450kW AIR COOLED CHILLER

Aircon Rentals
Making the difference

CODE: 1CHL-0450

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-452**
Model Number:	**30XA0452-A**
Quantity:	**1**
Manufacturing Source:	**Montluel, France**
Refrigerant:	**R134A**
Shipping Weight:	**4669 kg**
Operating Weight:	**4743 kg**
Unit Length:	**4798 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:	**2**
Leaving Temperature:	**6.0 °C**
Entering Temperature:	**12.0 °C**
Fluid Flow:	**16.27 L/s**
Total Pressure Drop:	**24.1 kPa**

Condenser Information	
Altitude:	**0 m**
Number of Fans:	**8**
Total Condenser Fan Air Flow at 20°C:	**27333 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:	**409.0 kW**
Total Compressor Power:	**136.8 kW**
Total Fan Motor Power:	**5.63 kW**
Total Unit Power:	**143.2 kW**
Efficiency:	**2.86 kW/kW**
A-Weighted Sound Power Level:	**93 dbA**

Accessories and Installed Options
Opt. 156 Energy Management Module
Opt. 200 Australian Compliance
Opt. 281 Cooler with Aluminium Cladding
Opt. 279 Unit with Compressor Enclosure
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)	302.8	---
Max Start Up Current (ICF)	504.6	---
Nominal Unit Current Draw (A)	239.6	---

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