

# EarthLinked® Compressor Unit (60 Hz) Data Sheet



**EARTHLINKED**  
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## EarthLinked® System Application Options

Item	Comp. Unit	Air Htg.	Hydronic Htg.	Air Clg.	Domestic Wtr. Htg.	System Functions	Spec Guide Illustration
1.	SC	Yes		Yes		Air heating and cooling	Figure 3
2.	SC		Yes <sup>3</sup>	Yes <sup>3</sup>		Radiant panel hydronic heating and air cooling (chilled water air handler)	Figure 4
3.	SD	Yes		Yes	Yes <sup>1</sup>	Air heating and cooling; and domestic hot water by desuperheater	Figure 5
4.	SD		Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>1</sup>	Radiant panel hydronic heating and air cooling (chilled water air handler); and domestic hot water by desuperheater	Figure 6
5.	SCW		Yes <sup>4</sup>	Yes <sup>4</sup>		Radiant panel hydronic heating and air cooling (chilled water air handler)	Figure 7
6.	SW	Yes		Yes	Yes <sup>2</sup>	Air heating and cooling; and domestic hot water by priority heating with DWM	Figure 8
7.	SW		Yes <sup>3</sup>	Yes		Radiant panel hydronic heating and air cooling	Figure 9
8.	SW		Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>2</sup>	Radiant panel hydronic heating and air cooling (chilled water air handler); and domestic hot water by priority heating with DWM	Figure 10
9.	HC	Yes				Air heating	Figure 11
10.	HC		Yes <sup>3</sup>			Radiant panel hydronic heating	Figure 12
11.	HC				Yes <sup>2</sup>	Domestic hot water by priority heating with DWM	Figure 13
12.	HCW		Yes <sup>4</sup>			Radiant panel hydronic heating	Figure 14
13.	HW	Yes			Yes <sup>2</sup>	Air heating and domestic hot water by priority heating with DWM	Figure 15
14.	HW	Yes	Yes <sup>3</sup>			Air heating and radiant panel hydronic heating	Figure 16
15.	HW		Yes <sup>3</sup>		Yes <sup>2</sup>	Radiant panel hydronic heating; and domestic hot water by priority heating with DWM	Figure 17
16.	HWW		Yes <sup>4</sup>		Yes <sup>2</sup>	Radiant panel hydronic heating; and domestic hot water by priority heating with DWM	Figure 18
17.	HWW	Yes	Yes <sup>4</sup>			Air heating and radiant panel hydronic heating	Figure 19

<sup>1</sup>Includes Desuperheater Model DESPK to supplement water heating as a by-product when system is operating in cooling mode only.

<sup>2</sup>Priority water heating provided with separately purchased Domestic Water Module (Series DWM).

<sup>3</sup>Hydronic (radiant floor) water heating provided with separately purchased Series HWM Hydronic Water Module.

<sup>4</sup>Has internal refrigerant/water heat exchanger. Requires field supplied water circulating pump.

## Compressor Unit Model Numbers

**SC - 024 - 1 A**

**HEAT/COOL**  
SC  
SD  
SCW  
SW

**HEAT ONLY**  
HC  
HCW  
HW  
HWW

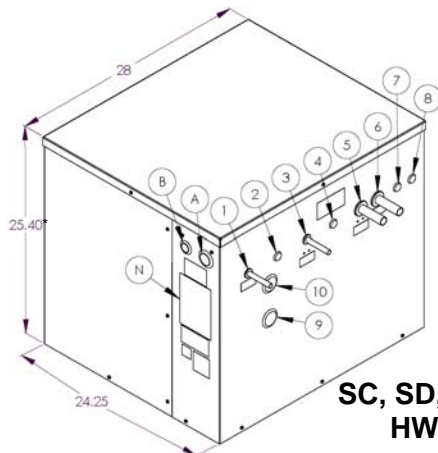
### NOMINAL CAPACITY

018 = 18,000 BTUH = 1.5 Tons  
024 = 24,000 BTUH = 2 Tons  
030 = 30,000 BTUH = 2.5 Tons  
036 = 36,000 BTUH = 3 Tons  
042 = 42,000 BTUH = 3.5 Tons  
048 = 48,000 BTUH = 4 Tons  
060 = 60,000 BTUH = 5 Tons  
072 = 72,000 BTUH = 6 Tons

**REFRIGERANT**  
A = R-22  
B = R-407C

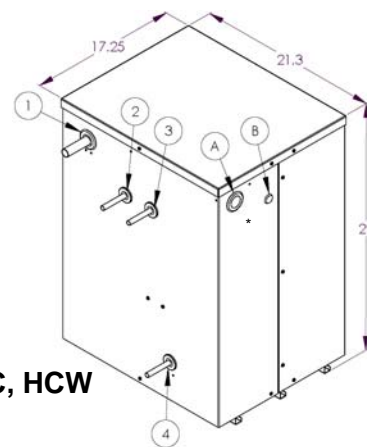
### COMPRESSOR, VOLTS-PHASE-HZ

1 = 208/230 - 1 - 60  
2 = 208/230 - 3 - 60  
3 = 460 - 3 - 60  
6 = 575 - 3 - 60



