Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

ACSC-1.2MW-400V-R22-M2

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

Product ID: 326636

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

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

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/326636.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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