« Back

Coefficients for Compressor Model H23A463DBL

Measurement System: English   Switch to Metric   Revision: 5

Refrigerant: R22 **Series Family:** A

Related Information

> Compressor Specs

> Specific Point

> Performance Table

> Installation Drawing

> Print

Coefficient	Capacity	Power	Current	Mass Flow	Efficiency
C1	57,884.980000000	-8,530.313000000	5.881792000	1,455.620000000	0.0
C2	879.007400000	-91.831250000	-0.138270100	15.804310000	0.0
C3	-797.991200000	276.359700000	0.324128000	-31.823750000	0.0
C4	11.540800000	0.074389770	0.000133398	0.151068800	0.0
C5	-2.097834000	1.653883000	0.002711837	-0.141018500	0.0
C6	4.866977000	-2.326324000	-0.002598202	0.274999600	0.0
C7	0.033334910	0.001278189	0.000002159	0.000323719	0.0
C8	-0.040609260	-0.001550428	-0.000002210	-0.000585885	0.0
C9	-0.011064680	-0.004163366	-0.000006074	0.000563696	0.0
C10	-0.011220880	0.006437179	0.000006989	-0.000810789	0.0

Excel

Use these equations:

CAPACITY (Btu/hr) = C1 + C2*TE + C3*TC + C4*TE^2 + C5*TE*TC + C6*TC^2 + C7*TE^3 + C8*TE^2*TC + C9*TE*TC^2 + C10*TC^3

POWER (Watts) = C1 + C2*TE + C3*TC + C4*TE^2 + C5*TE*TC + C6*TC^2 + C7*TE^3 + C8*TE^2*TC + C9*TE*TC^2 + C10*TC^3

CURRENT (Amperes) = C1 + C2*TE + C3*TC + C4*TE^2 + C5*TE*TC + C6*TC^2 + C7*TE^3 + C8*TE^2*TC + C9*TE*TC^2 + C10*TC^3

MASS FLOW (lbm/hr) = C1 + C2*TE + C3*TC + C4*TE^2 + C5*TE*TC + C6*TC^2 + C7*TE^3 + C8*TE^2*TC + C9*TE*TC^2 + C10*TC^3

EFFICIENCY (%) = C1 + C2*TE + C3*TC + C4*TE^2 + C5*TE*TC + C6*TC^2 + C7*TE^3 + C8*TE^2*TC + C9*TE*TC^2 + C10*TC^3

where TE (evaporating temperature) and TC (condensing temperature) are in units of °F

15185 Industrial Park Road • Bristol, Virginia 24202

Back to top

Technical Support

+1-855-601-0894

276-645-2458

Engineering Support

+1-855-601-0894

276-645-2458

⌧ Email Tech Support

Existing Customer Login

Check order status, shipping information and more.

🔒 Login to your account

Visit Compressor University to get how-to videos, reference documents and basic information on servicing and repairing compressors.

Start Learning!

Download Product Catalog

- **About**
  - Mission
  - Products & Applications
  - Operations
  - Supplier Opportunities
  - Facility Tour
  - Management Team
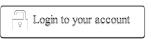 - Sales Team
- **Engineering Support**
  - Cross Reference
  - Compressor Search
  - Start Relay Drawings
  - Model Number System
  - Serial Number System
  - Application Bulletins
  - Market Bulletins
  - Installation and Service Instructions
  - Docs of Conformity
  - BOM Structure
  - FAQ
- **Field and Technical Support**
  - Start Relay Drawings
  - Model Number System
  - Serial Number System
  - Application Bulletins
  - Market Bulletins
  - Installation and Service Instructions
  - Docs of Conformity
  - BOM Structure
  - FAQ
- **Sales and Product Support**
  - Dealer and Distributor Locator
  - Start Relay Drawings
  - Model Number System
  - Serial Number System
  - Application Bulletins
  - Market Bulletins
  - BOM Structure

- FAQ
- Compressor University
  - Installation and Service Instructions
  - Model Number System
  - Serial Number System
  - Troubleshooting Guide
  - BOM Structure
  - FAQ