ZP83KCE-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)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	83000	101000
Power (Watts):	7650	5450
Current (Amps):	11.80	9.40
EER (Btu/Wh):	10.80	18.50
Mass Flow (lbs/hr):	1220	1250
Sound Power (dBA):	75 Avg	80 Max
Vibration (mils(peak-	2.5 Avg	3.5 Max
Record Date:	2004-05-10	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	4.71
Bore Size(in):	0.00	Displ(ft^3/hr):	572.40
Stroke(in):	0.00		
Overall Length (in):	9.69	Mounting Length (in):	7.50
Overall Width (in):	9.69	Mounting Width (in):	7.50
Overall Height (in):	17.91	Mounting Height (in):	18.16 *

Suction Size (in):	7/8 Stub
Discharge Size (in):	1/2 Stub
Oil Recharge (oz):	56
Initial Oil Charge (oz):	60
Net Weight (lbs):	87
Internal Free Volume (in^3):	264.5
Horse Power:	

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

Electrical

LRA-High*:	100.0	MCC (Amps):	19.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Jul-1993
LRA Low*:		Max Operating Current:	15.0		
RLA(=MCC/1.4;use for contactor selection):		13.6			
RLA(=MCC/1.56;use for breaker & wire size		12.2			

*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

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