

Air-to-Water
Monobloc System

12
YEAR
WARRANTY
COMPRESSOR

12
YEAR
WARRANTY
ALL PARTS



KINGHOME MONOBLOC



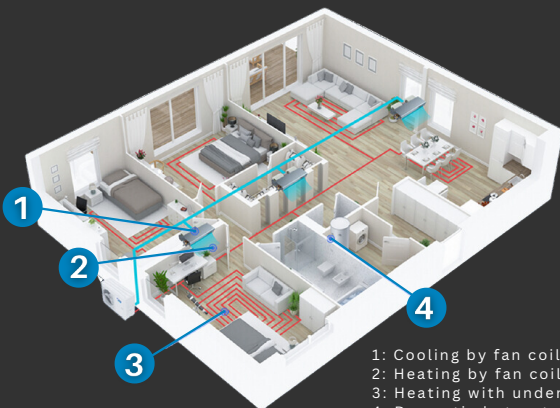
UP TO
11.8 EER
4.4 COP

COOLING RANGE

-15°C - 48°C

HEATING RANGE

-25°C - 35°C



- 1: Cooling by fan coil units
- 2: Heating by fan coil units and radiators
- 3: Heating with underfloor coils
- 4: Domestic hot water

This system integrates the capabilities of **air conditioning**, **floor heating**, and **hot water supply**. It offers distinct operational modes: Cooling, heating, and hot water provision*.

*The hot water tank is not included as a standard component and must be acquired separately by the user if needed.

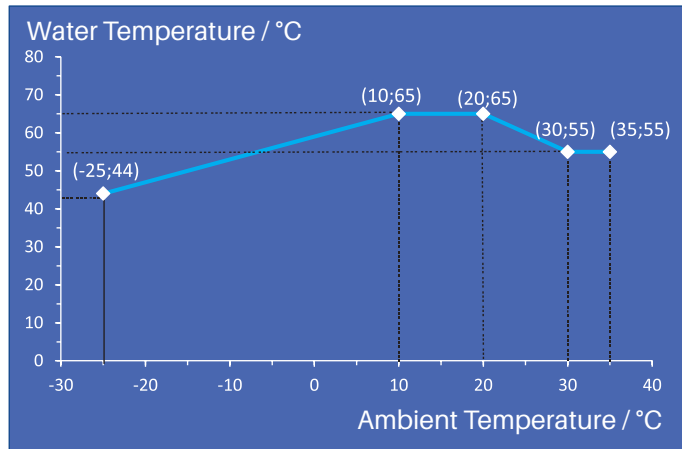


Kinghome Monobloc condensing unit



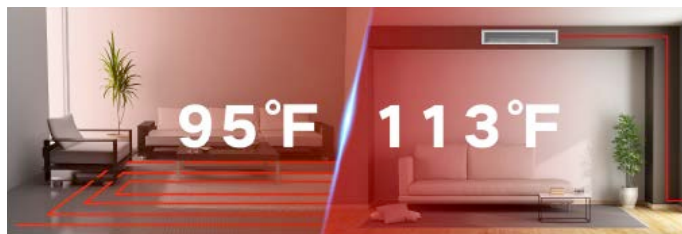
Wired controller

AMBIENT TEMPERATURE AND UPPER LIMIT OF OUTGOING WATER TEMPERATURE



Note: Ambient and water temperatures must be appropriate for the actual application.

MULTIPLE TEMPERATURE CONTROL METHOD

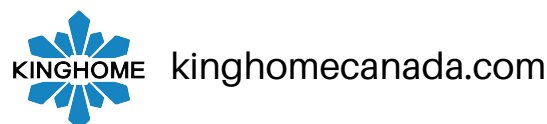


Control water temperatures according to different terminals

MODULAR COMBINATION OF 4 UNITS

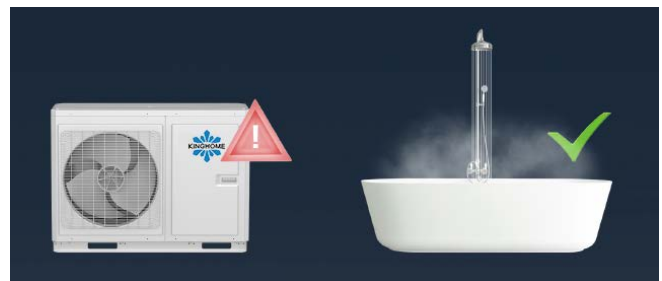


The system can intelligently control the units on/off and the operating frequency according to the load of terminals, to achieve the optimal energy-saving effect while satisfying the needs of users.



KINGHOME Monobloc			
Condensing Unit:		KRSCQ16HGD	
Power Supply	V/Hz/Ph	208-230 / 60 / 1	
SYSTEM PERFORMANCE			
Capacity	Cooling	BTU/hr	45726 (17915 - 47773)
	Heating	BTU/hr	54598 (23204 - 64835)
EER		BTU/W+hr	Up to 11.8
COP		W/W	Up to 4.4
CONDENSING UNIT SPECIFICATIONS			
Ambient Temperature	Cooling	C° (F°)	-15 to 48 °C (5 to 118 °F)
	Heating	C° (F°)	-25 to 35 °C (-13 to 95 °F)
Sound Power Level		dB(A)	60
Rated Input Current : Compressor		A	28
Rated Input Current : Fan		A	1.7
Rated Input Current : Pump		A	0.9
Fan Power Input		W	150
Fan Rotation Speed		RPM	100 to 900
Maximum Overcurrent Protection (MOP)		A	60
Minimum Circuit Ampacity (MCA)		A	37
Maximum Allowable Pressure		MPa (PSIG)	4.8 (696)
Water Connection (BSPP)		po	1
Water Volume		LPM (GPM)	34.4 (9.1)
Dimensions	Width	mm (in)	1206 (47-1/2)
	Height	mm (in)	878 (34-9/16)
	Depth	mm (in)	444 (17-1/2)
Weight	Net	kg (lb)	148.8 (328)
	Gross	kg (lb)	161.9 (357)
ELECTRIC HEATING			
Rated Input Current		A	25
Rated Input Power		W	5800
Maximum Overcurrent Protection (MOP)		A	35
Minimum Circuit Ampacity (MCA)		A	32
REFRIGERATION SYSTEM			
Refrigerant Type / Charge		kg (oz)	R32 / 2.2 (77.6)
LIMITED WARRANTY	12 years residential, 7 years commercial compressor and parts warranty on registered models		

EMERGENCY MODE



If the heat pump encounters irreparable errors, it will switch to emergency mode, using auxiliary and backup heating to maintain user comfort.

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