

Primary R32

Best value for money



Integrated condensate pump

With an elevation of 700 mm, these ducted units suit most projects.

Flexible air intake from below or from the back

This solution offers true installation flexibility depending on the type of configuration. You can change the intake – from below or from the rear. You do not need to change the equipment, just set the static pressure. (Fig. 1)

NEW Versatile

Up to 8 indoor units connected to a single remote control (with HDBA21NEWH + HCWA21NEHH). See diagrams on p168.

Large static pressure control range

Large static pressure control range (up to 120 Pa) for long ducts and multizone applications, allowing for a more practical and flexible installation.

Long pipe run and large height level differences

With up to 50 m of pipe run and a height difference up to 30 m, the Primary range offers great flexibility in configuring your systems. (Fig. 2)

Guaranteed efficiency

The performance of our Primary ducted unit range is guaranteed in Heating mode down to an outside temperature of -15°C. DC Inverter technology precisely adjusts the power needed to heat residential or public buildings, and ensures the comfort and durability of the system.

Auto-restart after a power outage

When power is restored after a power outage, all pre-settings are kept and the air-conditioning will run under the previous settings.

Fig. 1

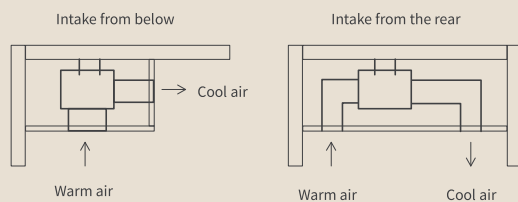
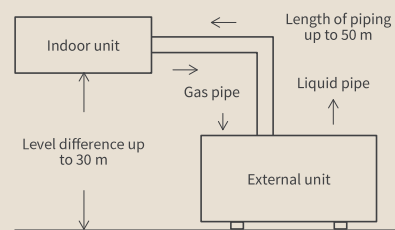
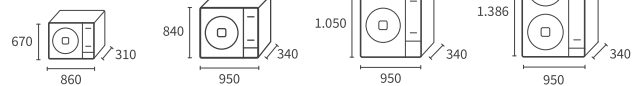
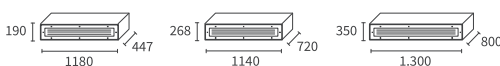


Fig. 2



Indoor units

Outdoor units



RPIL-3.0UFE1NH

RPIH-3.5UFE1NH
RPIH-4.0UFE1NH

RPIH-5.0UFE1NH
RPIH-6.0UFE1NH
RPIH-6.5UFE1NH

RAS-3.0UFESNH1
RAS-3.5UFESNH1

RAS-4.0UFESNH1

RAS-5.0UFESNH1
RAS-5.0UFESMH1

RAS-6.0UFESNH1
RAS-6.0UFESMH1
RAS-6.5UFESMH1

		6.9 kW	8.5 kW	10.1 kW	12.5 kW	14.1 kW	12.1 kW	14.2 kW	17.1 kW
Performance, cooling	Unit	3 HP	3.5 HP	4 HP	5 HP	6 HP	5 HP	6 HP	6.5 HP
Nominal cooling capacity (min-max)	kW	6.90 (2.45 - 7.85)	8.50 (4.00 - 9.50)	10.10 (3.50 - 11.00)	12.50 (3.30 - 13.20)	14.10 (3.20 - 16.00)	12.10 (3.30 - 13.20)	14.19 (3.20 - 16.00)	17.10 (3.30 - 18.50)
UK total cooling (sensible)	kW	7.45 (4.17)	9.18 (5.14)	10.91 (6.11)	13.50 (7.56)	15.23 (9.29)	13.07 (7.32)	15.33 (9.35)	18.47 (10.35)
Rated power input Cooling (min-max)	kW	2.16	2.67	3.80	4.22	4.78	4.22	4.78	6.60
EER	-	3.19	3.18	2.66	2.85	2.95	2.87	2.97	2.59
Energy class Cooling	-	A++							
SEER (average climate)	-	6.29	6.20	6.10	6.10	5.94	6.28	5.94	5.81
Annual power consumption	kWh/year	395	499	577	698	829	761	849	943
Working range in Cooling	°C	-15°C / +48°C							

