3DS4S12ME-TFD

HCFC, R-22, 60 Hz, 3 -Phase, 460 V
Medium Temp, Low Condensing

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)	20	0
Condensing Temp. (°F)	120	110
Return Gas Temp. (°F)	65	50
Liquid Temp. (°F)	120	95
Capacity (Btu/hr)	116000	77500
Power (W):	13700	10700
Current (Amps):	21.40	17.90
EER (Btu/Wh):	8.50	7.20
Mass Flow (lbs/hr):	1700	1070
Sound Data @		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2006-03-22	

Mechanical

Displacment(in^3/Rev):	35.01
Displacment(ft^3/hr):	2127.41
Overall Length (in):	28.25
Overall Width (in):	14.94
Overall Height (in):	19.18
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	20.93 *
Suction Size (in),Type:	1 5/8 Sweat
Discharge Size (in),Type:	1 1/8 Sweat
Initial Oil Charge (oz):	125
Oil Recharge (oz):	115
Net Weight (lbs):	385.0
Internal Free Volume (in^3):	
Horse Power:	10.00

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

Electrical

LRA-High*(Amp):	136.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	29.8
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	21.3
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	19.1
RPM:	
UL File No:	SA-2337
UL File Date:	1985-07-26

*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	460	3	60	Medium Temp, Low Condensing
R-404A HFC	380/420	3	50	Medium Temp, Low Condensing
R-507 HFC	460	3	60	Medium Temp, Low Condensing
R-507 HFC	380/420	3	50	Medium Temp, Low Condensing
R-22 HCFC	380/420	3	50	Medium Temp, Low Condensing
R-407C HFC	460	3	60	Medium Temp, Low Condensing
R-407A HFC	380/420	3	50	Medium Temp, Low Condensing
R-407A HFC	460	3	60	Medium Temp, Low Condensing
R-407F HFC	380/420	3	50	Medium Temp, Low Condensing
R-407F HFC	460	3	60	Medium Temp, Low Condensing

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Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-448A HFO	460	3	60	Medium Temp, Low Condensing
R-448A HFO	380/420	3	50	Medium Temp, Low Condensing
R-449A HFO	460	3	60	Medium Temp, Low Condensing
R-449A HFO	380/420	3	50	Medium Temp, Low Condensing

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