

Specification Sheets

Pool Heat Pump 250 kW - 50Hz



PRODUCT GRADE Waterco Commercial
Model Number PRO250
Code 27883803050

Nominal Heating Cooling Capacity*

Output Heat (27/27/80)	262 kW (895,100 BTU)
Output Heat (24/27/70)	250 kW (852,500 BTU)
Output Heat (15/26/70)	191 kW (652,900 BTU)
Output Heat (-5/26/70)	110 kW (375,900 BTU)
Output Cool (35/28/80)	122 kW (418,300 BTU)
Coefficient of Performance @ 27/27/80 (COP)	5.2
Compressor (HP)	(4 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)	1700 - 1800
Min./Max. Water Inlet Temperature (°C)	14° - 40°
Plumbing Connection Size (Slip)	100mm PVC pressure pipe (MOD 114.3mm)

Electrical Characteristics

50Hz Dual Rated Supply Voltage (VAC)	380-415V
Supply Voltage Phase	3φ
Max HACR Breaker or Fuse (AMP)	160
Average unit input current (AMP)	90
Maximum unit input current (AMP)	132
Normal power consumption (kW)	50.5
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.)	(4 x) 5.5
Evaporator	Hydrophilic aluminium
Heat Exchanger	Titanium in PVC
Expansion system	(4x) Expansion Valve
Characteristics	TGEL -9 Danfoss
Four Way valve	Saginomiya STF-0712G

Physical Characteristics

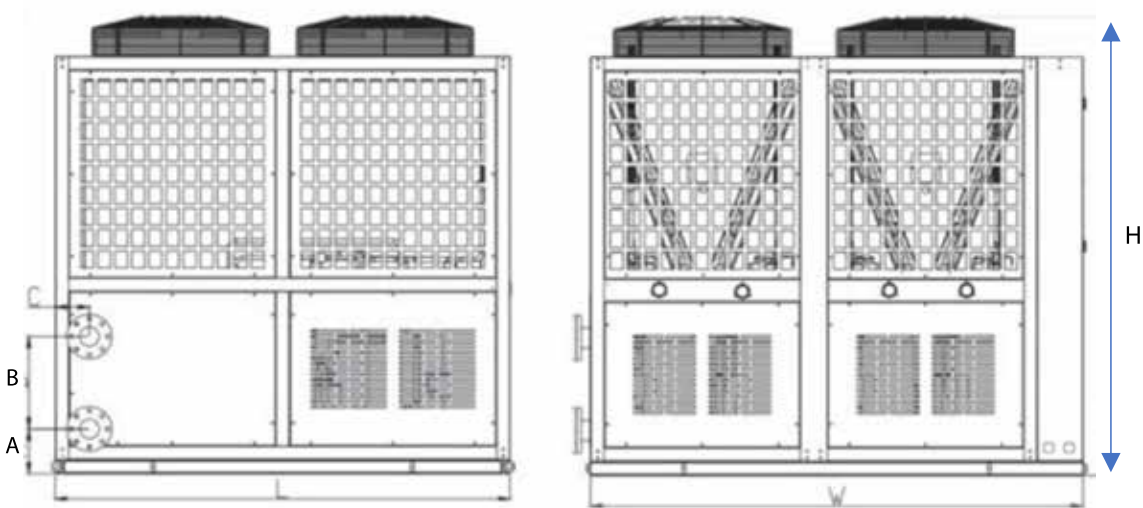
Cabinet Construction	Powder coat steel
Colour	Black standard / White (optional)
Weight (kg.)	1020
Dimensions (mm)	2160W x 2000L x 2140H

ELECTROHEAT PRO250

Features



- Titanium twisted coil exchangers for maximum heat transfer
- Blue fin dipped evaporators for enhanced heat absorption
- Quad high performance 12HP Copeland hermetic scroll compressors
- Quad fans for maximum airflow
- Automatic hot gas de-icing for cold climates
- Easy to connect single in / out 100mm (MOD 114.3mm) water connections
- Easy cable entry and electrical connection access
- Integral flow switch protecting equipment from operation when no flow is detected
- Noise emission: 65dBA@ 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	2160	2140	200	410	150

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

Specifications subject to change without notice