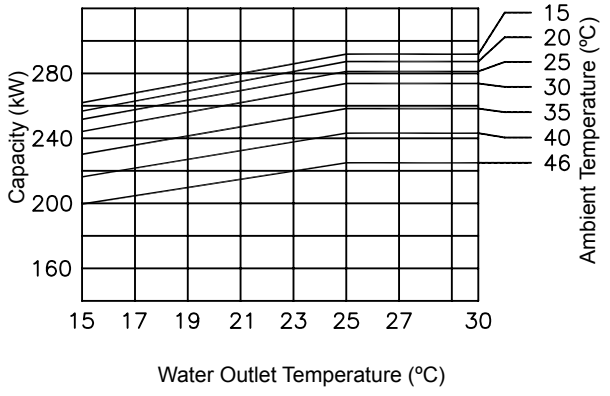
- *For ambient temperatures below 15°C, use the curve for 15°C.*
- *The 100 % ratio corresponds to the Input Power of the unit at the condition of 7ºC water outlet temperature and 35ºC ambient temperature.*

Capacity for RCME-AH2:

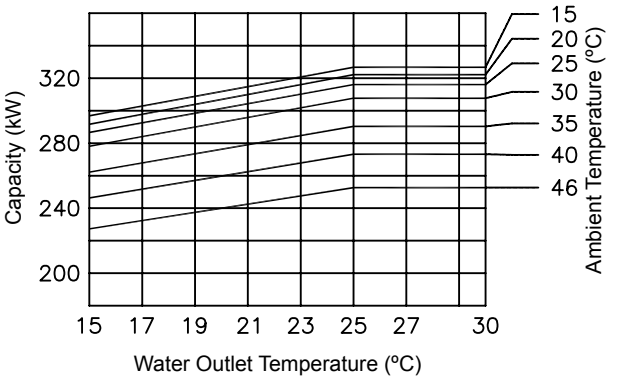
60 HP module



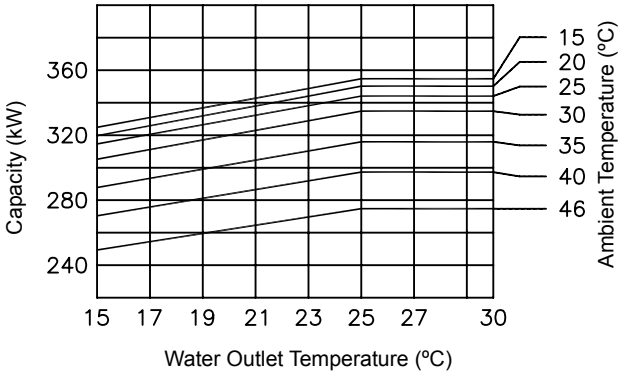
70 HP module



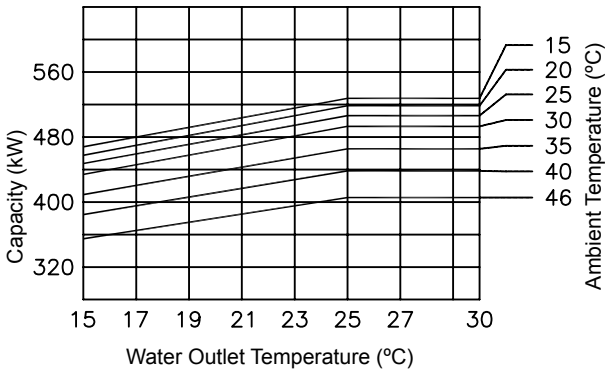
80 HP module



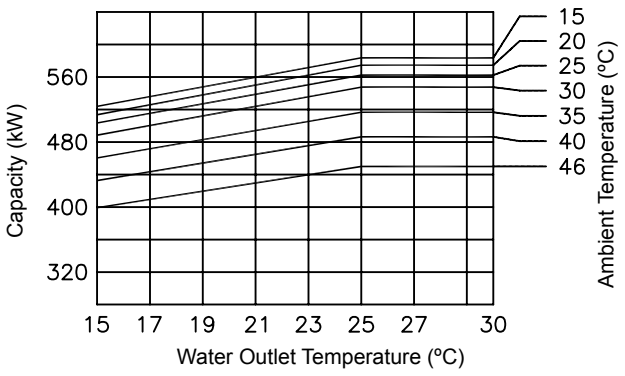
90 HP module



120 HP module



140 HP module

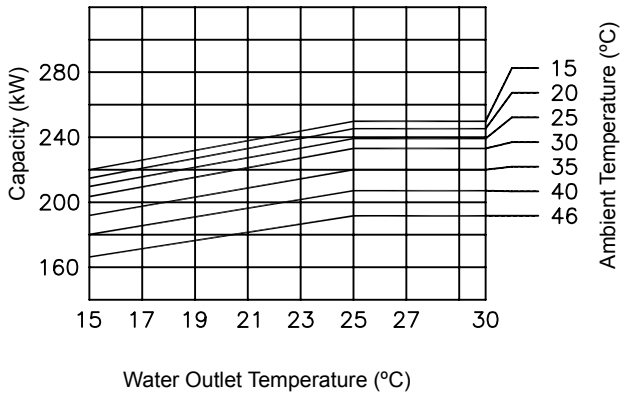


NOTE

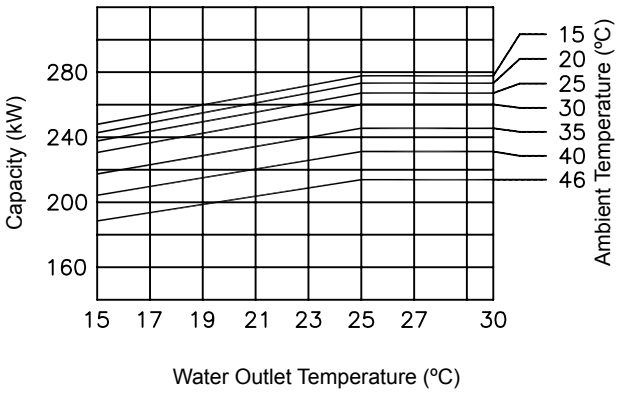
- *For ambient temperatures below 15 °C, use the curve for 15 °C.*
- *Pump consumption is not included.*

Capacity for RHME-AH2:

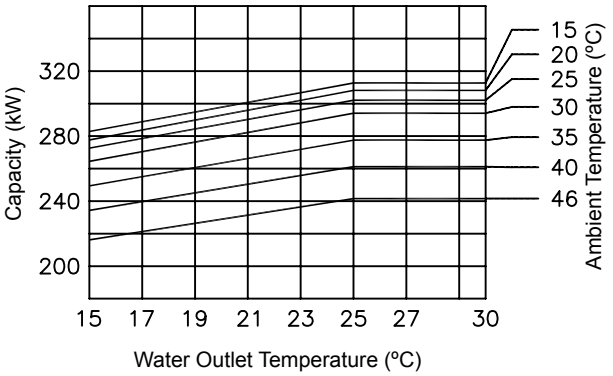
60 HP module



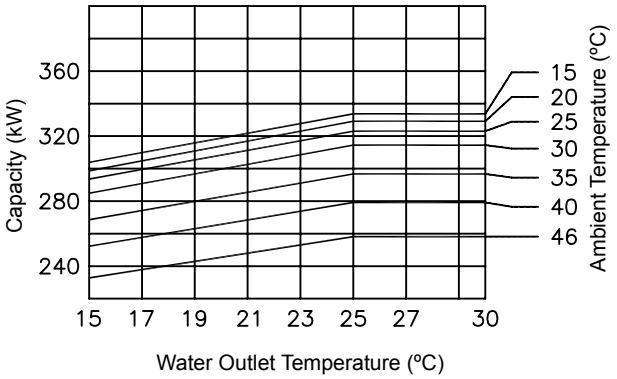
70 HP module



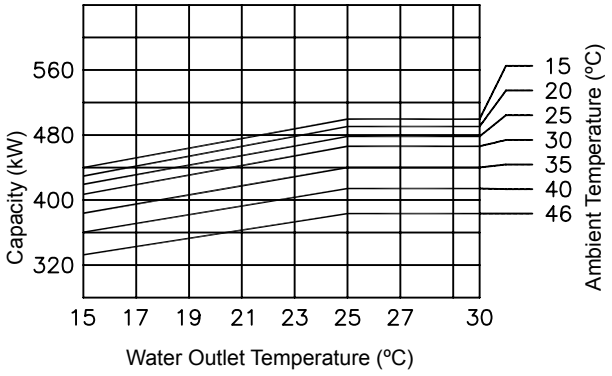
80 HP module



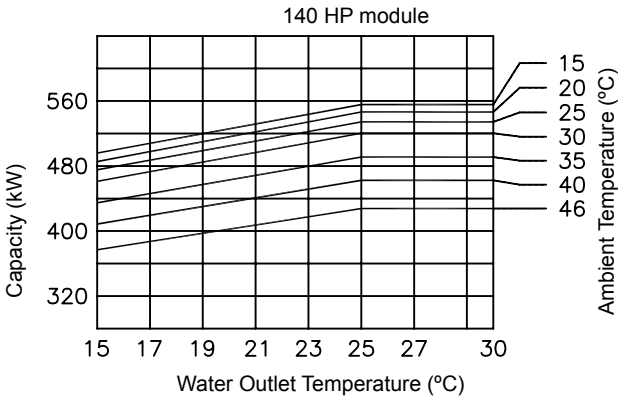
90 HP module



120 HP module



140 HP module



NOTE

- *For ambient temperatures below 15 °C, use the curve for 15 °C.*
- *Pump consumption is not included.*

8.18 Common Water Pipe

The Common Water Pipe collects water from both cycles, providing a single water inlet and outlet connections.

Thanks to this option the water distribution is equal to each circuit, avoiding bad water distribution that could cause unit malfunction.

The maximum allowable pressure is 16bar.

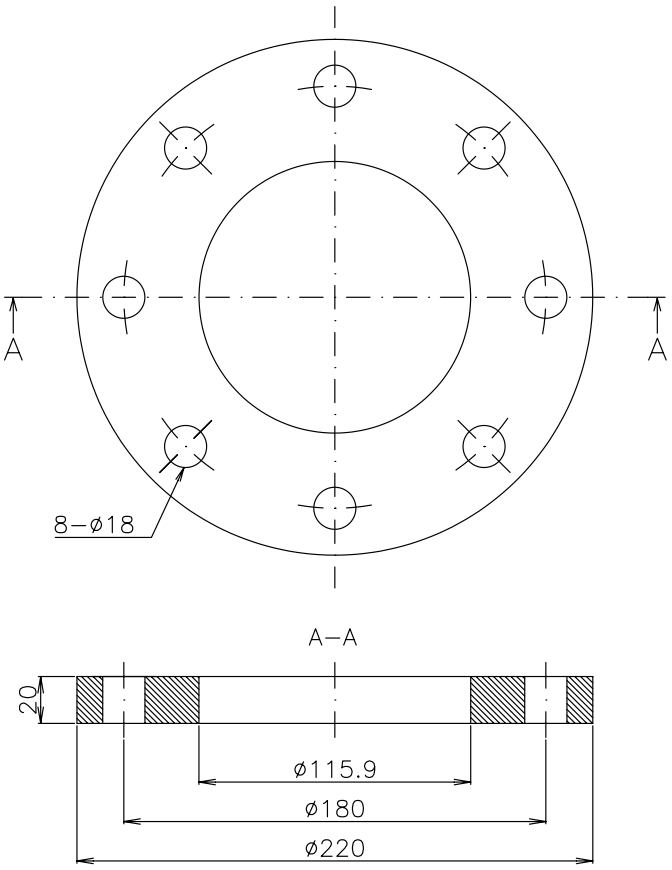
Water Pressure Port OPTION is also included.

8.18.1 Applicable models

Only R(C/H)ME-(120/140)AH2 units

8.18.2 Main specifications

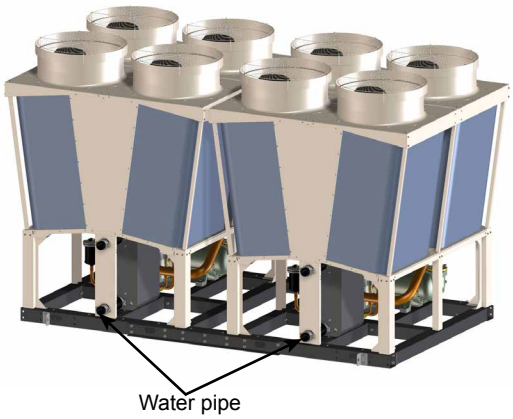
- Integrated in the unit (unit's outer dimensions are kept).
- Water Pipe made of carbon steel with cataphoresis treatment.
- Companion Flange made of carbon steel. To be painted after welding at site.
- Connection type and size: 4" flange



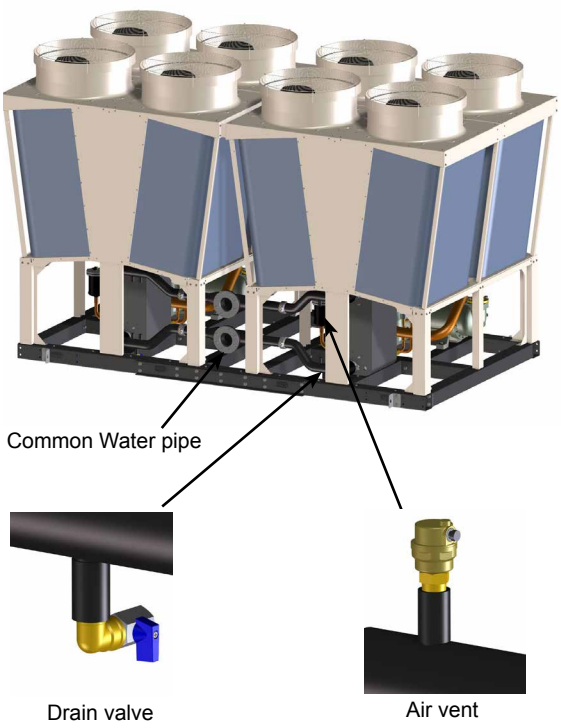
- Maximum working pressure: 16bar
- Water pipes are thermally insulated.
- Air Vent (automatic) at both branches: it purges the air in the system.
- Drain Valve at both branches: for draining the water of the system. Size: G-1/2" female

8.18.3 Assembly detail

STANDARD

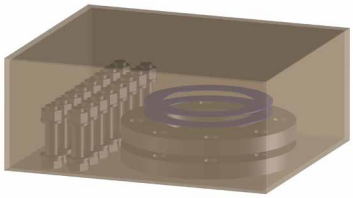


OPTION

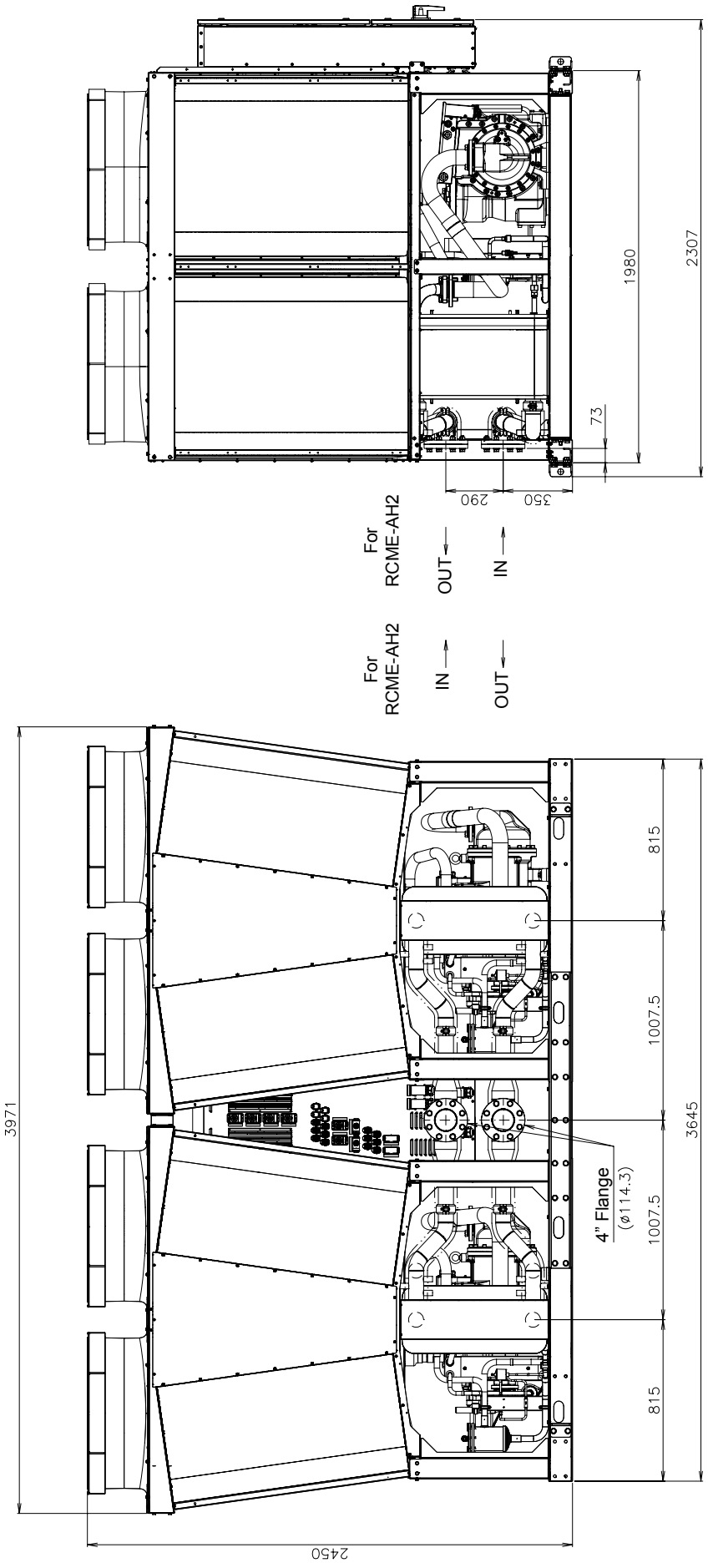


NOTE

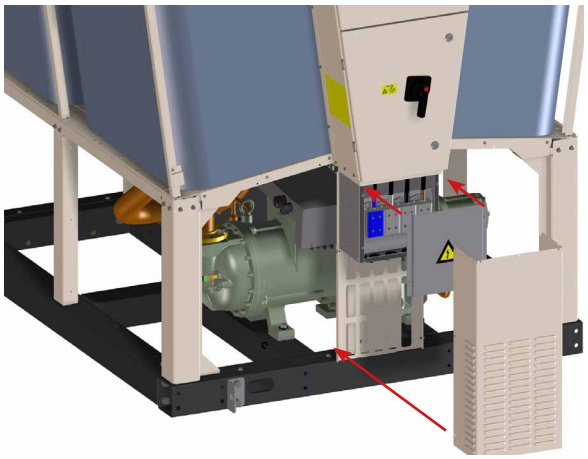
The Companion Flanges (x2), the Gaskets (x2), and the Bolts, Nuts, Plain Washers, Spring Washers (x16) are supplied loosen (in a Carton box inside the unit).



8.18.4 Dimensional drawing



8.19 Power cable routing W, WO Option



Additional connectors assembled in a water-proof box located below the Electrical Box, for easier power and control module-to-module wiring connections.

Includes vertical cover for hiding and protecting the cables.

2 different designs:

1) Power Cable Routing W: with terminal connectors

2) Power Cable Routing WO: without terminal connectors

8.19.1 Applicable models

R(C/H)ME-60/70/80/90AH2 units.

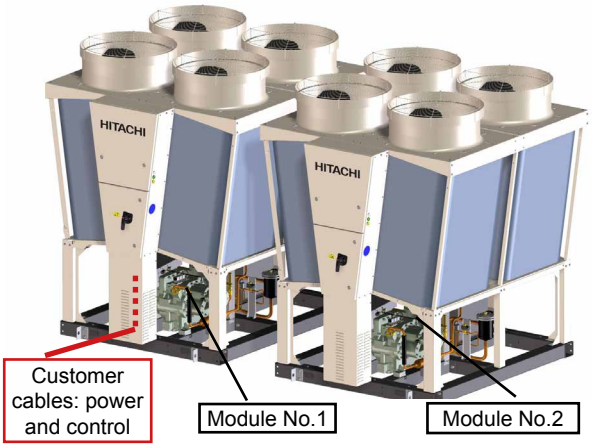
These options do not apply to the R(C/H)ME-120/140AH2 modules because they are built with one single Electrical Box.

8.19.2 Main specifications

Possible configurations:

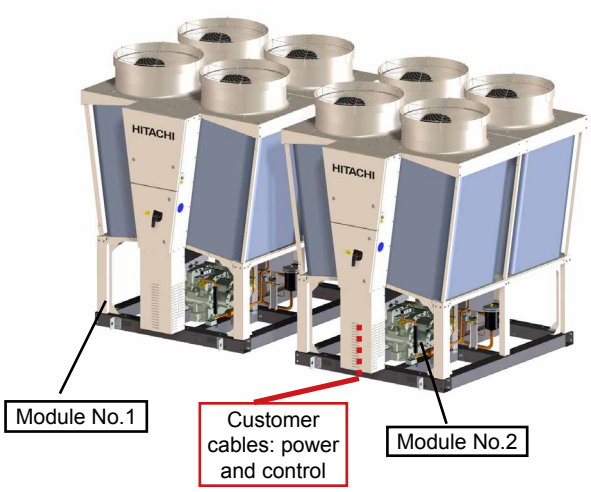
Maximum number of modules to be connected on site with these options: 3 modules.

- In case of 2 modules:



OPTION A

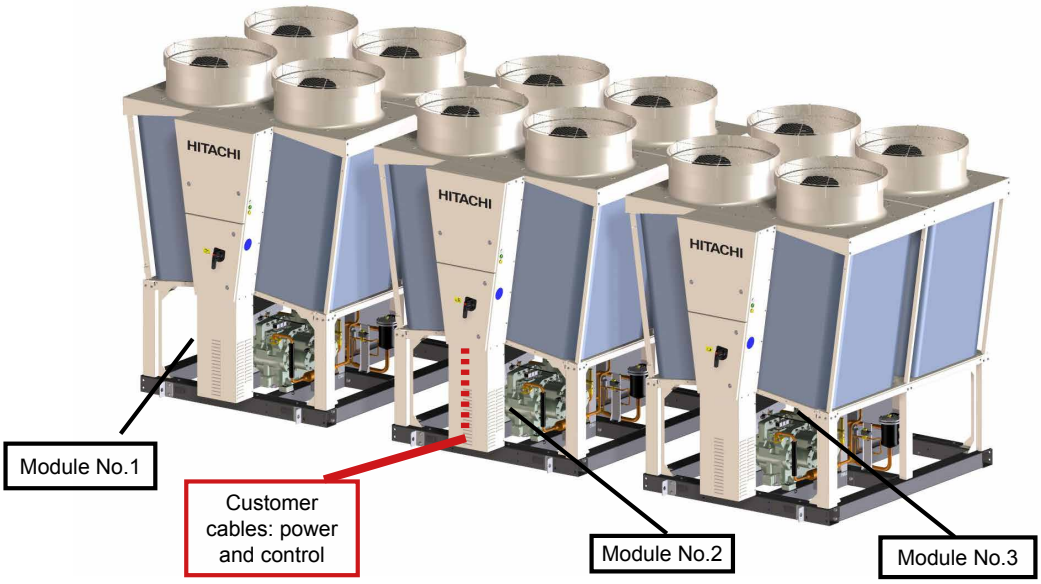
Module	Option
Module No.1	Power Cable Routing W
Module No.2	Power Cable Routing WO



OPTION B

Module	Option
Module No.1	Power Cable Routing WO
Module No.2	Power Cable Routing W

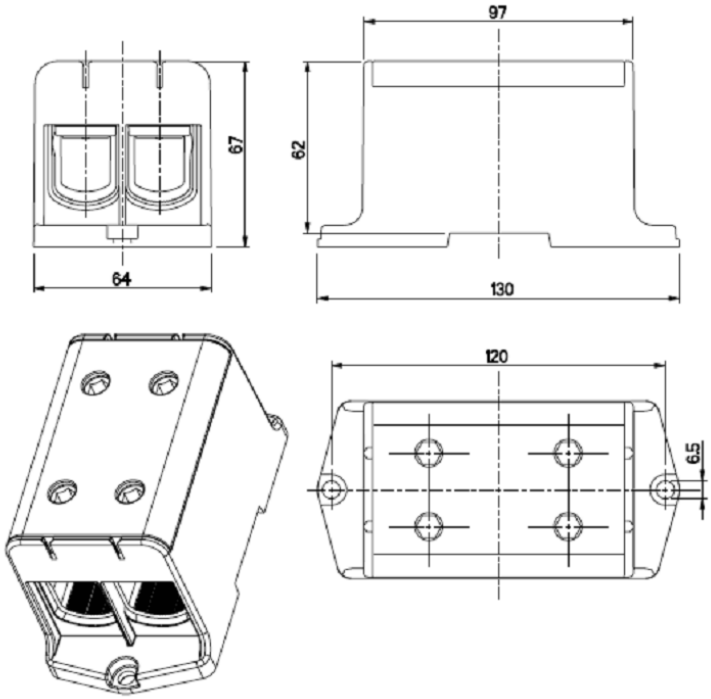
- In case of 3 modules:



Module	Option
Module No.1	Power Cable Routing WO
Module No.2	Power Cable Routing W
Module No.3	Power Cable Routing WO

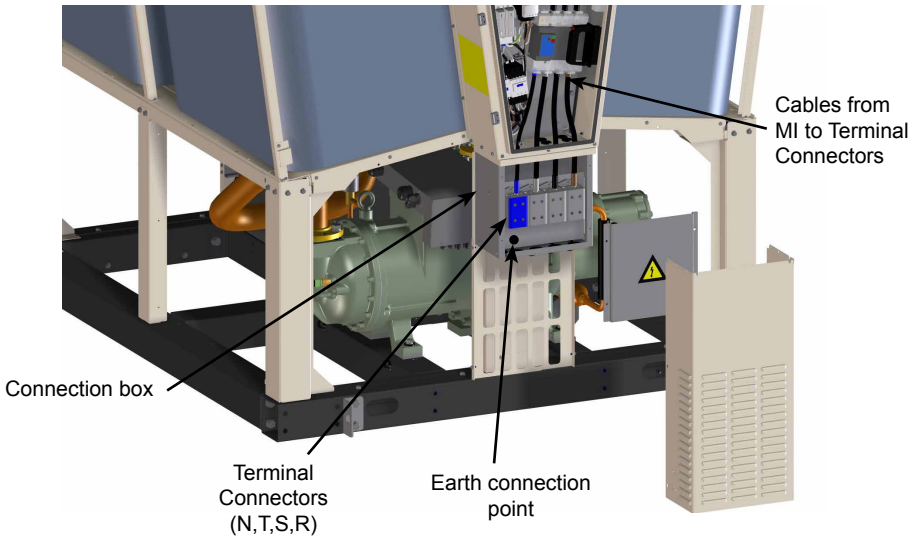
Terminal connectors:

- Cable size to be connected: 35 ~ 240mm².
- Colour: grey for R,S,T phases; light blue for Neutral.
- Tightening torque: 12N·m (35~70mm²); 45N·m (95~240mm²).
- Overall dimensions (in mm):

