

ZP90KCE-TFD

HFC, R-410A, 60Hz, 3- Phase, 460 V

Air Conditioning



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)	<u>45 / 130</u>	<u>45 / 100</u>
RG(°F)/Liq(°F)	<u>65 / 115</u>	<u>65 / 85</u>
Capacity (Btu/hr)	90500	111000
Power (Watts):	8350	5950
Current (Amps):	12.50	9.80
EER (Btu/Wh):	10.80	18.60
Mass Flow (lbs/hr):	1340	1370
Sound Power (dBA):	77 Avg	79 Max
Vibration (mils(peak- Record Date:	2.5 Avg 2010-07-09	4.0 Max

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	5.14
Bore Size(in):	0.00	Displ(ft ³ /hr):	624.05
Stroke(in):	0.00		
Overall Length (in):	10.38	Mounting Length (in):	7.50
Overall Width (in):	11.23	Mounting Width (in):	7.50
Overall Height (in):	18.75	Mounting Height (in):	19.50 *
Suction Size (in):		1 1/8 Stub	
Discharge Size (in):		22/25 Stub	
Oil Recharge (oz):		81	
Initial Oil Charge (oz):		85	
Net Weight (lbs):		127	
Internal Free Volume (in ³):		639.0	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	95.0	MCC (Amps):	23.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	16.0		
RLA(=MCC/1.4;use for contactor selection):			16.4		
RLA(=MCC/1.56;use for breaker & wire size)			14.7		
*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-410A HFC	50	3	380/420	Air Conditioning