

ZW30KAE-PFS

HFC, R-407C, 50Hz, 1- Phase, 220 V
Heat Pump, Expanded



Production Status: Preliminary data only - Contact your Emerson Climate Technologies Representative.

Performance

Evap(°F)/Cond(°F)	<u>45 / 130</u>	<u>45 / 100</u>
RG(°F)/Liq(°F)	<u>65 / 115</u>	<u>65 / 85</u>
Capacity (Btu/hr)	31800	33700
Power (Watts):	2330	1670
Current (Amps):	10.80	7.70
EER (Btu/Wh):	13.60	20.10
Mass Flow (lbs/hr):	355	367
Sound Power (dBA):	68 Avg	73 Max
Vibration (mils(peak- Record Date: 2011-11-01	2.0 Avg	3.0 Max

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	2.50
Bore Size(in):	0.00	Displ(ft ³ /hr):	251.74
Stroke(in):	0.00		
Overall Length (in):	8.60	Mounting Length (in):	5.20
Overall Width (in):	7.80	Mounting Width (in):	6.00
Overall Height (in):	15.33	Mounting Height (in):	16.08 *
Suction Size (in):		3/4 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		19	
Initial Oil Charge (oz):		25	
Net Weight (lbs):		49	
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	58.4	MCC (Amps):	21.4	UL File No:
LRA-Half Winding:		RPM:	0	UL File Date:
LRA Low*:		Max Operating Current:	17.7	
RLA(=MCC/1.4;use for contactor selection):		15.3		
RLA(=MCC/1.56;use for breaker & wire size		13.7		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.				

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
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