

4DA3R12ME-TSK

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

Low Temperature



Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evap(°F)/Cond(°F)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	34100	16800
Power (Watts):	7100	4890
Current (Amps):	13.25	11.10
EER (Btu/Wh):	4.80	3.45
Mass Flow (lbs/hr):	440	216
Sound Power (dBA):		
Vibration (mils(peak-peak)):		3.68 Max
Record Date:	2009-05-19	

Mechanical

Number of Cylinders:	4	Displ(in ³ /Rev):	39.27
Bore Size(in):	2.50	Displ(ft ³ /hr):	2386.12
Stroke(in):	2.00		
Overall Length (in):	25.47	Mounting Length (in):	15.00
Overall Width (in):	21.25	Mounting Width (in):	12.00
Overall Height (in):	17.50	Mounting Height (in):	19.25 *
Suction Size (in):		1 5/8 Sweat	
Discharge Size (in):		1 1/8 Sweat	
Oil Recharge (oz):		125	
Initial Oil Charge (oz):		135	
Net Weight (lbs):		461	
Internal Free Volume (in ³):			
Horse Power:		8	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	240.0	MCC (Amps):	54.0	UL File No:	SA-2337
LRA-Half Winding:	140.0	RPM:	3500	UL File Date:	07-Apr-1971
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):			38.6		
RLA(=MCC/1.56;use for breaker & wire size selection):			34.6		
*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-407C HFC	60	3	460	Low Temperature
R-22 HCFC	50	3	200	
R-502 CFC	50	3	200	
R-134a HFC	50	3	200	
R-134a HFC	50	3	200	
R-407C HFC	50	3	200	Low Temp, Low Condensing
R-407A HFC	50	3	200	Low Temp, Low Condensing
R-407F HFC	50	3	200	Low Temp, Low Condensing
R-448A HFO	50	3	200	
R-449A HFO	50	3	200	

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	60	3	460	
R-502 CFC	60	3	460	Low Temperature
R-134a HFC	60	3	460	High Temp
R-134a HFC	60	3	460	
R-407C HFC	60	3	460	Low Temp, Low Condensing
R-407A HFC	60	3	460	Low Temp, Low Condensing
R-407F HFC	60	3	460	Low Temp, Low Condensing
R-448A HFO	60	3	460	
R-449A HFO	60	3	460	
R-22 HCFC	60	3	208/230	
R-502 CFC	60	3	208/230	Low Temperature
R-134a HFC	60	3	208/230	High Temp
R-134a HFC	60	3	208/230	
R-407C HFC	60	3	208/230	Low Temp, Low Condensing
R-407A HFC	60	3	208/230	Low Temp, Low Condensing
R-407F HFC	60	3	208/230	Low Temp, Low Condensing
R-448A HFO	60	3	208/230	
R-449A HFO	60	3	208/230	
R-22 HCFC	50	3	380/400	
R-502 CFC	50	3	380/400	
R-134a HFC	50	3	380/400	High Temp
R-134a HFC	50	3	380/400	
R-407C HFC	50	3	380/400	Low Temp, Low Condensing
R-407A HFC	50	3	380/400	Low Temp, Low Condensing
R-407F HFC	50	3	380/400	Low Temp, Low Condensing
R-448A HFO	50	3	380/400	
R-449A HFO	50	3	380/400	