

## 1 Specifications

Model name			KHC-22RX3	KHC-30RX3
Power supply		V/Ph/Hz	380-415/3/50	
Heating(A7W35)	Capacity	W	22000	30100
	Rated input	W	5000	7698
	COP		4.40	3.91
Heating(A7W45)	Capacity	W	22000	30000
	Rated input	W	6471	10345
	COP		3.40	2.90
Heating(A7W55)	Capacity	W	22000	30000
	Rated input	W	8302	13043
	COP		2.65	2.30
Heating(A-7W35)	Capacity	W	21000	23000
	Rated input	W	8077	9388
	COP		2.60	2.45
Cooling(A35W18)	Capacity	W	23000	31000
	Rated input	W	5000	7750
	EER		4.60	4.00
Cooling(A35W7)	Capacity	W	21000	29500
	Rated input	W	7119	11569
	EER		2.95	2.55
Seasonal space heating energy efficiency class	Water outlet at 35°C / 55°C	class	A+++ / A++	A++ / A+
SCOP	Warmer climate	35°C	5.93	5.40
		55°C	4.10	4.15
	Average climate	35°C	4.53	4.20
		55°C	3.23	3.15
	Colder climate	35°C	3.73	3.53
		55°C	2.63	2.58
SEER	Water outlet at 7°C / 18°C		4.70 / 5.67	4.49 / 5.71
Compressor		Type	Twin rotary DC inverter	
Outdoor fan motor		Type	Brushless DC motor	
Water side heat exchanger			Plate type	
Water pump	Max. pump head	m	12	12
Refrigerant (R32)	Charged volume	kg	5.0	
Throttle type			Electronic expansion valve	
Sound power level <sup>2</sup>		dB	73	77
Rated water flow		m <sup>3</sup> /h	3.78	5.18
Internal water volume		L	3.5	3.5
Unit dimension / Packing dimension (W×H×D)		mm	1129×1558×528 / 1220×1735×565	
Net / Gross weight		kg	177 / 206	
Water piping connections Dia.		inch	1-1/4" BSP	1-1/4" BSP
Ambient temperature range	Cooling	°C	-5-46	
	Heating	°C	-25-35	
	DHW	°C	-25-43	

Water setting temperature range	Cooling	°C	5-25
	Heating	°C	25-60
	DHW <sup>3</sup>	°C	30-60

Notes:

1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.
2. Test standard: EN12102-1
3. Maximum domestic hot water temperature 60°C is only available with TBH support.

## 2 Electrical characteristics

System	Outdoor unit				Power current			Compressor		Fan	
	Voltage (V)	Hz	Min. (V)	Max. (V)	MCA (A)	TOCA (A)	MFA (A)	MSC (A)	RLA (A)	kW	FLA (A)
KHC-22RX3	380~415	50	342	456	24.5	28	25	-	14	0.34	3
KHC-30RX3	380~415	50	342	456	28.5	28	32	-	21	0.34	3

Note:

MCA: Min. Circuit Amps. (A)

TOCA: Total Over-current Amps. (A)

MFA: Max. Fuse Amps. (A)

MSC: Max. Starting Amps. (A)

RLA: Rated Load Amps. (A)

The input Amps of compressor where MAX. Hz can operate for nominal cooling or heating test condition

kW: Rated Motor Output

FLA: Full Load Amps. (A)

## 3 Dimensions and Center of Gravity

Figure 2-2.1: KHC-22RX3, KHC-30RX3 dimensions and center of gravity (unit: mm)

