

ZP90KCE-TFD

HFC, R-410A, 60 Hz, 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

Evaporator Temp. (°F)	45	35
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	105
Capacity (Btu/hr)	90500	80100
Power (W):	8370	7440
Current (Amps):	12.95	11.85
EER (Btu/Wh):	10.80	10.75
Mass Flow (lbs/hr):	1335	1120
<u>Sound Data @</u>		
Sound Power (dBA):	77 Avg	82 Max
Vibration mils(peak-peak):	2.5 Avg	4.0 Max
Record Date:	2016-10-22	

Mechanical

Displacment(in ³ /Rev):	5.14
Displacment(ft ³ /hr):	624.05
Overall Length (in):	10.38
Overall Width (in):	11.23
Overall Height (in):	18.75
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	19.50 *
Suction Size (in),Type:	1 1/8 Stub
Discharge Size (in),Type:	7/8 Stub
Initial Oil Charge (oz):	85
Oil Recharge (oz):	81
Net Weight (lbs):	127.0
Internal Free Volume (in ³):	639.0
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical

LRA-High*(Amp):	95.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	23.0
Max Operating Current(Amp):	16.0
RLA, MCC/1.4;use for contactor selection (Amp):	16.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	14.7
RPM:	3500
UL File No:	SA-2337
UL File Date:	1996-09-27
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Capacitors

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-410A HFC	380/420	3	50	Air Conditioning