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# COMFORT-AIRE HR48-230 Owner's Manual

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**PARTS LIST**  
**GEOHERMAL HEAT PUMPS**  
**HRH/HRV**  
**&**  
**HOT WATER GENERATOR**  
**HWG**

**HEAT CONTROLLER, INC.**

1900 Wellworth Ave. Jackson, MI 49203  
[www.heatcontroller.com](http://www.heatcontroller.com)  
517-787-2100

HR PARTS LIST (rev. A & B)		REV LEVEL	19	24	30	36	42	48	60	70
			230	230	230	230	230	230	230	230
Part #	Item Description									
<b>Compressors</b>										
34B0042N01	COMPRESSOR CR 1PH	B	1							
34B0043N01	COMPRESSOR CR 1PH	B		1						
68832727	COMPRESSOR CR 1PH	B			1					
68832731	COMPRESSOR CR 1PH	B				1				
34B0026N01	COMPRESSOR CR 1PH	A					1			
34B0027N01	COMPRESSOR CR 1PH	A						1		
34B0028N01	COMPRESSOR ZR 1PH	A							1	
79001870	COMPRESSOR ZR 1PH	A								1

**Compressor Mounting Hardware**

68414800	SPRING MOUNTING KIT, COMPRESSOR	A,B	1	1	1	1	1	1		
56B0001N01	SPRING MOUNTING KIT, COMPRESSOR	A							1	1

**Compressor Contactors**

13B0002N02	CONTACTOR 2 POLE 40A 1PH	A,B	1	1	1	1	1	1	1	1
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**Compressor Run Capacitors**

24280809	CAPACITOR 25 MFD 370V	B	1							
24280810	CAPACITOR 30 MFD 370V	B		1						
24280811	CAPACITOR 35 MFD 370V	B			1	1				
24280812	CAPACITOR 40 MFD 370V	A					1			
24280822	CAPACITOR 40 MFD 440V	A						1		
24280853	CAPACITOR 60 MFD 370V	A							1	
24280854	CAPACITOR 80 MFD 370V	A								1
68583200	CAPACITOR BOOT	A/B	1	1	1	1	1	1	1	1

**Air Coil Assemblies with distributor attached**

61S0017N55	AIR COIL ASSY 3 ROW 16x16 E-COATED	B	VH	VH						
61S0016N55	AIR COIL ASSY 3 ROW 20x20 E-COATED	B			V	V				
61S0015N55	AIR COIL ASSY 3 ROW 18x22 E-COATED	B			H	H				
61S0005N55	AIR COIL ASSY 3 ROW 28x20 E-COATED	B					V	V		
61S0014N55	AIR COIL ASSY 3 ROW 18x31 E-COATED	A					H	H		
61S0004N55	AIR COIL ASSY 4 ROW 28x25 E-COATED	A							V	
61S0010N55	AIR COIL ASSY 4 ROW 20x35 E-COATED	A							H	
61S0008N55	AIR COIL ASSY 4 ROW 20X45 E-COATED	A								H
61S0002N55	AIR COIL ASSY 4 ROW 36X25 E-COATED	A								V

**Blower Motors**

14B0002N01	MOTOR 1/5 HP 3 SPEED		1							
14B0003N01	MOTOR 1/3 HP 3 SPEED			1						
14B0005N01	MOTOR 1/2 HP 3 SPEED				1					
14B0006N01	MOTOR 3/4 HP 3 SPEED					1	1			
14B0007N04	MOTOR 3/4 HP 3 SPEED							1		
14B0008N05	MOTOR 1 HP 3 SPEED								1	1

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			230	230	230	230	230	230	230	230
Part #	Item Description									

**Blower Motor Capacitors**

24280803	CAPACITOR 7.5 MFD 370V		1	1						
24280804	CAPACITOR 10 MFD 370V				1	1	1			
24280808	CAPACITOR 20 MFD 370V							1	1	1

**Blower Motor Relays**

13B0001N01	RELAY SPDT 20A 24VAC		1	1	1	1	1	1	1	1
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**Blower Motor Wheels and Housings**

68624003	BLOWER WHEEL 9x7		1	1	1	1				
12331625	BLOWER HOUSING 9x7 W/INLET RING		1	1	1	1				
71008707	BLOWER CUT OFF FOR 9x7 HOUSING		1	1	1	1				
69109000	BLOWER INLET RING 9 INCH		1	1	1	1				
68624021	BLOWER WHEEL 10x10						1	1		
73S0004N01	BLOWER HOUSING ASSY 10x10R						1	1		
73B0004N01	BLOWER HOUSING ASSY W/WHEEL 12X10T								1	1

