

Specification Sheets

Pool Heat Pump 110 - 50Hz



PRODUCT GRADE Waterco Commercial
Model Number PRO110
Code 27883803025

Nominal Heating Cooling Capacity*

Output Heat Turbo Mode (27/27/80)	110 kW (376,000 BTU)
Output Heat Perfect Mode (24/27/80)	105 kW (358,000 BTU)
Output Heat Turbo Mode (15/26/70)	85 kW (290,500 BTU)
Output Heat Perfect Mode (-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

