3DF3R15ME-TFD

HFC, R-407C, 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

Evap(°F)/Cond(°F)	45 / 130	35 / 105
RG(°F)/Liq(°F)	65.0 / 115.0	55.0 / 90.0
Capacity (Btu/hr)	163000	159500
Power (W):	15150	11600
Current (Amps):	22.45	18.35
EER (Btu/Wh):	10.75	13.75
Mass Flow (lbs/hr):	2370	2060
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-	0.0 Avg	4.82 Max
Record Date:	2010-11-23	

Mechanical

Number of Cylinders:	3	Displacment(in^3/Rev):	31.49
Bore Size(in):	2.31	Displacment(ft^3/hr):	1913.20
Stroke(in):	2.50		
Overall Length (in):	26.78	Mounting Length (in):	15.00
Overall Width (in):	15.06	Mounting Width (in):	12.00
Overall Height (in):	18.03	Mounting Height (in):	19.06 *

Suction Size (in),Type:	1 3/8 Sweat
Discharge Size (in),Type:	1 1/8 Sweat
Oil Recharge (oz):	115
Initial Oil Charge (oz):	125
Net Weight (lbs):	385
Internal Free Volume (in^3):	
Horse Power:	12.5

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

Electrical

LRA-High*(Amp):	138.0	MCC (Amps):	33.0	UL File No:	SA-2337
LRA-Half Winding		RPM:		UL File Date:	
LRA Low* (Amp):		Max Operating Current			

RLA, MCC/1.4;use for contactor selection (Amp): 23.6
RLA, MCC/1.56;use for breaker & wire size selection 21.2

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

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-404A HFC	60	3	460	Medium Temp, Low Condensing
R-404A HFC	50	3	380/420	Medium Temp, Low Condensing
R-507 HFC	60	3	460	Medium Temp, Low Condensing
R-507 HFC	50	3	380/420	Medium Temp, Low Condensing
R-22 HCFC	60	3	460	Medium Temp, Low Condensing
R-22 HCFC	50	3	380/420	Medium Temp, Low Condensing
R-407C HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	60	3	460	Air Conditioning
R-407A HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	50	3	380/420	Medium Temp, Low Condensing

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Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-407F HFC	60	3	460	Medium Temp, Low Condensing
R-407F HFC	50	3	380/420	Medium Temp, Low Condensing
R-448A HFO	60	3	460	Medium Temp, Low Condensing
R-448A HFO	50	3	380/420	Medium Temp, Low Condensing
R-449A HFO	60	3	460	Medium Temp, Low Condensing
R-449A HFO	50	3	380/420	Medium Temp, Low Condensing

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