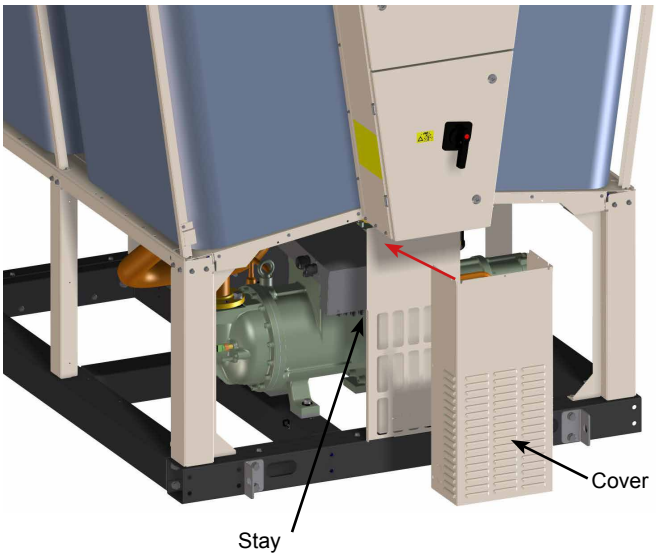


8.19.3 Assembly detail

◆ **Power Cable Routing W**

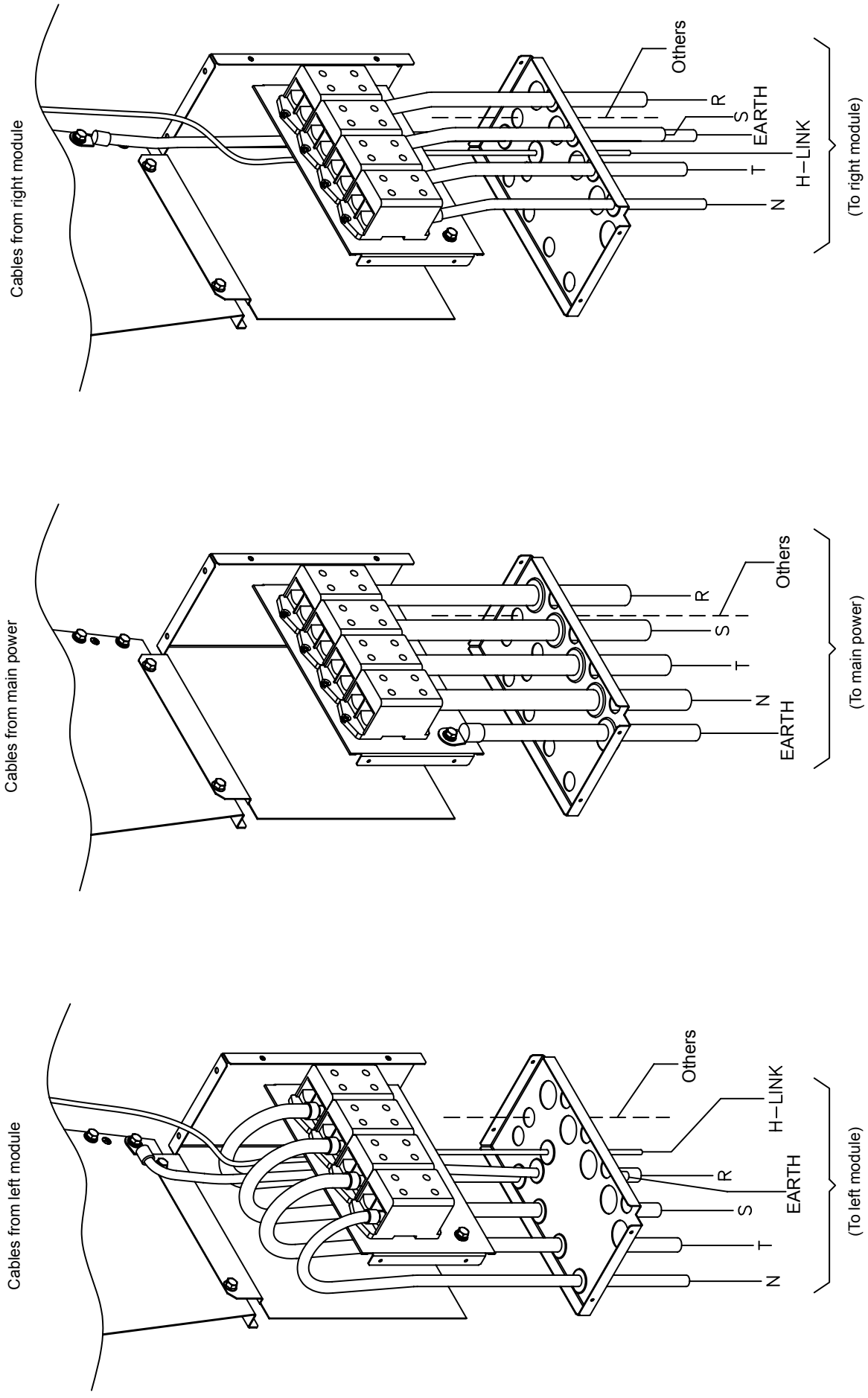


◆ **Power Cable Routing WO**



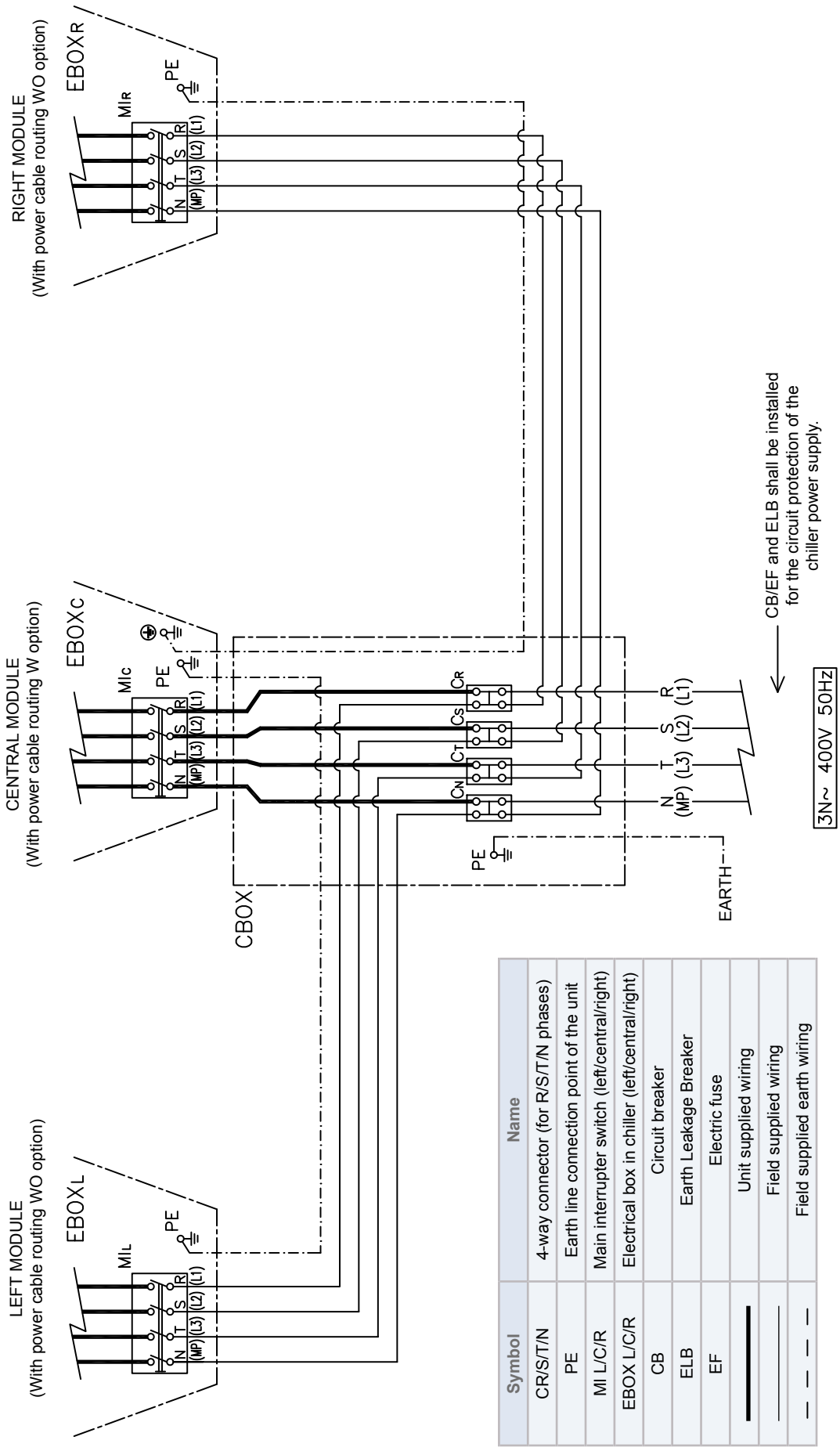
8.19.4 Electrical wiring connections (recommended)

◆ **Connections at central module**



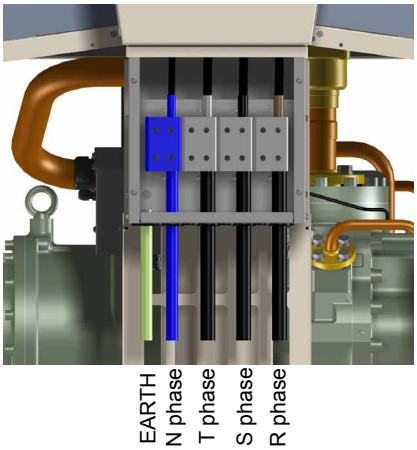
8

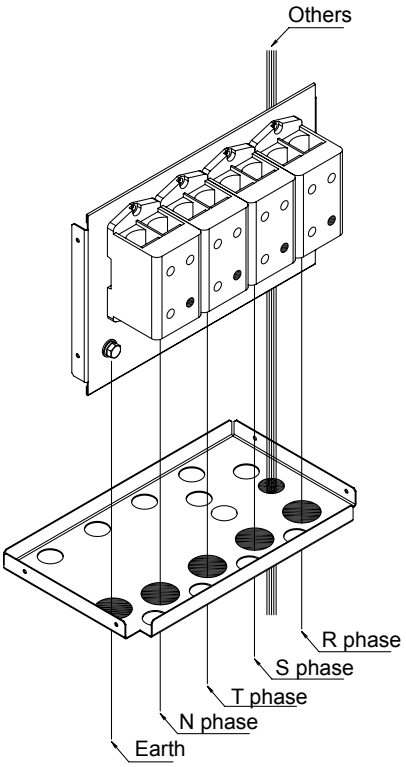
◆ Electrical wiring diagram



Symbol	Name
CR/S/T/N	4-way connector (for R/S/T/N phases)
PE	Earth line connection point of the unit
MI L/C/R	Main interrupter switch (left/central/right)
EBOX L/C/R	Electrical box in chiller (left/central/right)
CB	Circuit breaker
ELB	Earth Leakage Breaker
EF	Electric fuse
▬▬▬	Unit supplied wiring
———	Field supplied wiring
– – – –	Field supplied earth wiring

8.19.5 Customer cables connecting points





Recommended tightening torques:

- Earth: 24.5 N·m
- N,R,S,T phases: depending on the cable size:
  - 35~70mm^2 12 N·m
  - 95~240mm^2 45 N·m

8.20 Water Pressure Port Option

Additional pressure port on both water inlet and water outlet.

It facilitates easy on site rough measurement and evaluation of the pressure drop across the PHE to ensure it is not experiencing restricted flow rate due to contamination and clogging.

8.20.1 Applicable models

All R(C/H)ME-AH2 units

8.20.2 Main specifications

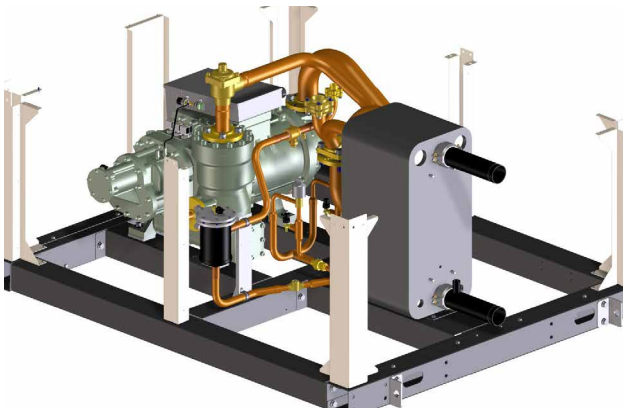
Port size: NPT 1/2” (female)

Both ports will be closed by a brass plug from factory.

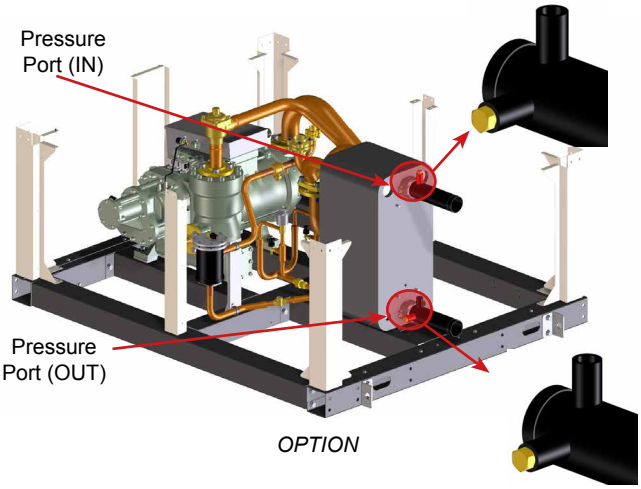
NOTE

- *These ports are suitable only for rough measurements of the unit’s pressure drop.*
- *If high accuracy is requested, it is recommended to keep a straight pipe with a length of 5 times the outlet diameter (5xØD) before and after the measuring point.*

8.20.3 Assembly detail

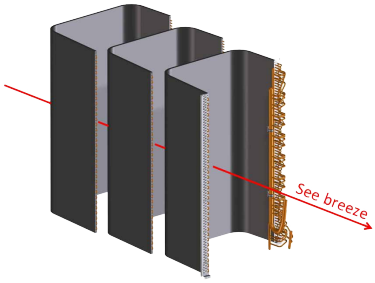


STANDARD



OPTION

8.21 Air heat exchangers heavy corrosion protection option



The air heat exchangers are protected to withstand at least 3500h in salty spray test.

Typical environments where units can be installed (in case of temperate climate): industrial areas with high humidity and aggressive atmosphere, costal areas with high salinity.

Units could be installed where they are not protected from direct see breeze, but they shall be protected from direct contact with salty water.

8.21.1 Applicable models

All R(C/H)ME-AH2 units

8.21.2 Main specifications

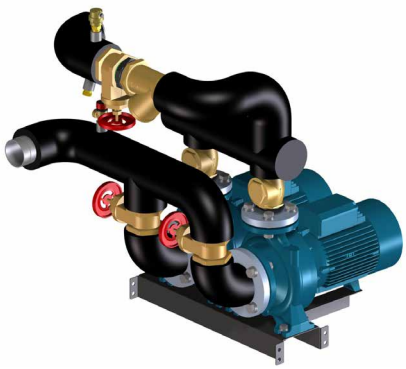
The Air Heat exchangers are protected to withstand at least 3500h in salty spray test according to DIN50021-SS, instead of the 480h of the standard Air Heat Exchangers.

Blygold treatment is applied to the aluminium fins for higher corrosion specification.

Each “U” coil section consists of 3 individual rows. Blygold treatment is applied to each row individually to ensure protection and coverage to all fin areas.

HITACHI cannot guarantee the same specification, if anti-corrosion treatment is applied after the unit has been manufactured. Effective coverage and penetration of the paint throughout the 3 coil rows cannot be guaranteed .

8.22 Pump kit Option



The Pump Kit is either a single pump or double pump system (back up) already connected to the chiller and fully integrated in the unit.

2 different pump sizes are available to match site requirements.

4 different designs:

1 Pump Kit SP1: single pump, standard pressure
2 Pump Kit SP2: single pump, high pressure
3 Pump Kit DP1: double pump, standard pressure
4 Pump Kit DP2: double pump, high pressure

Stainless Steel Water Pipe option is also included.

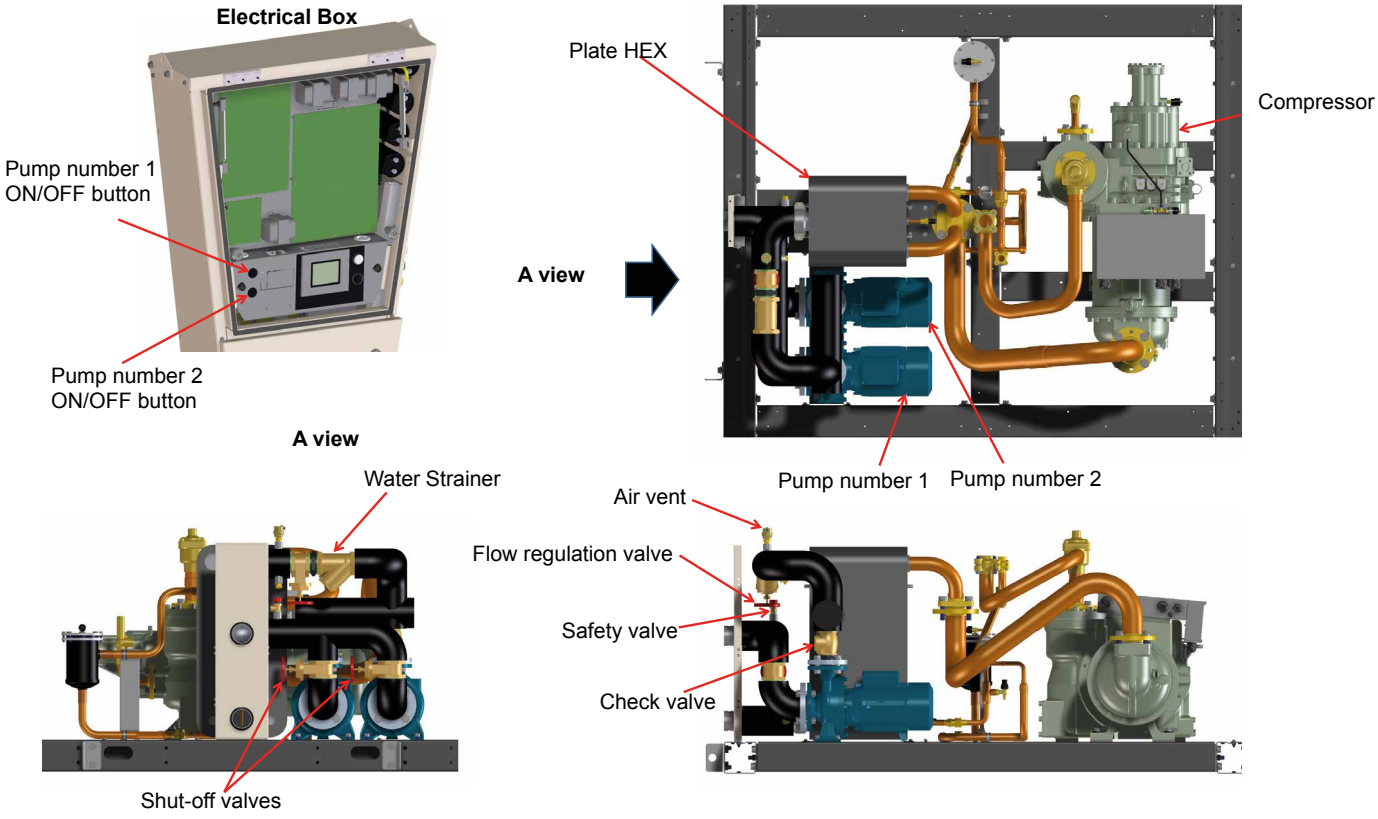
Water Pressure Port option is also included. Increased maximum flow rates are possible with this option.

8.22.1 Applicable models

All R(C/H)ME-AH2 units

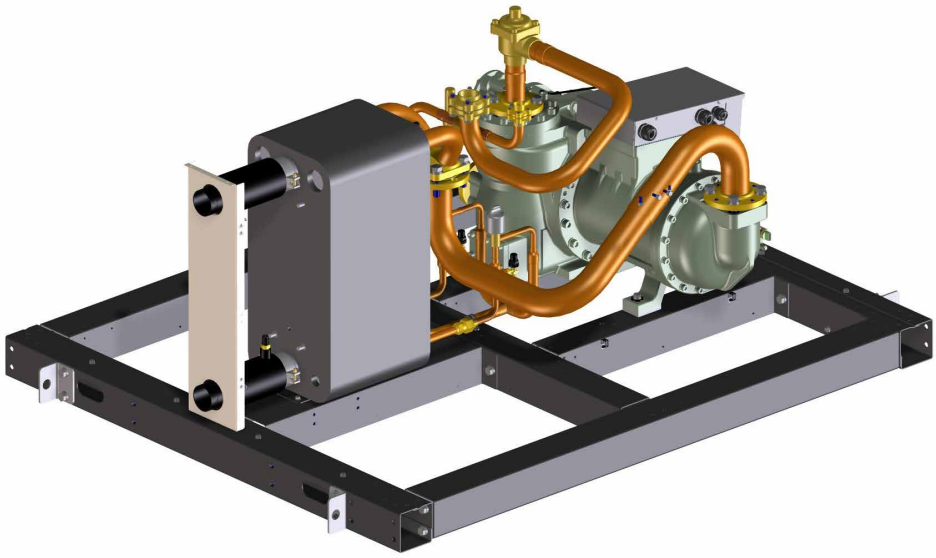
8.22.2 Layout

Below schematic is an example of the Double Pump Kit option

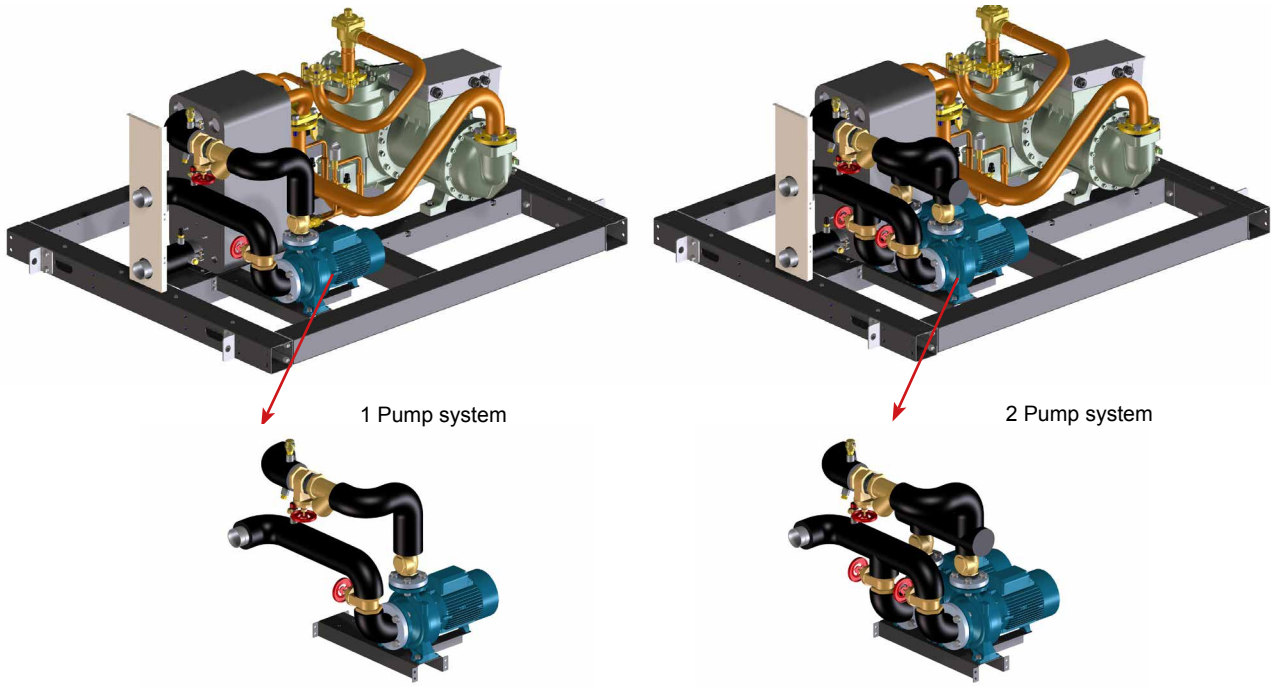


8.22.3 Assembly detail

◆ **RCME-AH2**

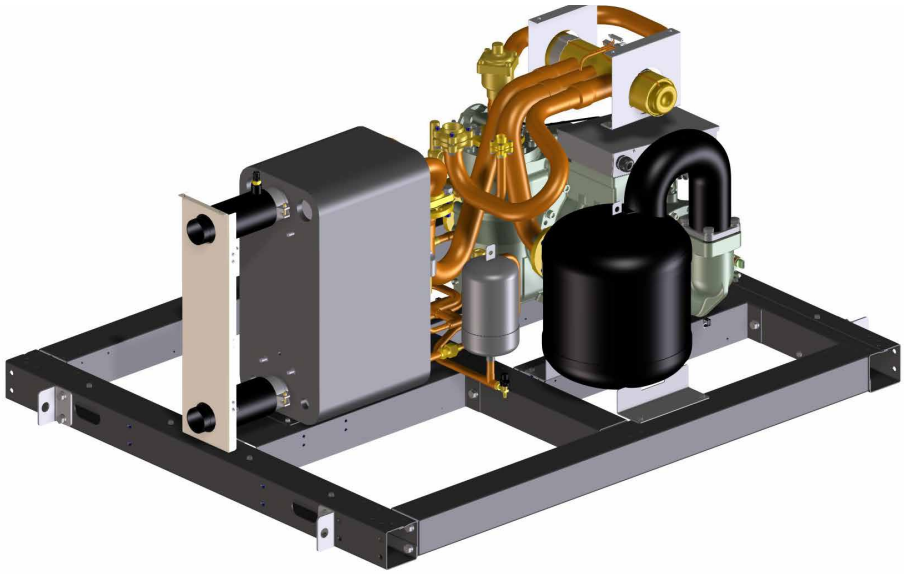


STANDARD

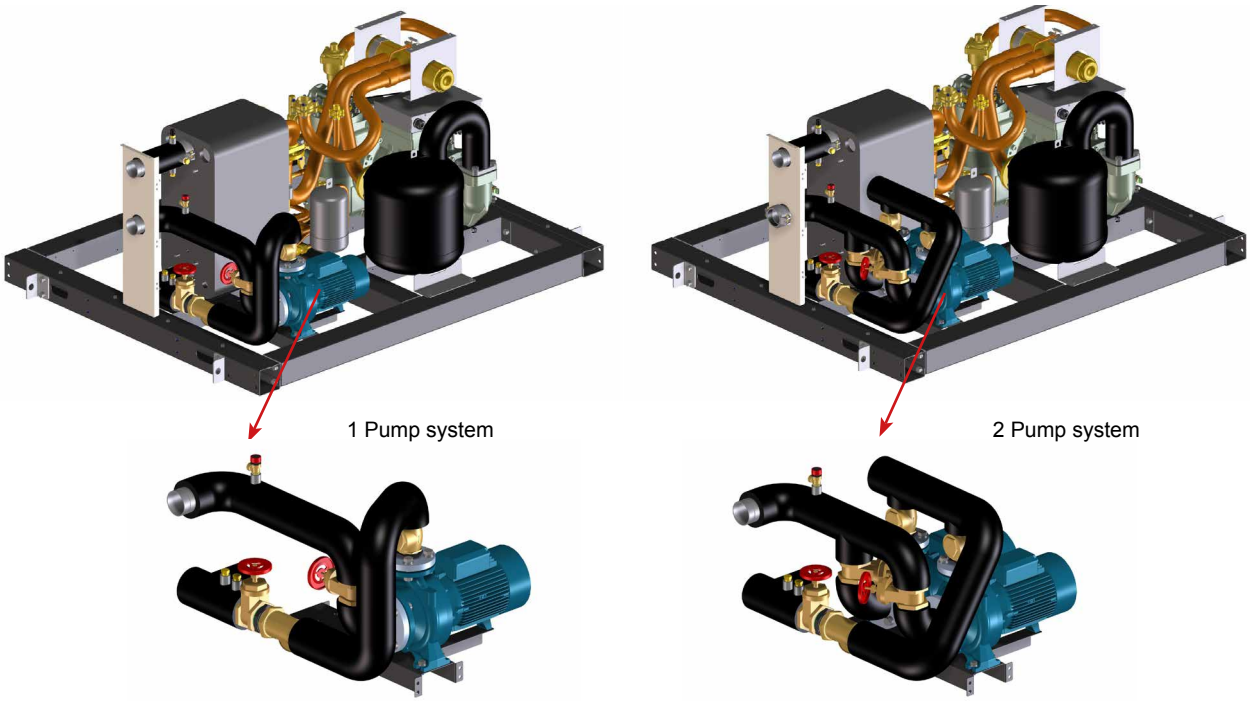


OPTION

◆ **RHME-AH2**



STANDARD



OPTION

8.22.4 Main specifications

◆ Technical specifications

- Maximum water pressure: 3bar
- Maximum Brine water: 40% glycol.
- Impeller: made of bronze to avoid corrosion and minimise the pump becoming immobilized (specially when pump is stopped for long periods).
- Water pipes: made of stainless steel.
  - Maximum water flow rate increases: 1.5 times compared to the Standard unit one.
- Water connections:
  - Size: 2.1/2” Victaulic / welding pipe (same as standard unit).
  - Location: both water outlet and inlet positions are not changed (same as standard unit).
- Insulations: suitable for external installations and UV resistant.
  - Air Vent (automatic). It purges the air in the system. Only in RCME-AH2.
  - Safety Valve set at 3 bar. It protects the installation against high pressure.
- Water Strainer: stainless steel screen with 0,8mm holes diameter. It protects the Plate Heat Exchanger against small foreign particles.
- Shut-off valves and Check valves are included to minimise maintenance work.
- Buffer tank and Expansion Vessel: not assembled.
  - It shall be installed at customer site; its size shall be fixed depending on customer installation size.

