



Primary R32

R32 ecofriendly option for your commercial applications

Primary R32



Temperature compensation

On the cassette model, heat compensation is an option via a wired controller. This function can compensate air stratification to ensure a level of comfort in the entire room, regardless of the height of the ceiling. (Fig. 1)

Efficiency guaranteed

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

Wireless controller supplied

Wireless controller supplied, compatible with wired remote. (Fig. 2)

New air intake

New air intake is available, improving air quality indoors.

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.

Fig. 1

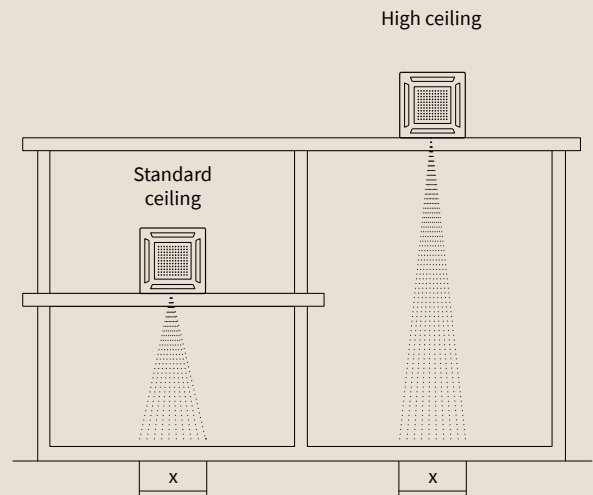
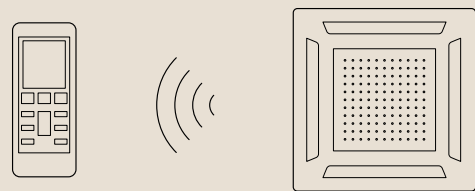
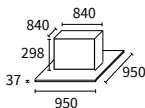
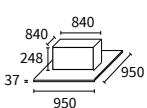


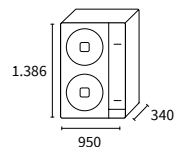
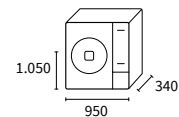
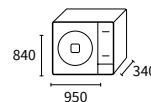
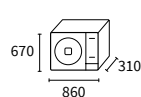
Fig. 2



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-5.0UFESMH1

RAS-6.0UFESMH1
RAS-6.5UFESMH1


Primary R32

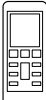
Cassette

Cooling performances	Unit	6.90KW	8.5KW	10.10KW	12.10KW	14.19KW	17.10KW			
		3 HP	3.5 HP	4 HP	5 HP	6 HP	6.5 HP			
Cooling Capacity (min-max)	kW	6.9 (2.45 - 7.85)	8.50 (4.00 - 9.50)	10.10 (1.20 - 5.80)	12.10 (3.30 - 13.20)	14.19 (3.20 - 16.00)	17.10 (3.30 - 18.50)			
Absorbed power in Cooling (min-max)	kW	2.16	2.67	3.8	4.22	4.78	6.6			
EER		3.19	3.18	2.66	2.87	2.97	2.59			
Energy class Cooling		A++	A++	A++						
SEER (medium climate)/ηs,c		6.29	6.20	6.10	6.28/248%	5.94/235%	5.81/229.4%			
Annual energy consumption	kWh/year	395.00	499.00	577.00	761.00	849.00	943.00			
Guaranteed performances Cooling										
Heating performances			-15°C/ +48°C	-15°C/ +48°C	-15°C/ +48°C					
Heating Capacity (min-max)	kW	8.3 (2.20 - 8.70)	9.00 (3.50 - 9.40)	10.50 (3.50 - 11.00)	13.4 (3.00 - 14.60)	13.4 (3.00 - 14.60)	18 (3.00 - 19.50)			
Capacity at full charge at -7°C	kW	4,50	5,55	6,50	8,70	10,50	11,50			
Absorbed power in Heating (min-max)	kW	2.22	2.4	3.5	4.07	4.65	6.1			
COP		3.74	3.75	3	3.29	3.47	2.95			
Energy class Heating		A+	A+	A						
SCOP (medium climate)/ηs,h		4.05	4.00	3.92	3.7/145%	3.7/145%	3.72/146%			
Pdesignh	kW	6.00	6.50	8.20	9.50	12.40	12.40			
Annual energy consumption	kWh/year	2007.00	2313.00	2926.00	3674.00	4694.00	4205.00			
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		RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH			
Sound pressure Cooling (Low - Medium - High)	dB(A)	37/42/45	42/46/48	42/45/50	47/49/51	42/45/51	43/45/48			
Sound power Cooling	dB(A)	59	62	65	64	65	68			
Air flow Cooling (Low - Medium - High)	m³/h	720/980/1180	900/1120/1400	1000/1300//1600	1550/1700/1850	1400/1700/2100	1400/1700/2100			
Dimensions (H x W x D)	mm	248x840x840	248x840x840	248x840x840	298x840x840	298x840x840	298x840x840			
Panel Dimensions (H x W x D):	mm	37x950x950	37x950x950	37x950x950	37x950x950	37x950x950	37x950x950			
Case weight	kg	25.0	27.0	27.0	32.0	32.0	32.0			
Condensate pump		Included								
Condensate pipe diameter (out)	mm	32								
Air filter		Included								
Electrical power	V/Ph/Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz			
Panel Reference		PHKF160SAH1	PHKF160SAH1	PHKF160SAH1	PHKF160SAH1	PHKF160SAH1	PHKF160SAH1			
Controller		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 power 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 Inverter		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary			
Single zone wired control		Ref.	X-RCI-3.0UNE1NH	X-RCI-3.5UNE1NH	X-RCI-4.0UNE1NH	X-RCI-5.0UNE1NH	X-RCI-6.0UNE1NH	X-RCI-5.0UNE1NH	X-RCI-6.0UNE1NH	X-RCI-6.5UNE1NH
Kit price	(pre-tax)									
Environmental contribution										
Kit	(pre-tax)									
Single zone infrared control		Ref.	X-RCI-3.0UNE1NH	X-RCI-3.5UNE1NH	X-RCI-4.0UNE1NH	X-RCI-5.0UNE1NH	X-RCI-6.0UNE1NH	X-RCI-5.0UNE1NH	X-RCI-6.0UNE1NH	X-RCI-6.5UNE1NH
Kit price	(pre-tax)									

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

Compatible controls and accessories (see DRV Controls tab)

 Weekly wired controller
HCWA21NEWH

 Infrared controller
HRBA31NEGH

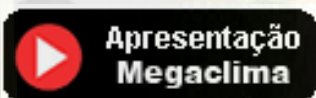
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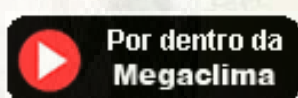


30 Anos na climatização e tratamento de ar

video 2"



video 7"



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