**SC, SD, SCW, SW  
HW, HWW**

\*includes 1/2" cabinet base standoffs



**HC, HCW**

\*includes 1/2" cabinet base standoffs

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## Compressor Unit Electrical Data

Model	Voltage/Phase/Hz	Voltage		LRA	RLA	MCA	MFS	R-22 Copeland Part Number	R-407c Copeland Part Number
		Min.	Max.						
-018-1A/1B	230/208-1-60	187	253	45	9.6	12	20	ZR18K4-PFV-130	ZR18K4E-PFV-130
-024-1A/1B	230/208-1-60	187	253	63	12.2	15	25	ZR24K4-PFV-130	ZR24K4E-PFV-130
-024-2A/2B	230/208-3-60	187	253	55	8.6	11	20	ZR24K3-TF5-130	ZR24K3E-TF5-130
-024-3A/3B	460-3-60	414	506	27	4.3	5	10	ZR24K3-TFD-130	ZR24K3E-TFD-130
-030-1A/1B	230/208-1-60	187	253	73	13.5	17	25	ZR30K3-PFV-130	ZR30K3E-PFV-130
-030-2A/2B	230/208-3-60	187	253	63	10.7	13	20	ZR30K3-TF5-130	ZR30K3E-TF5-130
-030-3A/3B	460-3-60	414	506	31	5	6	10	ZR30K3-TFD-130	ZR30K3E-TFD-130
-030-6A/6B	575-3-60	518	632	24	4.3	5	10	ZR30K3-TFE-130	ZR30K3E-TFE-130
-036-1A/1B	230/208-1-60	187	253	95	16.5	20	30	ZR36K3-PFV-130	ZR36K3E-PFV-230
-036-2A/2B	230/208-3-60	187	253	77	10.3	13	20	ZR36K3-TF5-130	ZR36K3E-TF5-130
-036-3A/3B	460-3-60	414	506	39	5.7	7	10	ZR36K3-TFD-130	ZR36K3E-TFD-130
-036-6A/6B	575-3-60	518	632	31	4.2	5	10	ZR36K3-TFE-130	ZR36K3E-TFE-130
-042-1A/1B	230/208-1-60	187	253	109	18.3	23	35	ZR40K3-PFV-130	ZR42K3E-PFV-230
-042-2A/2B	230/208-3-60	187	253	88	13.9	17	25	ZR42K3-TF5-130	ZR42K3E-TF5-130
-042-3A/3B	460-3-60	414	506	44	7.1	9	15	ZR42K3-TFD-130	ZR42K3E-TFD-130
-042-6A/6B	575-3-60	518	632	34	5.4	7	10	ZR42K3-TFE-130	ZR42K3E-TFE-130
-048-1A/1B	230/208-1-60	187	253	137	19.9	24	35	ZR47K3-PFV-135	ZR47K3E-PFV-135
-048-2A/2B	230/208-3-60	187	253	91	14.7	18	30	ZR48K3-TF5-135	ZR48K3E-TF5-135
-048-3A/3B	460-3-60	414	506	50	7.1	9	15	ZR48K3-TFD-135	ZR48K3E-TFD-135
-048-6A/6B	575-3-60	518	632	37.5	5.3	7	10	ZR48K3-TFE-135	ZR49K3E-TFE-135
-060-1A/1B	230/208-1-60	187	253	176	28.8	35	50	ZR61K3-PFV-130	ZR68K3E-PFV-130
-060-2A/2B	230/208-3-60	187	253	128	18.6	23	35	ZR61K3-TF5-130	ZR61K3E-TF5-130
-060-3A/3B	460-3-60	414	506	63	9	11	15	ZR61K3-TFD-130	ZR61K3E-TFD-130
-060-6A/6B	575-3-60	518	632	50	7.1	9	15	ZR61K3-TFE-130	ZR61K3E-TFE-130
-072-1A/1B	230/208-1-60	187	253	176	28.8	35	50	ZR68K3-PFV-130	ZR68K3E-PFV-130
-072-2A/2B	230/208-3-60	187	253	156	18.6	23	35	ZR72K3-TF5-130	ZR72K3E-TF5-130
-072-3A/3B	460-3-60	414	506	75	9	11	15	ZR72K3-TFD-130	ZR72K3E-TFD-130
-072-6A/6B	575-3-60	518	632	54	7.4	9	15	ZR72K3-TFE-130	ZR72K3E-TFE-130

LRA = Locked Rotor Amps MFS = Maximum Fuse or HACR Circuit Breaker Size RLA = Rated Load Amps (External)  
MCA = Maximum Circuit Ampacity AWG = Consult NEC and Local Codes

