



160kW AIR COOLED CHILLER



CODE: 1CHL-0160



ACCESSORIES



CHILLED WATER PUMPS



CHILLED WATER PIPE WORK



1400 AMP SWITCH BOARDS



5 LANE CROSS OVER



3 PHASE CABLES

Carrier 30RQ AQUASNAP® Air to Water Heat Pump - Chiller is designed to produce chilled water or hot water. It is available in 11 models from 38 to 157 Nominal kwr.

The 30RQ series Aquasnap air to water heat pump chillers include an integrated hydronic module and a standard electrical disconnect switch. Exceptional quiet operation: all units have a scroll compressor and low noise shrouded Flying Bird fans with 2 speed fan motors. Chlorine free R410a refrigerant. User friendly Prodialog Plus control with direct display machine main parameters : temperatures, pressures, operating conditions. Easy integration into any building thanks to reduces footprint and low profile.

PRODUCT SPECIFICATIONS

UNIT INFORMATION

Tag Name:	Untitled1
Model Number:	30RBS-160A
Quantity:	1
Manufacturing Source:	Montluel, France
Refrigerant:	R410A
Shipping Weight:	963 kg
Operating Weight:	979 kg
Unit Length:	2122 mm
Unit Width:	2273 mm
Unit Height:	1321 mm

EVAPORATOR INFORMATION

Fluid Type:	Fresh Water
Fouling Factor:	0.0180 (sqm-K)/kW
Leaving Temperature:	7.0 °C
Entering Temperature:	12.0 °C
Fluid Flow:	7.46 L/s
Total Pressure Drop:	80.4 kPa

CONDENSER INFORMATION

Altitude:	0 m
Number of Fans:	2
Total Condenser Fan Air Flow at 20°C:	10556 L/s

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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

MCHE Coating Requirements Information

Country:	Australia
Yearly Average Temperature:	35.0 °C

Integrated Pump Information

Static Head at Pump	193.4 kPa
Static Head External to Chiller	113.0 kPa

Performance Information

Cooling Capacity	155.3 kW
Total Compressor Power	54.4 kW
Total Fan Motor Power	3.23 kW
Total Unit Power	2.73 kW
Efficiency	58.9 kW
A-Weighted Sound Power Level	90 dbA

Accessories and Installed Options

Opt. 116B Fixed Speed Single Pump HP
Hydronic module with Expansion Vessel

Electrical Information

Unit Voltage:	400-3-50 V-Ph-Hz
Standby Power:	3.47 kW
Minimum Voltage:	360 Volts
Maximum Voltage:	440 Volts
Power Factor:	0.78

Amps (Un)	Electrical Circuit 1	Electrical Circuit 2
Max Unit Current Draw (RLA)	151.8	---
Max Start Up Current (ICF)	291.8	---
Nominal Unit Current Draw (A)	111.4	---