



500kW AIR COOLED CHILLER



CODE: 1 CHL-0500



Designed to meet all requirements, this unit uses the best technologies available: twin-rotor screw compressors with a variable capacity valve, low-noise generation IV Flying Bird fans made of composite material, aluminium micro-channel heat exchangers (MCHX) and touch-screen control systems.

- Additional Benefits
- Easy & Fast to Install
- Economical operation
- Environmental care
- Low operating sound levels

Unit Information

Tag Name:	30XA-502
Model Number:	30XA0502-A
Quantity:	1
Manufacturing Source:	Montluel, France
Refrigerant:	R134A
Shipping Weight:	5090 kg
Operating Weight:	5174 kg
Unit Length:	5992 mm
Unit Width:	2253 mm
Unit Height:	2297 mm

Evaporator Information

Fluid Type:	Fresh Water
Fouling Factor:	0.0180 (sqm-K)/kW
Number of Passes:	3
Leaving Temperature:	6.0 °C
Entering Temperature:	12.0 °C
Fluid Flow:	19.58 L/s
Total Pressure Drop:	74.7 kPa

Condenser Information

Altitude:	0 m
Number of Fans:	9
Total Condenser Fan Air Flow at 20°C:	40625 L/s
Entering Air Temperature:	35.0 °C

MCHE Coating Requirements Information

Country:	Australia
Yearly Average Temperature:	35.0 °C
Yearly Average Effective Humidity:	75.0 %
Distance from Coast:	0.1 km
Corrosive/Industrial Environment:	No

Performance Information

Cooling Capacity:	490.8 kW
Total Compressor Power:	141.3 kW
Total Fan Motor Power:	14.3 kW
Total Unit Power:	157.9 kW
Efficiency:	3.11 kW/kW
A-Weighted Sound Power Level:	96 dbA

Accessories and Installed Options

Opt. 119 High Efficiency Option
Opt. 156 Energy Management Module
Opt. 256 Suction Line Insulation
Opt. 200 Australian Compliance
Opt. 281 Cooler with Aluminium Cladding
Opt. 279 Unit with Compressor Enclosure
Opt. 100A Cooler with one pass MORE
Opt. 148C CCN to Bac-Net Gateway
Opt. 23A Side Panels Only
Opt. 158 Touchscreen Interface

Electrical Information

Unit Voltage:	400-3-50 V-Ph-Hz
Standby Power:	0.20 kW
Minimum Voltage:	360 Volts
Maximum Voltage:	440 Volts
Power Factor:	0.86

Amps (Un)	Electrical Circuit 1	Electrical Circuit 2
Max Unit Current Draw (RLA)	350.1	---
Max Start Up Current (ICF)	509.7	---
Nominal Unit Current Draw (A)	264.1	---

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