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## 100 KW HEAT PUMP CHILLER

### Features:

- Water Outlet Temperature Regulator
- Automatic Fan Circuit Breaker
- Fan Speed Regulator
- Low Noise Axial Fans
- Scroll Compressor w/ Sound-Proofing
- Microprocessor Control
- Steel Framed



Specification Overview	
Nominal Cooling Duty	100 kW
Nominal Heating Duty	99 kW
Power Supply	415vAC 3Ø, N + Eth
Electrical Connections	5 Pin 125 A BS4343
Noise Levels	55 dBA @ 10 Metres
Dry Weight	1,182 kg
Dimensions (WxLxH)	1,200 x 3,760 x 2,350 mm
Control	Internal
Power Consumption	39.2 kW/h
Water Connections	2" Bauer Male & Female
Buffer Vessel	No
Water Pump	Yes

**UK HEATING AND COOLING RENTAL SPECIALISTS**

**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.

# 100 KW HEAT PUMP CHILLER

Performance Data	
Design Duty	98.9 kW
Inlet Temperature	+12°C
Outlet Temperature	+7°C
Ambient	+30°C
Compressor Power	32.3 kW
EER	3
Compressors	3
Compressor Type	Scroll
Capacity Steps	2
Refrigerant	
Type	R407C
No. of Circuits	1
Noise Level	
Sound Pressure	55dBA @ 10m
Evaporator	
Type	Brazed Plate
Number of Circuits	1
Design Flow	4.73 l/s
Pressure Drop	39 kPa
Max System Pressure	158 kPa
Condenser	
Fan Quantity	3
Fan Type	Axial
Air Max Volume	10.36 m <sup>3</sup> /h
Electrical	
Power	415vAC 3Ø, N + Eth
Full Load Amps	90 A
Start Amps	236 A
Unit Connection	5 pin 125 Amp
Heating Data	
Operating In/Out/Amb	40/45/7°C