- Pump:

	Pumps specifications
Standard Voltage	380~415V, 50Hz
Number of phases	3
Output Power	3~4kW
Number of poles	2
Pump motor revolutions	~2900 rpm
Maximum Working Pressure	10bar (PN10)
Temperature range of pumped liquid	-10°C~+90°C
Maximum Ambient Temperature	46°C
Discharge port nominal diameter	40mm
Suction port nominal diameter	65mm
Impeller nominal diameter	160mm
Protection Grade	IP54
Insulation Class	F
Sound Pressure level (*)	<70 dBA
Maximum number of starts per hour	20

NOTE

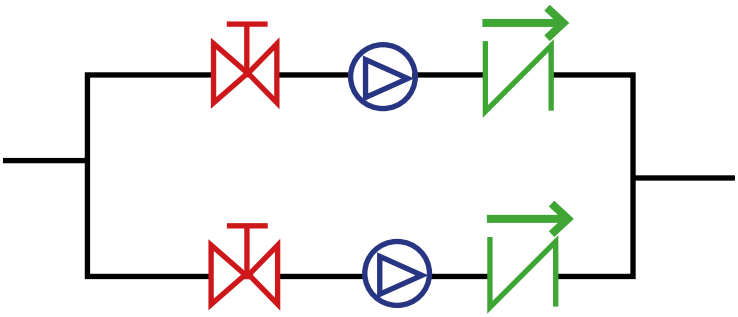
(*) Measured at 1m distance from the pump in an open field.

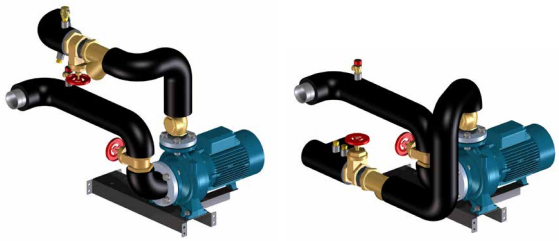
◆ Easy Pump maintenance

In all the Pump kit options shut-off valves and check valves are assembled before and after the pumps, respectively.

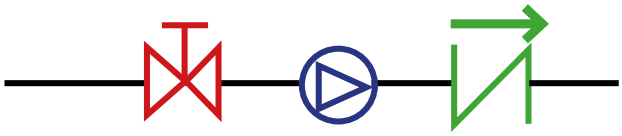
Thanks to this configuration one pump can be removed while the other one is running, and therefore the system shall not be stopped.

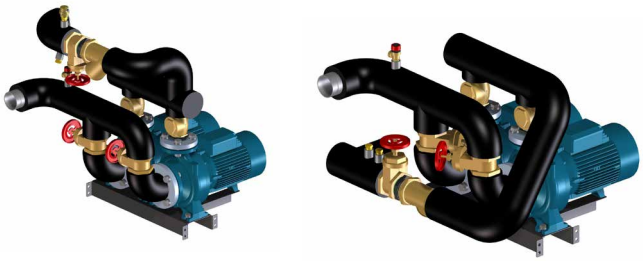
Double Pump system:





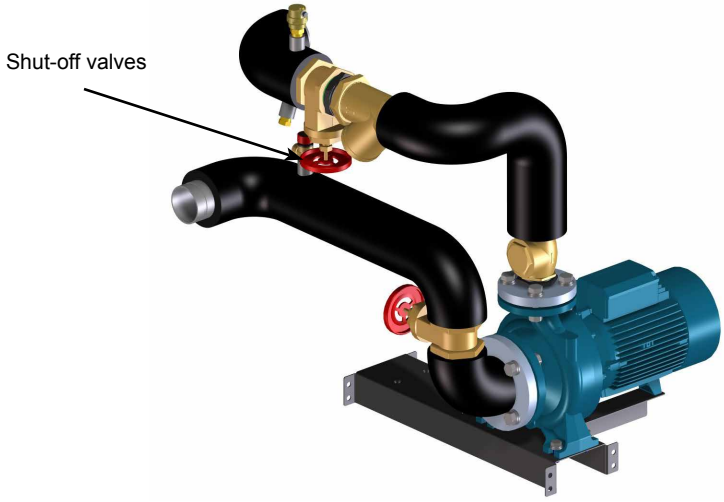
Single Pump system:





◆ Easy flow adjustment

The flow can be adjusted by closing/opening the Shut-off valve assembled at the pump discharge line.



◆ Pumps running mode

In case of Double Pump system, the unit is set as default with the 2 pumps enabled; it means that both pumps will run when the unit is Power ON.

If customer prefers to run only one pump and keep the second one as a “back up” pump, any of both pumps can be disabled by turning to OFF position the ON/OFF button inside the electrical box.

⚠ CAUTION

When both pumps are running, it is not recommended to stop only 1 pump. Both pumps should be stopped at the same time, otherwise water hammer phenomenon may occur.

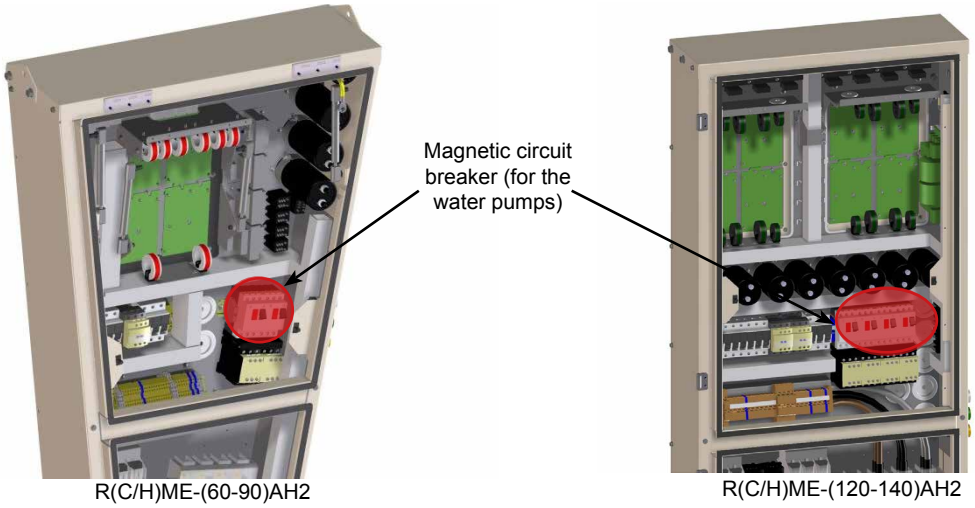
◆ Pump interlock

Pump interlock is a protection system that avoids the unit running when the pump is stopped.

The pumps are connected at factory side and therefore no additional connections are necessary by the customer.

◆ Pump power protection

The pump motor is in all cases protected with Magnetic Circuit Breaker, installed inside the Electrical Box as factory fitted component (see below drawing for more detail).



R(C/H)ME-(60-90)AH2

R(C/H)ME-(120-140)AH2

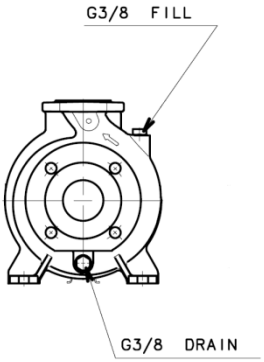
In case of Double Pump system, if 1 pump fails the unit is stopped and alarm “5P” is shown on 7-segments display.

ⓘ NOTE

If any of the Magnetic circuit breakers is turned to OFF position, none of both pumps will run.

◆ Pump prime and drain

The pump is equipped with two G3/8 ports for filling and draining the liquid (see below scheme).



- Fill port: to prime the pump. Pump shall not run until it is filled with liquid.
- Drain port: to drain the pump. Pump shall be drained whenever it remains inactive at freezing temperatures.

◆ Pump kit weight

Additional weight of the Pump kit options is as follows:

Pump kit model	Shipping Weight (kg)	Operating Weight (kg)
Pump Kit SP1	115	121
Pump Kit SP2		
Pump Kit DP1	180	190
Pump Kit DP2		

NOTE

Above weight is to be added to the unit weight.

◆ Water strainer for the Plate Heat Exchanger

Water Strainer is necessary for a good protection of the Plate Heat Exchanger. For that reason it is included as part of the Pump Kit option, installed at the inlet of the Plate Heat Exchanger.

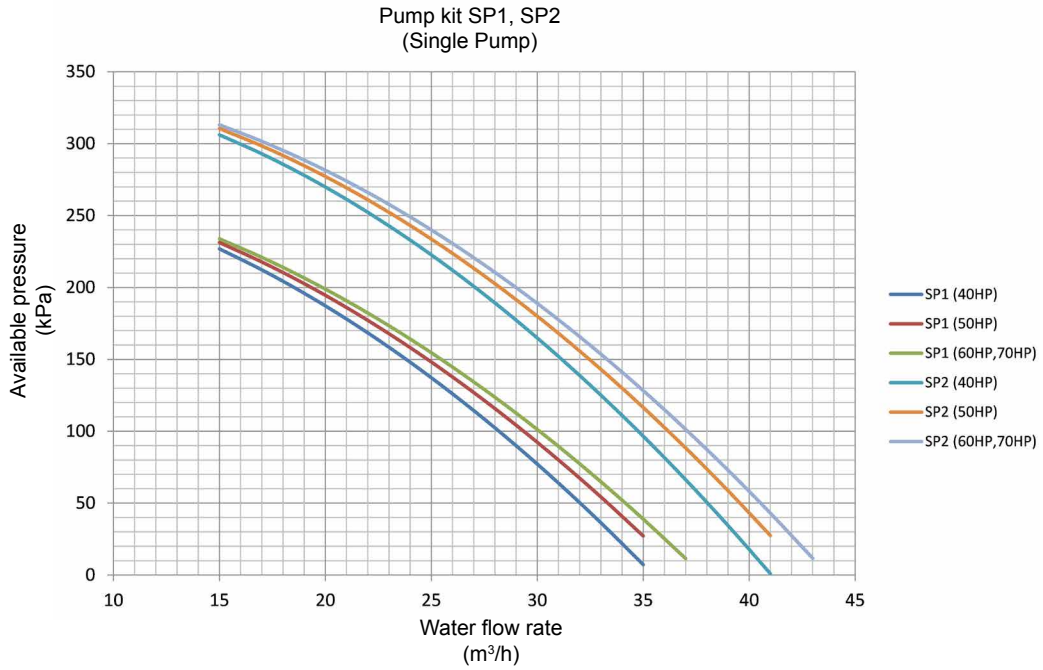
CAUTION

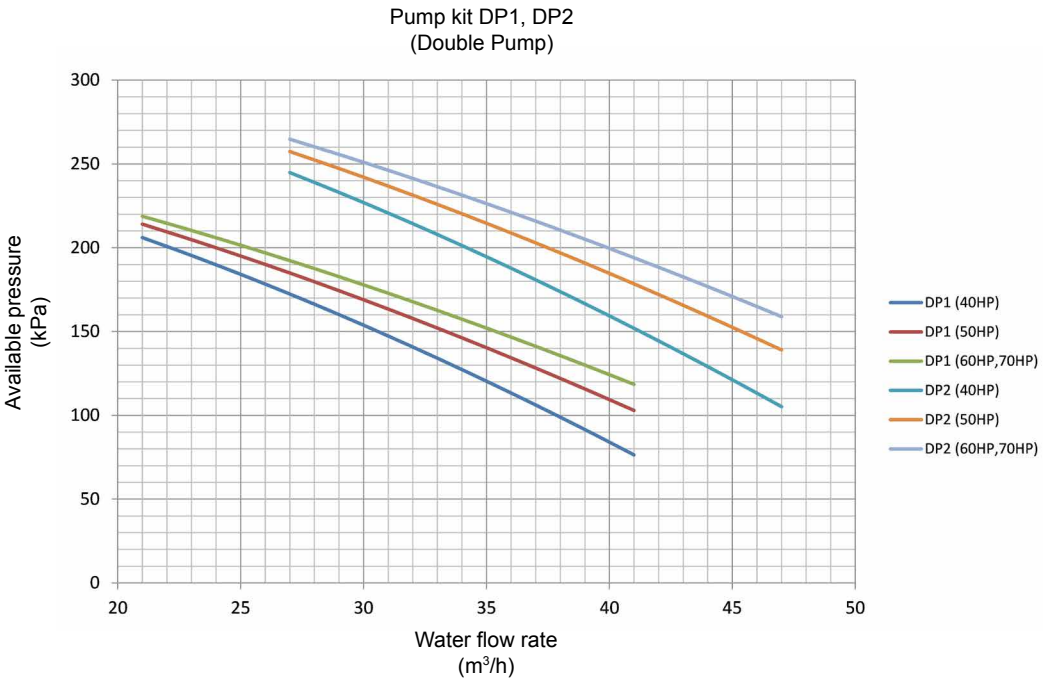
- *The purpose of this Strainer is to protect only the Plate Heat Exchanger, and is not protecting the pumps. It is the Customer / Installer responsibility and decision whether to install another water strainer prior to the unit to protect the pumps, depending on water quality, type of installation.*
- *If required, an additional Water Strainer can be purchased from HITACHI as an option.*

◆ Available pressure

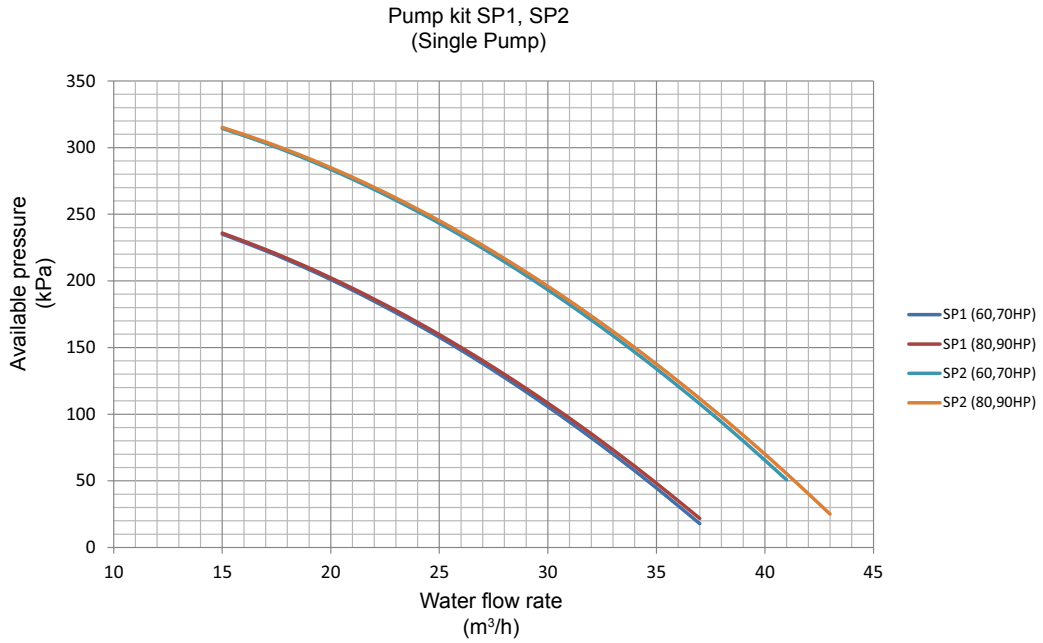
The following graphics show the available pressure (kPa) of the system for all Pump Kit options:

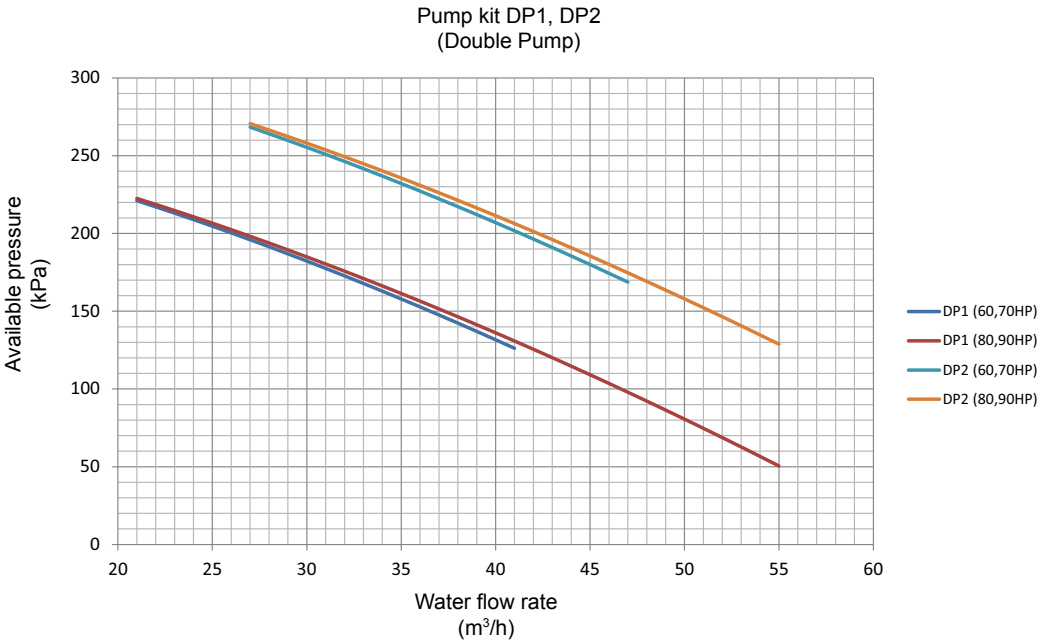
◆ RCME-AH2





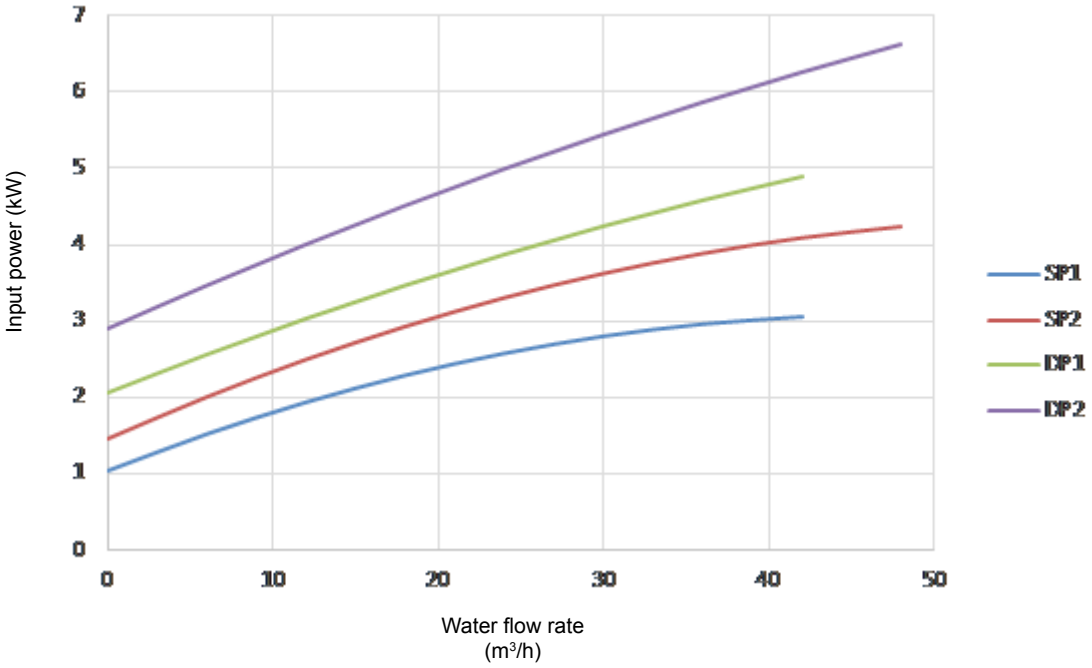
◆ RHME-AH2


Pump kit SP1, SP2
(Single Pump)
Available pressure (kPa)
350
300
250
200
150
100
50
0
10
15
20
25
30
35
40
45
Water flow rate (m³/h)
SP1 (60,70HP)
SP1 (80,90HP)
SP2 (60,70HP)
SP2 (80,90HP)


Pump kit DP1, DP2
(Double Pump)
Available pressure (kPa)
300
250
200
150
100
50
0
20
25
30
35
40
45
50
55
60
Water flow rate (m³/h)
DP1 (60,70HP)
DP1 (80,90HP)
DP2 (60,70HP)
DP2 (80,90HP)

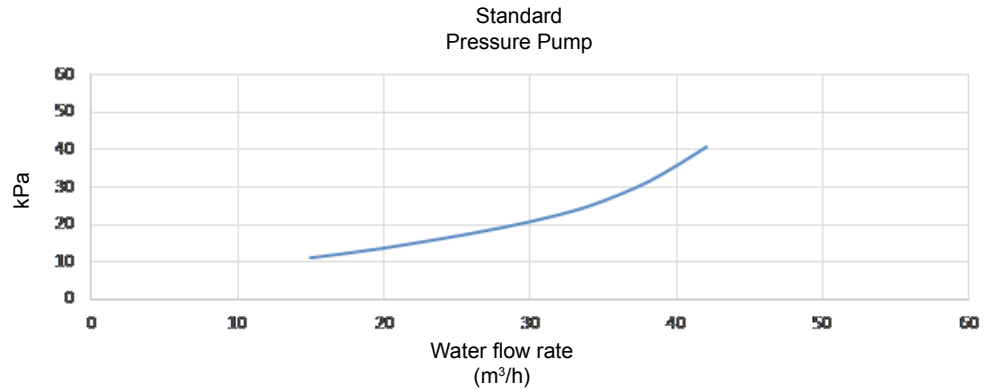
◆ Pump input power

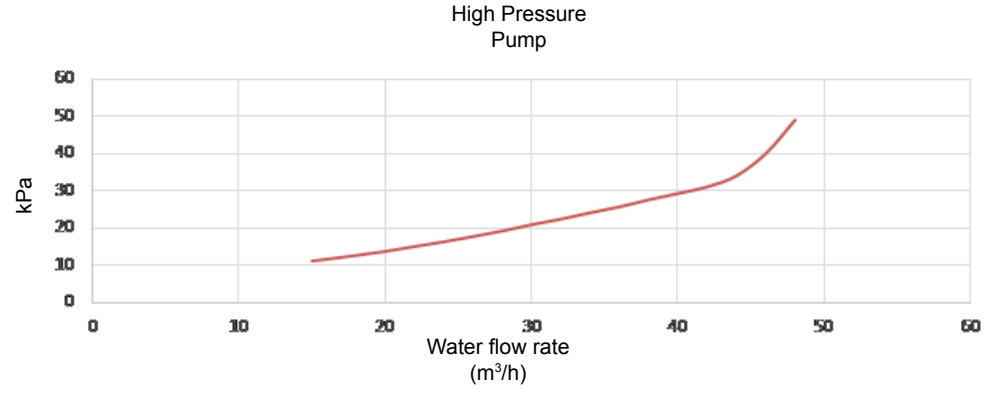
The following graphic shows the power consumption of the pumps depending on the water flow rate:



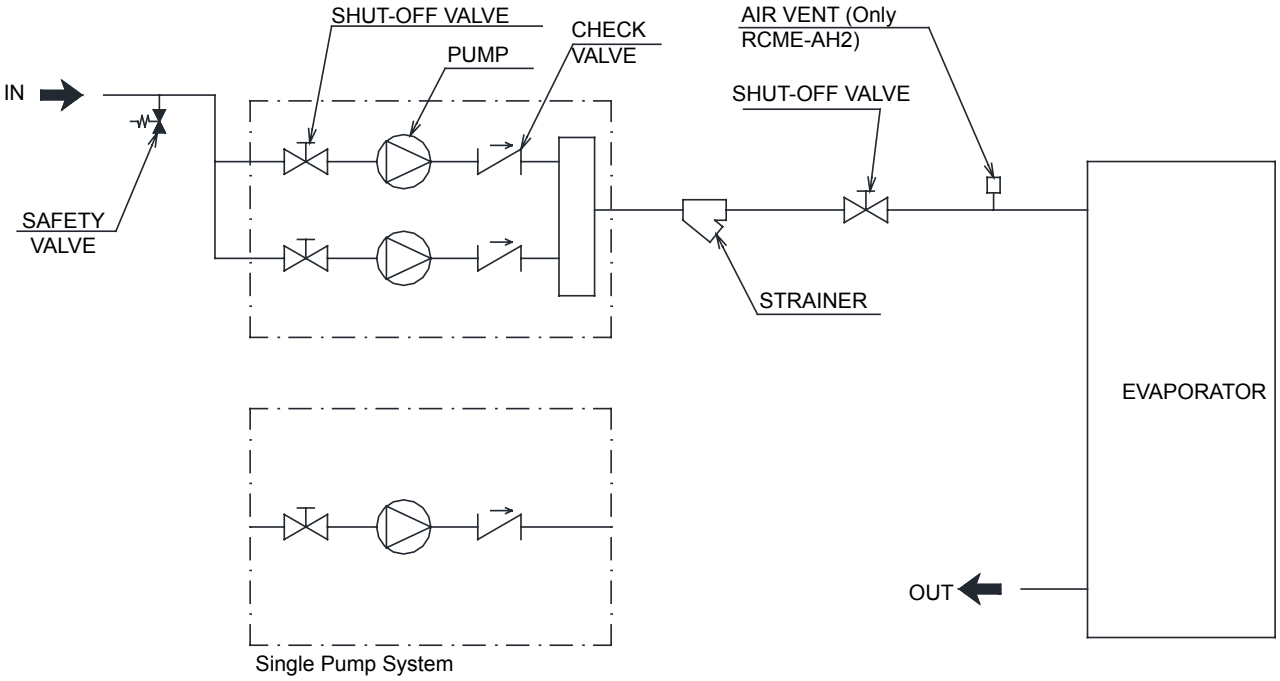
◆ Net Positive Suction Head (NPSH)

The following graphics show the NPSH (kPa) of the pumps depending on the water flow rate:





8.22.5 Hydraulic scheme



Single Pump System

8.22.6 Electrical data

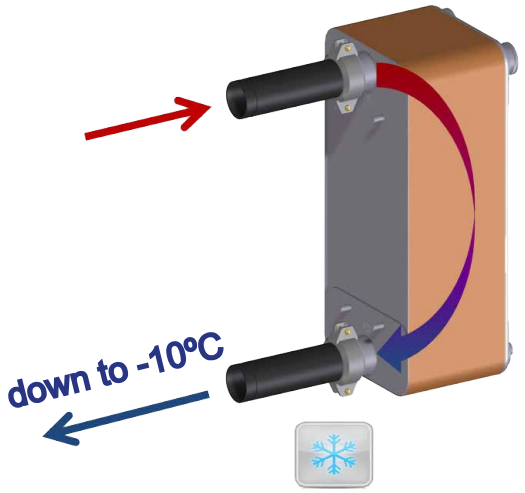
The electrical data of the unit are changed when the Pump Kit option is assembled, due to the Pump/s consumption.

