ZS19KAE-TF5

HFC, R-404A, 50Hz, 3- Phase, 200/220 V
Medium Temperature

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)	20 / 120	45 / 130
RG(°F)/Liq(°F)	65.0 / 120.0	65.0 / 130.0
Capacity (Btu/hr)	14200	20300
Power (Watts):	2120	2370
Current (Amps):	7.95	8.75
EER (Btu/Wh):	6.70	8.60
Mass Flow (lbs/hr):	298	498
Sound Power (dBA):	70 Avg	75 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2014-06-19	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	2.36
Bore Size(in):	0.00	Displ(ft^3/hr):	237.74
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):	15.72	Mounting Height (in):	16.00 *

Suction Size (in):	3/4 Stub
Discharge Size (in):	1/2 Stub
Oil Recharge (oz):	19
Initial Oil Charge (oz):	25
Net Weight (lbs):	49.6
Internal Free Volume (in^3):	118.0
Horse Power:	2.5

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

Electrical

LRA-High*:	73.0	MCC (Amps):	19.2	UL File No:	SA-2337
LRA-Half Winding:		RPM:	2900	UL File Date:	16-Dec-2005
LRA Low*:		Max Operating Current:	10.8		

RLA(=MCC/1.4;use for contactor selection): 13.7

RLA(=MCC/1.56;use for breaker & wire size selection): 12.3

*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-22 HCFC	50	3	200/220	High Temp
R-134a HFC	50	3	200/220	High Temp
R-404A HFC	50	3	200/220	Extended Medium Temp
R-507 HFC	50	3	200/220	Medium Temperature
R-407C HFC	50	3	200/220	High Temp
R-407A HFC	50	3	200/220	Extended Medium Temp
R-448A HFO	50	3	200/220	Medium Temperature
R-449A HFO	50	3	200/220	Medium Temperature
R-22 HCFC	60	3	200/230	High Temp
R-134a HFC	60	3	200/230	High Temp

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Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-404A HFC	60	3	200/230	Extended Medium Temp
R-507 HFC	60	3	200/230	Extended Medium Temp
R-407C HFC	60	3	200/230	High Temp
R-407A HFC	60	3	200/230	Extended Medium Temp
R-448A HFO	60	3	200/230	Medium Temperature
R-449A HFO	60	3	200/230	Medium Temperature
R-507 HFC	50	3	200/220	Extended Medium Temp
R-404A HFC	60	3	200/230	Medium Temperature
R-507 HFC	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
R-448A HFO	60	3	200/230	Extended Medium Temp
R-448A HFO	50	3	200/220	Extended Medium Temp

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