

NRB2-040E-TFC

HFC, R-404A, 60 Hz, 3 - Phase, 208/230 V . [Also Available with Variable Frequency Drives](#)

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			Mechanical					
Evaporator Temp. (°F)	20.00	0	Displacement (in ³ /Rev):	11.44				
Condensing Temp. (°F)	120.00	110	Displacement (ft ³ /Hr):					
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	20.19				
Liquid Temp. (°F)	120.00	110	Overall Width (in):	13.00				
Capacity (BTU/hr)	29900	19900	Overall Height (in):	15.34				
Power (W):	4780	3690	Mounting Length (in):	11.63				
Current (Amps):	15.8	13.4	Mounting Width (in):	11.00				
EER(BTU/Wh):	6.3	5.4	Mounting Height (in):	16.38				
Mass Flow (lbs/hr):	630	377	Suction Size (in),Type:	1 1 / 8 Sweat				
Sound Data @			Discharge Size (in),Type:	5 / 8 Flare				
Sound Power (dBA):	0 Avg	0 Max	Initial Oil Charge (oz):	70				
Vibration mils(peak-peak):	0.0 Avg	0.0 Max	Oil Recharge (oz):	65				
Record Date:	2006-03-13		Oil Type:	POE				
			Net Weight (lbs):	232.0				
			Internal Free Volume (in ³):					
			Horse Power:					
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.					
Electrical			Capacitors					
LRA High* (Amps):	141.0		Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):			No data available in table					
LRA Half Winding (Amps):								
MCC (Amps):	30.6							
Max Operating Current (Amps):								
RLA, MCC/1.4(use for contactor selection)(Amps):	21.9							
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	19.6							
RPM:								
Box IP :								
UL File No:	SA-2337							
UL File Date:	1972-04-26							

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

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-404A HFC	200/220	3	50	Medium Temperature