The following table shows the electrical data as well as the data for sizing the power supply installation in case of Pump Kit option (SP1, SP2, DP1 or DP2).

Model	Unit Power Voltage			Applicable Instantaneous Voltage (V)		Rated Conditions															
						Compressor Data					Fan Data		Pump Kit Data (OPTION)								
							COOL		HEAT		(Condenser)		SP1		SP2		DP1		DP2		
						STC*1	RNCc	IPTc	RNCc	IPTc	RNCf	IPTf	RNCp	IPTp	RNCp	IPTp	RNCp	IPTp	RNCp	IPTp	
	Ph	(V)	(Hz)	Max.	Min.	(A)	(A)	(kW)	(A)	(kW)	(A)	(kW)	(A)	(kW)	(A)	(kW)	(A)	(kW)	(A)	(kW)	
RCME-60AH2	3N~	400	50	440	360	240	76,5	47,2	-	-	11,8	3,8	4,9	2,7	6,3	3,5	7,4	4,1	9,5	5,3	
RCME-70AH2	3N~	400	50	440	360	240	86,8	53,5	-	-	11,8	3,8	5,1	2,9	6,6	3,7	7,8	9,9	9,9	5,5	
RCME-80AH2	3N~	400	50	440	360	240	94,9	59,2	-	-	11,8	5,7	5,3	3,0	6,9	3,8	8,2	10,4	10,4	5,8	
RCME-90AH2	3N~	400	50	440	360	240	104	64,6	-	-	11,8	5,7	5,5	3,1	7,2	4,0	8,6	10,9	10,9	6,1	
RCME-120AH2	3N~	400	50	440	360	240	153	94,4	-	-	23,6	7,6	9,7	5,4	12,6	7,0	14,8	18,9	18,9	10,5	
RCME-140AH2	3N~	400	50	440	360	240	174	107	-	-	23,6	7,6	10,3	5,7	13,2	7,3	15,5	19,8	19,8	11,0	
RHME-60AH2	3N~	400	50	440	360	240	76,2	47,0	76,9	47,4	11,8	3,8	4,9	2,7	6,3	3,5	7,4	4,1	9,5	5,3	
RHME-70AH2	3N~	400	50	440	360	240	87,3	53,8	76,9	47,4	11,8	3,8	5,1	2,9	6,6	3,7	7,8	9,9	9,9	5,5	
RHME-80AH2	3N~	400	50	440	360	240	96,2	60,0	94,9	59,2	11,8	5,7	5,3	3,0	6,9	3,8	8,2	10,4	10,4	5,8	
RHME-90AH2	3N~	400	50	440	360	240	103	64,1	94,9	59,2	11,8	5,7	5,5	3,1	7,2	4,0	8,6	10,9	10,9	6,1	
RHME-120AH2	3N~	400	50	440	360	240	152	94,0	154	94,8	23,6	7,6	9,7	5,4	12,6	7,0	14,8	18,9	18,9	10,5	
RHME-140AH2	3N~	400	50	440	360	240	175	108	154	94,8	23,6	7,6	10,3	5,7	13,2	7,3	15,5	19,8	19,8	11,0	

Model	Maximum Unit (for Power Supply installation sizing)														
	STANDARD			SP1			SP2			DP1			DP2		
	STC*2	Curr.	IPT	STC*2	Curr.	IPT	STC*2	Curr.	IPT	STC*2	Curr.	IPT	STC*2	Curr.	IPT
	(A)	(A)	(kW)	(A)	(A)	(kW)	(A)	(A)	(kW)	(A)	(A)	(kW)	(A)	(A)	(kW)
RCME-60AH2	240	118	68,6	247	125	72,2	250	128	73,9	253	132	75,9	259	138	79,2
RCME-70AH2	240	132	77,1	247	139	80,7	250	142	82,4	253	145	84,4	259	151	87,7
RCME-80AH2	240	140	82,1	247	147	85,8	250	150	87,4	253	153	89,4	259	159	92,8
RCME-90AH2	240	143	84,0	247	150	87,7	250	153	89,3	253	156	91,3	259	162	94,6
RCME-120AH2	259	237	137	272	250	144	278	256	148	286	263	152	298	275	158
RCME-140AH2	262	264	154	275	277	161	281	283	165	288	291	169	300	303	175
RHME-60AH2	240	119	68,8	247	125	71,9	250	128	73,6	253	132	75,6	259	138	78,9
RHME-70AH2	240	133	77,5	247	139	81,1	250	142	82,8	253	146	84,8	259	152	88,1
RHME-80AH2	240	140	82,1	247	147	85,8	250	150	87,4	253	153	89,4	259	159	92,8
RHME-90AH2	240	143	84,0	247	150	87,7	250	153	89,3	253	156	91,3	259	162	94,6
RHME-120AH2	259	238	138	272	251	144	278	257	147	285	264	151	297	276	158
RHME-140AH2	262	266	155	275	279	162	281	285	166	288	292	170	300	304	176

8.23 Brine Option



The minimum Chiller water outlet temperature is decreased from +5ºC down to -10ºC.

3 different categories, depending on the minimum chilled water outlet temperature requested:

- Brine (Low1): from +5ºC down to 0ºC
- Brine (Low2): from 0ºC down to -5ºC
- Brine (Low3): from -5ºC down to -10ºC

8.23.1 Applicable models

All R(C/H)ME-AH2 units

8.23.2 Main specifications

When water temperatures are lower than 5°C, anti-freezing mixture of Ethylene/Propylene glycol shall be added in the system to avoid water freezing and thus possible malfunction/damage of the components of the water piping, including the water pipes itself.

The minimum glycol/water ratio shall be based according to the following table:

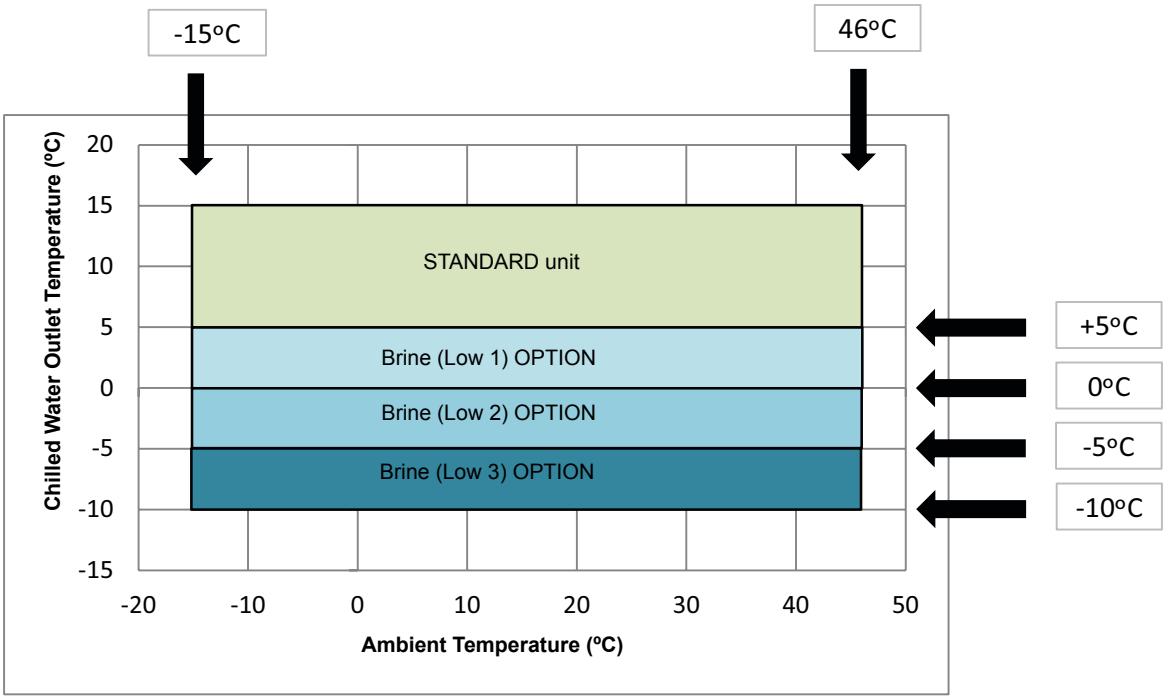
Category	"Water Outlet temperature (°C)"	"Minimum required Ethylene Glycol (wt%)"	"Freezing point (°C)"	"Minimum required Propylene Glycol (wt%)"	"Freezing point (°C)"
Low 1	5 ~ 0	20	-7	20	-6
Low 2	0 ~ -5	30	-13	30	-11
Low 3	-5 ~ -10	40	-22	40	-19

NOTE

Higher percentages shall be applied when due to low ambient temperature it exists a restriction stronger than the water temperature restriction itself.

The unit operating software will automatically change the freeze protection point based on the water outlet temperature setting point, so that the Plate Heat Exchanger will be protected against freezing.

8.23.3 New working range



8.23.4 Performance correction tables

Ethylene glycol (wt%)	Chilled water outlet temp (°C)	Flow rate correction factor (Kf)	Pressure drop correction factor (Kp)	Ambient temperature (°C)											
				25		30		35		40		43		46	
				CAP	IPT	CAP	IPT	CAP	IPT	CAP	IPT	CAP	IPT	CAP	IPT
				(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
20	4	1.01	1.15	97	81	91	89	85	96	79	106	76	112	73	116
	3		1.16	94	81	88	89	83	96	77	105	74	111	70	115
	2		1.17	91	80	86	88	80	95	75	105	72	110	68	115
	1		1.18	89	80	84	88	78	95	73	104	70	110	66	114
	0		1.19	86	79	81	87	76	94	70	104	67	109	64	114
30	4	1.04	1.20	96	81	90	88	84	96	78	105	75	110	72	115
	3		1.22	93	80	88	88	82	95	76	104	73	110	70	114
	2		1.24	90	80	85	87	80	94	74	104	71	109	68	114
	1		1.26	88	79	83	87	77	94	72	103	69	109	66	113
	0		1.28	85	78	80	86	75	93	70	103	67	108	64	113
			1.30	84	79	79	87	73	94	68	103	65	109	62	113
	-2		1.32	81	78	76	86	71	93	66	103	63	108	60	113
	-3		1.34	79	78	74	85	69	93	64	102	61	108	58	112
	-4		1.36	76	77	71	85	66	92	62	102	59	107	56	112
	-5		1.38	73	76	69	84	64	92	59	101	56	107	54	111
40	4	1.08	1.30	95	80	89	87	83	95	78	104	75	109	71	113
	3		1.32	92	79	87	87	81	94	75	103	73	109	69	113
	2		1.34	90	79	84	86	79	94	73	103	70	108	67	112
	1		1.36	87	78	82	86	76	93	71	102	68	108	65	112
	0		1.38	85	78	79	85	74	92	69	102	66	107	63	111
			1.40	83	78	78	86	73	93	67	102	65	108	61	112
	-2		1.42	80	77	75	85	70	92	65	102	62	107	59	112
	-3		1.44	78	77	73	85	68	92	63	101	60	107	57	111
	-4		1.46	75	76	70	84	66	91	61	101	58	106	55	111
	-5		1.48	73	76	68	84	63	91	59	100	56	106	53	110
	-6		1.50	71	76	66	84	62	91	57	101	54	106	52	111
	-7		1.52	68	75	64	83	59	91	55	100	52	106	49	110
	-8		1.54	66	75	61	83	57	90	53	99	50	105	47	110
	-9		1.56	63	74	59	82	55	90	50	99	48	105	45	109
	-10		1.58	61	74	56	82	52	89	48	98	45	104	43	109

Propylene glycol (wt%)	Chilled water outlet temp. (°C)	Flow rate correction factor (Kf)	Pressure drop correction factor (Kp)	Ambient Temperature (°C)											
				25		30		35		40		43		46	
				CAP	IPT	CAP	IPT	CAP	IPT	CAP	IPT	CAP	IPT	CAP	IPT
				(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
20	4	1.01	1.14	94	81	88	89	83	96	77	105	74	111	70	115
	3		1.15	91	80	86	88	80	95	75	105	72	110	68	115
	2		1.16	89	80	84	88	78	95	73	104	70	110	66	114
	1		1.17	86	79	81	87	76	94	70	104	67	109	64	114
	0		1.18	84	79	79	87	73	94	68	103	65	109	62	113
30	4	1.04	1.19	93	80	88	88	82	95	76	104	73	110	70	114
	3		1.20	90	80	85	87	80	94	74	104	71	109	68	114
	2		1.22	88	79	83	87	77	94	72	103	69	109	66	113
	1		1.24	85	78	80	86	75	93	70	103	67	108	64	113
	0		1.26	84	79	79	87	73	94	68	103	65	109	62	113
			1.28	81	78	76	86	71	93	66	103	63	108	60	113
	-2		1.30	79	78	74	85	69	93	64	102	61	108	58	112
	-3		1.32	76	77	71	85	66	92	62	102	59	107	56	112
	-4		1.34	73	76	69	84	64	92	59	101	56	107	54	111
	-5		1.36	71	76	66	84	62	91	57	101	54	106	52	111
40	4	1.08	1.27	92	79	87	87	81	94	75	103	73	109	69	113
	3		1.29	90	79	84	86	79	94	73	103	70	108	67	112
	2		1.31	87	78	82	86	76	93	71	102	68	108	65	112
	1		1.33	85	78	79	85	74	92	69	102	66	107	63	111
	0		1.35	83	78	78	86	73	93	67	102	65	108	61	112
			1.37	80	77	75	85	70	92	65	102	62	107	59	112
	-2		1.39	78	77	73	85	68	92	63	101	60	107	57	111
	-3		1.41	75	76	70	84	66	91	61	101	58	106	55	111
	-4		1.43	73	76	68	84	63	91	59	100	56	106	53	110
	-5		1.45	71	76	66	84	62	91	57	101	54	106	52	111
	-6		1.47	68	75	64	83	59	91	55	100	52	106	49	110
	-7		1.49	66	75	61	83	57	90	53	99	50	105	47	110
	-8		1.51	63	74	59	82	55	90	50	99	48	105	45	109
	-9		1.53	61	74	56	82	52	89	48	98	45	104	43	109
	-10		1.55	58	73	54	81	50	89	46	98	43	104	41	108

NOTE

- *Capacity and input ratio shall be applied to the Capacity and input figures at standard condition:*
  - *Ambient temperature: 35°C.*
  - *Chilled water outlet temperature: 12/7°C.*

8.24 LCD Language

Translation of the texts shown in the LCD to several languages rather than English, French and Spanish.

8.24.1 Main specifications

The LCD used for setting and monitoring the chiller parameters accepts 3 different languages. The standard unit has embedded the 3 following languages: English, French, Spanish.

The one set as default from factory is ENGLISH.

In case of interest in having other languages, the following packs are offered:

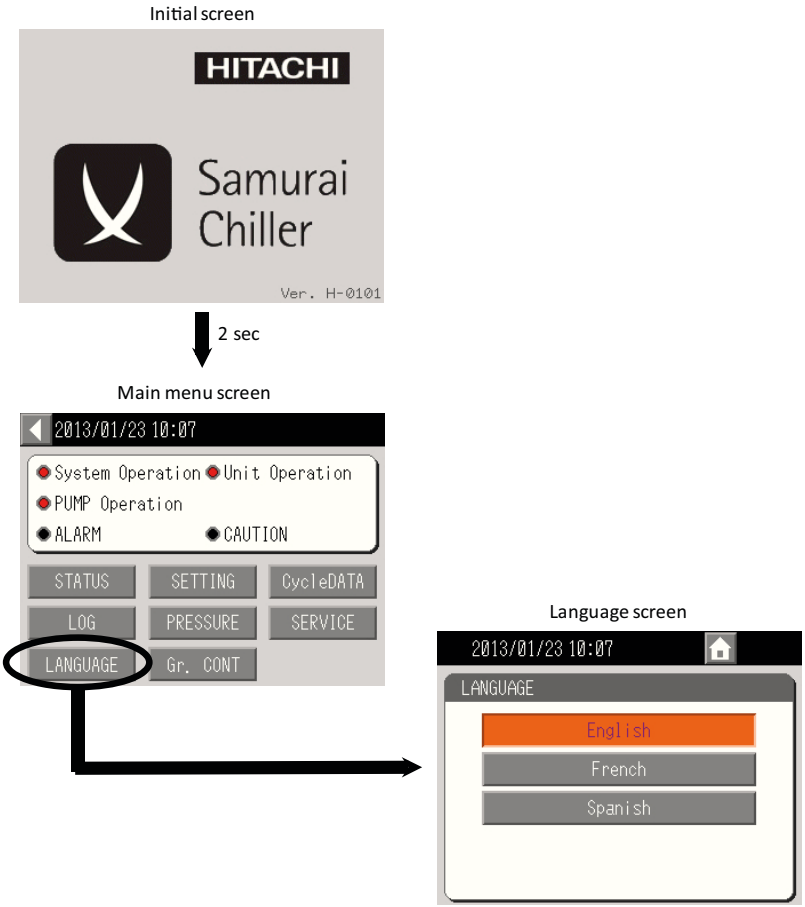
Option Pack 1 ENG/RUS/FIN (LP1): English, Russian, Finnish

Option Pack 2 ENG/GER/HUN (LP2): English, German, Hungarian

Option Pack 3 ENG/DUT/POL (LP3): English, Dutch, Polish

Option Pack 4 ENG/IT/GRE (LP4): English, Italian, Greek.

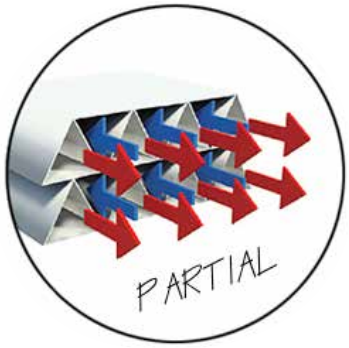
8.24.2 How to set up the language



NOTE

See more detailed information in the Product Manual of the unit.

8.25 Partial Heat Recovery Option



Production (for free) of hot water by using part of the unit's heat rejection (only in cooling mode).

Hot water can be used for floor heating, radiators, sanitary water, etc...

Max. outlet temperature up to 65 ºC.

EER can be improved up to more than 8.

8.25.1 Applicable models

All R(C/H)ME-AH2 units.

In case of RHME-AH2 series (Air-to-Water Chillers) the Partial Heat recovery option cannot work in heating mode (only in cooling mode).

8.25.2 Main specifications

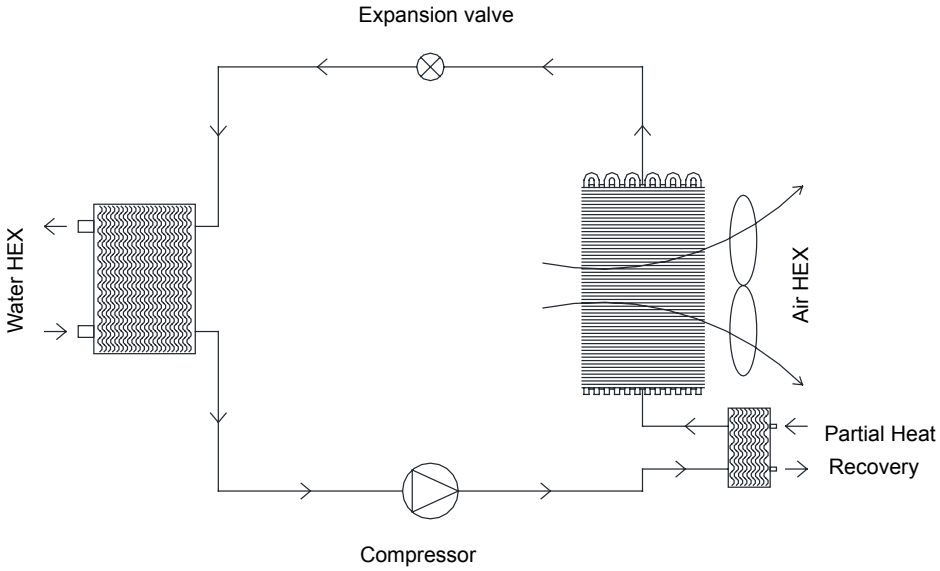
- Partial Heat Recovery Capacity (HR CAP) in kW and Water Flow Rate (HR FR) in m³/h at standard conditions are as follows:

	HR CAP	HR FR
RCME-60AH2	52.7	9.1
RCME-70AH2	60.1	10.3
RCME-80AH2	65.2	11.2
RCME-90AH2	71.1	12.2
RCME-120AH2	105.4	18.1
RCME-140AH2	120.2	20.7

	HR CAP	HR FR
RHME-60AH2	50.1	8.6
RHME-70AH2	57.7	9.9
RHME-80AH2	63.2	10.9
RHME-90AH2	67.5	11.6
RHME-120AH2	100.1	17.2
RHME-140AH2	115.4	19.8

(12/7 °C chilled water temperature, 35°C ambient temperature, 40/45 °C heated water temperature)

- Additional Plate Heat Exchanger is assembled at the Compressor discharge gas line, before the Air Heat Exchanger, as shown in the following scheme:



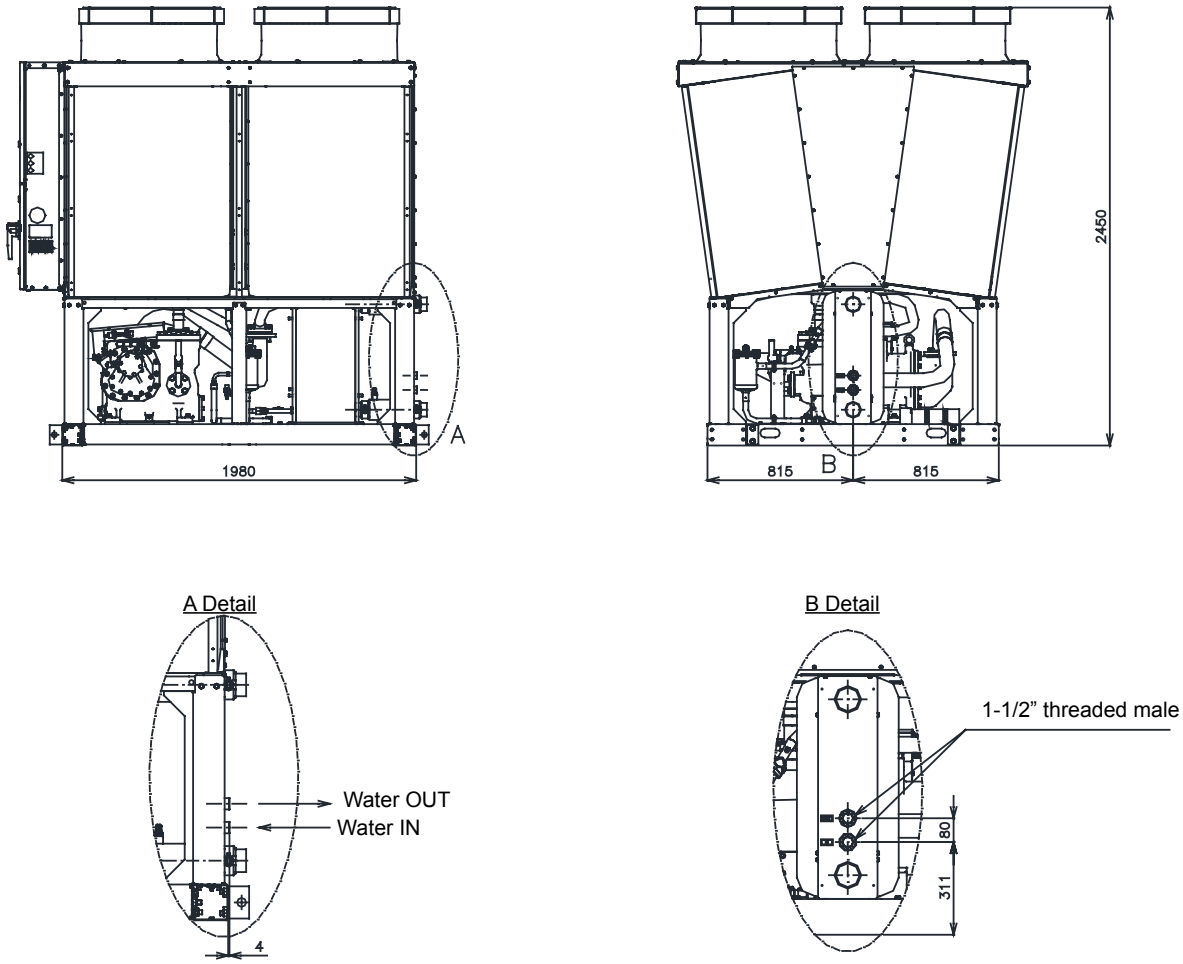
- Temperatures working range at the Partial Heat Recovery side:

	Minimum	Maximum
Inlet Water Temperature	20°C	55°C
Outlet Water Temperature	30°C	65°C *

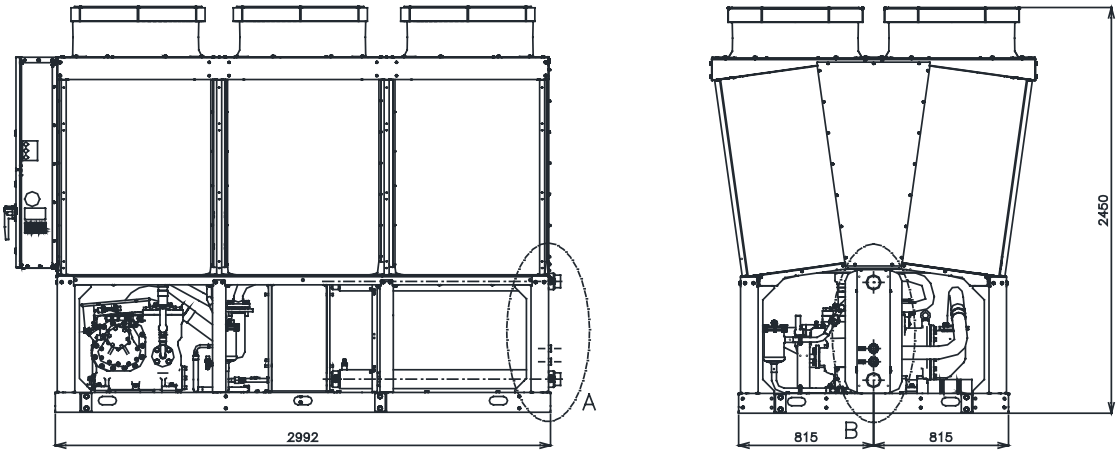
  * It depends on ambient temperature. See working range
- Water pipes:
  - Size: 1-1/2”
  - Connections: 1-1/2” threaded male (made of brass).
  - Material: copper
- Insulations: on water pipes, and Plate Heat Exchanger for partial heat recovery.
- No water thermistors at the partial heat recovery side are supplied with the unit. They must be customer supplied, if necessary.
- Drain Valve: the water circuit of the unit is provided with a valve for draining the water.
  - Size: G-1/2” female

