NRD1-0310-TFC

CFC, R-12, 60Hz, 3- Phase, 208/230 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)	23500	15400
Power (Watts):	3310	2550
Current (Amps):	10.40	8.50
EER (Btu/Wh):	7.10	6.00
Mass Flow (lbs/hr):	468	290
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2006-08-02	

Mechanical

Number of Cylinders:	2	Displ(in^3/Rev):	13.43
Bore Size(in):	2.44	Displ(ft^3/hr):	815.79
Stroke(in):	1.44		
Overall Length (in):	21.06	Mounting Length (in):	11.63
Overall Width (in):	13.00	Mounting Width (in):	11.00
Overall Height (in):	15.19	Mounting Height (in):	16.22 *

Suction Size (in):	1 1/8 Sweat
Discharge Size (in):	5/8 Flare
Oil Recharge (oz):	65
Initial Oil Charge (oz):	70
Net Weight (lbs):	213
Internal Free Volume (in^3):	
Horse Power:	

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA-High*:	82.0	MCC (Amps):	18.0	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Apr-1972
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		12.9			
RLA(=MCC/1.56;use for breaker & wire size selection):		11.5			

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-12 CFC	60	3	200/220	Medium Temperature
R-12 CFC	50	3	200/220	Low Temperature
R-502 CFC	60	3	200/220	Low Temperature
R-12 CFC	60	3	208/230	Low Temperature
R-502 CFC	60	3	208/230	Low Temperature
R-12 CFC	50	3	200/220	
R-502 CFC	50	3	200/220	