

# 4RJ1-300A-FSD

HCFC, R-22, 50Hz, 3- Phase, 380/420 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

Evap(°F)/Cond(°F)	45 / 130	20 / 120
RG(°F)/Liq(°F)	65.0 / 130.0	65.0 / 120.0
Capacity (Btu/hr)	225000	142000
Power (Watts):	24000	17900
Current (Amps):	56.90	45.70
EER (Btu/Wh):	9.40	8.00
Mass Flow (lbs/hr):	3550	2080
Sound Power (dBA):		
Vibration (mils(peak-peak)):		
Record Date:	2006-11-03	

## Mechanical

Number of Cylinders:	4	Displ(in <sup>3</sup> /Rev):	59.33
Bore Size(in):	2.94	Displ(ft <sup>3</sup> /hr):	2987.20
Stroke(in):	2.19		
Overall Length (in):	27.16	Mounting Length (in):	15.00
Overall Width (in):	19.81	Mounting Width (in):	12.00
Overall Height (in):	17.97	Mounting Height (in):	19.16 *
Suction Size (in):		2 1/8 Sweat	
Discharge Size (in):		1 3/8 Sweat	
Oil Recharge (oz):		125	
Initial Oil Charge (oz):		135	
Net Weight (lbs):		533	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	200.0	MCC (Amps):	82.6	UL File No:	SA-2337
LRA-Half Winding:	121.0	RPM:	2900	UL File Date:	07-Apr-1971
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		59			
RLA(=MCC/1.56;use for breaker & wire size selection):		52.9			
*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-22 HCFC	60	3	460	High Temp
R-22 HCFC	60	3	460	UL Medium Temp
R-502 CFC	60	3	460	Medium Temperature
R-22 HCFC	50	3	380/420	UL Medium Temp