

ZR90K3-TWD



HCFC, R-22, Mid Point, 50 Hz, 3 - Phase, 380/420 V

Air Conditioning

Production Status: Service Replacement Model

Performance

Evap(°F)/Cond(°F)	45/130	45/100
RG(°F)/Liq(°F)	65/115	65/85
Capacity (Btu/hr):	73500	86000
Power (Watts):	6600	4740
Current (Amps):	12.5	10.5
EER (Btu/Wh):	11.1	18.2
Mass Flow (lbs/hr):	1080.0	1110.0
Sound Power(dBA):	77 Ave	82 Max
Vibration (mils(peak-peak)):	2.5 Ave	3.5 Max
Record Date:	2007-12-04	

Mechanical

Number of Cylinders:	0	Displ (in ³ /Rev):	7.319
Bore Size (in):	0.0	Displ (ft ³ /hr):	736.9793
Stroke (in):	0.0		
Overall Length (in):	12.57	Mounting Length (in):	8.65
Overall Width (in):	14.06	Mounting Width(in):	8.65
Overall Height (in):	21.17	Mounting Height (in):	21.4*
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Initial Oil Charge (oz):	140		
Oil Recharge (oz):	137		
Net Weight (lbs):	207.0		
Internal Free Volume (in ³):	1037.0		
HorsePower			
* Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	99	MCC (Amps):	19.5	UL File No.:	SA-9747
LRA-Half Winding:		RPM:	2900	UL File Date:	12-Jul-1994
LRA-Low*:	89	Max Operating Current:	14.6	CSA File No.:	LR101508
RLA(=MCC/1.4; use for contactor selection):	13.9				
RLA (=MCC/1.56; use for breaker & wire size selection):	12.5				
*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