**Blower Motor Mounting Parts**

75B0002N01	MOTOR MOUNT BAND 5.6DIA							1	1	1
75B0001N01	MOTOR MOUNT ARM LONG							3	3	3

**Expansion Valve and Strainers**

33B0002N01	EXPANSION VALVE BBIVE2		1							
33B0002N02	EXPANSION VALVE BBIVE3			1						
33B0002N03	EXPANSION VALVE BBIVE3				1					
33B0002N09	EXPANSION VALVE BBIVE4					1				
33B0002N05	EXPANSION VALVE BBIVE4						1			
33B0002N06	EXPANSION VALVE BBIVE5							1		
33B0002N07	EXPANSION VALVE BBIVE6								1	
33B0002N08	EXPANSION VALVE BBIVE6									1
68110002	STRAINER, EXPANSION VALVE 3/8"		1	1	1	1	1	1		
68110001	STRAINER, EXPANSION VALVE 1/2"								2	2

**Reversing Valves with Solenoid**

S69170800	REVERSING VALVE, w/Solenoid V2		1	1						
S69173500	REVERSING VALVE, w/Solenoid V3				1	1	1	1		
S69172601	REVERSING VALVE, w/Solenoid V6								1	
15B0005N01	SOLENOID, RV 24V - BLACK		1	1	1	1	1	1	1	1
69170601	SOLENOID, RV 24V - RED		1	1	1	1	1	1	1	1

**Water Coils**

S62I0007N01	COAX K024 COPPER INSULATED		1	1						
S62I0007N02	COAX K024 CUPRO-NICKEL INSULATED		1	1						
S62I0004N01	COAX K036 COPPER INSULATED				1					
S62I0004N02	COAX K036 CUPRO-NICKEL INSULATED				1					
S62S0010N21	COAX K048 COPPER INSULATED					1	1			
S62S0010N22	COAX K048 CUPRO-NICKEL INSULATED					1	1			
S62I0001N01	COAX K060 COPPER INSULATED							1	1	
S62I0001N02	COAX K060 CUPRO-NICKEL INSULATED							1	1	

HR PARTS LIST (rev. A & B)		REV LEVEL	19	24	30	36	42	48	60	70
			230	230	230	230	230	230	230	230
Part #	Item Description									

**High Pressure and Loss of Charge Switches**

68664002	HIGH PRESSURE SPNC 375/290 PSIG		1	1	1	1	1	1	1	1
68663902	LOSS OF CHARGE SPNC 35/60 PSIG		1	1	1	1	1	1	1	1

**Controllers, Thermistors, Sensors, Harnesses**

17B0001N01	CONTROLLER CXM		1	1	1	1	1	1	1	1
17B0005N06	THERMISTOR CXM/DXM GRAY 36 INCH		1	1	1	1	1	1	1	1
17B0005N02	THERMISTOR CXM/DXM VIOLET 48 INCH		1	1	1	1	1	1	1	1
12B0005N01	SENSOR, CONDENSATE OVERFLOW		1	1	1	1	1	1	1	1
11B0007N01	HARNESS DXM/CXM 30 INCH LOW VOLTAGE		1	1	1	1	1	1	1	1
11B0002N01	HARNESS, ELEC HEAT		1	1	1	1	1	1	1	1

**Transformers, 60Hz**

15B0002N02	TRANSFORMER 75VA208/240-24 4AMP		1	1	1	1	1	1	1	1
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**Air Filters**

76B0001N03	FILTER 16X20X1 FIBERGLASS		VH	VH						
76B0001N07	FILTER 20X24X1 FIBERGLASS				V	V				V-2
76B0001N06	FILTER 18X24X1 FIBERGLASS				H	H				
76B0001N14	FILTER 24X28X1 FIBERGLASS						V	V		
76B0001N01	FILTER 18X18X1 FIBERGLASS						H-2	H-2		
76B0001N15	FILTER 28X30X1 FIBERGLASS								V	
76B0001N02	FILTER 12X20X1 FIBERGLASS								H-1	
76B0001N09	FILTER 20X25X1 FIBERGLASS								H-1	
76B0001N23	FILTER 16X30X1 FIBERGLASS									H-1
76B0001N24	FILTER 20X30X1 FIBERGLASS									H-1

**Miscellaneous Parts**

AB6413	HANGER KIT, HORIZONTAL UNIT		1	1	1	1				
AB8057	HANGER KIT, HORIZONTAL UNIT						1	1	1	1
54B0003N01	PAINT TOUCH UP PEN (POLAR WHITE)		1	1	1	1	1	1	1	1
68418001	PAINT TOUCH UP SPRAY (POLAR WHITE)		1	1	1	1	1	1	1	1
90B0001N01	SWIVEL UNION, NUT 1"									
69706060	SWIVEL UNION, GASKET 1"									
91B0002N01	SWIVEL UNION, RETAINER SNAP RING 1"									
90B0002N01	SWIVEL BODY 1 FPT X 5/8 SWT									
90B0002N02	SWIVEL BODY 1 FPT X 7/8 SWT									

