

ZS21KAE-TFD

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

Evaporator Temp. (°F)	45	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	40
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	36100	23400
Power (W):	3430	2740
Current (Amps):	5.65	4.80
EER (Btu/Wh):	10.55	8.55
Mass Flow (lbs/hr):	571	365
<u>Sound Data @</u>		
Sound Power (dBA):	76 Avg	81 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2012-12-13	

Electrical

LRA-High*(Amp):	48.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	9.0
Max Operating Current(Amp):	6.8
RLA, MCC/1.4;use for contactor selection (Amp):	6.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	5.8
RPM:	3500
UL File No:	SA-2337
UL File Date:	2003-12-17
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in^3/Rev):	3.11
Displacment(ft^3/hr):	377.71
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	16.94
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	17.17 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	34
Net Weight (lbs):	60.0
Internal Free Volume (in^3):	226.0
Horse Power:	3.20
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-134a HFC	380/420	3	50	High Temp
R-134a HFC	460	3	60	High Temp
R-404A HFC	380/420	3	50	Extended Medium Temp
R-404A HFC	460	3	60	Medium Temperature
R-404A HFC	380/420	3	50	Medium Temperature
R-404A HFC	460	3	60	Extended Medium Temp
R-507 HFC	380/420	3	50	Extended Medium Temp
R-507 HFC	380/420	3	50	Medium Temperature
R-507 HFC	460	3	60	Medium Temperature
R-507 HFC	460	3	60	Extended Medium Temp

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-22 HCFC	380/420	3	50	High Temp
R-407C HFC	380/420	3	50	High Temp
R-407C HFC	460	3	60	High Temp
R-407A HFC	460	3	60	Extended Medium Temp
R-407A HFC	380/420	3	50	Extended Medium Temp
R-448A HFO	460	3	60	Medium Temperature
R-448A HFO	460	3	60	Extended Medium Temp
R-448A HFO	380/420	3	50	Extended Medium Temp
R-448A HFO	380/420	3	50	Medium Temperature
R-449A HFO	460	3	60	Extended Medium Temp
R-449A HFO	380/420	3	50	Extended Medium Temp
R-449A HFO	380/420	3	50	Medium Temperature
R-449A HFO	460	3	60	Medium Temperature