

# ZF33K4E-TWC

Replacement: ZF34K5E-TFC



HFC, R-134a, 60Hz, 3- Phase, 208/230 V  
High Temp

**Production Status:** This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. 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	65.0 / 120.0
Capacity (Btu/hr)	76500	48800
Power (Watts):	8350	6600
Current (Amps):	27.70	23.90
EER (Btu/Wh):	9.20	7.40
Mass Flow (lbs/hr):	1340	775
Sound Power (dBA):	86 Avg	91 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2005-05-03	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	10.10
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1226.83
Stroke(in):	0.00		
Overall Length (in):	12.44	Mounting Length (in):	8.65
Overall Width (in):	14.50	Mounting Width (in):	8.65
Overall Height (in):	21.34	Mounting Height (in):	22.09 *
Suction Size (in):	1 3/4 Rotalock		
Discharge Size (in):	1 1/4 Rotalock		
Oil Recharge (oz):	137		
Initial Oil Charge (oz):	140		
Net Weight (lbs):	221		
Internal Free Volume (in <sup>3</sup> ):	1037.0		
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	278.0	MCC (Amps):	51.4	UL File No:	SA-9747
LRA-Half Winding:		RPM:	3500	UL File Date:	12-Jul-1994
LRA Low*:		Max Operating Current:	49.3		
RLA(=MCC/1.4;use for contactor selection):	36.7				
RLA(=MCC/1.56;use for breaker & wire size selection):	32.9				
*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	Medium Temp, Liquid Injected
R-22 HCFC	50	3	200	Low Temp, Liquid Injected
R-134a HFC	50	3	200	High Temp
R-134a HFC	50	3	200	Medium Temp, Liquid Injected
R-134a HFC	50	3	200	Low Temp, Liquid Injected
R-404A HFC	50	3	200	Medium Temp, Liquid Injected
R-404A HFC	50	3	200	Low Temp, Low Condensing
R-507 HFC	50	3	200	Medium Temp, Liquid Injected
R-507 HFC	50	3	200	Low Temp, Low Condensing
R-22 HCFC	60	3	208/230	Medium Temp, Liquid Injected

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	60	3	208/230	Low Temp, Liquid Injected
R-134a HFC	60	3	208/230	Medium Temp, Liquid Injected
R-134a HFC	60	3	208/230	Low Temp, Liquid Injected
R-404A HFC	60	3	208/230	Medium Temp, Liquid Injected
R-404A HFC	60	3	208/230	Low Temp, Low Condensing
R-507 HFC	60	3	208/230	Medium Temp, Liquid Injected
R-507 HFC	60	3	208/230	Low Temp, Liquid Injected
R-404A HFC	50	3	200	Low Temp, Liquid Injected
R-507 HFC	50	3	200	Low Temp, Liquid Injected
R-404A HFC	60	3	208/230	Low Temp, Liquid Injected