**Hot Water Generator**

69186203	HWG THERMAL LIMIT SWITCH 125 DEG F		1	1	1	1	1	1	1	1
69169700	HWG PUMP POWER BLK 30A 2-POLE-PB1		1	1	1	1	1	1	1	1
69178806	HWG PUMP 230V 5/8" SWEAT		1	1	1	1	1	1	1	1
12B0001N01	HWG LINE VOLTAGE POWER STRIP		1	1	1	1	1	1	1	1
63B0004N01	COAX DOUBLE WALL COPPER SMALL		1	1	1	1				
63B0003N01	COAX DOUBLE WALL COPPER LARGE						1	1	1	1

Top Panel



Filler Panel, Blower

Side Panel, Compressor

Corner Post, Electro

HRH Shee



Corner Post, Air Handler

Panel, Air Handler

Panel, Blower

**HRH Sheet**



Panel, Compressor

Corner Post, Water

Side Panel, Compressor

Filler P

HRH Sheet

**HRH Sheetmetal**

Part Number	Description	HRH019	HRH024	HRH030	HRH036	HRH042	HRH048	HRH060	HRH070
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**Access Panels, Side**

41F0149GMP	Side Panel, Compressor, Painted	2	2						
41F0141GMP	Side Panel, Compressor, Painted			2	2	2	2		
41F0139GMP	Side Panel, Compressor, Painted							2	2

**Access Panels, Front and Rear**

41F0057GMP	Panel, Comp & Air Handler, Painted	2	2						
41F0058GMP	Panel, Comp & Air Handler, Painted			2	2	2	2		
41F0063GMP	Panel, Comp & Air Handler, Painted							2	2

Comp = Compressor

**Blower Discharge Panel**

S43S0059GFP	Blower Panel, Painted	1	1						
S43S0007GFP	Blower Panel, Painted			1					
S43S0746GFN	Blower Panel, Painted				1	1	1		
S43S0008GFP	Blower Panel, Painted							1	1

**Corner Post, Electrical**

44F0001GFP	Corner Post, Electrical, Painted	1	1						
44F0047GFP	Corner Post, Electrical, Painted			1	1	1	1		
44F0044GFP	Corner Post, Electrical, Painted							1	1

**Corner Post, Air Handler**

44F0019GFP	Corner Post, Air Handler, Painted	1	1						
44F0038GFP	Corner Post, Air Handler, Painted			1	1	1	1		
44F0039GFP	Corner Post, Air Handler, Painted							1	1

**Corner Post, Water Coil**

44F0007ANP	Corner Post, Water, Painted	1	1						
44F0046ANP	Corner Post, Water, Painted			1	1	1	1		
44F0045ANP	Corner Post, Water, Painted							1	1

**Drain Pan**

49S0165SAN	Drain Pan, Stainless Steel	1	1						
49S0213SAN	Drain Pan, Stainless Steel			1	1				
49S0214SAN	Drain Pan, Stainless Steel					1	1		
49S0215SAN	Drain Pan, Stainless Steel							1	
49S0167SAN	Drain Pan, Stainless Steel								1

**Duct Collar**

46F0047GNP	Duct Collar, Painted	2	2	2	2				
46F0048GNP	Duct Collar, Painted					2	2	2	2

**Filler Panel, Air Coil**

46F0057GFP	Filler Panel, Air Coil, Painted			1	1	1	1		
46F0056GFP	Filler Panel, Air Coil, Painted	1	1						
46F0058GFP	Filler Panel, Air Coil, Painted							1	1

**HRH Sheetmetal**

Part Number	Description	HRH019	HRH024	HRH030	HRH036	HRH042	HRH048	HRH060	HRH070
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**Filler Panel, Blower**

46F0050GFP	Filler Panel, Blower, Painted			1	1				
46F0049GFP	Filler Panel, Blower, Painted	1	1						
46F0052GFP	Filler Panel, Blower, Painted					1	1		
46F0053GFP	Filler Panel, Blower, Painted							1	
46F0055AFP	Filler Panel, Blower, Painted								1

**Filter Bracket**

46F0100GNP	Filter Bracket, Painted			2	2				
46F0101GNP	Filter Bracket, Painted	2	2						
46F0099GNP	Filter Bracket, Painted					2	2		
46F0098GNP	Filter Bracket, Painted							2	
46F0096GNP	Filter Bracket, Painted								2

**Top Panel**

43F0028GFP	Top Panel, Painted	1	1						
43F0029GFP	Top Panel, Painted			1	1				
43F0031GFP	Top Panel, Painted					1	1		
43F0032GFP	Top Panel, Painted							1	
43F0034AFP	Top Panel, Painted								1

