

## 500 KW CHILLER

### Features:

- Water Outlet Temperature Regulator
- Automatic Fan Circuit Breaker
- Fan Speed Regulator
- Internal Fan Protection Grid
- Electric Board Heater
- Water Strainer
- Electronic Expansion Valve
- Condensing Coil Grid with Metallic Strainer
- Water Expansion Vessel
- 3 Bar Water Pump
- Buffer Tank
- Steel Framed



Specification Overview	
Nominal Cooling Duty	500 kW
Power Supply	415vAC 3Ø, N + Eth
Electrical Connections	Hard Wire
Noise Levels	60 dBA @ 10 Metres
Dry Weight	3,500 Kg
Dimensions (WxLxH)	2,505 x 5,250 x 2,620 mm
Control	Automatic Programmer
Power Consumption	231 kW/h
Water Connections	4" Bauer Male & Female
Buffer Vessel	500 Litres
Water Pump	FHE60-160/110

**Our extensive and modern range of hire equipment includes:**

Air Cooled Chillers from 5kW to 750kW. As Well as a Heat Pump Range from 10kW up to 200kW Single Units. Container, Trailer and Packaged Boilers with Integral Pumps and Heat Exchangers Ranging from 100kW to 1.2mW. Portable Air Conditioning Units. Including: Exhaust Tube Units, Split Type Air Conditioners and Evaporative Coolers. Electric, Gas and Diesel Powered Heaters. Including: Fan Heaters, Infrared, Indirect Fired and Direct Fired Units.

# 500 KW CHILLER

Performance Data	
Design Duty	508 kW
Inlet Temperature	+12°C
Outlet Temperature	+7°C
Ambient	+30°C
Compressor Power	202.8 kW
EER	2.5
Compressors	6
Compressor Type	Scroll
Capacity Steps	6
Refrigerant	
Type	R410a
No. of Circuits	2
Noise Level	
Sound Pressure	60dBA @ 10m
Evaporator	
Type	Plate
Number of Circuits	2
Design Flow	82.7 m <sup>3</sup> /h
Pressure Drop	35 kPa
Max System Pressure	208 kPa
Condenser	
Fan Quantity	8
Fan Type	Axial
Air Max Volume	15.5 m <sup>3</sup> /s
Electrical	
Power	415vAC 3Ø, N + Eth
Full Load Amps	394 Amps
Start Amps	648 A
Unit Connection	Hardwired

