

4DB3R20ME-TSK

HCFC, R-22, 60 Hz, 3 -Phase, 460 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

Evaporator Temp. (°F)	45	35
Condensing Temp. (°F)	130	105
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	90
Capacity (Btu/hr)	244000	236000
Power (W):	21700	16700
Current (Amps):	32.15	26.00
EER (Btu/Wh):	11.20	14.10
Mass Flow (lbs/hr):	3570	3140
<u>Sound Data @</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	3.7 Max
Record Date:	2007-06-12	

Mechanical

Displacment(in ³ /Rev):	45.40
Displacment(ft ³ /hr):	2758.49
Overall Length (in):	26.28
Overall Width (in):	21.25
Overall Height (in):	17.50
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	19.25 *
Suction Size (in),Type:	2 1/8 Sweat
Discharge Size (in),Type:	1 3/8 Sweat
Initial Oil Charge (oz):	135
Oil Recharge (oz):	125
Net Weight (lbs):	450.0
Internal Free Volume (in ³):	
Horse Power:	17.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical

LRA-High*(Amp):	187.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	45.9
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	32.8
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	29.4
RPM:	
UL File No:	SA-2337
UL File Date:	1971-04-07
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Capacitors

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-404A HFC	208/230	3	60	Medium Temp, Low Condensing
R-404A HFC	208/230	3	60	Air Conditioning
R-404A HFC	380/400	3	50	Medium Temp, Low Condensing
R-404A HFC	380/400	3	50	Air Conditioning
R-404A HFC	200	3	50	Medium Temp, Low Condensing
R-404A HFC	200	3	50	Air Conditioning
R-404A HFC	460	3	60	Medium Temp, Low Condensing
R-404A HFC	460	3	60	Air Conditioning
R-507 HFC	208/230	3	60	Medium Temp, Low Condensing
R-507 HFC	208/230	3	60	Air Conditioning

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-507 HFC	380/400	3	50	Medium Temp, Low Condensing
R-507 HFC	380/400	3	50	Air Conditioning
R-507 HFC	200	3	50	Medium Temp, Low Condensing
R-507 HFC	200	3	50	Air Conditioning
R-507 HFC	460	3	60	Medium Temp, Low Condensing
R-507 HFC	208/230	3	60	Air Conditioning
R-22 HCFC	208/230	3	60	Air Conditioning
R-22 HCFC	460	3	60	Medium Temp, Low Condensing
R-22 HCFC	380/400	3	50	Medium Temp, Low Condensing
R-22 HCFC	200	3	50	Air Conditioning
R-22 HCFC	380/400	3	50	Medium Temp, Low Condensing
R-22 HCFC	460	3	60	Medium Temp, Low Condensing
R-22 HCFC	380/400	3	50	Air Conditioning
R-407C HFC	460	3	60	Medium Temp, Low Condensing
R-407C HFC	208/230	3	60	Air Conditioning
R-407C HFC	200	3	50	Medium Temp, Low Condensing
R-407C HFC	200	3	50	Air Conditioning
R-407C HFC	200	3	50	Medium Temp, Low Condensing
R-407C HFC	200	3	50	Air Conditioning
R-407C HFC	460	3	60	Medium Temp, Low Condensing
R-407C HFC	460	3	60	Air Conditioning
R-407A HFC	208/230	3	60	Medium Temp, Low Condensing
R-407A HFC	208/230	3	60	Air Conditioning
R-407A HFC	200	3	50	Medium Temp, Low Condensing
R-407A HFC	200	3	50	Air Conditioning
R-407A HFC	200	3	50	Medium Temp, Low Condensing
R-407A HFC	200	3	50	Air Conditioning
R-407A HFC	460	3	60	Medium Temp, Low Condensing
R-407A HFC	460	3	60	Air Conditioning
R-448A HFO	380/400	3	50	Medium Temp, Low Condensing
R-448A HFO	200	3	50	Medium Temp, Low Condensing
R-448A HFO	460	3	60	Medium Temp, Low Condensing
R-448A HFO	208/230	3	60	Medium Temp, Low Condensing
R-449A HFO	460	3	60	Medium Temp, Low Condensing
R-449A HFO	380/400	3	50	Medium Temp, Low Condensing
R-449A HFO	200	3	50	Medium Temp, Low Condensing
R-449A HFO	208/230	3	60	Medium Temp, Low Condensing