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COMFORT-AIRE HR70-230 Owner's Manual

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----- Manual continues below -----

PARTS LIST
GEO THERMAL HEAT PUMPS
HRH/HRV
&
HOT WATER GENERATOR
HWG

HEAT CONTROLLER, INC.

1900 Wellworth Ave. Jackson, MI 49203
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									
Compressors										
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

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									

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				HWG					
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, Elec

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, Compressor

HRV Sheet

HRV Sheetmetal

Part Number	Description	HRV019	HRV024	HRV030	HRV036	HRV042	HRV048	HRV060	HRV070
Access Panels, Side									
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