

ZF33KVE-TWE

HFC, R-507, 60 Hz, 3 - Phase, 575 V

Medium Temp, Economized

**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			Mechanical	
Evaporator Temp. (°F)	20.00	0	Displacement (in <sup>3</sup> /Rev):	10.10
Condensing Temp. (°F)	120.00	110	Displacement (ft <sup>3</sup> /Hr):	
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	12.44
Liquid Temp. (°F)	120.00	110	Overall Width (in):	14.50
Capacity (BTU/hr)	106000	77000	Overall Height (in):	21.34
Power (W):	12400	10200	Mounting Length (in):	8.65
Current (Amps):	15.05	12.9	Mounting Width (in):	8.65
EER(BTU/Wh):	8.6	7.6	Mounting Height (in):	22.09
Mass Flow (lbs/hr):	1580	1020	Suction Size (in),Type:	1 3 / 4 Rotalock
Sound Data @			Discharge Size (in),Type:	1 1 / 4 Rotalock
Sound Power (dBA):	86 Avg	91 Max	Initial Oil Charge (oz):	140
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	137
Record Date:	2008-03-03		Oil Type:	POE
			Net Weight (lbs):	221.0
			Internal Free Volume (in <sup>3</sup> ):	1037.0
			Horse Power:	10.0
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
LRA High* (Amps):	100	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):		No data available in table					
LRA Half Winding (Amps):							
MCC (Amps):	22.5						
Max Operating Current (Amps):	17.9						
RLA, MCC/1.4(use for contactor selection)(Amps):	16.1						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	14.4						
RPM:	3500						
Box IP :	54						
UL File No:	SA-9747						
UL File Date:	1994-07-12						

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

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**Alternate Applications**

<b>Refrigerant</b>	<b>Voltage</b>	<b>Phase</b>	<b>Frequency</b>	<b>Application</b>
R-404A HFC	575	3	60	Medium Temp, Economized
R-404A HFC	575	3	60	Low Temp, Economized
R-407A HFC	575	3	60	Medium Temp, Economized
R-407A HFC	575	3	60	Low Temp, Economized
R-507 HFC	575	3	60	Low Temp, Economized