

# 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

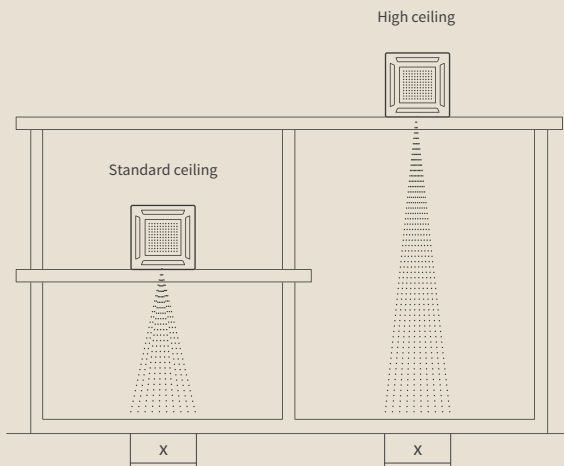
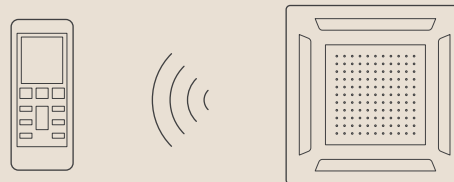
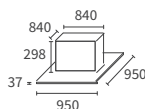
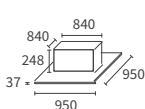


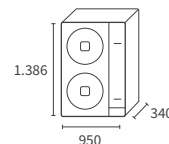
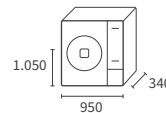
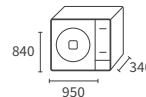
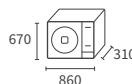
Fig. 2



### 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

## Primary R32

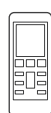
Performance, cooling	Unit	7.0 kW	8.7 kW	10.1 kW	12.7 kW	14.0 kW	12.1 kW	13.9 kW	16.9 kW	
		3 Hp	3.5 Hp	4 Hp	5 Hp	6 Hp	5 Hp	6 Hp	6.5 Hp	
Nominal cooling capacity (min-max)	kW	7.00 (2.45 - 7.85)	8.70 (4.00 - 9.50)	10.10 (3.50 - 11.00)	12.70 (3.30 - 13.20)	14.00 (3.40 - 16.20)	12.10 (3.30 - 13.20)	13.89 (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								
<b>Performance, heating</b>										
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 <sup>(1)</sup>	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								
<b>Indoor units</b>										
		<b>RCI-3.0UFE1NH</b>	<b>RCI-3.5UFE1NH</b>	<b>RCI-4.0UFE1NH</b>	<b>RCI-5.0UFE1NH</b>	<b>RCI-6.0UFE1NH</b>	<b>RCI-5.0UFE1NH</b>	<b>RCI-6.0UFE1NH</b>	<b>RCI-6.5UFE1NH</b>	
Sound pressure in Cooling mode (L / M / H) <sup>(2)</sup>	dB(A)	37 / 42 / 45	42 / 46 / 48	42 / 45 / 50	47 / 49 / 51	42 / 45 / 51	47 / 49 / 51	42 / 45 / 51	42 / 45 / 52	
Sound power in Cooling mode	dB(A)	59	62	65	64	65	64	65	68	
Airflow in Cooling mode (L / M / H)	m <sup>3</sup> /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)								
<b>Outdoor units</b>										
		<b>RAS-3.0UFESNH1</b>	<b>RAS-3.5UFESNH1</b>	<b>RAS-4.0UFESNH1</b>	<b>RAS-5.0UFESNH1</b>	<b>RAS-6.0UFESNH1</b>	<b>RAS-5.0UFESMH1</b>	<b>RAS-6.0UFESMH1</b>	<b>RAS-6.5UFESMH1</b>	
Sound pressure in Cooling mode <sup>(2)</sup>	dB(A)	54		58	62			67		
Sound power in Cooling mode	dB(A)	69	70		76			80		
Airflow (cooling)	m <sup>3</sup> /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								
<b>Refrigeration characteristics</b>										
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								
<b>Electrical features</b>										
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) <sup>(3)</sup>	mm <sup>2</sup>	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 <sup>2</sup>	3 x 1.50 + E								

<sup>(1)</sup> Data includes defrosting.<sup>(2)</sup> Sound pressure measurements were made 1.4m below the unit with no obstructions.<sup>(3)</sup> 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

Discover Primary

