

NRB2-040E-TFC

HFC, R-404A, 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)	29900	19900
Power (Watts):	4780	3690
Current (Amps):	15.80	13.40
EER (Btu/Wh):	6.30	5.40
Mass Flow (lbs/hr):	630	377
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2006-03-13	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	11.44
Bore Size(in):	2.25	Displ(ft ³ /hr):	694.83
Stroke(in):	1.44		
Overall Length (in):	20.19	Mounting Length (in):	11.63
Overall Width (in):	13.00	Mounting Width (in):	11.00
Overall Height (in):	15.34	Mounting Height (in):	16.38 *
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):	232		
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	141.0	MCC (Amps):	30.6	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):			21.9		
RLA(=MCC/1.56;use for breaker & wire size selection):			19.6		
*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-404A HFC	50	3	200/220	Medium Temperature
R-507 HFC	50	3	200/220	
R-507 HFC	60	3	208/230	