Performance, heating									
Nominal heating capacity (min-max)	kW	8.3 (2.20 - 8.70)	9.00 (3.50 - 9.40)	10.50 (3.50 - 11.00)	12.80 (3.00 - 14.60)	16.50 (3.40 - 18.50)	13.4 (3.00 - 14.60)	13.4 (3.00 - 14.60)	18 (3.00 - 19.50)
Heating capacity at -7°C ⁽¹⁾	kW	4	5.6	6.5	8.4	9.9	8.4	9.9	11.1
Rated power input Heating (min-max)	kW	2.22	2.40	3.50	3.82	4.65	4.07	4.65	6.10
COP	-	3.74	3.75	3	3.35	3.40	3.29	3.47	2.95
Energy class Heating	-	A							
SCOP (average climate)	-	4.05	4.00	3.92	3.70			3.72	
Annual power consumption	kWh/year	2007	2313	2926	3392	4503	3674	4694	4205
Working range in Heating	°C	-15°C / +24°C							

Indoor units		RPIH-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH
Sound pressure in Cooling mode (L / M / H) ⁽²⁾	dB(A)	31 / 34 / 38	33 / 38 / 41	38 / 40 / 42	37 / 40 / 43	42 / 45 / 47	37 / 40 / 43	42 / 45 / 47	43 / 45 / 48
Sound power in Cooling mode	dB(A)	61	63	65	69	77	69	77	
Airflow in Cooling mode (L / M / H)	m³/h	490 / 700 / 1000	900 / 1120 / 1450	1400 / 1600 / 1800	1300 / 1500 / 1750	1900 / 2200 / 2400	1300 / 1500 / 1750	1900 / 2200 / 2400	
Rated available static pressure (min-max)	Pa	25.0 (0 - 40)	37.0 (0 - 120)			50.0 (0 - 120)			
Dimensions (H x L x D)	mm	190 x 1180 x 445	268 x 1140 x 720			350 x 1300 x 800			
Net weight	kg	24.0	37.5			51			
Condensate pump	-	Included							
Condensate outlet diameter (ext.)	mm	32							
Air filter	-	Included							
Remote control	-	Wired programmable unit included (HCWA21NEHH)							

Outdoor units	Unit	RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESNH1	RAS-6.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1
Sound pressure in Cooling mode	dB(A)	54	54	58	62			67	
Sound power in Cooling mode	dB(A)	69	70		76			80	
Airflow (cooling)	m³/h	3150		3800	5800	6300	5800	6300	
Dimensions (H x L x D)	mm	670 x 860 x 310		840 x 950 x 340	1050 x 950 x 340	1386 x 950 x 340	1050 x 950 x 340	1386 x 950 x 340	
Net weight	kg	49.0		70.0	85.0	101.5	85.0	101.5	109.0
Compressor	-	Inverter rotary unit							

Refrigeration characteristics									
Diameter of pipes (Liq / Gas)	inches	3/8" / 5/8"			3/8" / 3/4"				
Initial refrigerant charge	kg/TeqCO ₂	1.40 / 0.95	1.45 / 0.98	2.00 / 1.35	2.50 / 1.69	3.00 / 2.03	2.50 / 1.69	3.00 / 2.03	3.40 / 2.30
Pre-charged for	m	5							
Max. pipe length	m	50							
Additional charge	g/m	28							
Max. level difference (outdoor unit above / outdoor unit below)	m	30 / 30							
Refrigerant	-	R32							

Electrical features, outdoor unit										
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz					400V / 3Ph / 50Hz			
Max. current	A	18.1	18.0	22.5	28.2	30.0	11.6			
Recommended fuse size	A	25		40	50		32			
Cable width (EN 60 335-1) ⁽³⁾	mm²	3 x 2.5		3 x 4	3 x 6		5 x 2.5			
Indoor/outdoor connection (shielded)	mm²	4 x 1.5								

⁽¹⁾ Data includes defrosting.

⁽²⁾ Sound pressure measurements were made 1.4 meters from the unit without obstructions (see the technical catalogue).

⁽³⁾ Data shown is for indication purpose only. It is the installer's responsibility to ensure that these cable widths meet the needs of the facility and current standards.

Compatible controls and accessories



Wired programmable remote control
HCWA21NEHH
Included



Infrared remote control
HRBA31NEGH



H-Link interface
HCAA01NEWI



Group Adapter
HDBA21NEWH

Discover Primary

