Neoheat POOL

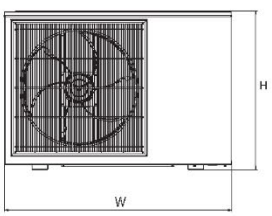
The Neoheat POOL heat pump is designed for direct plumbing to a swimming pool water process circuit. It is installed outdoors near the pool, and can be really easily removed from the site for storage after the pool season. It can be used for both pool water heating and cooling. The Pool pump can be operated with a control panel located on the unit. The pump features a condenser resistant to chlorinated and salt water. It is a perfect solution for backyard pools, fish farming ponds and all other facilities where precise water temperature management is required.

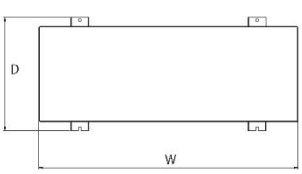
MONOBLOC

HIGH COMFORT LEVEL IN SUMMER AND WINTER

OPERATING RANGE FROM -7°C TO 43°C

R32 REFRIGERANT

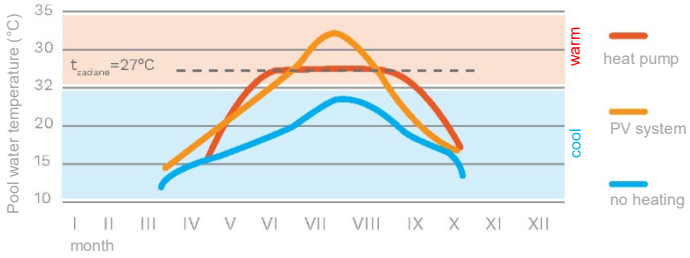




Model			Neoheat POOL		
			5	7	9
Indoor unit dimensions (H x W x D)	net/gross		x	x	x
Outdoor unit dimensions (H x W x D)	net/gross	mm	643 x 824 x 334 / 700 x 900 x 400	643 x 824 x 334 / 700 x 900 x 400	643 x 824 x 334 / 700 x 900 x 400

Model			Neoheat POOL		
			5	7	9
Indoor sound power level		DB(A)		N/A	
Outdoor sound power level		DB(A)	50	51	52
Special precautions			Before installing, see the installation and service manuals.		
Electrical efficiency			N/A		
Heat pump power supply		V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Electric heater power supply		V	400	400	400
Heating (LWT = 35°C) (Air temperature 26°C / water temperature 26°C)	Air handling performance	kW	6.7	8.6	11.9
	COP	-	6.36	6.1	5.78
Heating (LWT = 35°C) (Air temperature 15°C / water temperature 26°C)	Air handling performance	kW	5.1	6.3	8.7
	COP	-	4.87	4.76	4.59
Cooling (LWT = 18°C) (Air temperature 35°C / water temperature 26°C)	Air handling performance	kW	3.24	4	5.2
	EER	-	3.88	3.8	4.1
Cooling (LWT = 7°C) (Air temperature 35°C / water temperature 27°C)	Air handling performance	kW	5.2	6.4	8.4
	EER	-	4.95	4.4	4.5
Overcurrent protection rating		A	16	16	16
Power supply (no. of conductors x size)		mm^2	3 x 2.5 mm^2	3 x 2.5 mm^2	3 x 2.5 mm^2
Indoor unit weight	net/gross	kg	x	x	x
Outdoor unit weight		kg	38.5 / 40	38.5 / 40	39.5 / 40
Compressor	Type		Hermetic rotary DC inverter	compressor	
Refrigerant connections (liquid/gas)			x	x	x
Sensors			x	x	x
Integrated electric heater		kW	x	x	x
Compressor manufacturer			GMCC	GMCC	GMCC
Refrigerant	Type / amount of gas	kg	R32 / 0.45	R32 / 0.45	R32 / 0.6
Expansion valve			Electronic	Electronic	Electronic
Recommended operating range	Cooling		-7 ~ 43	-7 ~ 43	-7 ~ 43
	Heating	°C	-7 ~ 43	-7 ~ 43	-7 ~ 43
	DHW		x	x	x
Water-side heat exchanger	Type			Titanium heat exchanger	
Water-side connection	Type	Inch	2	2	2
Water outlet temperature range	Cooling		8 ~ 28	8 ~ 28	8 ~ 28
	Heating	°C	15 ~ 40	15 ~ 40	15 ~ 40
	DHW (tank)		x	x	x

Benefits:

- environmentally-friendly R32 refrigerant
- chlorinated and salt water resistant condenser
- smart controller
- PV system compatible
- low power consumption

Overview of swimming pool water temperature changes during the pool season