NRD1-032E-TFC

Copeland® brand products

HFC, R-404A, 60Hz, 3- Phase, 208/230 V
Low 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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	14300	7650
Power (Watts):	3470	2390
Current (Amps):	11.40	9.10
EER (Btu/Wh):	4.10	3.20
Mass Flow (lbs/hr):	255	136
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	1994-08-03	

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):	22.8	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Apr-1972
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		16.3			
RLA(=MCC/1.56;use for breaker & wire size selection):		14.6			

*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-134a HFC	50	3	200/220	
R-134a HFC	50	3	200/220	
R-404A HFC	50	3	200/220	Low Temperature
R-507 HFC	50	3	200/220	Low Temperature
R-134a HFC	60	3	208/230	
R-134a HFC	60	3	208/230	
R-507 HFC	60	3	208/230	Low Temperature