

ZS33KAE-TF5

HCFC, R-22, 60 Hz, 3- Phase, 200/230 V

High Temp

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

Performance

Evap(°F)/Cond(°F)	45 / 130	20 / 120
RG(°F)/Liq(°F)	65.0 / 130.0	40.0 / 120.0
Capacity (Btu/hr)	49800	32300
Power (W):	4700	3760
Current (Amps):	15.55	13.15
EER (Btu/Wh):	10.60	8.60
Mass Flow (lbs/hr):	791	505
Sound Power (dBA):	76 Avg	81 Max
Vibration mils(peak-)	2.0 Avg	3.0 Max
Record Date:	2013-04-22	

Mechanical

Number of Cylinders:	0	Displacement(in ³ /Rev):	4.39
Bore Size(in):	0.00	Displacement(ft ³ /hr):	534.12
Stroke(in):	0.00		
Overall Length (in):	9.69	Mounting Length (in):	7.50
Overall Width (in):	9.69	Mounting Width (in):	7.50
Overall Height (in):	16.94	Mounting Height (in):	17.17 *
Suction Size (in),Type:	7/8 Stub		
Discharge Size (in),Type:	1/2 Stub		
Oil Recharge (oz):	34		
Initial Oil Charge (oz):	42		
Net Weight (lbs):	68		
Internal Free Volume (in ³):	193.0		
Horse Power:	4.5		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*(Amp):	114.0	MCC (Amps):	24.0	UL File No:	SA-2337
LRA-Half Winding		RPM:	3500	UL File Date:	17-Dec-2003
LRA Low* (Amp):		Max Operating Current	19.3		
RLA, MCC/1.4;use for contactor selection (Amp):			17.1		
RLA, MCC/1.56;use for breaker & wire size selection			15.4		
*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-134a HFC	50	3	200/220	High Temp
R-134a HFC	60	3	200/230	High Temp
R-404A HFC	50	3	200/220	Extended Medium Temp
R-404A HFC	60	3	200/230	Extended Medium Temp
R-404A HFC	50	3	200/220	Medium Temperature
R-404A HFC	60	3	200/230	Medium Temperature
R-507 HFC	50	3	200/220	Medium Temperature
R-507 HFC	60	3	200/230	Medium Temperature
R-507 HFC	60	3	200/230	Extended Medium Temp
R-507 HFC	50	3	200/220	Extended Medium Temp

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	50	3	200/220	High Temp
R-407C HFC	50	3	200/220	High Temp
R-407C HFC	60	3	200/230	High Temp
R-407A HFC	50	3	200/220	Extended Medium Temp
R-407A HFC	60	3	200/230	Extended Medium Temp
R-448A HFO	50	3	200/220	Medium Temperature
R-448A HFO	60	3	200/230	Medium Temperature
R-448A HFO	60	3	200/230	Extended Medium Temp
R-448A HFO	50	3	200/220	Extended Medium Temp
R-449A HFO	50	3	200/220	Medium Temperature
R-449A HFO	60	3	200/230	Medium Temperature
R-449A HFO	60	3	200/230	Extended Medium Temp
R-449A HFO	50	3	200/220	Extended Medium Temp