

# 9RC1-101A-TFD

HCFC, R-22, 60 Hz, 3 -Phase, 460 V  
High Temp



**Production Status:** Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

## Performance

Evaporator Temp. (°F)	45	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	120000	76000
Power (W):	12500	9450
Current (Amps):	20.70	16.40
EER (Btu/Wh):	9.60	8.10
Mass Flow (lbs/hr):	1900	1110
<u>Sound Data @</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2006-12-21	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	26.58
Displacment(ft <sup>3</sup> /hr):	1615.11
Overall Length (in):	26.81
Overall Width (in):	14.00
Overall Height (in):	17.88
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	18.88 *
Suction Size (in),Type:	1 3/8 Sweat
Discharge Size (in),Type:	1 1/8 Sweat
Initial Oil Charge (oz):	115
Oil Recharge (oz):	105
Net Weight (lbs):	313.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

## Electrical

LRA-High*(Amp):	110.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	28.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	20.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	17.9
RPM:	
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.	

## Capacitors

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-22 HCFC	380/400	3	50	High Temp
R-502 CFC	380/400	3	50	Medium Temperature