

3DBDF33KE-TFC

HCFC, R-22, 60 Hz, 3 -Phase, 208/230 V
Low Temperature



Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	105	105
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	105	105
Capacity (Btu/hr)	29000	16800
Power (W):	5550	4270
Current (Amps):	18.85	16.20
EER (Btu/Wh):	5.20	3.90
Mass Flow (lbs/hr):	387	223
<u>Sound Data @</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	4.8 Max
Record Date:	2009-08-13	

Mechanical

Displacment(in ³ /Rev):	26.58
Displacment(ft ³ /hr):	1615.11
Overall Length (in):	25.86
Overall Width (in):	14.92
Overall Height (in):	19.13
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	21.09 *
Suction Size (in),Type:	1 3/8 Sweat
Discharge Size (in),Type:	1 1/8 Sweat
Initial Oil Charge (oz):	125
Oil Recharge (oz):	115
Net Weight (lbs):	385.0
Internal Free Volume (in ³):	
Horse Power:	5.50

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

Electrical

LRA-High*(Amp):	161.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	41.5
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	29.6
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	26.6
RPM:	
UL File No:	SA-2337
UL File Date:	1985-07-26

*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-134a HFC	208/230	3	60	High Temp
R-134a HFC	200/220	3	50	High Temp
R-404A HFC	208/230	3	60	Low Temp, Low Condensing
R-404A HFC	200/220	3	50	Low Temp, Low Condensing
R-507 HFC	208/230	3	60	Low Temp, Low Condensing
R-507 HFC	200/220	3	50	Low Temp, Low Condensing
R-22 HCFC	200/220	3	50	Low Temperature
R-407C HFC	208/230	3	60	Low Temp, Low Condensing
R-407C HFC	208/230	3	60	Low Temp, Low Condensing
R-407A HFC	208/230	3	60	Low Temp, Low Condensing

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-407A HFC	200/220	3	50	Low Temp, Low Condensing
R-407F HFC	208/230	3	60	Low Temp, Low Condensing
R-407F HFC	200/220	3	50	Low Temp, Low Condensing
R-448A HFO	208/230	3	60	Low Temp, Low Condensing
R-448A HFO	200/220	3	50	Low Temp, Low Condensing
R-449A HFO	208/230	3	60	Low Temp, Low Condensing
R-449A HFO	200/220	3	50	Low Temp, Low Condensing