

# CRP5-0450-TFD

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

Evap(°C)/Cond(°C)	<u>7.2 / 54.4</u>	<u>7.2 / 37.8</u>
RG(°C)/Liq(°C)	<u>18.3 / 46.1</u>	<u>18.3 / 29.4</u>
Capacity (Watts)	14000	17700
Power (Watts):	4600	3650
Current (Amps):	8.90	7.30
EER (COP):	3.05	4.84
Mass Flow (g/s):	88	98
Sound Power (dBA):	9 Avg	10 Max
Vibration (mm(peak- Vibration (mm(peak-))	0.066 Avg	0.091 Max
Record Date:	1997-09-12	

## Mechanical

Number of Cylinders:	2	Displ(cm <sup>3</sup> /Rev):	94.00
Bore Size(mm):	49.78	Displ(meters <sup>3</sup> /hr):	16.59
Stroke(mm):	24.49		
Overall Length (mm):	289.0	Mounting Length (mm):	190.50
Overall Width (mm):	238.1	Mounting Width (mm):	190.50
Overall Height (mm):	403.3	Mounting Height (mm):	412.7 *
Suction Size (mm):		7/8 Stub	
Discharge Size (mm):		1/2 Stub	
Oil Recharge (liter):		2	
Initial Oil Charge (liter):		2	
Net Weight (kg):		41.28	
Internal Free Volume (cm <sup>3</sup> ):		8.752	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	55.0	MCC (Amps):	14.6	UL File No:	
LRA-Half Winding:		RPM:		UL File Date:	28-Dec-1984
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		10.4			
RLA(=MCC/1.56;use for breaker & wire size)		9.4			
*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	50	3	380/420	High Temperature
R-502 CFC	50	3	380/420	
R-502 CFC	50	3	380/420	UL Medium Temp
R-502 CFC	50	3	380/420	UL Medium Temp
R-22 HCFC	60	3	380/460	Air Conditioning
R-22 HCFC	60	3	380/460	High Temperature
R-502 CFC	60	3	380/460	