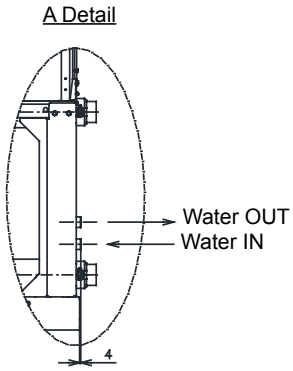
8.25.3 Dimensional drawing

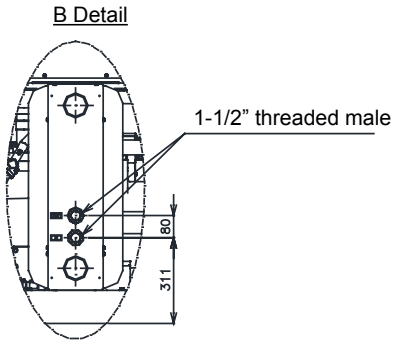
◆ **R(C/H)ME-(60-70)AH2**



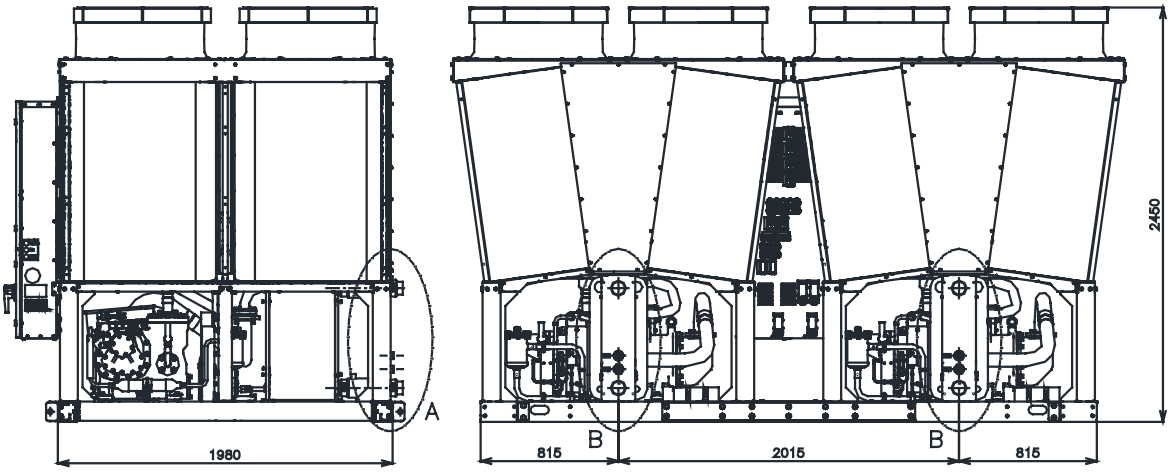
◆ R(C/H)ME-(80-90)AH2

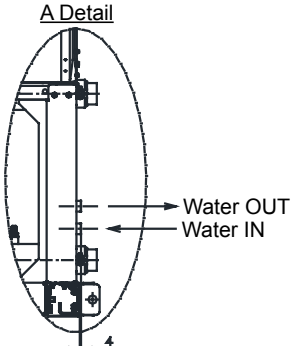


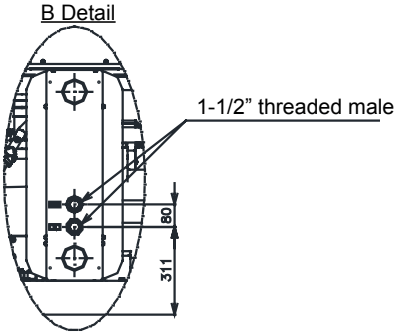




◆ R(C/H)ME-(120-140)AH2







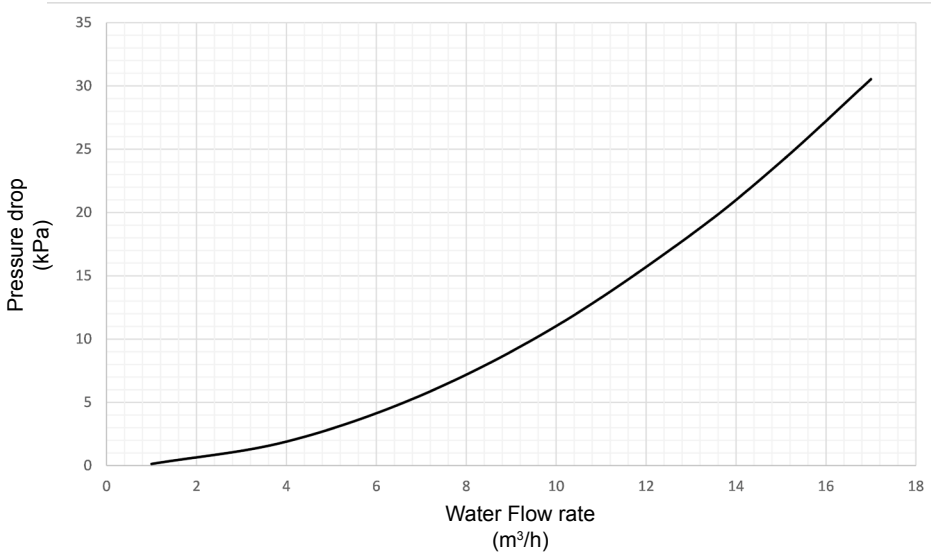
8.25.4 Pressure drop at the Partial Heat Recovery side

The pressure drop at the water side of the Partial Heat Recovery shall be calculated as follows:

Pressure drop = **α** x Flow Rate$^{\beta}$
(kPa) (m^3/h)

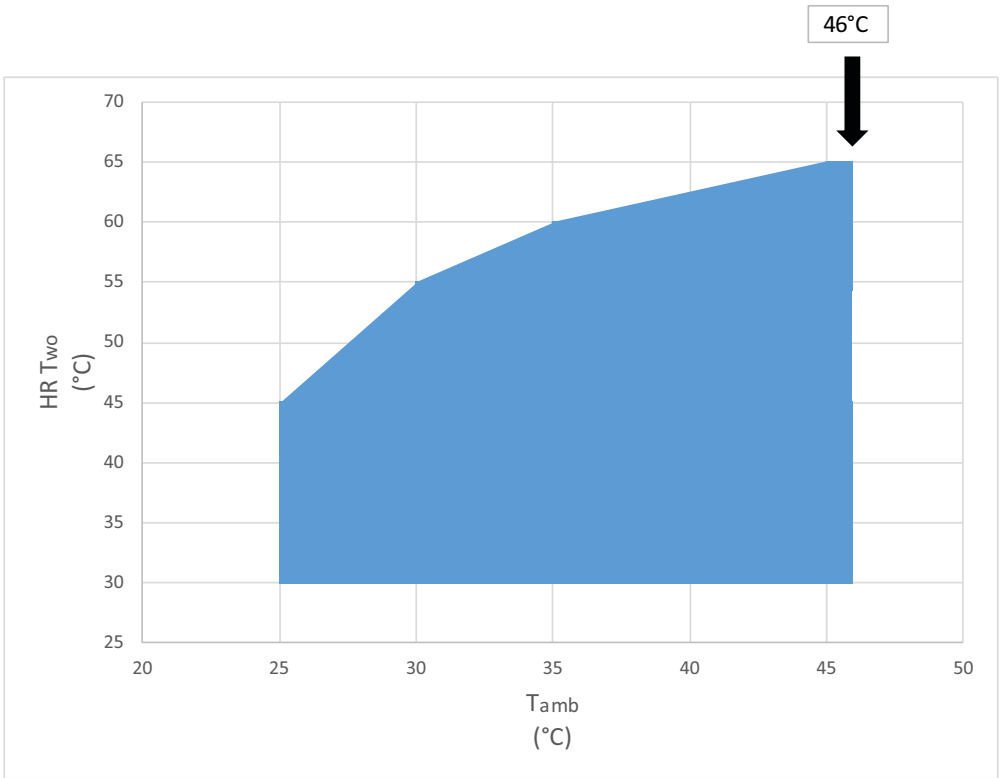
α	0.1330
β	1.9188

Or using the following diagram:



8.25.5 Working range

The maximum Water Outlet Temperature at the Partial Heat Recovery side (HR Two) depends on the Ambient Temperature (Tamb) as shown on next graph:



NOTE

For ambient temperatures below 25°C the HR Two is kept at 45°C.

8.25.6 Performance data when Partial Heat Recovery is ON

◆ Partial Heat Recovery Capacity (in kW)

RCME-60AH2

		Tamb																	
		25			30			35			40			45			46		
Two (°C)	HR Two	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15
	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)
15	30	110,7	116,2	121,7	129,1	134,8	140,5	147,6	153,4	159,2	166,1	172,0	178,0	184,6	190,7	196,7	188,3	194,4	200,5
	35	82,9	87,9	92,8	102,2	107,3	112,4	121,5	126,7	132,0	140,8	146,2	151,5	160,1	165,6	171,1	164,0	169,5	175,0
	40	57,3	61,9	66,5	76,8	81,4	86,1	96,2	100,9	105,7	115,7	120,4	125,2	135,1	140,0	144,8	139,0	143,9	148,7
	45	33,5	37,8	42,0	52,7	57,2	61,6	72,0	76,6	81,1	91,2	96,0	100,7	110,4	115,4	120,3	114,3	119,2	124,2
	50				31,1	35,0	38,9	49,6	53,9	58,2	68,0	72,7	77,4	86,5	91,6	96,7	90,2	95,4	100,6
	55				18,5	21,8	25,1	32,9	36,6	40,6	47,3	51,4	56,1	61,7	66,3	71,6	64,6	69,2	74,7
	60							20,1	23,2	26,6	29,3	32,8	36,8	38,4	42,3	47,0	40,2	44,2	49,1
	65													20,2	23,4	26,7	21,1	24,4	27,7
10	30	99,1	104,6	110,0	117,6	123,2	128,8	136,1	141,8	147,5	154,5	160,4	166,3	173,0	179,0	185,0	176,7	182,7	188,8
	35	70,9	75,7	80,6	90,2	95,2	100,2	109,5	114,6	119,7	128,8	134,0	139,3	148,1	153,5	158,9	151,9	157,3	162,8
	40	45,1	49,7	54,3	64,6	69,2	73,9	84,1	88,7	93,4	103,5	108,3	113,0	123,0	127,8	132,6	126,9	131,7	136,5
	45	21,5	25,6	29,8	40,7	45,0	49,3	59,9	64,4	68,9	79,2	83,8	88,5	98,4	103,2	108,0	102,3	107,1	112,0
	50				19,5	23,2	26,8	38,0	42,1	46,1	56,5	60,9	65,4	75,0	79,8	84,7	78,7	83,6	88,5
	55				9,5	12,6	15,4	23,9	27,4	30,9	38,3	42,2	46,4	52,7	57,0	61,9	55,6	60,0	65,0
	60							14,4	17,3	20,2	23,6	26,8	30,4	32,7	36,3	40,6	34,5	38,3	42,7
	65													17,5	20,5	23,6	18,4	21,5	24,6
7	30	92,2	97,6	103,0	110,7	116,2	121,7	129,1	134,8	140,5	147,6	153,4	159,2	166,1	172,0	178,0	169,8	175,8	181,7
	35	63,6	68,5	73,3	82,9	87,9	92,8	102,2	107,3	112,4	121,5	126,7	132,0	140,8	146,2	151,5	144,7	150,1	155,4
	40	37,8	42,4	47,0	57,3	61,9	66,5	76,8	81,4	86,1	96,2	100,9	105,7	115,7	120,4	125,2	119,6	124,3	129,1
	45	14,3	18,3	22,4	33,5	37,8	42,0	52,7	57,2	61,6	72,0	76,6	81,1	91,2	96,0	100,7	95,1	99,8	104,6
	50				12,6	16,1	19,6	31,1	35,0	38,9	49,6	53,9	58,2	68,0	72,7	77,4	71,7	76,5	81,3
	55				4,1	7,0	9,6	18,5	21,8	25,1	32,9	36,6	40,6	47,3	51,4	56,1	50,2	54,4	59,2
	60							11,0	13,7	16,4	20,1	23,2	26,6	29,3	32,8	36,8	31,1	34,7	38,9
	65													15,9	18,8	21,7	16,7	19,7	22,7
5	30	87,6	92,9	98,3	106,0	111,5	117,1	124,5	130,2	135,8	143,0	148,8	154,6	161,5	167,4	173,3	165,2	171,1	177,1
	35	58,8	63,6	68,4	78,1	83,0	87,9	97,4	102,5	107,5	116,7	121,9	127,1	136,0	141,3	146,6	139,9	145,2	150,5
	40	33,0	37,5	42,1	52,4	57,0	61,6	71,9	76,5	81,2	91,4	96,1	100,8	110,8	115,6	120,3	114,7	119,5	124,2
	45	9,4	13,5	17,6	28,7	32,9	37,1	47,9	52,3	56,7	67,2	71,7	76,3	86,4	91,1	95,8	90,2	95,0	99,7
	50				8,0	11,4	14,7	26,5	30,3	34,0	44,9	49,1	53,3	63,4	68,0	72,6	67,1	71,8	76,5
	55				0,5	3,3	5,7	14,9	18,1	21,2	29,3	32,9	36,7	43,7	47,7	52,2	46,6	50,7	55,3
	60							8,7	11,3	13,8	17,8	20,8	24,0	27,0	30,4	34,3	28,8	32,3	36,3
	65													14,8	17,6	20,5	15,7	18,6	21,5

RCME-70AH2

		Tamb																	
		25			30			35			40			45			46		
Two (°C)	HR Two	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15
	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)
15	30	126,1	132,5	138,8	147,2	153,7	160,2	168,3	174,9	181,5	189,3	196,1	202,9	210,4	217,3	224,3	214,6	221,6	228,6
	35	94,5	100,2	105,8	116,5	122,3	128,1	138,5	144,5	150,4	160,5	166,6	172,7	182,5	188,8	195,0	186,9	193,2	199,5
	40	65,3	70,6	75,8	87,5	92,8	98,1	109,7	115,1	120,4	131,9	137,3	142,7	154,0	159,6	165,1	158,5	164,0	169,5
	45	38,2	43,0	47,9	60,1	65,2	70,2	82,0	87,3	92,5	104,0	109,4	114,8	125,9	131,5	137,1	130,3	135,9	141,6
	50				35,4	39,9	44,3	56,5	61,4	66,3	77,6	82,9	88,3	98,6	104,5	110,3	102,8	108,8	114,7
	55				21,1	24,9	28,6	37,5	41,8	46,3	54,0	58,6	63,9	70,4	75,5	81,6	73,7	78,9	85,1
	60							22,9	26,5	30,3	33,4	37,4	42,0	43,8	48,2	53,6	45,8	50,4	55,9
	65													23,0	26,7	30,4	24,0	27,8	31,5
10	30	113,0	119,2	125,4	134,0	140,4	146,8	155,1	161,6	168,2	176,2	182,9	189,5	197,2	204,1	210,9	201,5	208,3	215,2
	35	80,8	86,3	91,9	102,8	108,5	114,2	124,8	130,6	136,5	146,8	152,8	158,8	168,8	174,9	181,1	173,2	179,4	185,6
	40	51,5	56,7	61,9	73,6	78,9	84,2	95,8	101,2	106,5	118,0	123,4	128,8	140,2	145,6	151,1	144,6	150,1	155,6
	45	24,5	29,2	34,0	46,4	51,3	56,3	68,3	73,4	78,6	90,3	95,6	100,9	112,2	117,7	123,2	116,6	122,1	127,6
	50				22,3	26,4	30,6	43,3	47,9	52,5	64,4	69,5	74,5	85,5	91,0	96,5	89,7	95,3	100,9
	55				10,9	14,3	17,6	27,3	31,2	35,2	43,7	48,1	52,9	60,1	65,0	70,6	63,4	68,3	74,1
	60							16,4	19,7	23,0	26,9	30,6	34,7	37,3	41,4	46,3	39,3	43,6	48,7
	65													20,0	23,4	26,9	20,9	24,5	28,0
7	30	105,1	111,2	117,4	126,1	132,5	138,8	147,2	153,7	160,2	168,3	174,9	181,5	189,3	196,1	202,9	193,6	200,4	207,2
	35	72,6	78,0	83,5	94,5	100,2	105,8	116,5	122,3	128,1	138,5	144,5	150,4	160,5	166,6	172,7	164,9	171,1	177,2
	40	43,1	48,3	53,5	65,3	70,6	75,8	87,5	92,8	98,1	109,7	115,1	120,4	131,9	137,3	142,7	136,3	141,8	147,2
	45	16,2	20,9	25,6	38,2	43,0	47,9	60,1	65,2	70,2	82,0	87,3	92,5	104,0	109,4	114,8	108,4	113,8	119,3
	50				14,4	18,3	22,3	35,4	39,9	44,3	56,5	61,4	66,3	77,6	82,9	88,3	81,8	87,2	92,7
	55				4,7	8,0	11,0	21,1	24,9	28,6	37,5	41,8	46,3	54,0	58,6	63,9	57,2	62,0	67,5
	60							12,5	15,6	18,7	22,9	26,5	30,3	33,4	37,4	42,0	35,4	39,5	44,3
	65													18,1	21,4	24,8	19,1	22,5	25,9
5	30	99,8	105,9	112,1	120,9	127,2	133,4	141,9	148,4	154,8	163,0	169,6	176,2	184,1	190,8	197,6	188,3	195,1	201,8
	35	67,1	72,5	77,9	89,0	94,6	100,2	111,0	116,8	122,6	133,0	138,9	144,9	155,0	161,1	167,2	159,4	165,5	171,6
	40	37,6	42,8	48,0	59,8	65,0	70,3	82,0	87,3	92,6	104,1	109,5	114,9	126,3	131,7	137,2	130,8	136,2	141,6
	45	10,8	15,4	20,0	32,7	37,5	42,3	54,6	59,6	64,6	76,6	81,7	86,9	98,5	103,9	109,2	102,9	108,3	113,7
	50				9,1	13,0	16,8	30,2	34,5	38,8	51,2	56,0	60,8	72,3	77,5	82,8	76,5	81,9	87,2
	55				0,6	3,8	6,6	17,0	20,7	24,2	33,4	37,5	41,9	49,9	54,4	59,5	53,1	57,8	63,1
	60							9,9	12,9	15,8	20,3	23,8	27,4	30,8	34,6	39,1	32,8	36,8	41,4
	65													16,9	20,1	23,4	17,8	21,2	24,5

RCME-80AH2

		Tamb																	
		25			30			35			40			45			46		
Two (°C)	HR Two	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15
	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)
15	30	136,8	143,7	150,5	159,7	166,7	173,7	182,5	189,7	196,9	205,3	212,7	220,1	228,2	235,7	243,2	232,8	240,3	247,9
	35	102,5	108,7	114,8	126,4	132,7	139,0	150,2	156,7	163,1	174,1	180,7	187,3	198,0	204,7	211,5	202,7	209,5	216,4
	40	70,8	76,5	82,2	94,9	100,7	106,4	119,0	124,8	130,6	143,0	148,9	154,8	167,1	173,0	179,0	171,9	177,9	183,8
	45	41,4	46,7	51,9	65,2	70,7	76,1	89,0	94,6	100,3	112,8	118,6	124,5	136,6	142,6	148,7	141,3	147,4	153,5
	50				38,4	43,2	48,0	61,3	66,6	71,9	84,1	89,9	95,8	107,0	113,3	119,6	111,5	118,0	124,4
	55				22,9	27,0	31,0	40,7	45,3	50,2	58,5	63,6	69,3	76,3	81,9	88,5	79,9	85,6	92,3
	60							24,9	28,7	32,9	36,2	40,5	45,5	47,5	52,3	58,1	49,7	54,7	60,7
	65													25,0	29,0	33,0	26,1	30,1	34,2
10	30	122,5	129,3	136,0	145,4	152,3	159,2	168,2	175,3	182,4	191,1	198,3	205,6	213,9	221,3	228,8	218,5	225,9	233,4
	35	87,6	93,6	99,6	111,5	117,7	123,8	135,3	141,7	148,0	159,2	165,7	172,2	183,0	189,7	196,4	187,8	194,5	201,2
	40	55,8	61,5	67,1	79,9	85,6	91,3	103,9	109,7	115,5	128,0	133,8	139,7	152,0	158,0	163,9	156,8	162,8	168,7
	45	26,5	31,7	36,8	50,3	55,7	61,0	74,1	79,7	85,2	97,9	103,6	109,4	121,7	127,6	133,6	126,4	132,4	138,4
	50				24,2	28,6	33,1	47,0	52,0	57,0	69,8	75,3	80,8	92,7	98,7	104,7	97,3	103,4	109,5
	55				11,8	15,5	19,1	29,6	33,8	38,2	47,4	52,2	57,4	65,2	70,5	76,5	68,8	74,1	80,4
	60							17,8	21,3	25,0	29,1	33,1	37,6	40,4	44,9	50,3	42,7	47,3	52,8
	65													21,6	25,4	29,2	22,7	26,5	30,4
7	30	114,0	120,6	127,3	136,8	143,7	150,5	159,7	166,7	173,7	182,5	189,7	196,9	205,3	212,7	220,1	209,9	217,3	224,7
	35	78,7	84,6	90,6	102,5	108,7	114,8	126,4	132,7	139,0	150,2	156,7	163,1	174,1	180,7	187,3	178,9	185,5	192,2
	40	46,8	52,4	58,1	70,8	76,5	82,2	94,9	100,7	106,4	119,0	124,8	130,6	143,0	148,9	154,8	147,8	153,7	159,7
	45	17,6	22,7	27,8	41,4	46,7	51,9	65,2	70,7	76,1	89,0	94,6	100,3	112,8	118,6	124,5	117,5	123,4	129,3
	50				15,6	19,9	24,2	38,4	43,2	48,0	61,3	66,6	71,9	84,1	89,9	95,8	88,7	94,6	100,5
	55				5,1	8,7	11,9	22,9	27,0	31,0	40,7	45,3	50,2	58,5	63,6	69,3	62,1	67,3	73,2
	60							13,6	16,9	20,3	24,9	28,7	32,9	36,2	40,5	45,5	38,4	42,9	48,0
	65													19,6	23,2	26,9	20,7	24,4	28,1
5	30	108,2	114,9	121,5	131,1	137,9	144,7	153,9	160,9	167,9	176,8	183,9	191,1	199,6	206,9	214,3	204,2	211,6	218,9
	35	72,7	78,6	84,5	96,6	102,6	108,7	120,4	126,7	132,9	144,3	150,7	157,1	168,1	174,7	181,3	172,9	179,5	186,1
	40	40,8	46,4	52,0	64,8	70,5	76,2	88,9	94,6	100,4	112,9	118,8	124,6	137,0	142,9	148,8	141,8	147,7	153,6
	45	11,7	16,7	21,7	35,5	40,7	45,9	59,2	64,7	70,1	83,0	88,7	94,3	106,8	112,6	118,5	111,6	117,4	123,3
	50				9,9	14,1	18,2	32,7	37,4	42,1	55,6	60,8	65,9	78,4	84,1	89,8	83,0	88,8	94,6
	55				0,7	4,1	7,1	18,5	22,4	26,3	36,3	40,7	45,4	54,1	59,0	64,6	57,6	62,7	68,4
	60							10,8	14,0	17,1	22,1	25,8	29,7	33,4	37,6	42,4	35,6	39,9	44,9
	65													18,3	21,8	25,3	19,4	23,0	26,6

RCME-90AH2

Two (°C)	HR Two	Tamb 25			30			35			40			45			46		
		ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15	ΔT=5	ΔT=10	ΔT=15
	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)	(°C)
15	30	149,1	156,6	164,1	174,0	181,7	189,3	198,9	206,8	214,6	223,8	231,8	239,9	248,7	256,9	265,1	253,7	261,9	270,2
	35	111,8	118,4	125,1	137,8	144,6	151,5	163,8	170,8	177,8	189,8	197,0	204,2	215,8	223,2	230,6	221,0	228,4	235,8
	40	77,2	83,4	89,6	103,4	109,7	116,0	129,7	136,0	142,4	155,9	162,3	168,7	182,1	188,6	195,1	187,4	193,9	200,4
	45	45,1	50,9	56,6	71,1	77,0	83,0	97,0	103,2	109,3	122,9	129,3	135,7	148,8	155,5	162,1	154,0	160,7	167,4
	50				41,9	47,1	52,4	66,8	72,6	78,4	91,7	98,0	104,4	116,6	123,5	130,4	121,6	128,6	135,6
	55				25,0	29,4	33,8	44,4	49,4	54,7	63,8	69,3	75,6	83,2	89,3	96,5	87,1	93,3	100,6
	60							27,1	31,3	35,8	39,4	44,2	49,6	51,7	57,0	63,4	54,2	59,6	66,1
	65													27,2	31,6	35,9	28,4	32,8	37,3
10	30	133,6	140,9	148,3	158,5	166,0	173,5	183,4	191,1	198,8	208,3	216,2	224,1	233,2	241,3	249,3	238,1	246,3	254,4
	35	95,5	102,1	108,6	121,5	128,2	135,0	147,5	154,4	161,4	173,5	180,6	187,7	199,5	206,8	214,1	204,7	212,0	219,4
	40	60,8	67,0	73,2	87,1	93,3	99,5	113,3	119,6	125,9	139,5	145,9	152,3	165,7	172,2	178,6	171,0	177,4	183,9
	45	28,9	34,5	40,1	54,9	60,7	66,5	80,8	86,8	92,9	106,7	113,0	119,2	132,6	139,1	145,6	137,8	144,3	150,9
	50				26,3	31,2	36,1	51,2	56,7	62,1	76,1	82,1	88,1	101,0	107,6	114,1	106,0	112,7	119,3
	55				12,8	16,9	20,8	32,3	36,9	41,7	51,7	56,8	62,5	71,1	76,8	83,4	75,0	80,8	87,6
	60							19,4	23,3	27,2	31,7	36,1	41,0	44,0	49,0	54,8	46,5	51,5	57,5
	65													23,6	27,7	31,8	24,8	28,9	33,1
7	30	124,2	131,5	138,8	149,1	156,6	164,1	174,0	181,7	189,3	198,9	206,8	214,6	223,8	231,8	239,9	228,8	236,9	244,9
	35	85,8	92,2	98,7	111,8	118,4	125,1	137,8	144,6	151,5	163,8	170,8	177,8	189,8	197,0	204,2	195,0	202,2	209,5
	40	51,0	57,1	63,3	77,2	83,4	89,6	103,4	109,7	116,0	129,7	136,0	142,4	155,9	162,3	168,7	161,1	167,6	174,0
	45	19,2	24,7	30,2	45,1	50,9	56,6	71,1	77,0	83,0	97,0	103,2	109,3	122,9	129,3	135,7	128,1	134,5	141,0
	50				17,0	21,7	26,4	41,9	47,1	52,4	66,8	72,6	78,4	91,7	98,0	104,4	96,7	103,1	109,6
	55				5,6	9,4	13,0	25,0	29,4	33,8	44,4	49,4	54,7	63,8	69,3	75,6	67,7	73,3	79,8
	60							14,8	18,4	22,1	27,1	31,3	35,8	39,4	44,2	49,6	41,9	46,7	52,4
	65													21,4	25,3	29,3	22,6	26,6	30,6
5	30	118,0	125,2	132,5	142,9	150,3	157,7	167,8	175,4	183,0	192,7	200,5	208,3	217,6	225,6	233,5	222,6	230,6	238,6
	35	79,3	85,7	92,1	105,3	111,9	118,5	131,3	138,1	144,9	157,3	164,3	171,2	183,3	190,4	197,6	188,5	195,7	202,9
	40	44,5	50,6	56,7	70,7	76,9	83,1	96,9	103,2	109,4	123,1	129,4	135,8	149,3	155,7	162,2	154,6	161,0	167,4
	45	12,7	18,2	23,7	38,6	44,3	50,0	64,6	70,5	76,4	90,5	96,6	102,8	116,4	122,8	129,1	121,6	128,0	134,4
	50				10,8	15,3	19,9	35,7	40,8	45,9	60,6	66,2	71,9	85,5	91,7	97,9	90,5	96,8	103,1
	55				0,7	4,5	7,7	20,1	24,4	28,6	39,5	44,4	49,5	58,9	64,3	70,4	62,8	68,3	74,5
	60							11,7	15,2	18,6	24,1	28,1	32,4	36,4	40,9	46,2	38,8	43,5	48,9
	65													19,9	23,8	27,6	21,1	25,0	28,9

NOTE

- *Tamb: Ambient Temperature (°C)*
- *Two: Chilled water outlet temperature (°C)*
- *HR Two: Heated water outlet temperature (°C)*
- *ΔT: Water temperature rise (°C) of the Partial Heat Recovery*
- *Use Tamb=25ºC data for lower ambient temperatures (-15°C~24°C).*
- *In case of RHME-AH2 units running in cooling mode (heating mode is not allowed), the Partial Heat Recovery Capacity (in kW) shall be calculated as a RCME-AH2 unit, and later multiply the figure by the correction factor of the following table:*

	Correction Factor
RHME-60AH2	0.95
RHME-70AH2	0.96
RHME-80AH2	0.97
RHME-90AH2	0.95

◆ Water flow rate

To calculate the Water Flow at the Partial Heat Recovery side the following equation shall be used:

Water Flow = HR CAP x 0.86 / ΔT
(m^3/h) (kW) (ºC)

◆ Unit performance data

The performance of the unit is affected when the Partial Heat Recovery is ON (working).

