

Primary R32 (Floor-Ceiling)

R32 ecofriendly option for your commercial applications



Flexible positioning

The unit can be installed on the floor or on the ceiling. The Hitachi Primary range console can be installed both on the floor and on the ceiling, allowing the user to choose the most optimal room location for maximum comfort. (Fig. 1)

Efficiency guaranteed

The Primary ceiling range performances are guaranteed in cooling and heating until an outside temperature of -15°C. The DC Inverter technology precisely adjusts the capacity required to heat commercial premises and ensures the installation's comfort and durability.

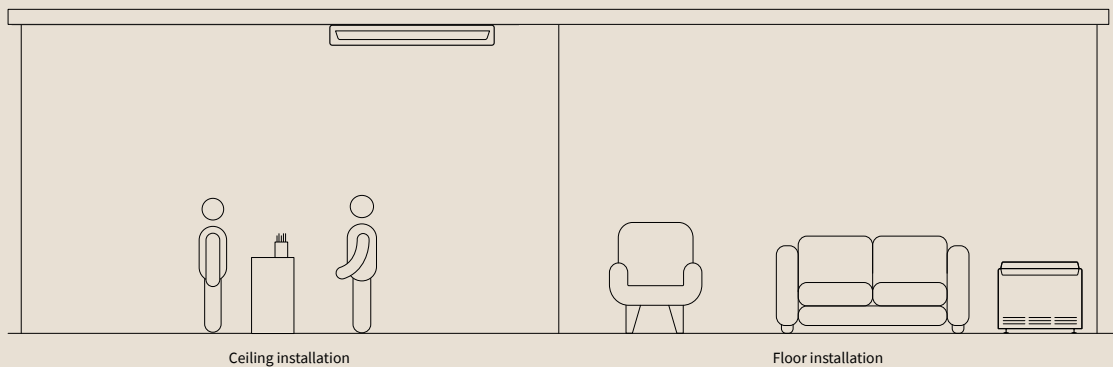
Compatible with technical room applications

The unit is fitted as standard with free inputs / outputs for a fault report or for remote start/stop control. Ideal for installation in a service room.

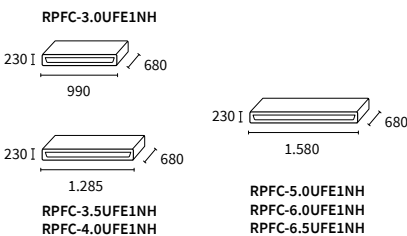
New air intake

New air intake improves air quality indoors.

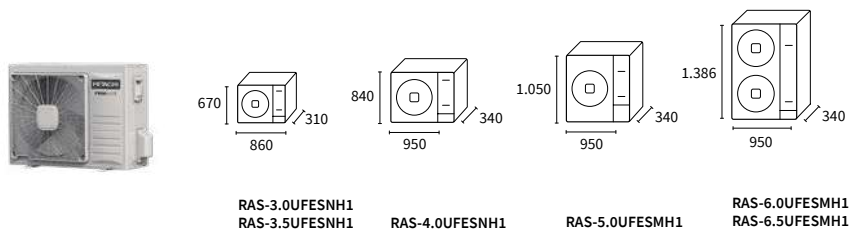
Fig. 1



Indoor units



Outdoor units





Primary R32 (Floor-Ceiling)

