

ZB21KCE-PFV

HCFC, R-22, 60 Hz, 1 -Phase, 208/230 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

Evaporator Temp. (°F)	45	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	33800	21700
Power (W):	3420	3060
Current (Amps):	16.20	14.60
EER (Btu/Wh):	9.90	7.10
Mass Flow (lbs/hr):	535	317
<u>Sound Data @</u>		
Sound Power (dBA):	71 Avg	76 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2009-10-14	

Electrical

LRA-High*(Amp):	100.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	25.0
Max Operating Current(Amp):	20.8
RLA, MCC/1.4;use for contactor selection (Amp):	17.9
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	16.0
RPM:	3500
UL File No:	
UL File Date:	1995-02-28
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in ³ /Rev):	3.02
Displacment(ft ³ /hr):	367.01
Overall Length (in):	9.50
Overall Width (in):	9.50
Overall Height (in):	15.93
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.16 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	49
Oil Recharge (oz):	45
Net Weight (lbs):	64.0
Internal Free Volume (in ³):	161.0
Horse Power:	3.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
Run Capacitor	014-0064-29	50.0	0.0	370	

Alternate Applications

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