4DHNR22ME-TSK

HFC, R-404A, 60 Hz, 3 -Phase, 460 V
Air Conditioning

Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evaporator Temp. (°F)	45	35
Condensing Temp. (°F)	130	105
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	90
Capacity (Btu/hr)	284000	293000
Power (W):	27900	21900
Current (Amps):	41.40	33.40
EER (Btu/Wh):	10.20	13.40
Mass Flow (lbs/hr):	6000	5250
Sound Data @		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	3.7 Max
Record Date:	2011-10-27	

Mechanical

Displacment(in^3/Rev):	50.05
Displacment(ft^3/hr):	3041.24
Overall Length (in):	26.28
Overall Width (in):	20.50
Overall Height (in):	17.81
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	19.00 *
Suction Size (in),Type:	2 1/8 Sweat
Discharge Size (in),Type:	1 3/8 Sweat
Initial Oil Charge (oz):	115
Oil Recharge (oz):	105
Net Weight (lbs):	450.0
Internal Free Volume (in^3):	
Horse Power:	15.00

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA-High*(Amp):	214.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	52.1
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	37.2
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	33.4
RPM:	
UL File No:	
UL File Date:	

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-404A HFC	380/400	3	50	Medium Temp, Low Condensing
R-404A HFC	380/400	3	50	Air Conditioning
R-404A HFC	460	3	60	Medium Temp, Low Condensing
R-404A HFC	200	3	50	Medium Temp, Low Condensing
R-404A HFC	200	3	50	Air Conditioning
R-404A HFC	208/230	3	60	Medium Temp, Low Condensing
R-404A HFC	208/230	3	60	Air Conditioning
R-507 HFC	200	3	50	Air Conditioning

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Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-507 HFC	208/230	3	60	Air Conditioning
R-507 HFC	380/400	3	50	Medium Temp, Low Condensing
R-507 HFC	380/400	3	50	Air Conditioning
R-507 HFC	460	3	60	Medium Temp, Low Condensing
R-507 HFC	460	3	60	Air Conditioning
R-507 HFC	200	3	50	Medium Temp, Low Condensing
R-507 HFC	208/230	3	60	Medium Temp, Low Condensing
R-22 HCFC	460	3	60	Air Conditioning
R-22 HCFC	460	3	60	Medium Temp, Low Condensing
R-22 HCFC	380/400	3	50	Air Conditioning
R-22 HCFC	380/400	3	50	Medium Temp, Low Condensing
R-22 HCFC	200	3	50	Air Conditioning
R-22 HCFC	200	3	50	Medium Temp, Low Condensing
R-22 HCFC	208/230	3	60	Air Conditioning
R-22 HCFC	208/230	3	60	Medium Temp, Low Condensing
R-407C HFC	380/400	3	50	Medium Temp, Low Condensing
R-407C HFC	380/400	3	50	Air Conditioning
R-407C HFC	380/400	3	50	Medium Temp, Low Condensing
R-407C HFC	208/230	3	60	Air Conditioning
R-407C HFC	208/230	3	60	Medium Temp, Low Condensing
R-407C HFC	460	3	60	Medium Temp, Low Condensing
R-407C HFC	460	3	60	Air Conditioning
R-407C HFC	380/400	3	50	Air Conditioning
R-407A HFC	380/400	3	50	Air Conditioning
R-407A HFC	208/230	3	60	Medium Temp, Low Condensing
R-407A HFC	208/230	3	60	Air Conditioning
R-407A HFC	200	3	50	Medium Temp, Low Condensing
R-407A HFC	380/400	3	50	Air Conditioning
R-407A HFC	460	3	60	Medium Temp, Low Condensing
R-407A HFC	380/400	3	50	Medium Temp, Low Condensing
R-407A HFC	460	3	60	Air Conditioning
R-407F HFC	380/400	3	50	Medium Temp, Low Condensing
R-407F HFC	208/230	3	60	Medium Temp, Low Condensing
R-407F HFC	460	3	60	Air Conditioning
R-407F HFC	200	3	50	Medium Temp, Low Condensing
R-407F HFC	200	3	50	Air Conditioning
R-407F HFC	200	3	50	Air Conditioning
R-407F HFC	460	3	60	Air Conditioning
R-407F HFC	460	3	60	Medium Temp, Low Condensing
R-448A HFO	208/230	3	60	Medium Temp, Low Condensing
R-448A HFO	200	3	50	Medium Temp, Low Condensing
R-448A HFO	380/400	3	50	Medium Temp, Low Condensing
R-448A HFO	460	3	60	Medium Temp, Low Condensing

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Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-449A HFO	200	3	50	Medium Temp, Low Condensing
R-449A HFO	208/230	3	60	Medium Temp, Low Condensing
R-449A HFO	380/400	3	50	Medium Temp, Low Condensing
R-449A HFO	460	3	60	Medium Temp, Low Condensing

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