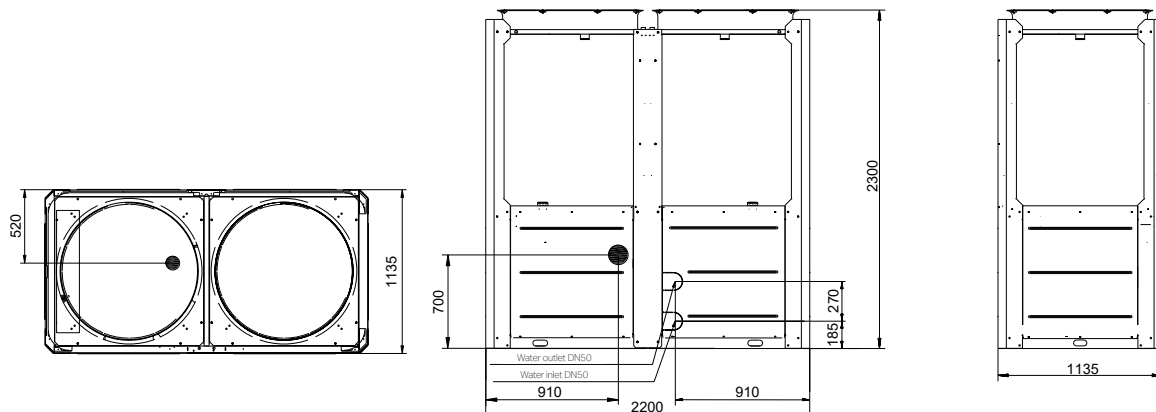


Series



	KCHP-SU65-RN8L	KCHP-SU110-RN8L
Reversible heat pump	Yes	Yes
Key features		
Heating (kW)	Up to 65 kW	Up to 112 kW
Cooling (kW)	Up to 76 kW	Up to 128 kW
	A+++	A++
Compressor	Inverter	Inverter
Circulation pump	Variable speed	Variable speed
Domestic hot water up to 62°C	With 70°C tank heater	With 70°C tank heater
Evaporator	Plate	Plate
Condenser	Cu/Al with hydrophilic coating and a jacket to increase corrosion resistance	Cu/Al with hydrophilic coating and a jacket to increase corrosion resistance
Sound level		
Standard	Yes	Yes
Silent	Yes	Yes
Super silent	Yes	Yes
Night-time	Yes	Yes
EVI system	Yes	Yes
Refrigerant R32	Yes	Yes
Compressor	Rotary	Rotary
Cascade mode	Yes (up to 16 units)	Yes (up to 16 units)

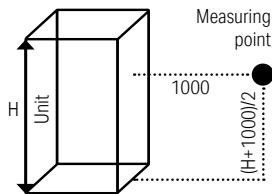
KCHP-SU110-RN8L dimensions



Technical specification

Model			KCHP-SU65-RN8L	KCHP-SU110-RN8L
Power supply		V/Ph/Hz	380~415/3/50	380~415/3/50
Cooling (A35W7)	Performance	kW	57	100
	Input power	kW	19.00	32.78
	EER		3.00	3.05
Cooling (A35W18)	Performance	kW	76	128
	Input power	kW	20.27	33.70
	EER		3.75	3.80
SEER			5.00	4.80
Heating (A7W65)	Performance	kW	60	100
	Input power	kW	26.10	42.90
	COP		2.30	2.33
Heating (A7W55)	Performance	kW	64	106
	Input power	kW	21.33	35.30
	COP		3.00	3.00
Heating (A7W45)	Performance	kW	65	110
	Input power	kW	18.30	29.90
	COP		3.55	3.68
Heating (A7W35)	Performance	kW	64	112
	Input power	kW	15.24	27.00
	COP		4.20	4.15
SCOP (55) temperate climate			3.40	3.25
SCOP (35) temperate climate			4.50	4.25
Fan	Type		DC motor	DC motor
	Number		2	2
	Airflow capacity	m³/h	22 000	32 500
Air-side heat exchanger	Type		Finned coil	Finned coil
	Number of rows		2	2
	Fin thickness	mm	0.095	0.095
	Pipe diameter	mm	7	7
Water-side heat exchanger	Type		plate	plate
	Water pressure drops	kPa	44	39
	Volume	L	5.17	11.1
	Nominal water flow (cooling)	m³/h	9.8	17.2
	Nominal water flow (heating)	m³/h	11.2	18.9
	Range of water flow	m³/h	3~14	5~26
Refrigeration system	Type		R32	R32
	Refrigerant charging	kg	9.0	15.5
	Throttling element		EXV	EXV
	Power supply	V/Ph/Hz	380V ±10% 3P 50/60	380V ±10% 3P 50/60
Water pump (custom)	Nominal power consumption	kW	1.78	3.08
	Nominal current consumption	A	3.25	5.80
	Nominal head	A	27.1	19.0
	Nominal speed	r/mm	3 480	3 110

Expansion vessel (custom)	Volume	L	12	22
	Initial pressure	Mpa	0.15	0.15
	Test pressure	Mpa	1	1
Sound power level ¹ (A7W45)		dB(A)	80	80
Sound pressure level (1m) ² (A7W45)		dB(A)	64	64
Sound power level - muted mode (A7W45)		dB(A)	77	75
Sound power level - super-muted mode (A7W45)		dB(A)	74	72
Net dimensions (W × H × D)		mm	2000 × 1770 × 960	2220 × 2300 × 1135
Gross dimensions (W × H × D)		mm	2085 × 1890 × 1030	2250 × 2445 × 1180
Net / gross weight		kg	440 / 455	670 / 690
Hydraulic system connections		mm	DN50	DN65
Outdoor temperature range	Cooling ³	°C	-15 to 48	-15 to 48
	Heating	°C	-25 to 43	-25 to 43
	DHW	°C	-25 to 43	-25 to 43
Supply temperature range	Cooling ³	°C	0 to 20	0 to 20
	Heating	°C	25 to 65	25 to 65
	DHW	°C	30 to 62	30 to 62
	DHW (heat pump + electric heater) ⁴	°C	30 to 70	30 to 70



1. Measured in accordance with the standard: EN12102-1, outdoor temperature: 35°C DB, EWT 12°C, LWT 7°C.
2. Outdoor temperature: 35°C DB, EWT 12°C, LWT 7°C. Sound pressure level is the average measurement obtained in a semi-anechoic chamber, at a distance of 1 m from the front of the unit for all four walls and at a height of $(1+H)/2$ m (where H is the height of the unit) above the floor. During normal operation, sound pressure levels may be higher due to ambient noise.
3. For water temperatures below 5 °C, an antifreeze is required.
4. The electric heater of the storage tank is not an accessory.

Electrical characteristics

System	Outdoor unit				Current		Compressor		Fan	
	Voltage	Hz	Min.	Max.	MCA	MOP	MSC	RLA	kW	FLA
	(V)		(V)	(V)	(A)	(A)	(A)	(A)		(A)
KCHP-SU65-RN8L	380-415	50	342	456	46	54	-	34.09	0.39	1.4
KCHP-SU110-RN8L	380-415	50	342	456	90	106	-	34.09	0.68	1.7

MCA: Minimum Current Ampacity (A)

MOP: Maximum Overcurrent Protection (A)

MSC: Maximum Start-up Current (A)

FLA: Full Load Amps

kW: Rated motor power

RLA: Rated Load Amps under nominal test conditions for cooling or heating.