

Primary R32

Best value for money



Adjust the temperature

On the cassette model, you can set the right temperature via a wired remote control. This function compensates for air stratification, ensuring comfort throughout rooms of any size. (Fig. 1)

Guaranteed efficiency

The performance of our Primary cassette unit range is guaranteed in Heating mode down to an outside temperature of -15°C. DC Inverter technology precisely adjusts the heating required, and ensures the comfort and durability of the system.

NEW **Versatile**

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

Receiver for the infrared remote control

Located on the fascia to receive the signal of the remote control (Fig. 2)

Fresh air inlet

There is a fresh air inlet to improve indoor air quality.

Designed for comfort or technical applications

The unit has free contacts as standard to issue error reports or remotely stop/start the system. Ideal for installation in a technical room.

Fig. 1

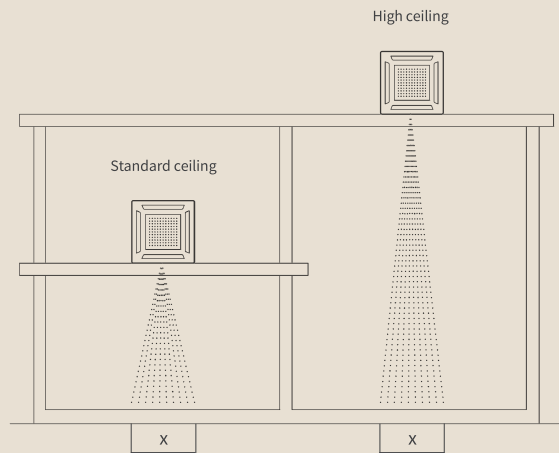
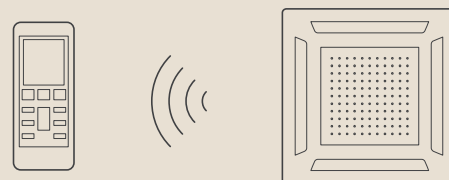
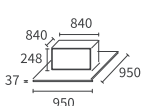


Fig. 2

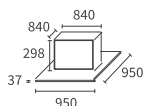


Indoor units

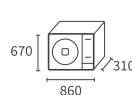
Outdoor units



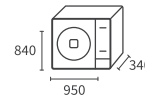
RCI-3.0UFE1NH
RCI-3.5UFE1NH
RCI-4.0UFE1NH



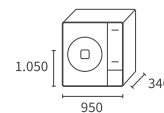
RCI-5.0UFE1NH
RCI-6.0UFE1NH
RCI-6.5UFE1NH



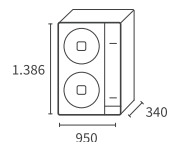
RAS-3.0UFESNH1
RAS-3.5UFESNH1



RAS-4.0UFESNH1



RAS-5.0UFESNH1
RAS-5.0UFESMH1



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

Performance, cooling	Unit	7.0 kW	8.7 kW	10.1 kW	12.7 kW	14.0 kW	12.1 kW	13.9 kW	16.9 kW
		3 Hp	3.5 Hp	4 Hp	5 Hp	6 Hp	5 Hp	6 Hp	6.5 Hp
Nominal cooling capacity (min-max)	kW	7.00 (2.45 - 7.85)	8.70 (4.00 - 9.50)	10.10 (3.50 - 11.00)	12.70 (3.30 - 13.20)	14.00 (3.40 - 16.20)	12.10 (3.30 - 13.20)	13.89 (3.40 - 16.20)	16.90 (3.30 - 18.00)
UK total cooling (UK sensible)	kW	7.56 (4.23)	9.40 (5.26)	10.91 (6.11)	13.72 (7.68)	15.12 (9.23)	13.07 (7.32)	15.02 (9.35)	18.26 (10.22)
Rated power input Cooling	kW	1.91	2.71	3.71	4.31	5.00	4.25	4.81	6.73
EER	-	3.66	3.21	2.72	2.95	2.80	2.85	2.89	2.51
Energy class Cooling	-	-	A++	-	-	-	-	-	-
SEER (average climate)	-	6.73	6.10	6.10	5.90	5.70	6.05	5.64	5.60
Annual power consumption	kWh/year	388	511	580	705	859	757	894	883
Working range in Cooling	°C	-15°C / +48°C							

