



ECO heatpumps

A range of efficient economical
& ecologically sound swimming pool heaters



"ECO" HEAT PUMPS

CHARACTERISTICS

ECONOMICAL IN USE

The energy is collected from the air outside and transferred to the pool water. For each kW consumed by the ECO heat pump, 4 to 5 kW are returned to the pool. There's a maximal return for a minimal cost.

INSTALLATION

The ECO heat pump has to be installed outside and will heat the pools from April to October. The Eco heat pump will collect energy from the air from 8°C and up. When the temperature drops under 8°C, the protection will become effective and the pump will turn down.

USER AND ENVIRONMENT FRIENDLY

The unit is intelligently designed and remarkably compact for easy installation (there's an on/off button and a rotary button for adjustment of the temperature). ECO heat pumps are less harmful to the environment because 80% of the energy produced is collected from the outside air and therefore purely natural. Also the gas used, R407C, has no harmful effect on the ozone layer.

CONSTRUCTED FOR DURABILITY AND LONGEVITY

Using advanced and high quality materials like PVC and "Titanium" for the heat exchanger means it can resist to erosion from chlorine in the water. A high and low pressure protection is foreseen as well as a prevention against freezing.

RUNNING QUIETLY

The use of a high efficient, low sound piston compressor and a low noise fan, makes the unit to be extremely quiet in operation.

SPECIFICATIONS

unit	model	ECO-3	ECO-5	ECO-8	ECO-10
heating capacity	kW	3,0	4,5	7,8	9,5
	BTU/h	10200	15300	26500	32500
power input	kW	0,73	1,05	1,65	1,97
maximum pool volume	m ³	12	18	30	40
running current	A	3,3	4,8	7,5	10,0
COP		4,1	4,3	4,7	4,8
power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
controller		mechanical control			
condenser		titanium heat exchanger			
compressor quantity		1	1	1	1
compressor		rotary	rotary	rotary	rotary
refrigerant		R407C	R407C	R407C	R407C
refrigerant quantity	kg	0,6	0,8	1,5	2,1
fan quantity		1	1	1	1
fan power input	W	20	25	25	30
fan speed	RPM	950	900	900	890
fan direction		horizontal	horizontal	horizontal	horizontal
noise at 2 m	dB(A)	51	54	55	57
water connection	mm	50	50	50	50
nominal water flow	m ³ /h	3-5	4-6	4-7	4-7
water pressure drop (max)	kPa	10	10	12	15
unit net dimensions	L/W/H mm	770/300/490	936/360/550	936/360/550	1010/370/615
unit shipping dimensions	L/W/H mm	825/315/525	1090/390/580	1090/390/580	1170/415/645
net weight/shipping waight	kg	29/32	36/39	54/57	63/67

MEASUREMENT CONDITIONS:

dry bulb: 24 °C

wet bulb: 19 °C

water inlet temperature 27 °C



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