

ZR42K3-TFD



HCFC, R-22, Mid Point, 50 Hz, 3 - Phase, 380/420 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)	65/115	65/85
Capacity (Btu/hr):	35000	41500
Power (Watts):	3110	2080
Current (Amps):	5.5	4.3
EER (Btu/Wh):	11.3	20.0
Mass Flow (lbs/hr):	510.0	535.0
Sound Power(dBA):	68 Ave	73 Max
Vibration (mils(peak-peak)):	2.0 Ave	3.0 Max
Record Date:	2001-09-14	

Mechanical

Number of Cylinders:	0	Displ (in ³ /Rev):	3.488
Bore Size (in):	0.0	Displ (ft ³ /hr):	351.2206
Stroke (in):	0.0		
Overall Length (in):	9.567	Mounting Length (in):	7.5
Overall Width (in):	9.567	Mounting Width(in):	7.5
Overall Height (in):	15.729	Mounting Height (in):	15.965*
Suction Size (in):	3/4 Stub		
Discharge Size (in):	1/2 Stub		
Initial Oil Charge (oz):	42		
Oil Recharge (oz):	38		
Net Weight (lbs):	62.1		
Internal Free Volume (in ³):	191.0		
HorsePower	3.5		
* Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	46.0	MCC (Amps):	10.0	UL File No.:	SA-2337
LRA-Half Winding:		RPM:	2900	UL File Date:	14-Jun-1994
LRA-Low*:	41.0	Max Operating Current:	6.9	CSA File No.:	LR3104C
RLA(=MCC/1.4; use for contactor selection):	7.1				
RLA (=MCC/1.56; use for breaker & wire size selection):	6.4				
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

Refrigerant	Frequency(Hz)	Phase	Voltage	Application
R-22 HCFC	60	3	460	Air Conditioning