

EAV1-0200-TAD

CFC, R-502, 60Hz, 3- Phase, 460 V

Low Temperature



Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evap(°F)/Cond(°F)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	8090	4870
Power (Watts):	1690	1220
Current (Amps):	3.10	2.80
EER (Btu/Wh):	4.80	4.00
Mass Flow (lbs/hr):	159	96
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2006-09-08	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	7.26
Bore Size(in):	2.00	Displ(ft ³ /hr):	441.34
Stroke(in):	1.16		
Overall Length (in):	16.69	Mounting Length (in):	10.06
Overall Width (in):	12.00	Mounting Width (in):	10.50
Overall Height (in):	12.78	Mounting Height (in):	13.81 *
Suction Size (in):		7/8 Sweat	
Discharge Size (in):		1/2 Flare	
Oil Recharge (oz):		55	
Initial Oil Charge (oz):		60	
Net Weight (lbs):		153	
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	23.0	MCC (Amps):	4.9	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	10-Sep-1984
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		3.5			
RLA(=MCC/1.56;use for breaker & wire size selection):		3.1			
*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-12 CFC	60	3	460	High Temp
R-12 CFC	60	3	460	Medium Temperature
R-12 CFC	60	3	460	
R-502 CFC	60	3	460	
R-12 CFC	50	3	380/400	High Temp
R-12 CFC	50	3	380/400	Medium Temperature
R-502 CFC	50	3	380/400	Low Temperature