

Primary R32 (Ceiling unit / Console)

Best value for money



Versatile: unit can be floor or ceiling-mounted

The Primary Hitachi console can be either floor or ceiling-mounted, allowing the user to choose the most suitable location in the room for the best thermal comfort. (Fig. 1)

NEW Versatile

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

Guaranteed efficiency

The performance of our Primary ceiling unit range is guaranteed in Heating mode down to an outside temperature of -15°C. DC Inverter technology precisely adjusts the power needed to condition a space, and ensures the comfort and durability of the system.

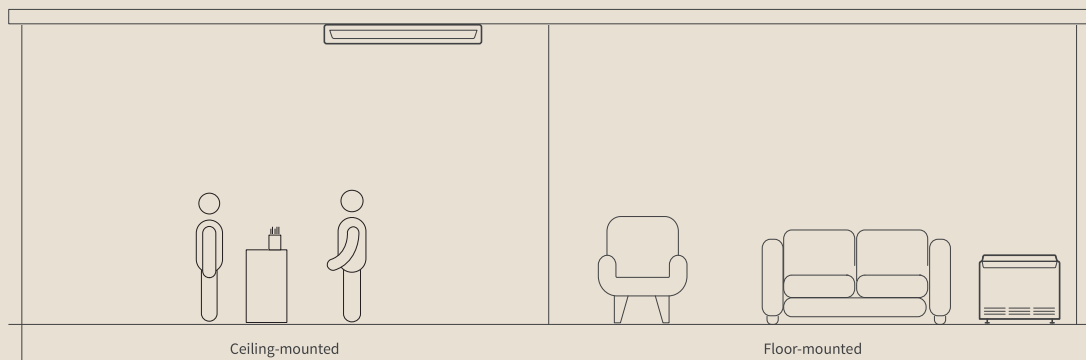
Designed for comfort or technical applications

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

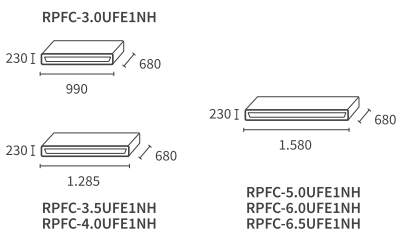
Fresh air inlet

The optional fresh air inlet improves indoor air quality.