Performance, heating									
Nominal heating capacity (min-max)	kW	8.25 (2.20 - 8.70)	9.00 (3.50 - 9.40)	11.20 (3.50 - 11.00)	13.30 (3.00 - 14.60)	15.80 (3.70 - 18.00)	13.50 (3.00 - 14.60)	16.53 (3.70 - 18.00)	19.49 (3.00 - 21.00)
Heating capacity at -7°C ⁽¹⁾	kW	4.50	5.55	6.50	8.70	10.50	8.70	10.50	11.90
Rated power input Heating	kW	2.03	2.25	3.50	3.86	4.95	3.86	4.95	6.74
COP	-	4.07	4.00	3.20	3.45	3.19	3.65	3.51	2.89
Energy class Heating	-	-	A+	A	-	-	-	-	-
SCOP (average climate)	-	4.33	4.20	3.92	3.80	3.75	3.98	3.81	3.87
Annual power consumption	kWh/year	1907	2423	3018	3305	4765	3675	5086	4037
Working range in Heating	°C	-15°C / +24°C							

Indoor units	Unit	R32-3.0UFE1NH	R32-3.5UFE1NH	R32-4.0UFE1NH	R32-5.0UFE1NH	R32-6.0UFE1NH	R32-5.0UFE1NH	R32-6.0UFE1NH	R32-6.5UFE1NH
		Sound pressure in Cooling mode (L / M / H) ⁽²⁾	dB(A)	37 / 42 / 45	42 / 46 / 48	42 / 45 / 50	47 / 49 / 51	42 / 45 / 51	47 / 49 / 51
Sound power in Cooling mode	dB(A)	59	62	65	64	65	64	65	68
Airflow in Cooling mode (L / M / H)	m ³ /h	720 / 980 / 1180	900 / 1120 / 1400	1000 / 1300 / 1600	1550 / 1700 / 1850	1400 / 1700 / 2100	1550 / 1700 / 1850	1400 / 1700 / 2100	
Dehumidification	l/h	-							
Dimensions (H x L x D)	mm	248 x 840 x 840			298 x 840 x 840				
Fascia panel dimensions (H x L x D)	mm	37 x 950 x 950							
Net weight	kg	25	27				32		
Condensate pump	-	Included							
Condensate outlet diameter (ext)	mm	32							
Air filter	-	included							
Part number of the fascia panel	-	PHKF160SAH1							
Remote control	-	Infrared included (HRBA31NEGH)							


Outdoor units	Unit	R32-3.0UFESNH1	R32-3.5UFESNH1	R32-4.0UFESNH1	R32-5.0UFESNH1	R32-6.0UFESNH1	R32-5.0UFESMH1	R32-6.0UFESMH1	R32-6.5UFESMH1
		Sound pressure in Cooling mode ⁽²⁾	dB(A)	54	58	62	62	62	62
Sound power in Cooling mode	dB(A)	69	70	76	76	76	76	76	80
Airflow (cooling)	m ³ /h	3150	3800	5800	6300	5800	6300	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	1386 x 950 x 340	
Net weight	kg	49.0	70.0	85.0	101.5	85.0	101.5	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/TeqCO2	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									
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	12.1	13.1
Recommended fuse size	A	20		32	32		16		
Cable width (EN 60 335-1) ⁽³⁾	mm ²	2 x 2.50 + E		2 x 4.00 + E	2 x 6.00 + E		4 x 2.50 + E		
Indoor/outdoor connection (shielded)	mm ²	3 x 1.50 + E							

⁽¹⁾ Data includes defrosting.
⁽²⁾ Sound pressure measurements were made 1.4m below the unit with no obstructions.
⁽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

 **Infrared remote control**
HRBA31NEGH
Included

 **H-Link interface**
HCAA01NEWI

 **Adapter**
HDBA21NEWH

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