

Specification Sheets

Pool Heat Pump 150 – 50Hz



PRODUCT GRADE Waterco Commercial
Model Number PRO150
Code 27883803030

Nominal Heating Cooling Capacity*

Output Heat (27/27/80)	157 kW (537,000 BTU)
Output Heat (24/27/70)	150kW (511,500 BTU)
Output Heat (15/26/70)	112 kW (384,900 BTU)
Output Heat (-5/27/63)	66 kW (225,500 BTU)
Output Cool (35/28/80)	75 kW (255,600 BTU)
Coefficient of Performance @ 27/27/80 (COP)	5.3
Compressor (HP)	(2 x) 15HP
Manufacturer	Copeland
Compressor model	VP182KSE-TFP-522

Water Flow & Plumbing Characteristics

Water Bypass Type	Ext. Field Install
Min./Max. Water Flow Rate (LPM)	950 - 1050
Min./Max. Water Inlet Temperature (°C)	14° - 40°
Plumbing Connection Size (Slip)	80mm PVC pressure pipe MOD 88.9mm

Electrical Characteristics

50Hz Dual Rated Supply Voltage (VAC)	380-415V
Supply Voltage Phase	3φ
Max HACR Breaker or Fuse (AMP)	80 / 100
Average unit input current (AMP)	40
Maximum unit input current (AMP)	80
Normal power consumption (kW)	16.6
Max. Fan Speed (RPM)	780
Fan Motor	Axial
Fan Full Load Amp (FLA) each	1.4
Air Flow (m³/h) each	15000 / 8820
Fan Diameter (mm)	710
Min./Max. Air Inlet Temperature (°C)	>0° - 40°

Refrigerant Characteristics

Refrigerant Type	R-410A
Initial Factory Refrigerant Charge (kg.)	(2 x) 6.5
Evaporator	Hydrophilic aluminium
Heat Exchanger	Titanium in PVC
Expansion system	(2x) Expansion Valve
Characteristics	TGEL -15 Danfoss
Four Way valve	Saginomiya STF-1511G

Physical Characteristics

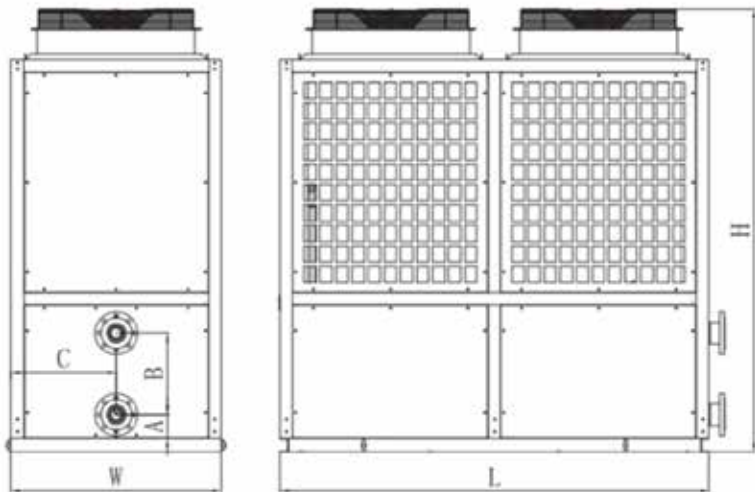
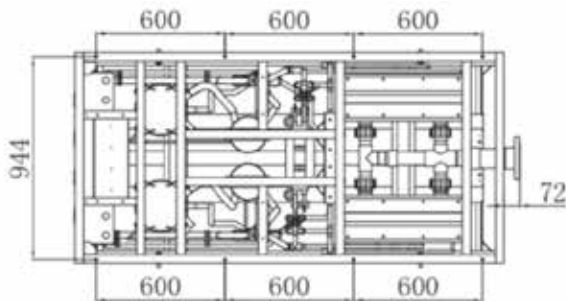
Cabinet Construction	Powder coat steel
Colour	Black standard / White (optional)
Weight (kg.)	600
Dimensions (mm)	970W x 2000L x 2062H

ELECTROHEAT PRO150

Features



- Titanium twisted coil exchangers for maximum heat transfer
- Blue fin dipped evaporators for enhanced heat absorption
- Twin high performance 15HP 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) pressure pipe water connections
- Easy cable entry and electrical connection access
- Integral flow switch protecting equipment from operation when no flow is detected
- Noise emission: 60dBA@ 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



L	W	H	A	B	C
2000	980	2062	173	430	490

*(27/27/80) = Air Temp: 27° / Water Temp 27° / Humidity 80%

Specifications subject to change without notice