

# ZS21KAE-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)	19050	27300
Power (Watts):	2800	3130
Current (Amps):	10.45	11.55
EER (Btu/Wh):	6.80	8.70
Mass Flow (lbs/hr):	401	670
Sound Power (dBA):	76 Avg	81 Max
Vibration (mils(peak-peak)):	2.5 Avg	4.0 Max
Record Date:	2014-06-19	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	3.11
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	312.96
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):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		34	
Initial Oil Charge (oz):		42	
Net Weight (lbs):		64.9	
Internal Free Volume (in <sup>3</sup> ):		226.0	
Horse Power:		3.2	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	99.0	MCC (Amps):	21.3	UL File No:	SA-2337
LRA-Half Winding:		RPM:	2900	UL File Date:	17-Dec-2003
LRA Low*:		Max Operating Current:	14.0		
RLA(=MCC/1.4;use for contactor selection):		15.2			
RLA(=MCC/1.56;use for breaker & wire size selection):		13.7			
*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-404A HFC	60	3	200/230	Medium Temperature
R-507 HFC	50	3	200/220	Extended Medium Temp
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-22 HCFC	60	3	200/230	High Temp
R-134a HFC	60	3	200/230	High Temp

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-404A HFC	60	3	200/230	Extended Medium Temp
R-507 HFC	60	3	200/230	Medium Temperature
R-407C HFC	60	3	200/230	High Temp
R-407A HFC	60	3	200/230	Extended Medium Temp
R-507 HFC	60	3	200/230	Extended Medium Temp