



# 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.

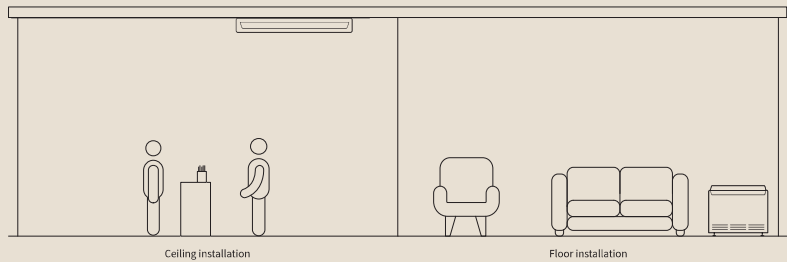
### Compatible with technical room applications

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

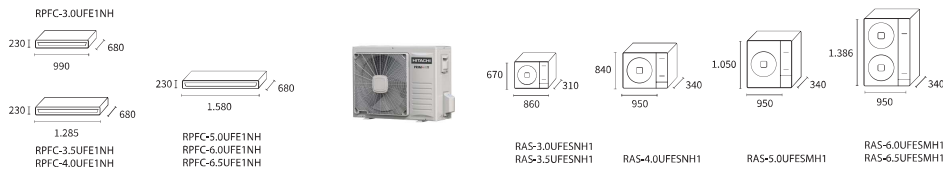
New air intake improves air quality indoors.

Fig. 1



**Indoor units**

**Outdoor units**



# Primary R32 (Floor-Ceiling)

		7.00KW	8.70KW	10.10KW	12.10KW	13.89KW	16.90KW
<b>Cooling performances</b>		<b>3 HP</b>	<b>3.5 HP</b>	<b>4 HP</b>	<b>5 HP</b>	<b>6 HP</b>	<b>6.5 HP</b>
Capacity Cooling (min-max)	kW	6.5 (2.45 - 7.85)	8.70 (4.00 - 9.20)	10.10 (3.50 - 11.20)	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)/ns,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
<b>Guaranteed performances Cooling</b>							
<b>Heating performances</b>		-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 (3.00 - 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)/ns,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

<b>Indoor Units</b>		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 (HRBA31NEGHI)	Infrared included (HRBA31NEGHI)	Infrared included (HRBA31NEGHI)	Infrared included (HRBA31NEGHI)	Infrared included (HRBA31NEGHI)	Infrared included (HRBA31NEGHI)

<b>Outdoor units</b>		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

<b>Refrigeration specifications</b>							
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

<b>OU Electrical specifications</b>							
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

<b>Single zone wired control</b>		Ref.	X-RPFC-3.0UNE1NH	X-RPFC-3.5UNE1NH	X-RPFC-4.0UNE1NH	X-RPFC-5.0UNE1NH	X-RPFC-6.0UNE1NH	X-RPFC-6.5UNE1NH
Public Price 2019 for the kit	(pre-tax)							

<b>Kit</b>		(pre-tax)
<b>Single zone infrared control</b>		
Kit price	(pre-tax)	

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

### Compatible controls and accessories

- Wired control: HCWA2NEWH Option
- Condensate removal pump: P26(E)-1/P26(E)-2/P26(E)-3 Option

Discover Primary