

4DK3R22ME-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

Evaporator Temp. (°F)	45	35
Condensing Temp. (°F)	130	105
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	90
Capacity (Btu/hr)	262000	254000
Power (W):	23700	18200
Current (Amps):	36.15	29.60
EER (Btu/Wh):	11.10	14.00
Mass Flow (lbs/hr):	3840	3380
<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

Displacement(in ³ /Rev):	49.67
Displacement(ft ³ /hr):	3017.79
Overall Length (in):	26.28
Overall Width (in):	20.50
Overall Height (in):	18.78
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	19.97 *
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:	20.00

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

Electrical

LRA-High*(Amp):	428.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	250.0
MCC (Amps):	115.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	82.1
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	73.7
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	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-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-507 HFC	200	3	50	Medium Temp, Low Condensing
R-507 HFC	200	3	50	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	460	3	60	Medium Temp, Low Condensing
R-507 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
R-22 HCFC	200	3	50	Air Conditioning
R-22 HCFC	200	3	50	Medium Temp, Low Condensing
R-22 HCFC	460	3	60	Air Conditioning
R-22 HCFC	460	3	60	Medium Temp, Low Condensing
R-22 HCFC	208/230	3	60	Medium Temp, Low Condensing
R-22 HCFC	380/400	3	50	Air Conditioning
R-22 HCFC	380/400	3	50	Medium Temp, Low Condensing
R-502 CFC	200	3	50	Medium Temperature
R-502 CFC	460	3	60	Medium Temperature
R-502 CFC	208/230	3	60	Medium Temperature
R-502 CFC	380/400	3	50	Medium Temperature
R-407C HFC	380/400	3	50	Air Conditioning
R-407C HFC	380/400	3	50	Air Conditioning
R-407C HFC	460	3	60	Medium Temp, Low Condensing
R-407C HFC	208/230	3	60	Medium Temp, Low Condensing
R-407C HFC	380/400	3	50	Medium Temp, Low Condensing
R-407C HFC	380/400	3	50	Medium Temp, Low Condensing
R-407C HFC	380/400	3	50	UL Medium Temp
R-407C HFC	380/400	3	50	UL High Temp
R-407C HFC	460	3	60	Medium Temp, Low Condensing
R-407C HFC	460	3	60	Air Conditioning
R-407C HFC	208/230	3	60	Medium Temp, Low Condensing
R-407C HFC	208/230	3	60	Air Conditioning
R-407C HFC	380/400	3	50	UL Medium Temp
R-407C HFC	380/400	3	50	UL High Temp
R-407C HFC	380/400	3	50	Air Conditioning
R-407C HFC	380/400	3	50	Air Conditioning
R-407C HFC	380/400	3	50	Medium Temp, Low Condensing
R-407C HFC	380/400	3	50	Medium Temp, Low Condensing
R-407A HFC	460	3	60	Air Conditioning
R-407A HFC	380/400	3	50	UL Medium Temp
R-407A HFC	380/400	3	50	UL High Temp
R-407A HFC	380/400	3	50	Air Conditioning
R-407A HFC	380/400	3	50	Air Conditioning
R-407A HFC	460	3	60	Medium Temp, Low Condensing
R-407A HFC	460	3	60	Air Conditioning
R-407A HFC	208/230	3	60	Medium Temp, Low Condensing

Alternate Applications

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