

ZF33KVE-TWE

HFC, R-404A, 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 ³ /Rev):	10.10
Condensing Temp. (°F)	120.00	110	Displacement (ft ³ /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)	109000	77500	Overall Height (in):	21.34
Power (W):	12100	10000	Mounting Length (in):	8.65
Current (Amps):	14.8	12.65	Mounting Width (in):	8.65
EER(BTU/Wh):	9	7.8	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 ³):	1037.0
			Horse Power:	10.0
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
		Type	Part No	Low MFD	High MFD	Volts	User Description
LRA High* (Amps):	100	No data available in table					
LRA Low*(Amps):							
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-2337						
UL File Date:	2014-03-21						

European Pressure Equipment Directive (PED):

Fluid Group**:	FG 2
PS Low / High Side (BAR):	22.6 / 32.0
TS Min (°C):	-35 / -35
TS Max (°C):	50 / 150

Volume (L) :

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

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
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	Medium Temp, Economized
R-507 HFC	575	3	60	Low Temp, Economized