

# ZP91KCE-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	80400
Power (W):	8230	7280
Current (Amps):	12.55	11.45
EER (Btu/Wh):	11.00	11.05
Mass Flow (lbs/hr):	1335	1120
<u>Sound Data @</u>		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.5 Avg	3.5 Max
Record Date:	2011-03-30	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	5.16
Displacment(ft <sup>3</sup> /hr):	627.57
Overall Length (in):	9.57
Overall Width (in):	9.77
Overall Height (in):	17.45
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	18.20 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	3/4 Stub
Initial Oil Charge (oz):	60
Oil Recharge (oz):	56
Net Weight (lbs):	90.0
Internal Free Volume (in <sup>3</sup> ):	264.5
Horse Power:	

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

LRA-High*(Amp):	100.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	20.0
Max Operating Current(Amp):	16.2
RLA, MCC/1.4;use for contactor selection (Amp):	14.3
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	12.8
RPM:	3500
UL File No:	
UL File Date:	1993-07-26

\*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
R-410A HFC	380/420	3	50	Air Conditioning (400v)