For that reason, for both RCME-AH2 and RHME-AH2 series, the Capacity (CAP), the Input Power (IPT) and therefore the Efficiency (EER) shall be corrected based on the following table:

		Tamb																	
		25			30			35			40			45			46		
Two (°C)	HR Two	CAP	IPT	EER	CAP	IPT	EER	CAP	IPT	EER	CAP	IPT	EER	CAP	IPT	EER	CAP	IPT	EER
	(°C)	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
15	30	130%	81%	160%	120%	84%	143%	110%	87%	126%	100%	90%	110%	89%	93%	96%	87%	94%	93%
	35	137%	87%	157%	127%	91%	140%	116%	94%	124%	106%	97%	108%	95%	101%	94%	93%	101%	91%
	40	142%	92%	154%	131%	96%	137%	121%	100%	121%	110%	103%	106%	99%	107%	93%	97%	108%	90%
	45	144%	95%	152%	134%	100%	134%	124%	104%	119%	113%	109%	104%	103%	113%	91%	101%	114%	88%
	50				134%	102%	132%	125%	107%	116%	115%	113%	102%	106%	118%	89%	104%	120%	87%
	55				133%	103%	130%	124%	109%	114%	116%	116%	100%	108%	123%	88%	106%	124%	85%
	60							123%	110%	111%	116%	118%	98%	109%	126%	86%	107%	128%	84%
	65													111%	129%	85%	108%	131%	82%
10	30	113%	77%	147%	104%	80%	130%	95%	83%	114%	86%	86%	100%	76%	89%	86%	75%	90%	83%
	35	119%	83%	144%	110%	86%	128%	100%	89%	112%	91%	93%	98%	81%	96%	84%	79%	97%	82%
	40	124%	87%	142%	114%	91%	125%	104%	95%	110%	95%	99%	96%	85%	102%	83%	83%	103%	80%
	45	125%	90%	139%	116%	94%	123%	107%	99%	108%	97%	104%	94%	88%	108%	82%	86%	109%	79%
	50				116%	97%	121%	108%	102%	106%	99%	108%	92%	90%	113%	80%	89%	114%	78%
	55				115%	97%	118%	107%	104%	103%	100%	111%	90%	92%	117%	79%	90%	118%	76%
	60							106%	105%	101%	99%	113%	88%	93%	121%	77%	92%	122%	75%
	65													95%	124%	77%	92%	125%	74%
7	30	103%	74%	134%	94%	77%	121%	86%	80%	107%	77%	83%	93%	69%	86%	80%	67%	87%	77%
	35	109%	80%	131%	100%	83%	118%	91%	87%	105%	82%	90%	92%	73%	93%	78%	71%	94%	76%
	40	112%	84%	129%	103%	88%	116%	94%	92%	103%	85%	96%	90%	76%	100%	77%	75%	100%	74%
	45	114%	87%	126%	105%	91%	113%	97%	96%	101%	88%	100%	88%	79%	105%	76%	77%	106%	73%
	50				106%	93%	111%	98%	99%	99%	89%	104%	87%	81%	110%	74%	80%	111%	72%
	55				105%	94%	109%	97%	101%	97%	90%	107%	85%	83%	114%	73%	81%	115%	71%
	60							96%	101%	95%	90%	109%	83%	84%	117%	72%	82%	119%	69%
	65													85%	120%	62%	83%	122%	68%
5	30	96%	72%	133%	88%	75%	117%	80%	78%	102%	72%	82%	88%	64%	85%	75%	62%	85%	73%
	35	102%	78%	130%	93%	81%	114%	84%	85%	100%	76%	88%	86%	67%	92%	74%	66%	92%	71%
	40	105%	82%	128%	96%	86%	112%	88%	90%	98%	79%	94%	85%	71%	98%	72%	69%	98%	70%
	45	107%	85%	126%	98%	89%	110%	90%	94%	96%	82%	98%	83%	73%	103%	71%	72%	104%	69%
	50				99%	91%	108%	91%	97%	94%	83%	102%	81%	75%	108%	70%	74%	109%	68%
	55				98%	92%	106%	91%	99%	92%	84%	105%	80%	77%	112%	69%	75%	113%	67%
	60							89%	99%	90%	83%	107%	78%	77%	115%	67%	76%	116%	65%
	65													79%	118%	67%	77%	119%	64%

NOTE

- *Above percentages (%) shall be applied to the figures at standard conditions*
  - *(12/7°C chilled water temperature, 35°C ambient temperature)*
- *The table is valid for both RCME-AH2 and RHME-AH2 series, and for all sizes (60HP, 70HP, 80HP, 90HP, 120HP and 140HP).*
- *Use Tamb=25ºC data for lower ambient temperatures (-15°C~24°C).*

8.25.7 Performance data when Partial Heat Recovery is OFF

The additional Plate Heat Exchanger at the Compressor discharge is affecting the performance of the unit, even when the Partial Heat Recovery is OFF (not working).

For that reason, for both RCME-AH2 and RHME-AH2 series, the Capacity (CAP), the Input Power (IPT) and therefore the Efficiency (EER) shall be corrected based on the following tables:

Cooling mode	
CAP	0.99
IPT	1.02
EER	0.97

*

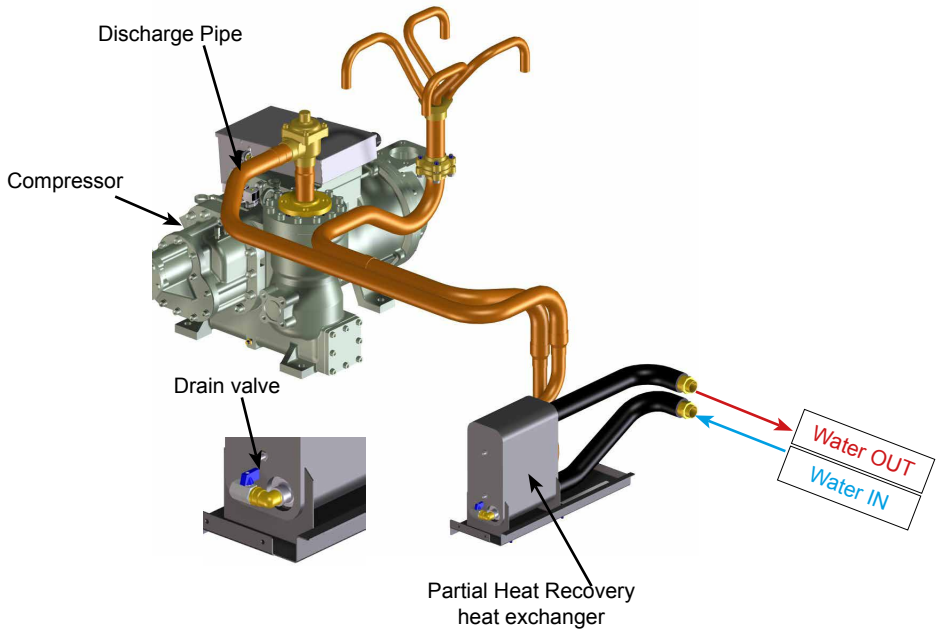
Heating mode	
CAP	0.98
IPT	1.02
COP	0.96

**

** Based on test without Heat Recovery and with Heat Recovery but OFF (553-005).*

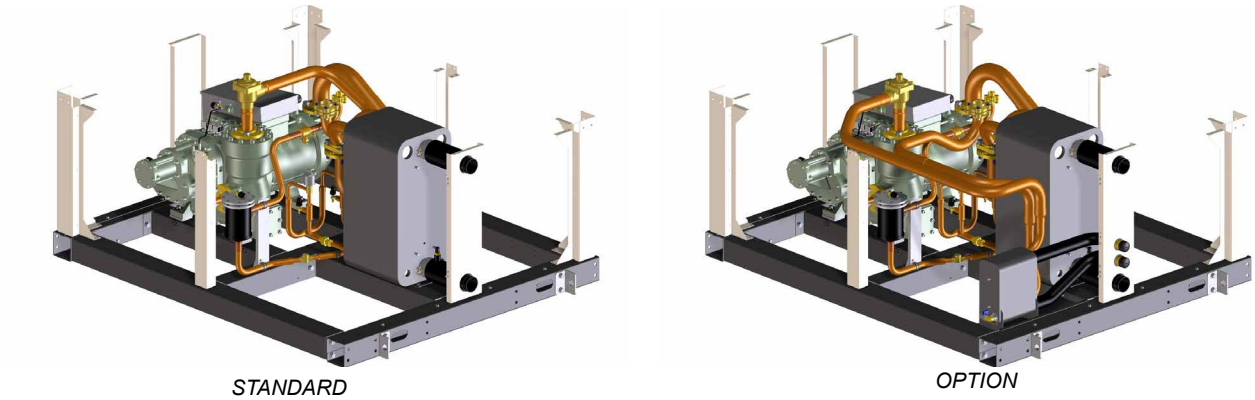
*** Estimated 1% additional decrease in heating capacity due to the loss in the HR PHE.*

8.25.8 Scheme



8.25.9 Assembly detail

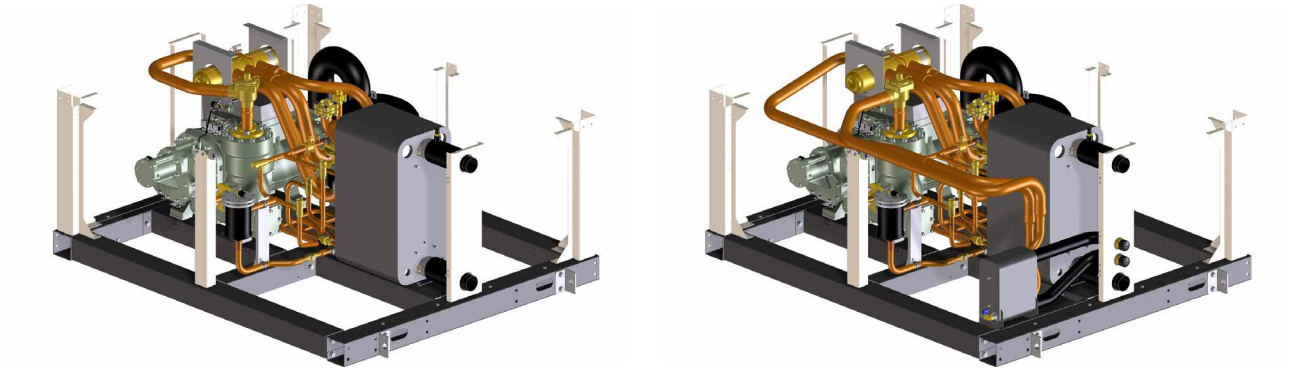
◆ **RCME-AH2**



STANDARD

OPTION

◆ **RHME-AH2**



STANDARD *OPTION*

8.26 Water PN16

Increase the maximum working pressure at water side from 10 to 16bar.

Typical applications: process cooling in high pressure chemical plants, air conditioning in tall buildings, etc…

8.26.1 Applicable models

All R(C/H)ME-AH2 units.

8.26.2 Main specifications

Maximum Working pressure at water side (shown in the unit's Specification Plate):

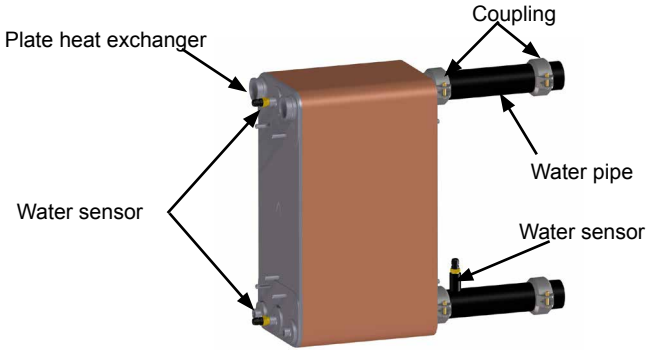
Standard	Water PN16
10 bar	16 bar

8.26.3 Incompatibilities

This option is not compatible with Flow Switch ACCESSORY, since the maximum working pressure of that device is 10bar.

8.26.4 Affected components

The components of the water system inside the Chiller units are the Plate Heat Exchanger, the Water Pipes, the Water Sensors, and the Couplings.



8.27 Witness test

Possibility for the customer to attend a real performance test on their unit at the factory where the unit is manufactured.

8.27.1 Applicable models

All R(C/H)ME-AH2 units.

8.27.2 Main specifications

Quantity/Type of tests to be performed shall be previously discussed and agreed between the Customer and Johnson Controls-Hitachi. Tests will be as follows:

- Working conditions: ambient temperature, inlet/outlet water temperatures, full/partial load, etc… to be informed in advance.
- Duration: it will depend on which and how many tests are required. Minimum: 1 day.
- Location: the tests will be performed in Johnson Controls-Hitachi facilities, in Barcelona.

Restrictions:

- Performance: some tests cannot be done because of testing facilities restrictions. For example, specific ambient temperature may not be achievable depending on the season.
- Capacity: maximum capacity of the test facility is 360kW. Test could be possible for Capacities between 360kW and 600kW in case of low flow rate (big delta T).
- Sound: sound test is not available.
- Brine: test at low water leaving temperature (below 4°C) is not available.

For further details please contact Johnson Controls-Hitachi distributor.

9. Accessories

Index

9.1 Accessory list

Unit	Modules number	Water Flow Switch	Water Strainer 2.1/2"	Water Strainer 5"	Water Flange Connection 2.1/2" (PN16)	Common Water pipe L-R	Common Water pipe -M-	Antivibration Rubber Mat	Antivibration Spring System	Antivibration Spring System	Antivibration Spring System	Modbus BMS Gateway	Bacnet adaptor	Power Meter (200A)	Power Meter (400A)	Power Meter (1000A)
		CHL-WFS-01	CHL-WST-01	CHL-WST-04	CHL-FLA-01	CHL-CWP-07	CHL-CWP-08	CHL-AVR-02	CHL-AVS-06	CHL-AVS-07	CHL-AVS-08	CHL-MBS-02	CHL-BAC-01	CHL-PMM-04	CHL-PMM-05	CHL-PMM-06
		8E500001	8E500002	8E500005	8E500011	8E500036	8E500037	8E500041	8E500038	8E500039	8E500040	8E500021	8E500027	8E500033	8E500034	8E500035
RCME-60AH2	1 module	1	1	-	1	-	-	2	1	-	-	1	1	1	-	-
	2 module	2 / 1	2 / -	- / 1	2 / -	1	-	4	2	-	-	1	1	2	1	-
	3 module	3 / 1	3 / -	- / 1	3 / -	1	1	6	3	-	-	1	1	3	-	1
RCME-70AH2	1 module	1	1	-	1	-	-	2	1	-	-	1	1	1	-	-
	2 module	2 / 1	2 / -	- / 1	2 / -	1	-	4	2	-	-	1	1	2	1	-
	3 module	3 / 1	3 / -	- / 1	3 / -	1	1	6	3	-	-	1	1	3	-	1
RCME-80AH2	1 module	1	1	-	1	-	-	3	-	1	-	1	1	1	-	-
	2 module	2 / 1	2 / -	- / 1	2 / -	1	-	6	-	2	-	1	1	2	1	-
	3 module	3 / 1	3 / -	- / 1	3 / -	1	1	9	-	3	-	1	1	3	-	1
RCME-90AH2	1 module	1	1	-	1	-	-	3	-	1	-	1	1	1	-	-
	2 module	2 / 1	2 / -	- / 1	2 / -	1	-	6	-	2	-	1	1	2	1	-
	3 module	3 / 1	3 / -	- / 1	3 / -	1	1	9	-	3	-	1	1	3	-	1
RCME-80/2AH2	1 module	2 / 1	2 / -	- / 1	2 / -	op.	op.	4	-	-	1	1	1	-	1	-
	2 module	4	4	-	4	-	-	8	-	-	2	1	1	-	2	1
	3 module	6	6	-	6	-	-	12	-	-	3	1	1	-	3	1
RCME-120AH2	1 module	2 / 1	2 / -	- / 1	2 / -	op.	op.	4	-	-	1	1	1	-	1	-
	2 module	4	4	-	4	-	-	8	-	-	2	1	1	-	2	1
	3 module	6	6	-	6	-	-	12	-	-	3	1	1	-	3	1
RHME-60AH2	1 module	1	1	-	1	-	-	2	1	-	-	1	1	1	-	-
	2 module	2 / 1	2 / -	- / 1	2 / -	1	-	4	2	-	-	1	1	2	1	-
	3 module	3 / 1	3 / -	- / 1	3 / -	1	1	6	3	-	-	1	1	3	-	1
RHME-70AH2	1 module	1	1	-	1	-	-	2	1	-	-	1	1	1	-	-
	2 module	2 / 1	2 / -	- / 1	2 / -	1	-	4	2	-	-	1	1	2	1	-
	3 module	3 / 1	3 / -	- / 1	3 / -	1	1	6	3	-	-	1	1	3	-	1
RHME-80AH2	1 module	1	1	-	1	-	-	3	-	1	-	1	1	1	-	-
	2 module	2 / 1	2 / -	- / 1	2 / -	1	-	6	-	2	-	1	1	2	1	-
	3 module	3 / 1	3 / -	- / 1	3 / -	1	1	9	-	3	-	1	1	3	-	1
RHME-90AH2	1 module	1	1	-	1	-	-	3	-	1	-	1	1	1	-	-
	2 module	2 / 1	2 / -	- / 1	2 / -	1	-	6	-	2	-	1	1	2	1	-
	3 module	3 / 1	3 / -	- / 1	3 / -	1	1	9	-	3	-	1	1	3	-	1
RHME-120AH2	1 module	2 / 1	2 / -	- / 1	2 / -	op.	op.	4	-	-	1	1	1	-	1	-
	2 module	4	4	-	4	-	-	8	-	-	2	1	1	-	2	1
	3 module	6	6	-	6	-	-	12	-	-	3	1	1	-	3	1
RHME-140AH2	1 module	2 / 1	2 / -	- / 1	2 / -	op.	op.	4	-	-	1	1	1	-	1	-
	2 module	4	4	-	4	-	-	8	-	-	2	1	1	-	2	1
	3 module	6	6	-	6	-	-	12	-	-	3	1	1	-	3	1

NOTE

op. : option only

a / b : a -> without Common Water Pipe option/accessory ; b-> with Common Water Pipe option/accessory

x,y,z : Value of x,y,x is as follows:

If accessory is only for Cooler or Condenser: x=1 ; y=2 ; z=3

If accessory is for Cooler and Condenser (both): x=2 ; y=4 ; z=6

Accessories are field installed. They shall be ordered separately

9.2 Water flow switch

The Water Flow Switch is a safety device used to avoid the chiller running when the system water flow is insufficient or stopped, and therefore avoid water freezing inside the Plate Heat Exchanger.

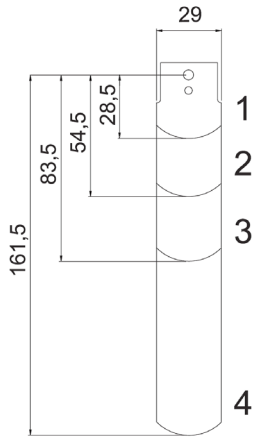
Thanks to this device, the unit can be protected under several conditions like pump stopped or locked, pipe clogging, dirty Plate Heat Exchanger, and so on.

It shall be installed at site at the water pipe of the customer (either inlet or outlet pipe).

9.2.1 Paddle selection

The size of the paddle shall be selected based on the pipe size in the following table:

"Pipe diameter (inch)"	"Paddle size"
1"	1
1.1/4"	1
1.1/2"	1
2"	1 , 2
2.1/2"	1 , 2
3"	1 , 2 , 3
4"	1 , 2 , 3
5"	1 , 2 , 3
6"	1 , 2 , 3
8"	1 , 2 , 3

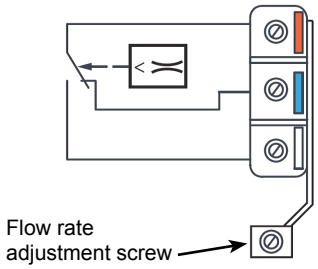


Paddle sizes (in mm)

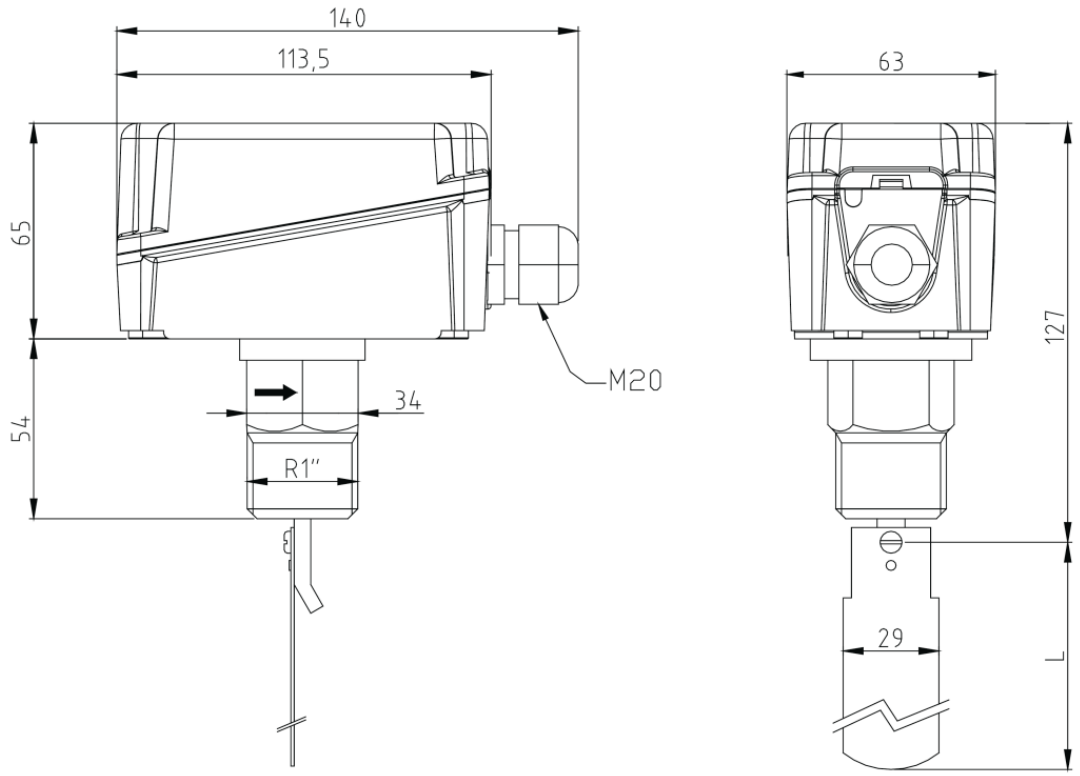
9.2.2 Flow rate adjustment

The setting of the flow rate shall be adjusted based on the minimum flow rate of the unit . Depending on the paddle size, the flow rate that can be adjusted will be between maximum and minimum values shown in next table:

"Pipe diameter (inch)"	"Minimum flow rate (m^3/h)"		"Maximum flow rate (m^3/h)"	
	cut-off	cut-in	cut-off	cut-in
1"	0,6	1,0	2,0	2,1
1.1/4"	0,8	1,3	2,8	3,0
1.1/2"	1,1	1,7	3,7	4,0
2"	2,2	3,1	5,7	6,1
2.1/2"	2,7	4,0	6,5	7,0
3"	4,3	6,2	10,7	11,4
4"	11,4	14,7	27,7	29,0
5"	22,9	28,4	53,3	55,6
6"	35,9	43,1	81,7	85,1
8"	72,6	85,1	165,7	172,5



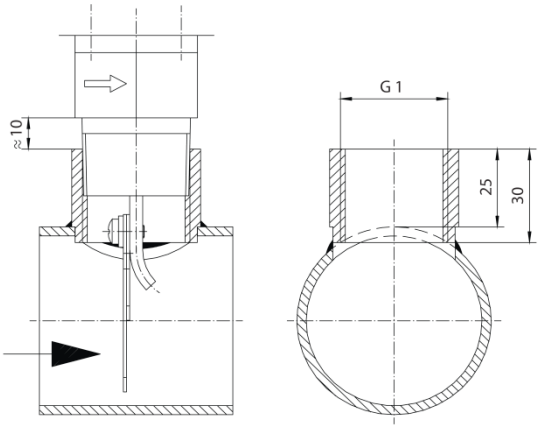
9.2.3 Dimensional drawing



9.2.4 Main specifications

- Voltage: 24V~240V
- Maximum working pressure: 10bar
- Protection grade: IP65
- Suitable pipe size: 1~8”
- Connection thread size: R1”
- Packing gland size: M20x1.5 (for cable of Ø6~9 mm approx.)

