

ARE27C3E-SAA

HFC, R-134a, 60Hz, 1- Phase, 115 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)	2730	1580
Power (Watts):	463	330
Current (Amps):	5.10	4.10
EER (Btu/Wh):	5.90	4.80
Mass Flow (lbs/hr):	47	25
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	1999-07-08	

Mechanical

Number of Cylinders:	1	Displ(in ³ /Rev):	0.54
Bore Size(in):	1.04	Displ(ft ³ /hr):	65.10
Stroke(in):	0.63		
Overall Length (in):	10.50	Mounting Length (in):	6.50
Overall Width (in):	6.40	Mounting Width (in):	4.00
Overall Height (in):	7.40	Mounting Height (in):	7.80 *
Suction Size (in):	5/16 Stub		
Discharge Size (in):	1/4 Stub		
Oil Recharge (oz):	10		
Initial Oil Charge (oz):	12		
Net Weight (lbs):	25		
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	31.00	MCC (Amps):	7.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	03-Mar-1999
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):			5		
RLA(=MCC/1.56;use for breaker & wire size selection):			4.5		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
--------------------	------------------	--------------	----------------	--------------------