

ZR40K3-TFD

HCFC, R-22, 50 Hz, 3 -Phase, 380/420 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	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	33300	39400
Power (W):	2970	1990
Current (Amps):	5.30	4.10
EER (Btu/Wh):	11.20	19.80
Mass Flow (lbs/hr):	487	510
<u>Sound Data</u>		
Sound Power (dBA):	68 Avg	73 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2001-09-14	

Electrical

LRA-High*(Amp):	46.0
LRA Low* (Amp):	41.0
LRA-Half Winding (Amp):	
MCC (Amps):	9.0
Max Operating Current(Amp):	7.0
RLA, MCC/1.4;use for contactor selection (Amp):	6.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	5.8
RPM:	2900
Box IP	21
UL File No:	
UL File Date:	1994-06-14
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment	3.31
Displacment(ft^3/hr):	
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	15.73
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	15.97 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	38
Net Weight (lbs):	62.0
Internal Free Volume (in^3):	191.0
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-22 HCFC	460	3	60	Air Conditioning

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