9.2.5 Installation instructions

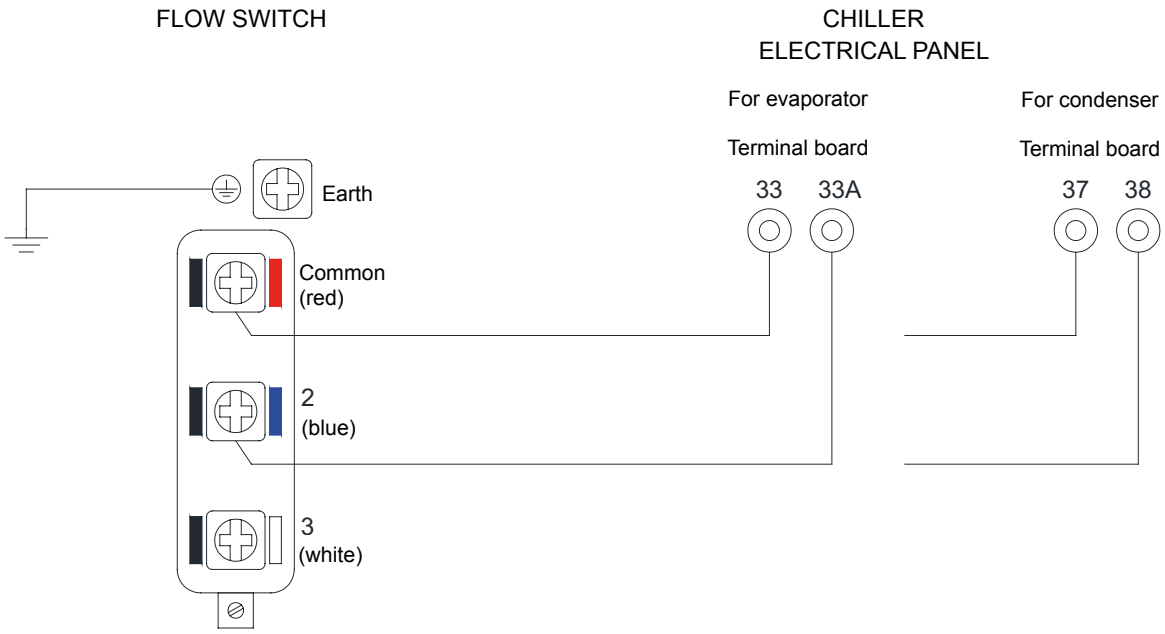


- The Flow Switch shall be installed in a straight portion of pipe, at least five times the diameter of the pipe both upstream and downstream from elbows, narrowing, filters, valves, and so on.
- It shall be positioned with the arrow (marked on the body) on the flow direction.
- If the pipe is vertical, reset range to balance paddle weight.
- For easier maintenance it is recommended to install shut-off valves before and after the Flow Switch.

9.2.6 Electrical wiring connection

◆ In case of R(C/H)ME-(60-90)AH2

The following diagram shows the connections:



At the Flow Switch side, the wirings shall be connected at the position “Common” (red) and “2” (blue).

At the Chiller Electrical Panel, the wirings shall be connected at the positions 33 and 33A of the terminal board (for the Evaporator) and 37 and 38 (for the Condenser).

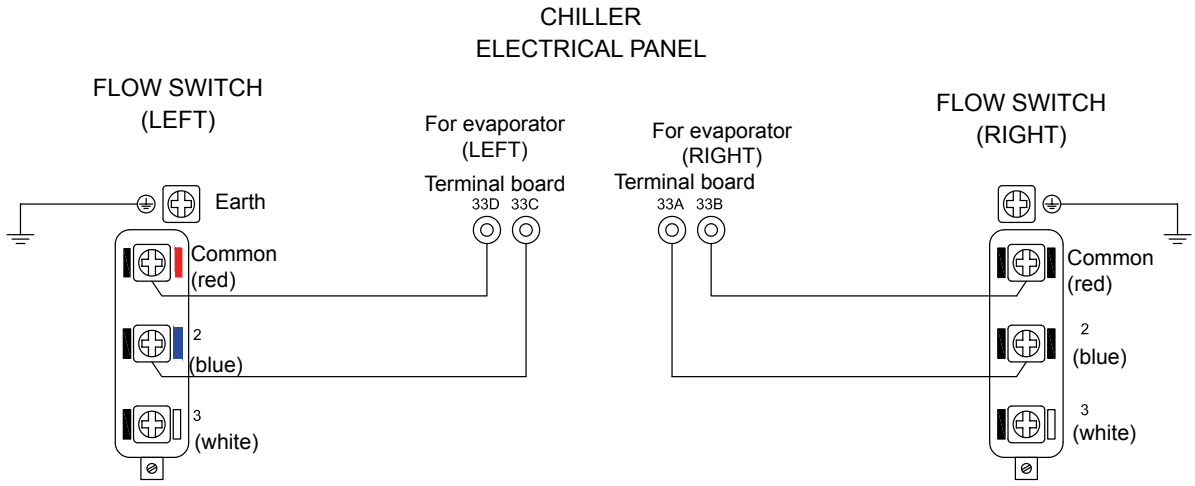
Terminal recommended: JST TT-75, JST FVPC-1.25 or similar.

Previously, the bridge between these terminals shall be removed.

Earth wire shall be installed.

◆ In case of R(C/H)ME-(120-140)AH2

The following diagram shows the connections:



At the Chiller Electrical Panel, the wirings shall be connected at the positions 33D & 33C of the terminal board (for LEFT module) and 33B & 33A (for RIGHT module).

Previously, the bridge between terminals 33C-33A shall be moved to terminals 33D-33B.

NOTE

in case of Common Water Pipe Option, only 1 Flow Switch is needed. Connect it at the positions 33D & 33C (like LEFT module), remove and throw away the bridge between terminals 33C-33A and connect a new bridge between terminals 33D-33A.

9.2.7 Alarm

In case of water flow rate below setting, alarm will appear at the 7-segments display, inside the Chiller Electrical Panel, and the unit will be stopped:

(condenser side, in case of Water-cooled units)

The units are also equipped with an LCD inside the electrical panel. In addition to the 7-segments, the LCD will also inform about the alarm by turning into red its background colour and showing the following message:

"No chilled water flow": in case of cooling operation

"No hot water flow": in case of heating operation

9.2.8 Incompatibilities

This accessory is not compatible with Water PN16 OPTION, since the maximum working pressure of the Flow Switch is 10bar.

9.3 Water Strainer

Units equipped with Plate Heat Exchangers are very sensitive to clogging and consequently could potentially freeze and be permanently damaged unless special care is taken.

The Water Strainer is a safety device used to protect the Plate Heat Exchanger against dirty water.

It shall be installed on site at the inlet water pipe of the system.

9.3.1 Parts list

The following parts are included in the accessory kit:

Part		Q'ty
Strainer		1
Flange		2
Gasket		2
Bolt		8 / 16 (*)
Nut		8 / 16 (*)
Plain Washer		8 / 16 (*)
Spring Washer		8 / 16 (*)

(*) The quantity is 8xM16 (2.1/2"), 16xM16 (5") , 16xM20 (6").

9.3.2 Size selection

Several sizes are available from 2.1/2” up to 6”:

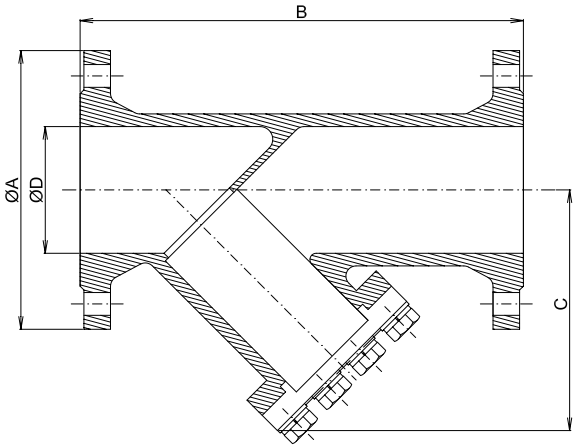
The following table shows the available sizes and their equivalences among inches, nominal diameter and external diameter of the pipe:

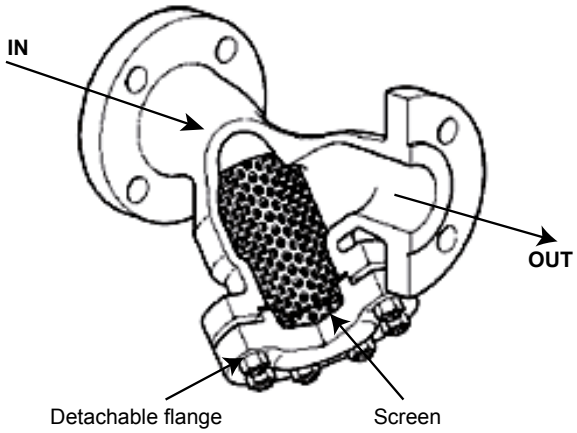
Size (in)	DN (mm)	External diameter (mm)	kv factor (m^3/h)
2.1/2”	65	76.1	108.2
5”	125	139.7	394.5
6”	150	168.3	573.1

The size shall be selected based on the size of the inlet water pipe of the unit.

Pressure drop shall be considered as well. **kv** is the factor to be used for evaluating the pressure drop of the Strainer: it indicates the water flow (m^3/h) at a pressure drop across the Strainer of $1kg/cm^2$.

9.3.3 Dimensional drawing





Dimension (mm)	2.1/2”	5”	6”
A	185	250	285
B	290	400	480
C	141	223	295
D	65	125	150

9.3.4 Main specifications

- Y-shape, detachable screen
- Connection type: flange
- Connection size: 2.1/2”, 5”, 6” (depending on the model)
- Orifice size: 1mm (2.1/2”) , 1.6mm (5”, 6”)
- Maximum working pressure: 16bar
- Screen and bolts for fixing detachable flange made of stainless steel
- Body made of cast iron, painted with epoxy powder coating

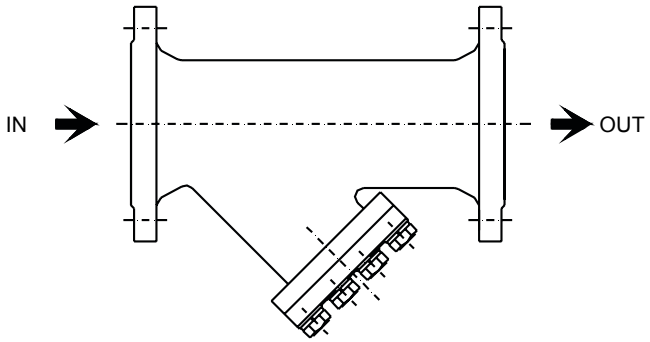
9.3.5 Installation instructions

Introduce the customer water pipe to within approximately 10mm of the flange and make the welding.

After welding, it is recommended to protect the Flanges by using polyester base painting or any other equivalent method in order to protect it against oxidation.

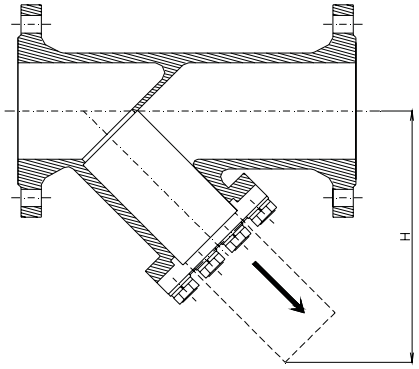
Connect the Strainer to the flanges by using M16/M20 bolts, washers and nuts. Recommended tightening torque: 160N·m (for M16) , 300N·m (for M20).

Pay attention to the direction of the flow:



Keep a minimum service space: distance “H” shown in the figure below shall be considered to make possible the removal of the screen.

“Dimension (mm)”	2.1/2”	5”	6”
H	178	310	405



It is necessary to clean periodically the Water Strainer screen according to its clogging degree.

For easier maintenance it is recommended to install shut-off valves before and after the Water Strainer.

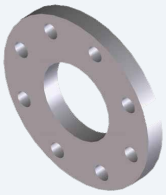
9.4 Water flange connection

The Water Flange Connection (PN16) is a set of 4 steel flanges that converts the standard water pipe connection type (both Victaulic type and welded type) into flange connection.

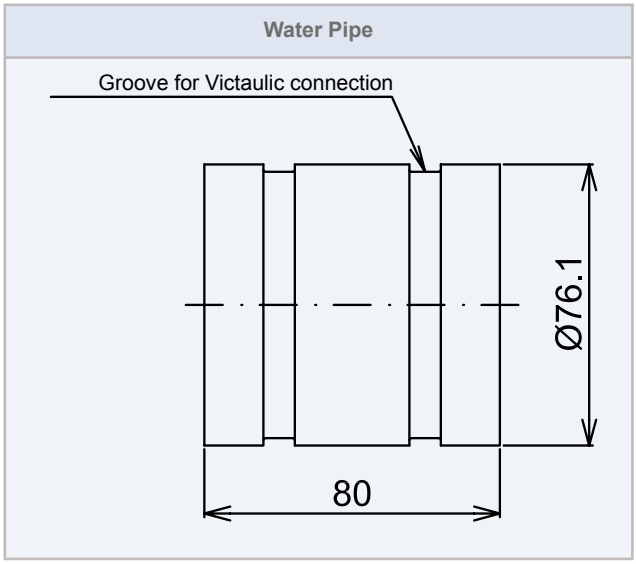
It shall be installed at site on both the unit water pipes and customer water pipes (both inlet and outlet pipes).

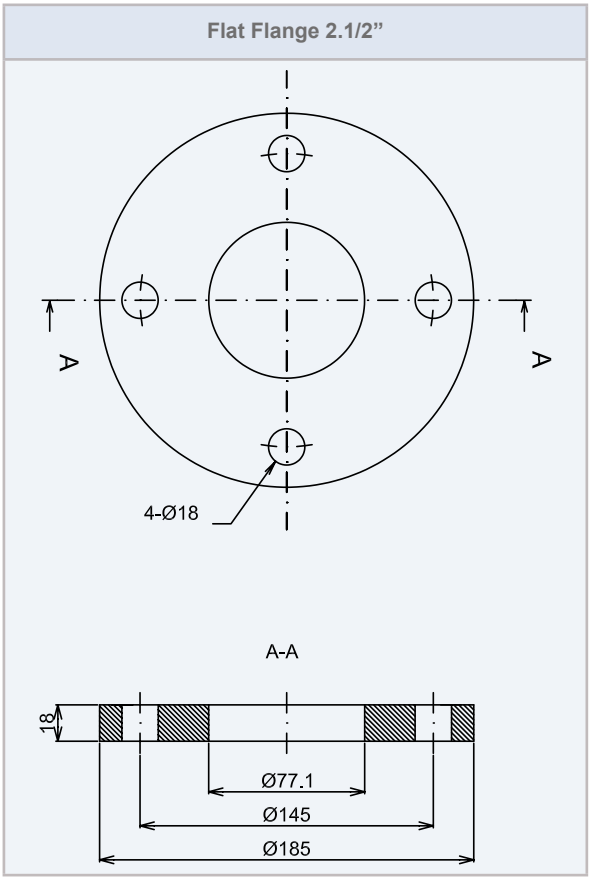
The maximum allowable pressure is 16 bar.

9.4.1 Parts list

Accessory		Q'ty
Flange for Victaulic groove		2
Flat Flange		2
Water Pipe		2
M16 Bolt		8
Nut		8
Plain Washer		8
Spring Washer		8

9.4.2 Dimensional drawing





9.4.3 Main specifications

- Maximum allowable pressure: 16bar.
- Flat Flange made of steel, without surface treatment.
- Flange for Victaulic groove made of steel, with hot-dip galvanised treatment.
- Bolts and washers made of steel with triple Deltaprotekt coating.

9.4.4 Incompatibilities

Incompatible with:

- “Common Water Pipe” accessory, since this accessory already includes the Flanges at the edges of the water pipes.
- “Stainless Steel Water Pipe” option, since the Water pipe included in the accessory is not made of stainless steel.

9.4.5 Installation instructions

For both inlet and outlet water pipe sides, loosen the last Victaulic joint of the unit and replace the last water pipe of the unit by the Water Pipe supplied in the accessory kit.

Install the Flange for Victaulic groove (together with its rubber gasket) at the end of the supplied Water Pipe.

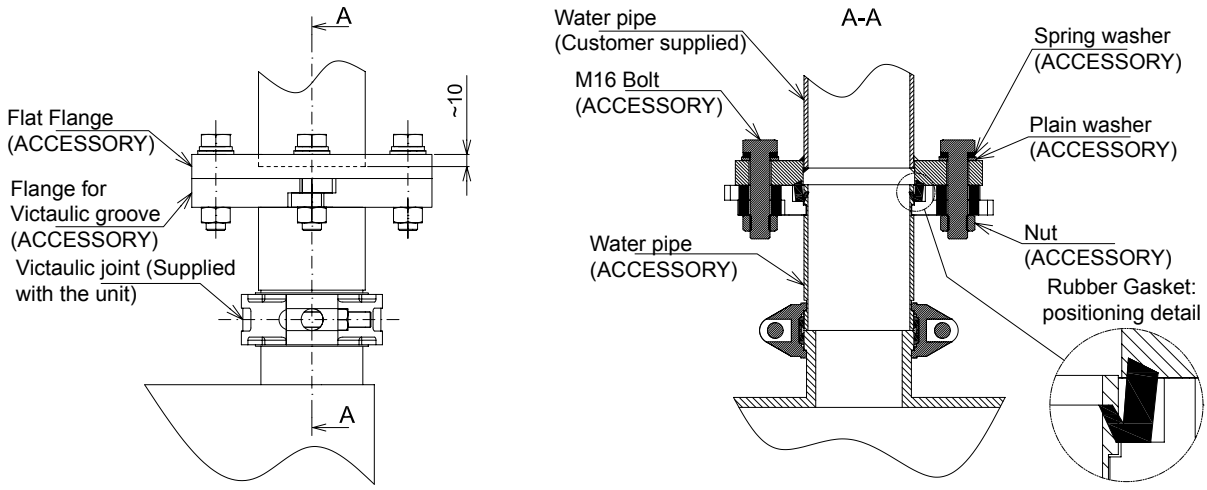
On the other hand, weld the Flat Flange to the customer water pipe. It is not necessary to take care about the rotation of the holes of the Flange, since the counter-flange is a grooved type flange and therefore can be rotated and positioned at any angle.

Connect both flanges (Flat Flange and Flange for Victaulic groove) by using M16 bolts, washers and nuts. Recommended tightening torque: 160N·m.

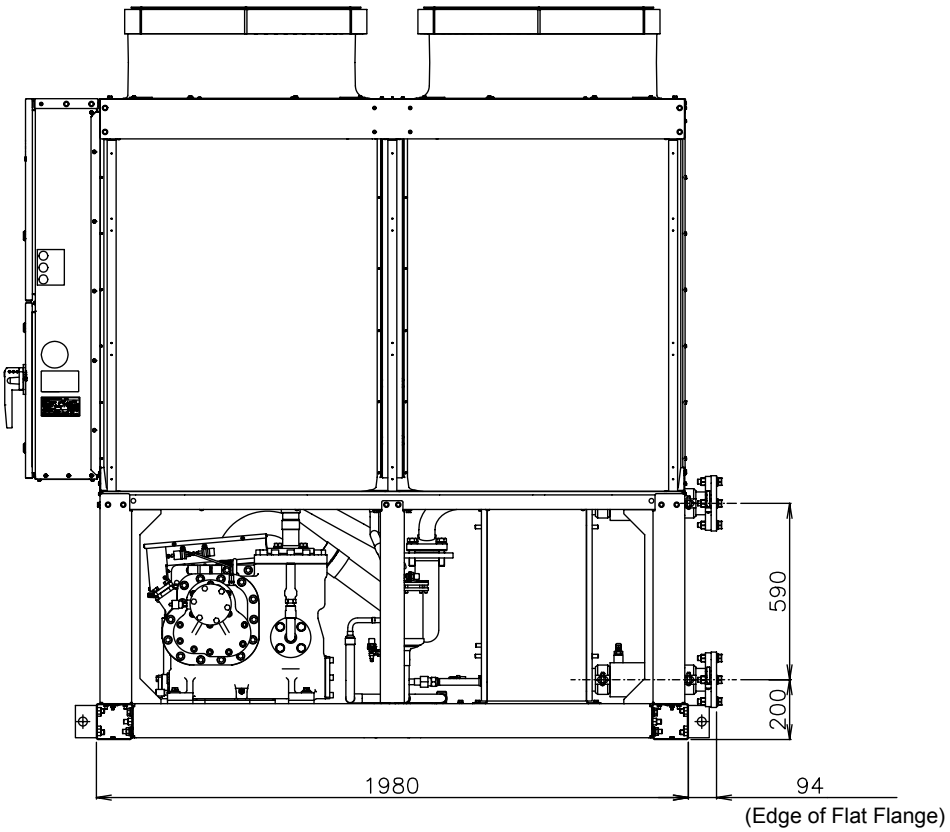
NOTE

In all the cases, after welding, the Flat Flange shall be protected from oxidation by applying polyester base painting or any other equivalent method.

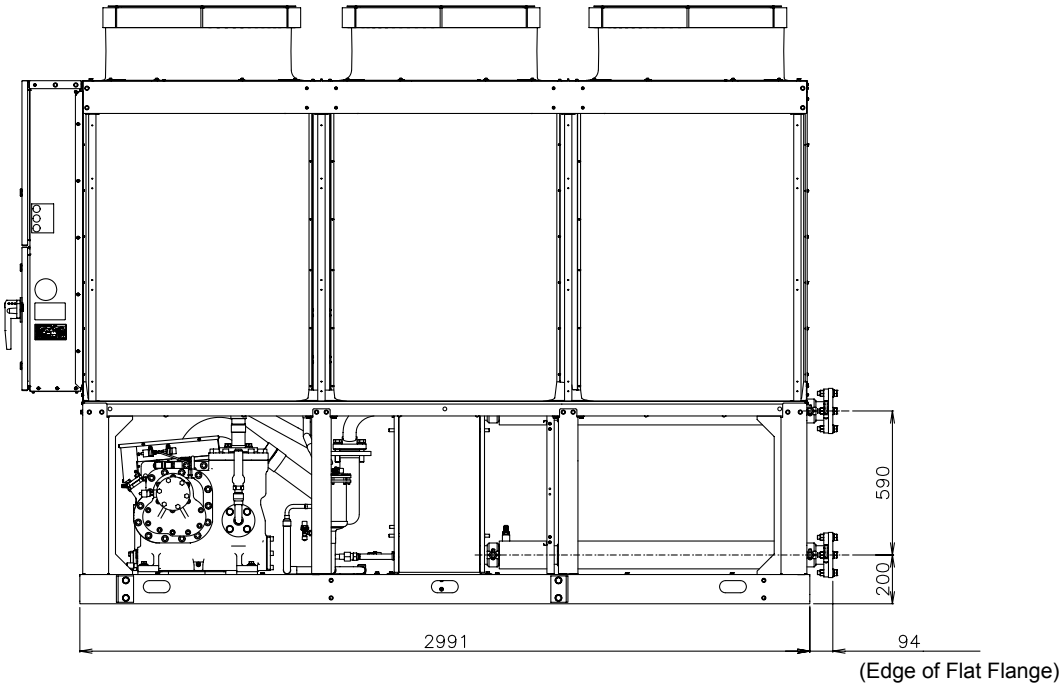
The following drawing shows in detail how to install the Water Flange to the Chiller unit in general.



◆ **In case of R(C/H)ME-(60-70-120-140)AH2**



◆ n case of R(C/H)ME-(80-90)AH2



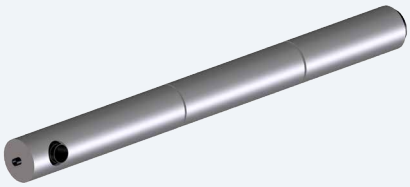
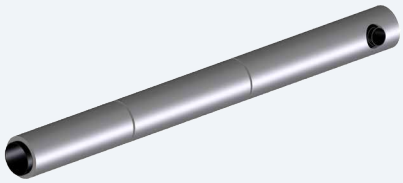
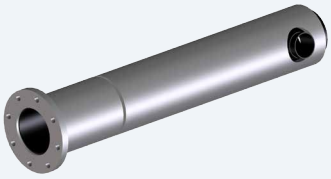
9.5 Common water pipe

The Common Water Pipe collects water from each module (up to 3), providing a single water inlet and outlet connections.

Thanks to this accessory the water distribution is equal to each module, avoiding bad water distribution that could cause unit malfunction.

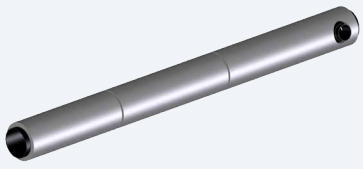
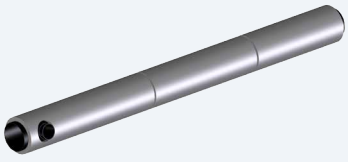
The maximum allowable pressure is 16 bar.

◆ **In case of 8E50036**

Part		Q'ty
CW Pipe 1		1
CW Pipe 2		1
CW Pipe 3		1
CW Pipe 4		1
Companion Flange		2
Gasket		2

Part		Q'ty
Victaulic joint		2
Stay L		2
Stay R		2
M10 U_Bolt		6
M10 Nut		12
M16 Bolt		16
M16 Nut		16
Plain Washer		16
Spring Washer		16

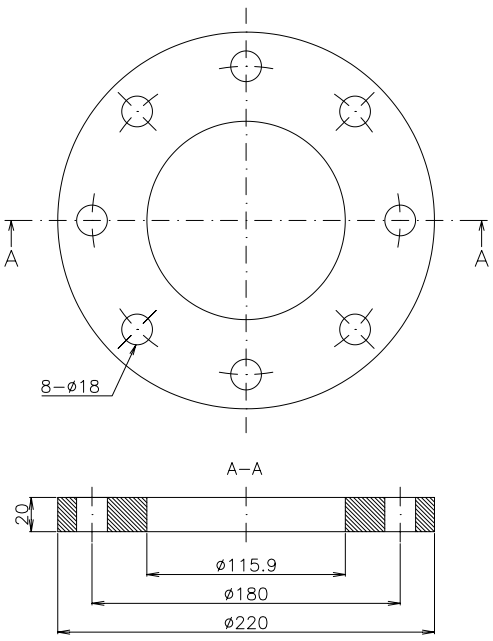
◆ **In case of 8E50037**

Part		Q'ty
CW Pipe 5		1
CW Pipe 6		1

Part		Q'ty
Victaulic joint		2
Stay L		1
Stay R		1
M10 U_Bolt		4
M10 Nut		8

9.5.1 Dimensional drawing

Companion Flange (5")
(only 8E500036)



9.5.2 Main specifications

- Connection type and size: 5” flange
- Maximum working pressure: 16bar
- M10 U-Bolt and nuts made of stainless steel
- M16 Bolts, nuts and washers made of steel with triple Deltaprotekt coating.
- Water pipes have cataphoresis treatment.
- Companion Flange made of steel. To be painted after welding at site.
- Water pipes are thermal insulated with an external aluminium foil for UV protection.

9.5.3 Installation instructions

Use the Common Water Pipe accessories as follows:

- 8E500036: for end modules (first and last modules)
- 8E500037: for intermediate modules

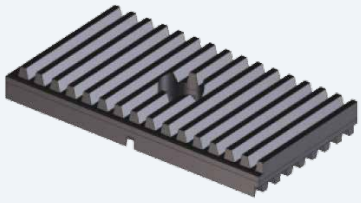
9.6 Antivibration Rubber Mat

The Antivibration Rubber Mat is a set of 2 pieces of rubber used to reduce the transmission of the unit vibrations to the ground.

