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ACSC-1.2MW-400V-R22-M2

1.2 MW Air-cooled Screw Chiller, 400V 3PH Nominal Voltage, R22 Refrigerant

Product ID: 326636



Image: ACSC-1.2MW-400V-R22-M2

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

ASCS-1.2MW-400V-R22-M2 Air-cooled Screw Chiller
Unit Type: Air-cooled Screw Chiller
Refrigerating Capacity:
Kw: 1200
Kcal/h: 107×10^4
RT: 341

Ratings
Listed for United States and Canada
18-month in-warranty
Factory Witness Tests

Operation Control Method: PLC programmable controller automatic control
Control Features: Supports Trending analytics, Local/remote BAS control, BACnet
Nominal Voltage: 400V/3P/50Hz
Voltage Fluctuation: ± 5%
Frequency Fluctuation: ± 2%
Overall Power: 400 KW
Machine Operating Current: 800A

Power Quality:
5% line reactor
Harmonic filtering option to < 5% THD
Current logging

Compression Engine:
Type: Oil-free centrifugal compressors with magnetic bearings
Energy Regulation: 1.25%-100%

Quantity: (2)
Start Type: Y-Δ Firing
Refrigerating Capacity: 360 kW
Cooling Current: 720 A

Evaporimeter:
Waterpipe Joint: DN 150*2
Water Flow: 7,239.5ft^3
Water Pressure Drop: 7.98 PSI
Type: Horizontal shell and tube dry evaporator

Integrated waterside economizer (WSE) option: Included, coil design, 3-way diverting valves, free cooling sequence

Condensator:
Type: Hydrophilic aluminum foil sleeve is a high efficiency area of threaded copper tube finned type
Blowing Rate: 15,149,992ft^3

Condensing Axial Fan:
Quantity: 16
Single unit power: 2.2 kW

Refrigerant
Type: <750 GWP Requirement
The Amount of Filling: 771.62 lbs
Cold Water Inlet Temperature: 12□
Outlet Temperature: 7□ (From 5□ to 15□ Safe Working Range)
Performance Tolerances: Capacity, 0-5%; IPLV/NPLV, 3%

Ambient Operating Envelope: Detailed octave-band sound levels per AHRI 370

Acoustic (Sound Power) Requirements: 30°F to 120°F, humidity 0–95%
Wind Rating: Must operate at basic wind speeds up to 106 mph
Seismic Requirement: Withstand earthquake forces (ASCE 7-16), remain operational afterward
Seismic Design Category: SDS, SD 1, importance, anchorage
Finish: ANSI 61 Grey, UL50 Finish
Dimensions: 89.4"-W x 378"-L x 103.2"-H
Weight: 24 251 lbs

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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The ACSC-1.2MW-400V-R22-M2 1.2 MW Air-cooled Screw Chiller, 400V 3PH Nominal Voltage, R22 Refrigerant.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

There are no Faqs