Cooling performances	Unit	7.00KW	8.70KW	10.10KW	12.10KW	13.89KW	16.90KW		
		3 HP	3.5 HP	4 HP	5 HP	6 HP	6.5 HP		
Capacity Cooling (min-max)	kW	6.5 (2.45 - 7.85)	8.70 (4.00 - 9.20)	10.10 (3.50 - 11.00)	12.10 (3.30 - 13.20)	13.89 (3.40 - 16.20)	16.9 (3.30 - 18.00)		
Absorbed power Cooling (min-max)	kW	1.94	2.71	3.8	4.24	4.81	6.72		
EER		3.35	3.21	2.72	2.85	2.89	2.51		
Energy class Cooling		A++	A++	A++					
SEER (medium climate)/ηs,c		5.81	6.20	6.10	6.28/248%	5.64/223%	5.60/221.0%		
Annual energy consumption	kWh/year	391.00	499.00	580.00	761.00	894.00	883.00		
Guaranteed performances Cooling									
Heating performances		-15°C/+48°C	-15°C/+48°C	-15°C/+48°C	-15°C/+48°C	-15°C/+48°C	-15°C/+48°C		
Capacity Heating (min-max)	kW	7.35 (2.20 - 8.70)	9.00 (3.50 - 9.50)	11.2 (3.32 - 12.00)	13.50 (3.00 - 14.60)	16.53 (3.70 - 18.00)	19.49 (3.00 - 21.00)		
Capacity at full charge at -7°C	kW	4,80	5,80	6,30	10,10	10,50	12		
Absorbed power Heating (min-max)	kW	2.07	2.25	3.5	3.7	4.65	6.1		
COP		3.55	4	3	3.65	3.47	2.95		
Energy class Heating		A+	A+	A					
SCOP (medium climate)/ηs,h		4.33	4.20	3.92	3.98/156%	3.81/149.4%	3.87/152.2%		
Pdesignh	kW	6.00	6.50	8.20	9.50	13.50	13.50		
Annual energy consumption	kWh/year	2168.00	2423.00	2926.00	3674.00	5086.00	4037.00		
Guaranteed performances Heating	°C	-15°C/+24°C	-15°C/+24°C	-15°C/+24°C	-15°C/+24°C	-15°C/+24°C	-15°C/+24°C		
Indoor Units									
		RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH		
Sound pressure Cooling (Low - Medium - High)	dB(A)	44/48/51	43/48/54	51/52/54	48/51/54	46/52/58	48/53/56		
Sound pressure Cooling	dB(A)	65	65	65	68	75	74		
Air flow Cooling (Low - Medium - High)	m³/h	800/950/1100	900/1120/1450	1300/1500/1700	1600/1800/2000	1200/1600/2000	1500/1700/2000		
Dimensions (H x W x D)	mm	230x990x680	230x1285x680	230x1285x680	230x1580x680	230x1580x680	230x1580x680		
Case weight	kg	30.0	37.0	37.0	48.0	48.0	48.0		
Condensate pump		Optional	Optional	Optional	Optional	Optional	Optional		
Condensate pipe diameter (out)	mm	32	32	32	32	32	32		
Air filter		included	included	included	included	included	included		
Electrical power	V/Ph/Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz		
Remote control	Standard	Infrared included (HRBA31NEGH)	Infrared included (HRBA31NEGH)	Infrared included (HRBA31NEGH)	Infrared included (HRBA31NEGH)	Infrared included (HRBA31NEGH)	Infrared included (HRBA31NEGH)		
Outdoor units									
		RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1		
Sound Pressure Cooling	dB(A)	54	54	58	62	62	67		
Sound pressure Cooling	dB(A)	69	70	70	76	76	80		
Air flow (Cooling)	m³/h	3150	3150	3800	5800	6300	6300		
Dimensions (H x W x D)	mm	670x860x310	670x860x310	840 x 950 x 340	1050x950x340	1386x950x340	1386x950x340		
Weight	kg	49.0	49.0	70.0	85.0	101.5	109.0		
Refrigeration specifications									
Pipe diameter (Liq/gas)	inch	3/8"/5/8"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	3/8"/3/4"	3/8"/3/4"		
Initial refrigerant charge	kg/ TeqCO2	1.4/0.95	1.45/0.98	2.00/1.35	2.50/1.69	2.50/1.69	2.50/1.69		
Pre-charged for	m	5	5	5	5	5	5		
Max pipe length	m	30	50	50	50	50	50		
Additional refrigerant	g/m	28	28	28	28	28	28		
Maximum height difference (highest OU/lowest OU)	m	15/15	30/30	30/30	30/30	30/30	30/30		
Refrigerant		R32	R32	R32	R32	R32	R32		
OU Electrical specifications									
Electrical power	V/Ph/Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	400V/3Ph/50Hz	400V/3Ph/50Hz	400V/3Ph/50Hz		
Maximum current	A	18.1	18	22.5	11.6	11.6	11.6		
Cable diameter (EN 60 335-1)	mm²	3 x 2.5	3 x 2.5	3 x 4	3 x 4	3 x 4	3 x 4		
Indoor/outdoor wiring section (shielded)	mm²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5		
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary		
Single zone wired control									
	Ref.	X-RPFC-3.0UNE1NH	X-RPFC-3.5UNE1NH	X-RPFC-4.0UNE1NH	X-RPFC-5.0UNE1NH	X-RPFC-6.0UNE1NH	X-RPFC-5.0UNE1NH	X-RPFC-6.0UNE1NH	X-RPFC-6.5UNE1NH
Public Price 2019 for the kit	(pre-tax)								
Kit									
Kit	(pre-tax)								
Single zone infrared control									
	Ref.	X-RPFC-3.0UNE1NH	X-RPFC-3.5UNE1NH	X-RPFC-4.0UNE1NH	X-RPFC-5.0UNE1NH	X-RPFC-6.0UNE1NH	X-RPFC-5.0UNE1NH	X-RPFC-6.0UNE1NH	X-RPFC-6.5UNE1NH
Kit price	(pre-tax)								
Kit									
Kit	(pre-tax)								

The kit includes: the cassette and its panel, the infrared remote control with receiver, the outdoor unit.

Compatible controls and accessories

 **Wired control**
HCWA21NEWH
Option

 **Condensate removal pump**
P26(E)-1/P26(E)-2/P26(E)-3
Option

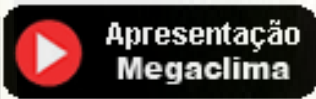
Discover Primary



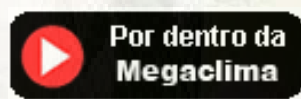


30 Anos na climatização e tratamento de ar

video 2"



video 7"



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