

ZP83KCE-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	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	83000	101000
Power (W):	7650	5450
Current (Amps):	11.80	9.40
EER (Btu/Wh):	10.80	18.50
Mass Flow (lbs/hr):	1220	1250
<u>Sound Data @</u>		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.5 Avg	3.5 Max
Record Date:	2004-05-10	

Mechanical

Displacment(in ³ /Rev):	4.71
Displacment(ft ³ /hr):	572.40
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	17.91
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	18.16 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	60
Oil Recharge (oz):	56
Net Weight (lbs):	87.0
Internal Free Volume (in ³):	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):	19.0
Max Operating Current(Amp):	15.0
RLA, MCC/1.4;use for contactor selection (Amp):	13.6
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	12.2
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