

ZP120KCE-TFD

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

Air Conditioning

COPELAND™

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)	123000	109000
Power (W):	11100	9760
Current (Amps):	16.40	14.90
EER (Btu/Wh):	11.10	11.20
Mass Flow (lbs/hr):	1815	1525
<u>Sound Data</u>		
Sound Power (dBA):	79 Avg	84 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2019-11-15	

Electrical

LRA-High*(Amp):	125.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	28.0
Max Operating Current(Amp):	22.0
RLA, MCC/1.4;use for contactor selection (Amp):	20.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	17.9
RPM:	3500
Box IP	21
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.	

Mechanical

Displacment	6.93
Displacment(ft^3/hr):	
Overall Length (in):	10.38
Overall Width (in):	11.23
Overall Height (in):	21.00
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	21.75 *
Suction Size (in),Type:	1 3/8 Stub
Discharge Size (in),Type:	7/8 Stub
Initial Oil Charge (oz):	110
Oil Recharge (oz):	106
Net Weight (lbs):	135.0
Internal Free Volume (in^3):	809.0
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

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