

4DC3R20ME-TSK

HCFC, R-22, 60 Hz, 3 -phase, 208/230 V

Air Conditioning



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)	45 / 130	35 / 105
RG(°F)/Liq(°F)	65.0 / 115.0	55.0 / 90.0
Capacity (Btu/hr)	244000	236000
Power (Watts):	21700	16700
Current (Amps):	64.25	51.95
EER (Btu/Wh):	11.20	14.10
Mass Flow (lbs/hr):	3570	3140
Sound Data @		
Sound Power (dBA):		
Vibration (mils(peak-peak)):		3.68 Max
Record Date:	2007-06-12	

Mechanical

Number of Cylinders:	4	Displ(in ³ /Rev):	45.40
Bore Size(in):	2.69	Displ(ft ³ /hr):	2758.49
Stroke(in):	2.00		
Overall Length (in):	26.28	Mounting Length (in):	15.00
Overall Width (in):	20.50	Mounting Width (in):	12.00
Overall Height (in):	18.78	Mounting Height (in):	19.97 *
Suction Size (in):		2 1/8 Sweat	
Discharge Size (in):		1 3/8 Sweat	
Oil Recharge (oz):		125	
Initial Oil Charge (oz):		135	
Net Weight (lbs):		450	
Internal Free Volume (in ³):			
Horse Power:		17	

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

Electrical

LRA-High*:	374.0	MCC (Amps):	91.8	UL File No:	SA-2337
LRA-Half Winding:	222.0	RPM:	3500	UL File Date:	07-Apr-1971
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		65.6			
RLA(=MCC/1.56;use for breaker & wire size selection):		58.8			

*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	50	3	200	Medium Temp, Low Condensing
R-404A HFC	50	3	200	Air Conditioning
R-404A HFC	60	3	460	Medium Temp, Low Condensing
R-404A HFC	60	3	460	Air Conditioning
R-404A HFC	60	3	208/230	Medium Temp, Low Condensing
R-404A HFC	60	3	208/230	Air Conditioning
R-404A HFC	50	3	380/400	Medium Temp, Low Condensing
R-404A HFC	50	3	380/400	Air Conditioning
R-507 HFC	50	3	200	Medium Temp, Low Condensing
R-507 HFC	50	3	200	Air Conditioning

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-507 HFC	60	3	460	Medium Temp, Low Condensing
R-507 HFC	60	3	460	Air Conditioning
R-507 HFC	60	3	208/230	Medium Temp, Low Condensing
R-507 HFC	60	3	208/230	Air Conditioning
R-507 HFC	50	3	380/400	Medium Temp, Low Condensing
R-507 HFC	50	3	380/400	Air Conditioning
R-22 HCFC	60	3	460	Medium Temp, Low Condensing
R-22 HCFC	60	3	208/230	Medium Temp, Low Condensing
R-22 HCFC	50	3	200	Medium Temp, Low Condensing
R-22 HCFC	50	3	380/400	Medium Temp, Low Condensing
R-22 HCFC	50	3	200	Air Conditioning
R-22 HCFC	50	3	200	Medium Temp, Low Condensing
R-22 HCFC	60	3	460	Air Conditioning
R-22 HCFC	60	3	460	Medium Temp, Low Condensing
R-22 HCFC	60	3	208/230	Medium Temp, Low Condensing
R-22 HCFC	50	3	380/400	Air Conditioning
R-22 HCFC	50	3	380/400	Medium Temp, Low Condensing
R-407C HFC	60	3	460	Air Conditioning
R-407C HFC	50	3	200	Medium Temp, Low Condensing
R-407C HFC	50	3	380/400	Medium Temp, Low Condensing
R-407C HFC	50	3	200	Air Conditioning
R-407C HFC	50	3	380/400	Air Conditioning
R-407C HFC	60	3	208/230	Air Conditioning
R-407C HFC	60	3	208/230	Medium Temp, Low Condensing
R-407C HFC	60	3	208/230	Air Conditioning
R-407C HFC	50	3	380/400	Medium Temp, Low Condensing
R-407C HFC	50	3	380/400	Air Conditioning
R-407C HFC	60	3	460	Medium Temp, Low Condensing
R-407C HFC	60	3	208/230	Medium Temp, Low Condensing
R-407C HFC	50	3	200	Medium Temp, Low Condensing
R-407C HFC	50	3	200	Air Conditioning
R-407C HFC	60	3	460	Medium Temp, Low Condensing
R-407C HFC	60	3	460	Air Conditioning
R-407A HFC	60	3	460	Air Conditioning
R-407A HFC	60	3	208/230	Air Conditioning
R-407A HFC	50	3	200	Medium Temp, Low Condensing
R-407A HFC	50	3	200	Air Conditioning
R-407A HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	60	3	460	Air Conditioning
R-407A HFC	50	3	380/400	Medium Temp, Low Condensing
R-407A HFC	50	3	200	Medium Temp, Low Condensing
R-407A HFC	60	3	208/230	Medium Temp, Low Condensing
R-407A HFC	60	3	208/230	Air Conditioning

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-407A HFC	50	3	380/400	Medium Temp, Low Condensing
R-407A HFC	50	3	380/400	Air Conditioning
R-407A HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	60	3	208/230	Medium Temp, Low Condensing
R-407F HFC	50	3	200	Medium Temp, Low Condensing
R-407F HFC	50	3	200	Air Conditioning
R-407F HFC	60	3	460	Medium Temp, Low Condensing
R-407F HFC	60	3	460	Air Conditioning
R-407F HFC	60	3	208/230	Medium Temp, Low Condensing
R-407F HFC	60	3	208/230	Air Conditioning
R-407F HFC	50	3	380/400	Medium Temp, Low Condensing
R-407F HFC	50	3	380/400	Air Conditioning
R-448A HFO	60	3	460	Medium Temp, Low Condensing
R-448A HFO	60	3	208/230	Medium Temp, Low Condensing
R-448A HFO	50	3	380/400	Medium Temp, Low Condensing
R-448A HFO	50	3	200	Medium Temp, Low Condensing
R-448A HFO	50	3	200	Medium Temp, Low Condensing
R-448A HFO	60	3	460	Medium Temp, Low Condensing
R-448A HFO	60	3	208/230	Medium Temp, Low Condensing
R-448A HFO	50	3	380/400	Medium Temp, Low Condensing
R-449A HFO	60	3	460	Medium Temp, Low Condensing
R-449A HFO	60	3	208/230	Medium Temp, Low Condensing
R-449A HFO	50	3	200	Medium Temp, Low Condensing
R-449A HFO	60	3	460	Medium Temp, Low Condensing
R-449A HFO	60	3	208/230	Medium Temp, Low Condensing
R-449A HFO	50	3	380/400	Medium Temp, Low Condensing