

# CS20K6E-PFV

HFC, R-404A, 60Hz, 1- Phase, 208/230 V  
Extended Medium 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)	20 / 120	-10 / 120
RG(°F)/Liq(°F)	40.0 / 120.0	40.0 / 120.0
Capacity (Btu/hr)	20000	7050
Power (Watts):	3120	1850
Current (Amps):	14.90	10.00
EER (Btu/Wh):	6.40	3.80
Mass Flow (lbs/hr):	478	159
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	1994-07-29	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	4.40
Bore Size(in):	1.96	Displ(ft <sup>3</sup> /hr):	534.59
Stroke(in):	0.73		
Overall Length (in):	10.23	Mounting Length (in):	7.50
Overall Width (in):	9.65	Mounting Width (in):	7.50
Overall Height (in):	14.06	Mounting Height (in):	14.44 *
Suction Size (in):		5/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		43	
Initial Oil Charge (oz):		45	
Net Weight (lbs):		67	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	96.0	MCC (Amps):	26.0	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	28-Dec-1984
LRA Low*:		Max Operating Current:	22.4		
RLA(=MCC/1.4;use for contactor selection):		18.6			
RLA(=MCC/1.56;use for breaker & wire size selection):		16.7			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0006-13	189.0	227.0	330	HIGH TORQUE
Start Capacitor	014-0061-13	64.0	77.0	330	LOW TORQUE
Run Capacitor	014-0080-05	40.0	0.0	370	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	50	1	200	
R-404A HFC	50	1	200	
R-404A HFC	50	1	200	
R-507 HFC	50	1	200	
R-507 HFC	60	1	208/230	
R-507 HFC	50	1	200	UL Medium Temp
R-134a HFC	50	1	200	High Temp
R-22 HCFC	60	1	208/230	Medium Temperature

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-507 HFC	60	1	208/230	Extended Medium Temp
R-134a HFC	60	1	208/230	High Temp
R-404A HFC	60	1	208/230	High Temp