

100 kW HEAT PUMP CHILLER

Features:

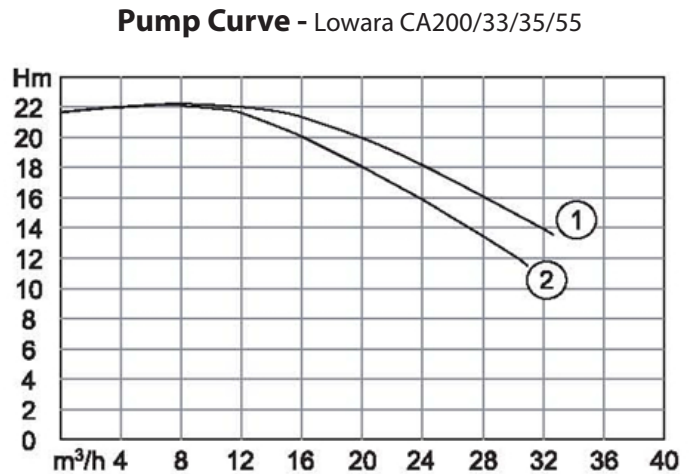
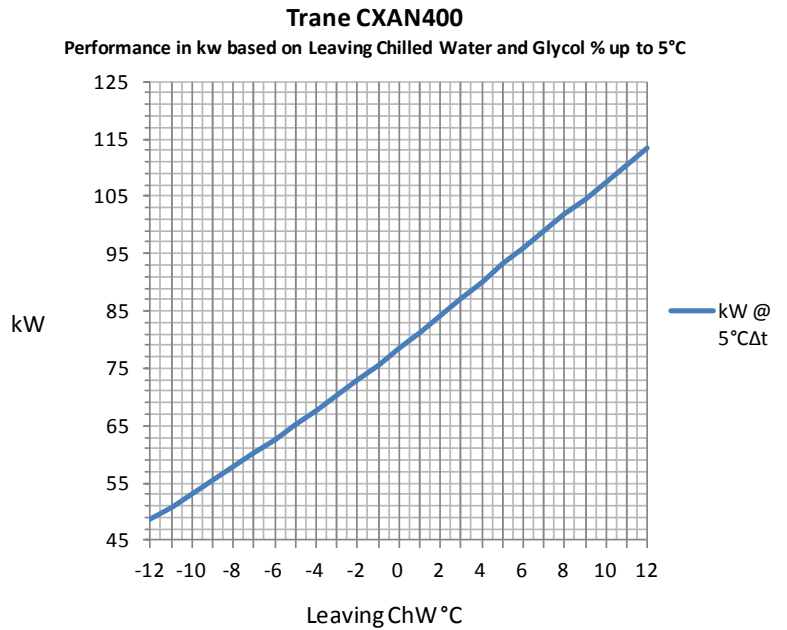
- Water Outlet Temperature Regulator
- Automatic Fan Circuit Breaker
- Fan Speed Regulator
- Low Noise Axial Fans
- Scroll Compressor w/ Sound-Proofing
- Microprocessor Control
- Steel Framed



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

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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 ³ /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



1. Single pump
2. Dual pump