

3DSDS12ME-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

<u>Evap(°F)/Cond(°F)</u>	<u>20 / 120</u>	<u>0 / 110</u>
<u>RG(°F)/Liq(°F)</u>	<u>65.0 / 120.0</u>	<u>50.0 / 95.0</u>
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 Power (dBA):	0 Avg	0 Max
Vibration mils(peak-	0.0 Avg	4.82 Max
Record Date:	2009-08-13	

Mechanical

Number of Cylinders:	3	Displacement(in ³ /Rev):	35.01
Bore Size(in):	2.44	Displacement(ft ³ /hr):	2127.41
Stroke(in):	2.50		
Overall Length (in):	28.25	Mounting Length (in):	15.00
Overall Width (in):	14.94	Mounting Width (in):	12.00
Overall Height (in):	19.18	Mounting Height (in):	20.93 *
Suction Size (in),Type:	1 5/8 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:	10		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*(Amp):	136.0	MCC (Amps):	29.8	UL File No:	SA-2337
LRA-Half Winding		RPM:		UL File Date:	26-Jul-1985
LRA Low* (Amp):		Max Operating Current			
RLA, MCC/1.4;use for contactor selection (Amp):	21.3				
RLA, MCC/1.56;use for breaker & wire size selection	19.1				
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
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	50	3	380/420	Medium Temp, Low Condensing
R-407C HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	50	3	380/420	Medium Temp, Low Condensing
R-407F HFC	60	3	460	Medium Temp, Low Condensing
R-407F HFC	50	3	380/420	Medium Temp, Low Condensing

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
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