

2DC3R53K0-CFB

CFC, R-502, 60Hz, 1- Phase, 230 V
Medium Temperature



Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evap(°F)/Cond(°F)	20 / 120	0 / 110
RG(°F)/Liq(°F)	65.0 / 120.0	65.0 / 110.0
Capacity (Btu/hr)	33600	21800
Power (Watts):	4400	3450
Current (Amps):	19.30	15.20
EER (Btu/Wh):	7.60	6.30
Mass Flow (lbs/hr):	755	449
Sound Power (dBA):		
Vibration (mils(peak-peak)):		4.56 Max
Record Date:	2005-10-27	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	11.78
Bore Size(in):	2.50	Displ(ft ³ /hr):	715.84
Stroke(in):	1.20		
Overall Length (in):	23.63	Mounting Length (in):	11.62
Overall Width (in):	15.37	Mounting Width (in):	11.00
Overall Height (in):	18.55	Mounting Height (in):	20.05 *
Suction Size (in):		1 3/8 Sweat	
Discharge Size (in):		7/8 Sweat	
Oil Recharge (oz):		72	
Initial Oil Charge (oz):		80	
Net Weight (lbs):		325	
Internal Free Volume (in ³):			
Horse Power:		3.5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	125.0	MCC (Amps):	38.9	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	13-Jul-1988
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		27.8			
RLA(=MCC/1.56;use for breaker & wire size selection):		24.9			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0006-14	216.0	259.0	330	
Run Capacitor	014-0064-18	60.0	0.0	440	

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	60	1	230	
R-22 HCFC	60	1	230	