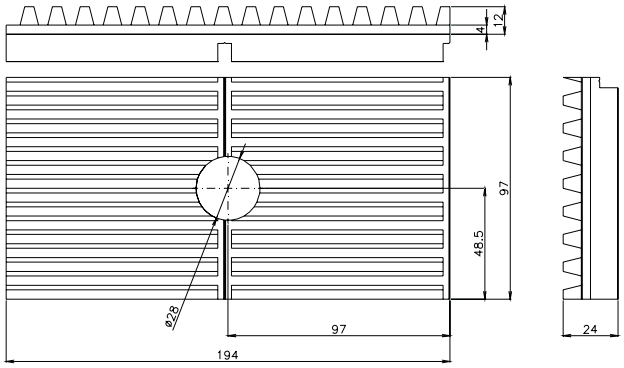
Thanks to this accessory, the vibration isolation grade achieved will be between 70 % and 85 %, depending on the model.

It shall be installed at site between the base of the unit and the ground.

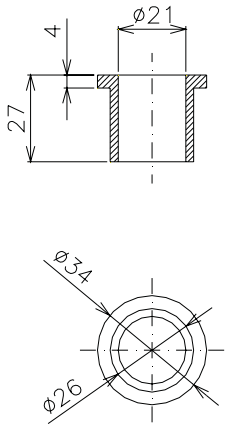
9.6.1 Parts list

Part		Q'ty
Rubber bush		1
Rubber_mat		1

9.6.2 Dimensional drawing (in mm)



Rubber mat



Rubber bush

9.6.3 Main specifications

Model	Vibration Isolation Grade
AH2 Series	70 %

9.6.4 Installation instructions

Make a hole on the ground for a M20 bolt.

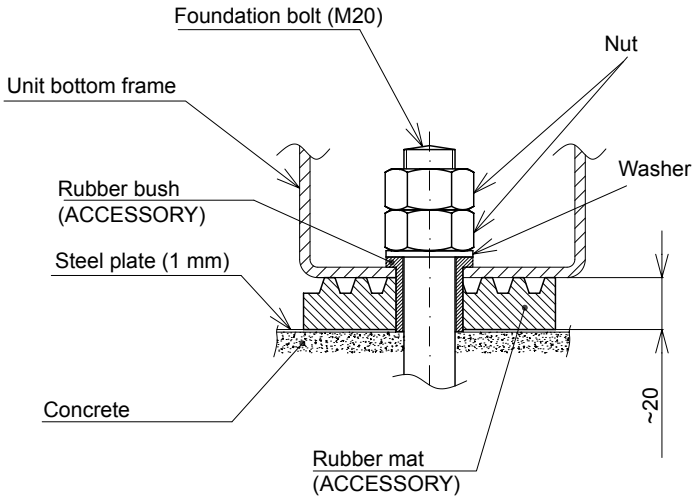
Put the Rubber mat on the ground, aligned with the hole made previously.

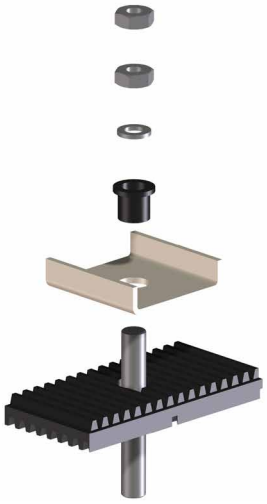
Recline the unit on the Rubber mats. Make sure that the existing holes on the unit base frame (ϕ26mm) are aligned with the hole on the Rubber mat.

Insert the Rubber bush to the Rubber mat through the Unit bottom frame hole.

Put a plain washer and fix the system with a double M20 nut to avoid loosening due to unit vibration.

See the following scheme for more detail.





It is recommended to use stainless steel bolts, nuts and washers if the units will be installed outdoors.

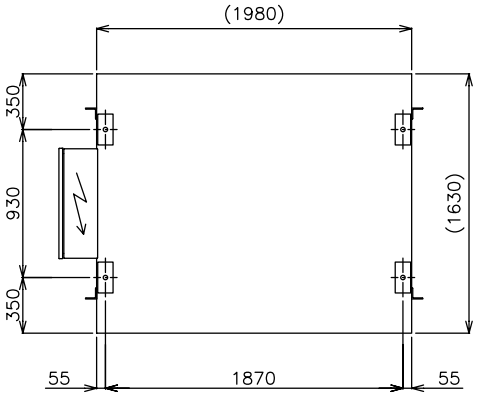
Do not stand below the unit while it is lifted.

9.6.5 Mounting locations

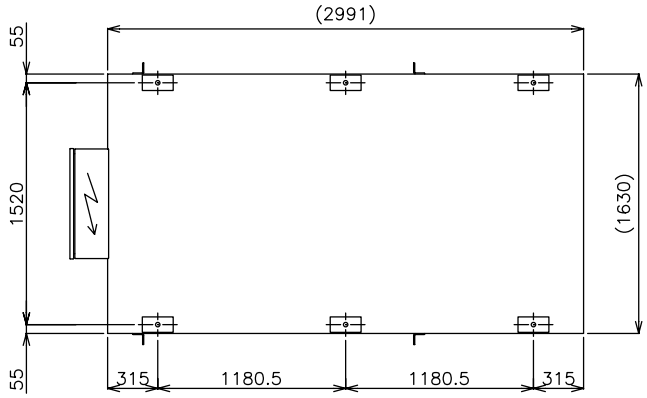
The Rubber mats and Rubber bushes shall be mounted at different locations depending on the unit type and model.

Refer to the following upper views of the unit bases for detailed information.

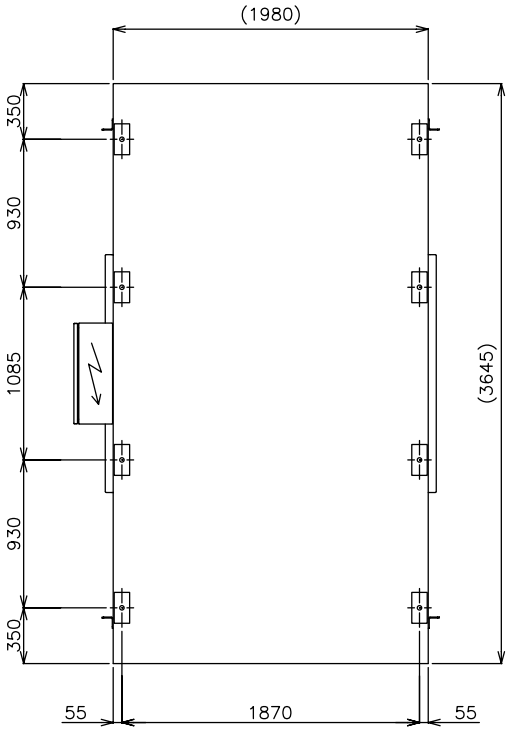
R(C/H)ME−60/70AH2



R(C/H)ME−80/90AH2



R(C/H)ME−120/140AH2



9

9.7 Antivibration spring system

The Antivibration Spring System is used to reduce the transmission of the unit vibrations to the ground.

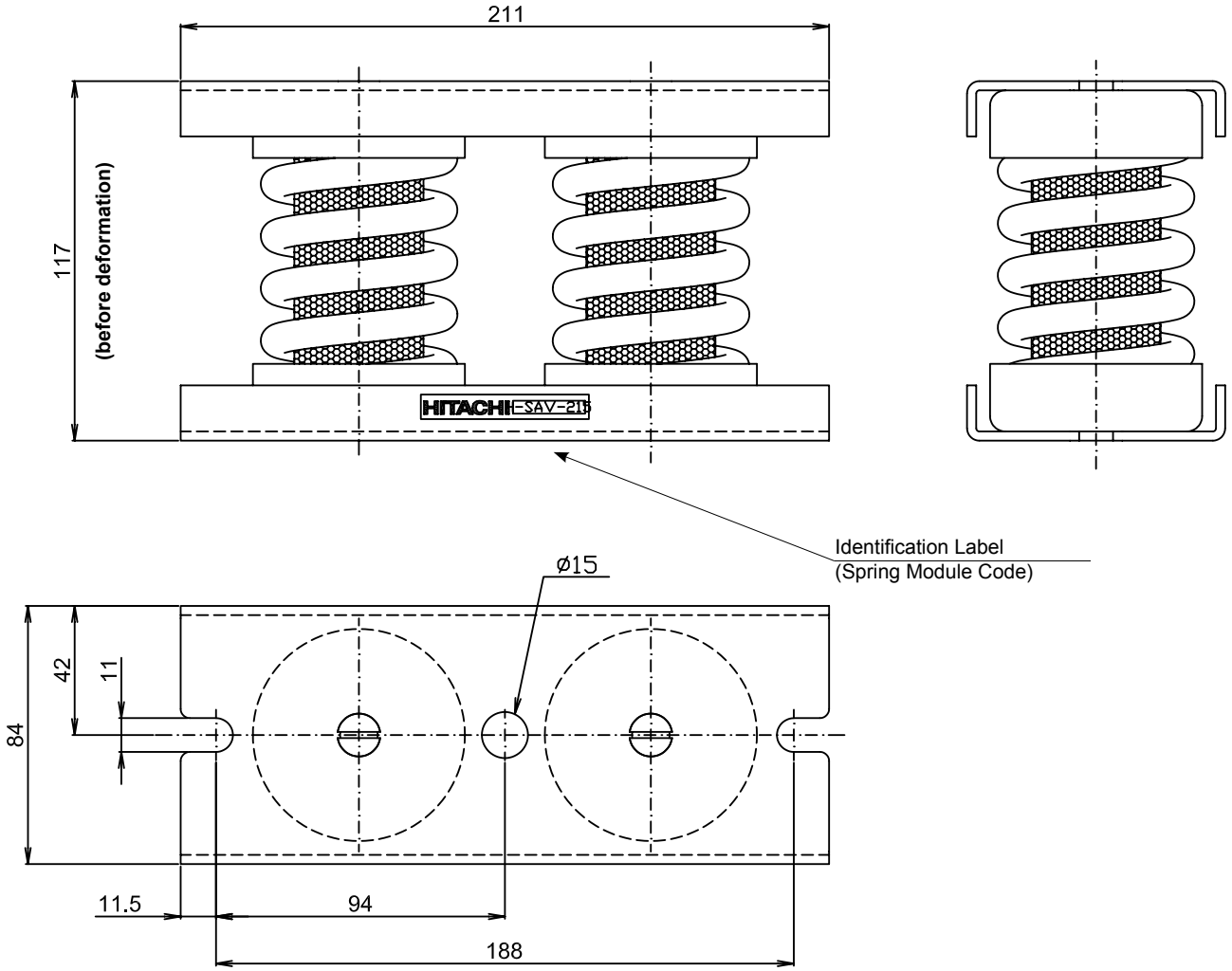
Thanks to this accessory, the vibration isolation grade achieved will be until 95%.

It shall be installed at site between the base of the unit and the ground.

9.7.1 Parts list

Accessory		Q'ty		
		8E500038	8E500039	8E500040
Spring System		4	6	8
M8 Bolt		8	12	16
Plain Washer		8	12	16
Spring Washer		8	12	16
M12 Bolt		4	6	8
Plain Washer		4	6	8
Spring Washer		4	6	8

9.7.2 Dimensional drawing



9.7.3 Main specifications

- Vibration isolation grade: until 95%
- Bolts and washers made of steel with triple Deltaprotekt coating.
- Plates and springs made of steel, painted with epoxy powder coating.

9.7.4 Incompatibilities

Incompatible with “Antivibration Rubber Mat” accessory, since the function is the same but with different specifications.

9.7.5 Installation instructions

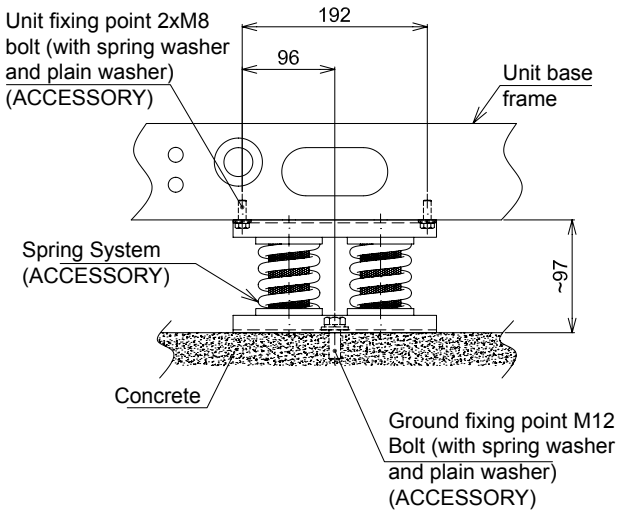
Lift the unit and fix the Spring System to the base frame of the unit by using 2xM8 bolts (insert plain and spring washer). Recommended tightening torque: 25N·m.

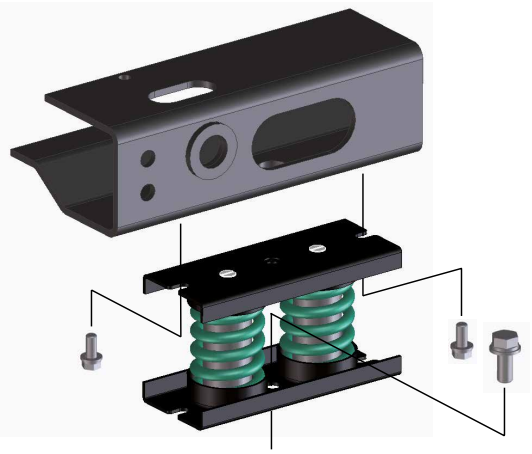
Pay attention to the Identification label on the spring modules since each one could be different. The location of each spring module shall follow the mounting location shown in the Product Manual.

Make a hole on the ground for a M12 bolt.

Recline the unit on the ground, making sure that the ϕ15mm hole of the bottom plate of the Spring System is aligned with the M12 hole previously done.

Fix the Spring System to the ground by using 1xM12 bolt (insert plain and spring washer). Recommended tightening torque: 80N·m.

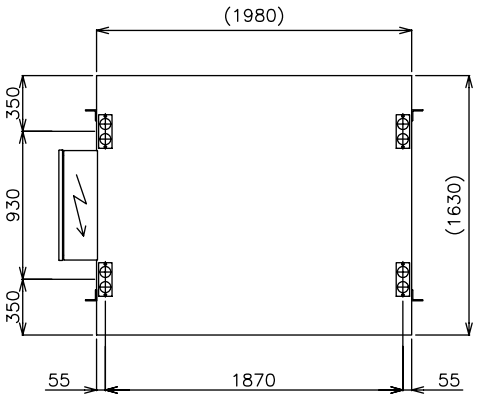




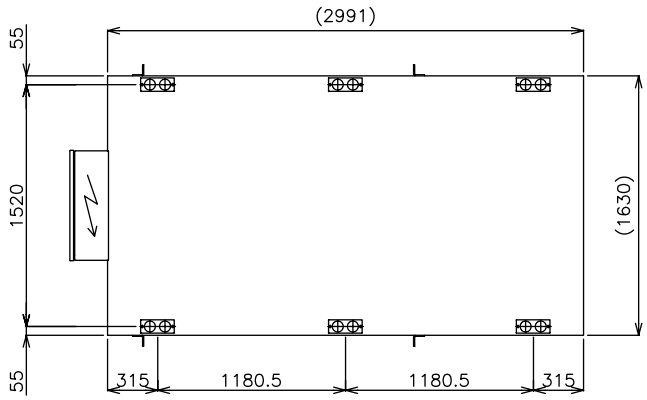
Do not stand below the unit while it is lifted.

9.7.5.1 Mounting locations

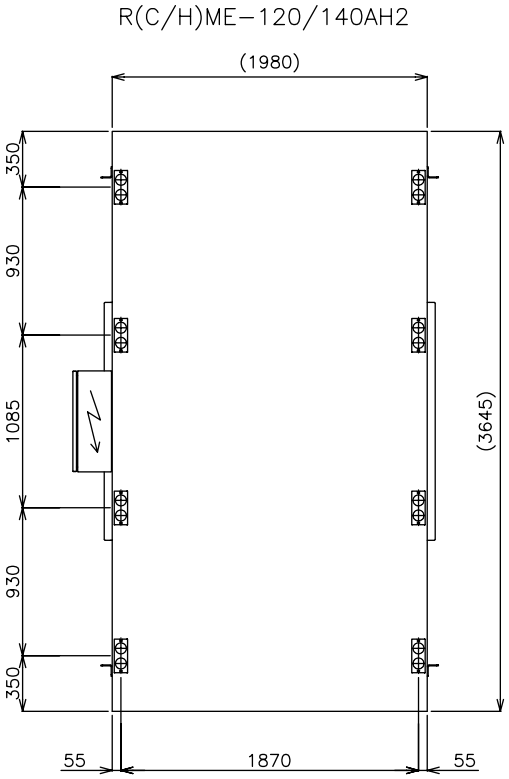
R(C/H)ME−60/70AH2



R(C/H)ME−80/90AH2



R(C/H)ME−120/140AH2



NOTE

This accessory is not available for those units that are the result of 2 or 3 modules factory combined, i.e. R(C/H)ME-XXX/(2/3)AH2.

9.8 Modbus BMS Gateway

This device is used to integrate the chiller units in a building management system (BMS) using MODBUS communication protocol.

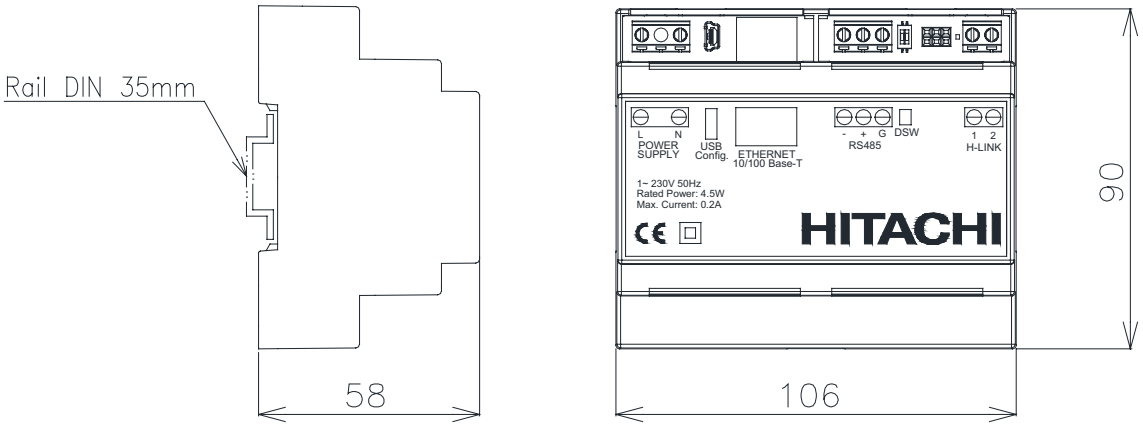
Possible to manage:

- Switch unit ON/OFF
- Fix setting temperature
- Select cooling/heating
- etc…

9.8.1 Parts list

Accessory		Q'ty
Gateway device		1
Memory stick		1

9.8.2 Dimensional drawing



Connecting wirings shall be field supplied.

9.8.3 Main specifications

- Power supply: 1~230V ±10% 50Hz
- Power consumption: 4.5W (max)
- Weight: 165g
- Assembling conditions: indoors
- Ambient Temperature: 0 ~ 60°C
- Maximum number of Chillers: 1 Chiller (up to 8 modules)

9.8.4 Others

For further information like wiring restrictions, installation instructions, service space, DIP switch setting, available data, alarm code list, troubleshooting, etc see Product Manual PMML0324 B.

9.9 Bacnet Adaptor

This device is used to integrate the chiller units in a building management system (BMS) using BACNET communication protocol.

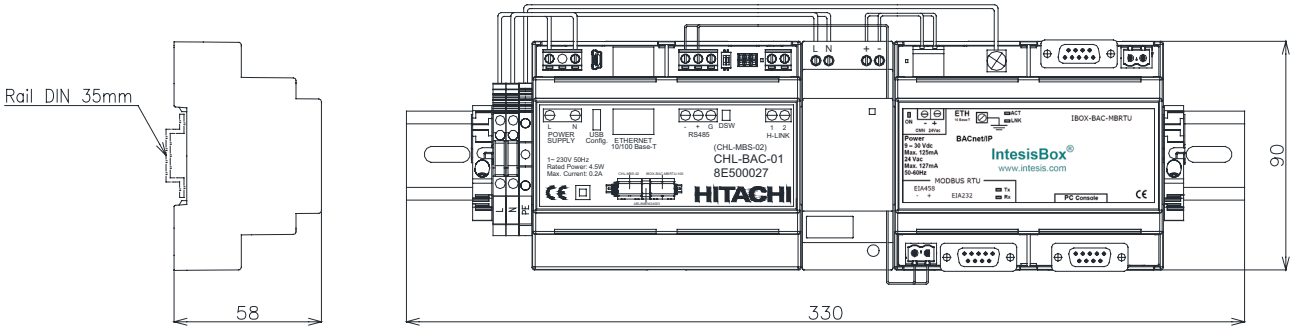
Possible to manage:

- Switch unit ON/OFF
- Fix setting temperature
- Select cooling/heating
- etc…

9.9.1 Parts list

Accessory		Q'ty
Gateway device		1
Cable for PC console		1
Memory stick		1

9.9.2 Dimensional drawing



Connecting wirings shall be field supplied.

9.9.3 Main specifications

- Power supply: 1~230V ±10% 50Hz
- Power consumption: 10W (max)
- Weight: 615g
- Assembling conditions: indoors
- Ambient Temperature: 0 ~ 60°C
- Maximum number of Chillers: 1 Chiller (up to 8 modules)

9.9.4 Others

For further information like wiring restrictions, installation instructions, service space, DIP switch setting, available data, alarm code list, troubleshooting, etc see Product Manual PMML0357 B.

9.10 Power meter

This device is used to visualize electrical data of the unit like:

- Power Consumption (active/reactive).
- Voltage (V), current (I), frequency (Hz), power factor, etc…
- Average, maximum and instant values.
- Hour counter.
- etc…

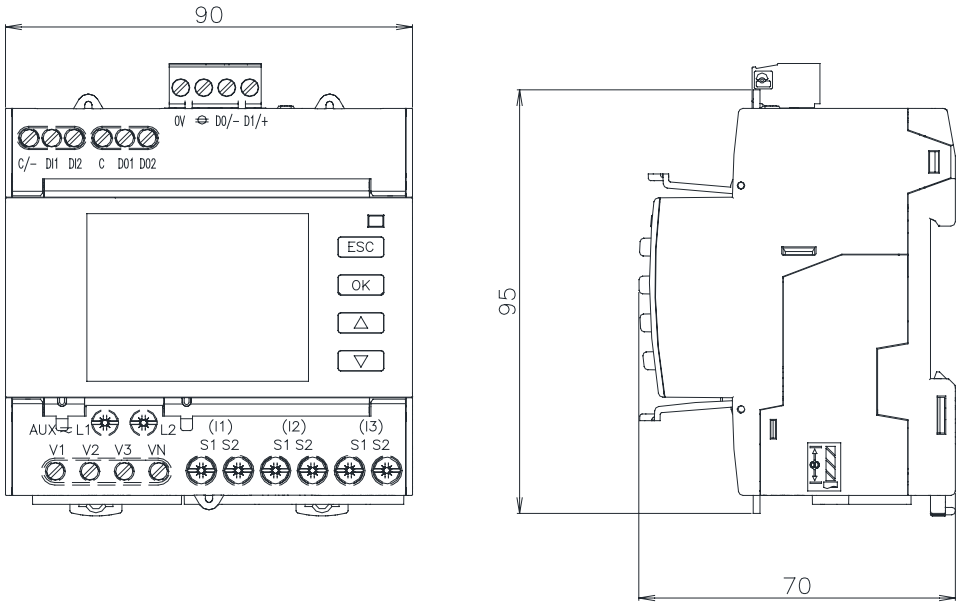
Communication port protocol Modbus, RS 485 interface is available.

9.10.1 Parts list

The following parts are included in the accessory kit:

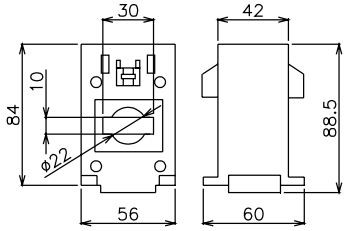
Part		Qty.
Power Meter		1
Current Transformer		3

9.10.2 Dimensional drawing

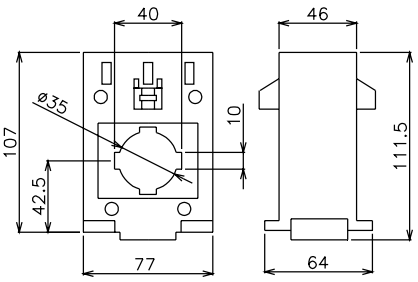


◆ **Current transformers**

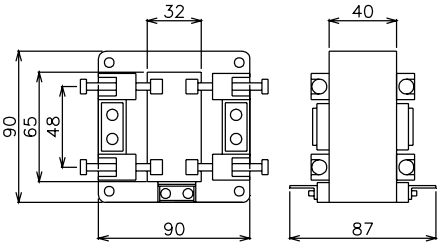
8E500033



8E500034



8E500035



9.10.3 Main specifications

- Current Transformers:
- Protection grade: IP20
- Operating temperature: -25ºC ~ +60ºC
- Other specifications according to next table:

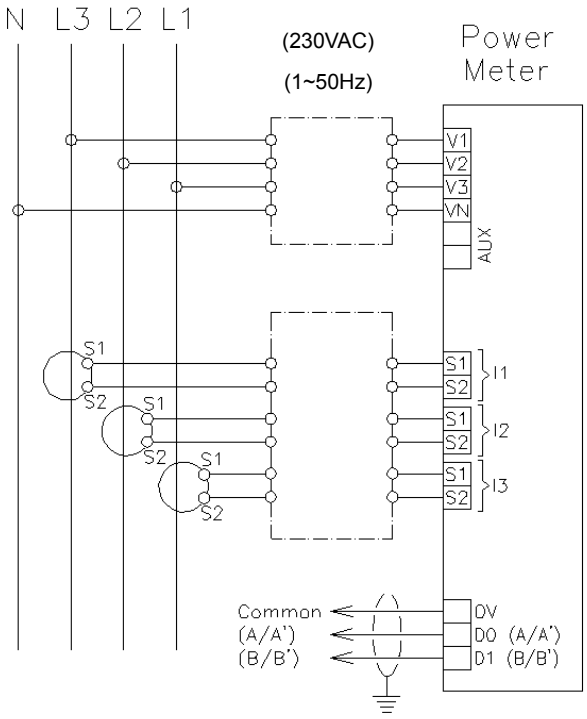
Accessory code	Rating IP/5A	Insulated cable		Opening dimension for bars (mm)	Adapter for DIN rail	Mouting plate	Insulated locking screw	Weight (g)
		Max. diameter (mm)	Max. cross-section (mm^2)					
8E500033	200 A	22	150	30 x 10	■	■	■	270
8E500034	400 A	35	240	40 x 10	■	■	■	430
8E500035	1000 A	-	-	65 x 32	-	-	■	600

◆ Power meter

- Power supply: 1~230V ±10% 50Hz
- Communication port protocol: Modbus, RS 485 interface
- DIN rail mounting
- Protection grade: IP52 on front side
- Operating temperature: -25ºC ~ +55ºC
- Weight: 0.26kg

9.10.4 Installation instructions

Connect the Current Transformers and Power Meter device as shown in the next scheme:



9.10.5 Others

For Power Meter device configuration see Product Manual PMML0349 A.

HITACHI

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Johnson Controls-Hitachi Air Conditioning Spain, S.A.U. is certified with: ISO 9001 of AENOR, Spain for its Quality Management accordance with the standard ISO 14001 of AENOR Spain for its Environmental Management systems accordance with the standard.

HITACHI participates in the Eurovent Certification Programme; the certified data of certified models are listed in the Eurovent Certification Online Directory (www.eurovent-certification.com).

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