

3DSDS12ME-TFC

HFC, R-407C, 60Hz, 3- Phase, 208/230 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

Evap(°F)/Cond(°F)	20 / 120	0 / 110
RG(°F)/Liq(°F)	65.0 / 120.0	65.0 / 110.0
Capacity (Btu/hr)	108000	70000
Power (Watts):	13200	9970
Current (Amps):	40.50	33.40
EER (Btu/Wh):	8.15	7.00
Mass Flow (lbs/hr):	1560	942
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	4.82 Max
Record Date:	2009-08-13	

Mechanical

Number of Cylinders:	3	Displ(in ³ /Rev):	35.01
Bore Size(in):	2.44	Displ(ft ³ /hr):	2127.41
Stroke(in):	2.50		
Overall Length (in):	28.03	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):	1 5/8 Sweat		
Discharge Size (in):	1 1/8 Sweat		
Oil Recharge (oz):	115		
Initial Oil Charge (oz):	125		
Net Weight (lbs):	385		
Internal Free Volume (in ³):			
Horse Power:	10		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	280.0	MCC (Amps):	58.7	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):			41.9		
RLA(=MCC/1.56;use for breaker & wire size selection):			37.6		
*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-449A HFO	60	3	208/230	Medium Temp, Low Condensing
R-22 HCFC	50	3	200/220	Medium Temp, Low Condensing
R-404A HFC	50	3	200/220	Medium Temp, Low Condensing
R-507 HFC	50	3	200/220	Medium Temp, Low Condensing
R-407C HFC	50	3	200/220	
R-407A HFC	50	3	200/220	Medium Temp, Low Condensing
R-407F HFC	50	3	200/220	Medium Temp, Low Condensing
R-448A HFO	50	3	200/220	Medium Temp, Low Condensing
R-449A HFO	50	3	200/220	Medium Temp, Low Condensing
R-22 HCFC	60	3	208/230	Medium Temp, Low Condensing

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R-407A HFC	60	3	208/230	Medium Temp, Low Condensing
R-407F HFC	60	3	208/230	Medium Temp, Low Condensing
R-448A HFO	60	3	208/230	Medium Temp, Low Condensing