New Website Coming Soon

Coefficients for Compressor Model H23A623DBE

Measurement System: Metric	Revision: 4
Refrigerant: R22	Series Family: A

Coefficient	Capacity	Power	Current	Mass Flow	Efficiency
C1	203 939.000000000	2 150.563000000	3.124513000	11 379.410000000	0.0
C2	2 688.031000000	- 71.316670000	- 0.104136100	155.431300000	0.0
C3	-4 795.472000000	18.931650000	0.062778040	- 325.579400000	0.0
C4	21.727640000	- 0.910230500	- 0.001315187	1.075083000	0.0
C5	- 33.597260000	2.087843000	0.002991983	- 2.822188000	0.0
C6	41.841160000	- 0.302787000	- 0.000770810	3.118655000	0.0
C7	- 0.040507370	- 0.011720840	- 0.000016662	- 0.002987053	0.0
C8	- 0.108489700	0.014123340	0.000020272	- 0.007864033	0.0
C9	0.134964400	- 0.010015330	- 0.000014474	0.013460290	0.0
C10	- 0.125010600	0.001520672	0.000003198	- 0.009810795	0.0

Use these equations:

CAPACITY (Watts) = 0.29283333*(C1+ C2*(TE*1.8+32) + C3*(TC*1.8+32) + C4*(TE*1.8+32)^2+C5*(TE*1.8+32)*(TC*1.8+32)
+ C6*(TC*1.8+32)^2 + C7*(TE*1.8+32)^3 + C8*(TE*1.8+32)^2*(TC*1.8+32) + C9*(TE*1.8+32)*(TC*1.8+32)^2 + C10*(TC*1.8+32)^3)

POWER (Watts) = C1 + C2*(TE*1.8+32) + C3*(TC*1.8+32) + C4*(TE*1.8+32)^2 + C5*(TE*1.8+32)*(TC*1.8+32)
+ C6*(TC*1.8+32)^2+ C7*(TE*1.8+32)^3 + C8*(TE*1.8+32)^2*(TC*1.8+32) + C9*(TE*1.8+32)*(TC*1.8+32)^2 + C10*(TC*1.8+32)^3

CURRENT (Amperes) = C1 + C2*(TE*1.8+32) + C3*(TC*1.8+32) + C4*(TE*1.8+32)^2 + C5*(TE*1.8+32)*(TC*1.8+32)
+ C6*(TC*1.8+32)^2 + C7*(TE*1.8+32)^3 + C8*(TE*1.8+32)^2*(TC*1.8+32) + C9*(TE*1.8+32)*(TC*1.8+32)^2 + C10*(TC*1.8+32)^3

MASS FLOW (kg/hr) = 0.4536*(C1 + C2*(TE*1.8+32) + C3*(TC*1.8+32) + C4*(TE*1.8+32)^2 + C5*(TE*1.8+32)*(TC*1.8+32)
+ C6*(TC*1.8+32)^2 + C7*(TE*1.8+32)^3 + C8*(TE*1.8+32)^2*(TC*1.8+32) + C9*(TE*1.8+32)*(TC*1.8+32)^2 + C10*(TC*1.8+32)^3)

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