

3RA1-031A-TAC

HCFC, R-22, 60 Hz, 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

Evaporator Temp. (°F)	20	0
Condensing Temp. (°F)	120	110
Return Gas Temp. (°F)	65	50
Liquid Temp. (°F)	120	95
Capacity (Btu/hr)	25800	16500
Power (W):	3830	2870
Current (Amps):	14.30	10.90
EER (Btu/Wh):	6.70	5.80
Mass Flow (lbs/hr):	377	228
Sound Data @		
Sound Power (dBA):		
Vibration mils(peak-peak):		
Record Date:	2006-10-26	

Mechanical

Displacement(in ³ /Rev):	10.34
Displacement(ft ³ /hr):	628.28
Overall Length (in):	18.00
Overall Width (in):	13.00
Overall Height (in):	12.78
Mounting Length (in):	11.63
Mounting Width (in):	11.00
Mounting Height (in):	13.81 *
Suction Size (in),Type:	1 1/8 Sweat
Discharge Size (in),Type:	5/8 Flare
Initial Oil Charge (oz):	70
Oil Recharge (oz):	65
Net Weight (lbs):	197.0
Internal Free Volume (in ³):	
Horse Power:	

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

Electrical

LRA-High*(Amp):	82.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	19.4
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	13.9
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	12.4
RPM:	
UL File No:	SA-2337
UL File Date:	1984-09-10

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

Capacitors

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-22 HCFC	200/220	3	50	Medium Temperature
R-502 CFC	200/220	3	50	Medium Temperature
R-502 CFC	208/230	3	60	Medium Temperature