Side Panel, Air Handler

Divider Panel

Side Panel, Compressor

Corner Post, Electrical



**HRV Sheetmet**



Blower Discharge  
Right Return S

Corner Post,

HRV Sheetm

Front Panel,  
Air Handler

Front Panel,  
Compressor

Corner Po

Side  
Comp



HRV Sheet



Wrapper, Air Handler

Wrapper, Compress

**HRV Sheet**

**HRV Sheetmetal**

Part Number	Description	HRV019	HRV024	HRV030	HRV036	HRV042	HRV048	HRV060	HRV070
<b>Access Panels, Side</b>									
41F0149GMP	Side Panel, Comp & Air Handler, Painted	3	3						
41F0141GMP	Side Panel, Compressor, Painted			2	2	2	2		
41F0139GMP	Side Panel, Compressor, Painted							2	2
41F0013GMP	Side Panel, Air Handler, Painted			1	1				
41F0015GMP	Side Panel, Air Handler, Painted					1	1		
41F0016GMP	Side Panel, Air Handler, Painted							1	
41F0018GMP	Side Panel, Air Handler, Painted								1

Comp = Compressor AH = Air Handler

**Access Panels, Front**

41F0057GMP	Front Panel, Comp & Air Handler, Painted	2	2						
41F0058GMP	Front Panel, Compressor, Painted			1	1	1	1		
41F0063GMP	Front Panel, Compressor, Painted							1	1
41F0059GMP	Front Panel, Air Handler, Painted			1	1				
41F0061GMP	Front Panel, Air Handler, Painted					1	1		
41F0067GMP	Front Panel, Air Handler, Painted							1	
41F0065GMP	Front Panel, Air Handler, Painted								1

Comp = Compressor

**Blower Discharge Panel**

S43S0073GFP	Blower Panel, Left Return, Painted	1	1						
S43S0532GFP	Blower Panel, Left Return, Painted			1	1				
S43S0744GFP	Blower Panel, Left Return, Painted					1	1		
S43S0069GFP	Blower Panel, Left Return, Painted							1	1
S43S0074GFP	Blower Panel, Right Return, Painted	1	1						
S43S0533GFP	Blower Panel, Right Return, Painted			1	1				
S43S0745GFP	Blower Panel, Right Return, Painted					1	1		
S43S0124GFP	Blower Panel, Right Return, Painted							1	1

**Corner Post, Electrical**

44F0001GFP	Corner Post, Electrical, Painted	1	1						
44F0047GFP	Corner Post, Electrical, Painted			1	1	1	1		
44F0044GFP	Corner Post, Electrical, Painted							1	1

**Corner Post, Air Handler**

44F0064GFP	Corner Post, Air Handler, Painted	2	2						
44F0020GFP	Corner Post, Air Handler, Painted			2	2				
44F0022GFP	Corner Post, Air Handler, Painted					2	2	2	
44F0024GFP	Corner Post, Air Handler, Painted								2

**Corner Post, Water Coil**

44F0007GFP	Corner Post, Water, Painted	1	1						
44F0073GFP	Corner Post, Water, Painted			1	1	1	1		
44F0074GFP	Corner Post, Water, Painted							1	1

**HRV Sheetmetal**

Part Number	Description	HRV019	HRV024	HRV030	HRV036	HRV042	HRV048	HRV060	HRV070
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**Divider Panel**

S43S0016GFP	Divider Panel, Painted	1	1						
S43S0011GFP	Divider Panel, Painted			1	1	1	1		
S43S0012GFP	Divider Panel, Painted							1	1

**Drain Pan**

49S0164SAN	Drain Pan, Painted	1	1						
49S0217SAN	Drain Pan, Painted			1	1	1	1		
49S0166SAN	Drain Pan, Painted							1	1

**Duct Collar**

46F0047GNP	Duct Collar, Painted	2	2	2	2				
46F0048GNP	Duct Collar, Painted					2	2	2	
47F0301GNP	Duct Collar, Painted								2

**Filter Bracket**

S40S0008NNN	Filter Bracket, Painted	1	1						
S40S0001NNN	Filter Bracket, Painted			1	1				
S40S0003NNN	Filter Bracket, Painted					1	1		
S40S0004NNN	Filter Bracket, Painted							1	
S40S0006NNN	Filter Bracket, Painted								1

**Wrapper**

44F0025GFP	Wrapper, Comp & Air Handler, Painted	2	2						
44F0005GFP	Wrapper, Compressor, Painted			1	1	1	1		
44F0006GFP	Wrapper, Compressor, Painted							1	1
44F0026GFP	Wrapper, Air Handler, Painted			1	1				
44F0028GFP	Wrapper, Air Handler, Painted					1	1		
44F0029GFP	Wrapper, Air Handler, Painted							1	
44F0031GFP	Wrapper, Air Handler, Painted								1