

Specification Sheets

Pool Heat Pump 110 – 50Hz

Electr Heat PRO



PRODUCT GRADE Waterco Commercial
Model Number PRO110
Code 27883803025

Nominal Heating Cooling Capacity*

Output Heat (27/27/80)	110 kW (376,000 BTU)
Output Heat (24/27/80)	105 kW (358,000 BTU)
Output Heat (15/26/70)	85 kW (290,500 BTU)
Output Heat (-5/26/70)	46 kW (157,900 BTU)
Output Cool (35/28/80)	60 kW (205,800 BTU)
Coefficient of Performance @ 27/27/80 (COP)	5.36
Compressor (HP)	(2 x) 12HP
Manufacturer	Copeland
Compressor model	VP144KSE-TFP-522

Water Flow & Plumbing Characteristics

Water Bypass Type	Ext. Field Install
Min./Max. Water Flow Rate (LPM)	650 - 750
Min./Max. Water Inlet Temperature (°C)	14° - 40°
Plumbing Connection Size (Slip)	80mm PVC (MOD 88.9mm)

Electrical Characteristics

50Hz Dual Rated Supply Voltage (VAC)	380-415V
Supply Voltage Phase	3φ
Max HACR Breaker or Fuse (AMP)	60
Average unit input current (AMP)	40
Maximum unit input current (AMP)	54
Normal power consumption (kW)	16.6
Max. Fan Speed (RPM)	900
Fan Motor	Axial
Fan Full Load Amp (FLA) each	1.4
Air Flow (m³/h) each	9500 / 5613
Fan Diameter (mm)	630
Min./Max. Air Inlet Temperature (°C)	>0° ~ 40°

Refrigerant Characteristics

Refrigerant Type	R-410A
Initial Factory Refrigerant Charge (kg.)	(2 x) 5.5
Evaporator	Hydrophilic aluminium
Heat Exchanger	Titanium in PVC
Expansion system	(2x) Expansion Valve
Characteristics	TGEL -9 Danfoss
Four Way valve	Saginomiya STF-0712G

Physical Characteristics

Cabinet Construction	Powder coat steel
Standard Colour	Black
Weight (kg.)	530
Dimensions (mm)	900W x 2000L x 1880H

ELECTROHEAT PRO110

Features



Titanium twisted coil exchangers for maximum heat transfer
Blue fin dipped evaporators for enhanced heat absorption
Twin high performance 12HP Copeland hermetic scroll compressors
Twin fans for maximum airflow
Automatic hot gas de-icing for cold climates
Easy to connect single in / out 80mm (MOD 88.9mm) water connections
Easy cable entry and electrical connection access
Integral flow switch protecting equipment from operation when no flow is detected
Noise emission: 58dBA@ 3 metres
Warranty Domestic - 1 year labour,
10 years - titanium heat exchanger,
3 years - compressor,
2 years - all other components
Warranty Commercial - 1 year labour and parts

