

Product Specification

Efficiency Data		Unit	51 kW (3 Ø)
Seasonal space heating eff. class (35°C / 55°C)		-	A++ / A++
Seasonal space heating efficiency (η_s) (35°C / 55°C)		%	167 / 125
SCOP (35°C / 55°C)		-	4.26 / 3.21
Sound power level	Rated / low noise mode (heating)	dB(A)	82 / 75
Sound pressure level at 10m	Rated / low noise mode (heating)	dB(A)	54 / 47
Nominal Capacity and COP/EER			
Air +7°C / water +35°C	Heating capacity / COP	kW / -	51.0 / 4.30
Air +2°C / water +35°C	Heating capacity / COP	kW / -	51.0 / 3.40
Air -7°C / water +35°C	Heating capacity / COP	kW / -	5.10 / 2.50
Air +7°C / water +55°C	Heating capacity / COP	kW / -	51.0 / 2.80
Air -7°C / water +55°C	Heating capacity / COP	kW / -	40.0 / 1.67
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	51.0 / 4.50
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	51.0 / 3.10
Outdoor Units		Unit	HM513MR UXCO
Operation range (outdoor air temperature)	Heating & DHW (Min. ~ Max.)	°C	-25 ~ 35
	Cooling (Min. ~ Max.)	°C	10 ~ 48
Refrigerant	Type	-	R32
	GWP	-	675
	Precharged amount	kg	10
Piping connections (water)	Inlet / outlet diameter	inch	Male PT 1-1/2" according to ISO 7-1 (tapered pipe threads)
Plate heat exchanger	Rated water flow rate	LPM	146
	Minimum flow rate (flow switch trigger point)	LPM	100
Dimension	H x W x D	mm	1,690 x 1,640 x 825
Weight	Net	kg	335
Exterior	Color of chassis / RAL code	-	Morning gray & dawn gray / RAL 7038 & RAL 7037
Power supply	Voltage, phase, frequency	V, Ø, Hz	380 ~ 415, 3, 50
	Standby power consumption	W	20
	Recommended circuit breaker	A	50
Indoor Units		Unit	PHCSL0 ENCXLEU
Operation range (leaving water temperature)	Heating (Min. ~ Max.)	°C	25 ~ 60 (65) ⁷⁾
	Cooling (Min. ~ Max.)	°C	5 ~ 27
	DHW (Min. ~ Max.)	°C	25 ~ 80
Dimension	H x W x D	mm	490 x 420 x 141
Weight	Net	kg	6.8
Exterior	Color / RAL code	-	Essence white / RAL 9003
Power supply	Voltage, phase, frequency	V, Ø, Hz	220 ~ 240, 1, 50
	Recommended circuit breaker	A	10

Note

- Due to our policy of innovation, some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound power level is measured on the rated condition in accordance with EN 12102-1 and ISO 9614. Sound pressure level is not a value declared on Eurovent Program and is converted from sound power level based on a tonality penalty of 0 dB and installation in free-field. The directivity index (Q) is assumed as 2. Therefore, these values can be increased owing to ambient conditions during operation. Rated sound power level is in accordance with EN12102-1 under condition of EN14825.
- Performances are in accordance with EN14511 and reflect ErP testing conditions. Above gives the declared values at rated conditions according to ErP regulation.
- This product contains fluorinated greenhouse gases.
- All installation sites must be equipped with an earth leakage circuit breaker (ELCB).
- The leaving water temperature of 65°C is possible only when a backup heater is installed.
- DHW 55-80°C Operating is available only when the booster heater is operating.