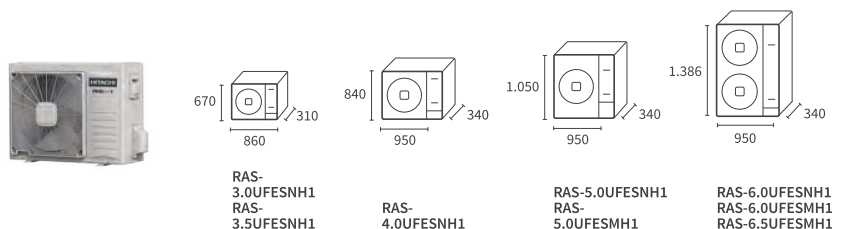
Fig. 1



Indoor units



Outdoor units



Performance, cooling	Unit	6.5kW	8.6kW	9.8kW	12.7kW	14.0kW	12.1kW	13.8kW	16.3kW	
		3 Hp	3.5 Hp	4 Hp	5 Hp	6 Hp	5 Hp	6 Hp	6.5 Hp	
Nominal cooling capacity (min-max)	kW	6.50 (2.45 - 7.85)	8.60 (3.50 - 9.00)	9.80 (3.50 - 11.00)	12.70 (3.30 - 13.20)	14.00 (3.10 - 16.10)	12.10 (3.30 - 13.20)	13.76 (3.10 - 16.10)	16.30 (3.30 - 18.00)	
UK total cooling (UK sensible)	kW	7.02 (3.93)	9.29 (5.20)	10.59 (5.93)	13.72 (7.68)	15.12 (9.23)	13.07 (7.32)	14.87 (9.07)	17.61 (9.86)	
Rated power input Cooling	kW	1.94	2.95	3.75	4.53	5.15	4.40	5.00	6.82	
EER	-	3.35	2.92	2.61	2.80	2.72	2.75	-	2.39	
Energy class Cooling	-	A+	A++	A+	-	-	-	-	-	
SEER (average climate)	-	5.81	6.10	5.87	5.93	5.45	5.70	5.33	5.30	
Annual power consumption	kWh/year	391	509	585	709	899	803	940	876	
Working range in Cooling	°C	-15°C / +48°C								
Performance, heating										
Nominal heating capacity (min-max)	kW	7.35 (2.20 - 8.70)	8.70 (3.50 - 9.50)	10.50 (3.32 - 12.00)	13.30 (3.00 - 14.60)	16.50 (3.60 - 18.00)	13.50 (3.00 - 14.60)	16.59 (3.60 - 18.00)	18.00 (3.00 - 19.00)	
Heating capacity at -7°C ⁽¹⁾	kW	4	5.6	6.5	8.4	10	8.4	10	11.1	
Rated power input Heating	kW	2.07	2.30	3.65	4.04	5.40	4.17	4.85	6.82	
COP	-	3.55	3.78	2.88	3.29	3.06	3.24	3.42	2.64	
Energy class Heating	-	A+		A		-				
SCOP (average climate)	-	4.01	4.10	3.82	3.78	3.68	3.78	3.55	3.78	
Annual power consumption	kWh/year	2168	2192	2825	3133	4887	3868	5015	4509	
Working range in Heating	°C	-15°C / +24°C								
Indoor units										
		RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH	
Sound pressure in Cooling mode (L / M / H) ⁽²⁾	dB(A)	44 / 48 / 51	43 / 48 / 54	51 / 52 / 54	48 / 51 / 54	46 / 52 / 58	48 / 51 / 54	46 / 52 / 58	48 / 53 / 56	
Sound power in Cooling mode	dB(A)	65	65	65	68	75	68	75	74	
Airflow in Cooling mode (L / M / H)	m ³ /h	800 / 950 / 1100	900 / 1120 / 1450	1300 / 1500 / 1700	1600 / 1800 / 2000	1200 / 1600 / 2000	1600 / 1800 / 2000	1200 / 1600 / 2000	1500 / 1700 / 2000	
Dehumidification	l/h	1.95	3.20	4.40	5.30	6.00	5.30	6.00	6.40	
Dimensions (H x L x D)	mm	230 x 990 x 680	230 x 1285 x 680		230 x 1580 x 680					
Net weight	kg	30	37		48					
Condensate pump, optional	-	P26(E)-2				P26(E)-3				
Condensate outlet diameter (ext.)	mm	-				25				
Air filter	-	included								
Remote control	-	Infrared included (HRBA31NEGH)								
Outdoor units										
		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 ⁽²⁾	dB(A)	54		58		62		67		
Sound power in Cooling mode	dB(A)	69		70		76		80		
Airflow (cooling)	m ³ /h	3150		3800		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		
Net weight	kg	49.0		70.0		85.0		101.5		
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										
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	12.6	13.6	
Recommended fuse size	A	20		32		32		16		
Cable width (EN 60 335-1) ⁽³⁾	mm ²	2 x 2.5 + E		2 x 4 + E		2 x 6 + E		4 x 2.5 + E		
Indoor/outdoor connection (shielded)	mm ²	3 x 1.5 + E								

⁽¹⁾ Data includes defrosting.

⁽²⁾ Sound pressure measurements were made 1.0m 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



Condensate drainage pump
P26(E)-2 (3; 3.5; 4Hp) / P26(E)-3 (5; 6; 6.5Hp)



H-Link interface
HCAA01NEWI



Infrared remote control
HRBA31NEGH
Included



Adapter
HDBA21NEWH

Discover Primary

