

ARE25C5E-IAA

HFO, R-450A, 60 Hz, 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			Mechanical			
Evaporator Temp. (°F)	45.00	20	Displacement (in ³ /Rev):	.44		
Condensing Temp. (°F)	130.00	120	Displacement (ft ³ /Hr):			
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	10.50		
Liquid Temp. (°F)	130.00	120	Overall Width (in):	6.40		
Capacity (BTU/hr)	2530	1515	Overall Height (in):	7.40		
Power (W):	309	226	Mounting Length (in):	6.50		
Current (Amps):	3.6	2.95	Mounting Width (in):	4.00		
EER(BTU/Wh):	8.2	6.7	Mounting Height (in):	7.78		
Mass Flow (lbs/hr):	42.1	23.3	Suction Size (in),Type:	5 / 16 Stub		
Sound Data @			Discharge Size (in),Type:	1 / 4 Stub		
Sound Power (dBA):	0 Avg	0 Max	Initial Oil Charge (oz):	12		
Vibration mils(peak-peak):	0.0 Avg	0.0 Max	Oil Recharge (oz):	10		
Record Date:	2017-06-29		Oil Type:	POE		
			Net Weight (lbs):	22.0		
			Internal Free Volume (in ³):			
			Horse Power:			
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical		Capacitors				
		Type	Part No	Low MFD	High MFD	Volt s User Description
LRA High* (Amps):	25					
LRA Low*(Amps):		Start Capacitor	014-0053-35	189.0	227.0	165
LRA Half Winding (Amps):						
MCC (Amps):	6					
Max Operating Current (Amps):						
RLA, MCC/1.4(use for contactor selection)(Amps):	4.3					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	3.8					
RPM:						
Box IP :						
UL File No:						
UL File Date:						

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

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
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R-134a HFC	115	1	60	High Temp
R-513A HFO	115	1	60	High Temp
