

# 8DS1R67M0-FSD

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

Air Conditioning



**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	35
Condensing Temp. (°F)	130	105
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	90
Capacity (Btu/hr)	644000	637000
Power (W):	63400	51100
Current (Amps):	99.90	83.90
EER (Btu/Wh):	10.20	12.50
Mass Flow (lbs/hr):	9450	8450
<u>Sound Data @</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2006-08-22	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	126.42
Displacment(ft <sup>3</sup> /hr):	7681.73
Overall Length (in):	32.81
Overall Width (in):	21.41
Overall Height (in):	22.97
Mounting Length (in):	18.00
Mounting Width (in):	12.00
Mounting Height (in):	24.66 *
Suction Size (in),Type:	3 1/8 Sweat
Discharge Size (in),Type:	1 5/8 Sweat
Initial Oil Charge (oz):	260
Oil Recharge (oz):	250
Net Weight (lbs):	880.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	

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

## Electrical

LRA-High*(Amp):	510.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	330.0
MCC (Amps):	135.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	96.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	86.5
RPM:	
UL File No:	SA-2337
UL File Date:	1982-10-01

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

## Capacitors

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-22 HCFC	380/420	3	50	Air Conditioning
R-502 CFC	460	3	60	Medium Temperature
R-502 CFC	380/420	3	50	Medium Temperature