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# COMFORT-AIRE HC024-230-1 Owner's Manual

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HC024-230-1](#)

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**PARTS LIST**  
**WATER SOURCE HEAT PUMPS**  
**HCH/HCV**

**HEAT CONTROLLER, INC.**

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

HC PARTS LIST		Rev	006		009		012		018		024			030			036			041			042			048			060									
			265	230	265	230	265	230	265	230	265	460	230	230	265	460	230	230	265	460	230	230	265	460	230	230	265	460	230	230	265	460	230	230	265	460		
Part #	Item Description	Level	1	1	1	1	1	1	1	1	3	1	3	1	3	1	3	1	3	3	1	3	3	3	1	3	3	3	1	3	3	3	1	3	3	1	3	3

**Compressors**

34B0018N02	COMPRESSOR HG 1PH	B	1																																				
34B0018N01	COMPRESSOR HG 1PH	B		1																																			
34B0019N02	COMPRESSOR HG 1PH	B			1																																		
34B0019N01	COMPRESSOR HG 1PH	B				1																																	
34B0020N02	COMPRESSOR HG 1PH	B					1																																
34B0020N01	COMPRESSOR HG 1PH	B						1																															
34B0042N02	COMPRESSOR CR 1PH	B							1																														
34B0042N01	COMPRESSOR CR 1PH	B								1																													
34B0043N06	COMPRESSOR CR 1PH	B									1																												
34B0043N04	COMPRESSOR CR 3PH	B										1																											
34B0043N01	COMPRESSOR CR 1PH	B											1																										
34B0043N03	COMPRESSOR CR 3PH	B												1																									
68832726	COMPRESSOR CR 1PH	B													1																								
68832729	COMPRESSOR CR 3PH	B														1																							
68832727	COMPRESSOR CR 1PH	B															1																						
68832728	COMPRESSOR CR 3PH	B																1																					
34B0045N02	COMPRESSOR CR 1PH	B																	1																				
34B0045N04	COMPRESSOR CR 3PH	B																		1																			
34B0045N01	COMPRESSOR CR 1PH	B																			1																		
34B0045N03	COMPRESSOR CR 3PH	B																				1																	
34B0026N03	COMPRESSOR CR 3PH	B																					1																
34B0026N01	COMPRESSOR CR 1PH	B																						1															
34B0026N02	COMPRESSOR CR 3PH	B																							1														
34B0026N04	COMPRESSOR CR 3PH	B																								1													
34B0041N03	COMPRESSOR CR 3PH	B																									1												
34B0041N01	COMPRESSOR CR 1PH	B																										1											
34B0041N02	COMPRESSOR CR 3PH	B																											1										
34B0041N04	COMPRESSOR CR 3PH	B																												1									
34B0027N03	COMPRESSOR CR 3PH	B																													1								
34B0027N01	COMPRESSOR CR 1PH	B																														1							
34B0027N02	COMPRESSOR CR 3PH	B																															1						
34B0027N04	COMPRESSOR CR 3PH	B																																1					
34B0028N03	COMPRESSOR ZR 3PH	B																																			1		
34B0028N01	COMPRESSOR ZR 1PH	B																																			1		
34B0028N02	COMPRESSOR ZR 3PH	B																																			1		
34B0028N04	COMPRESSOR ZR 3PH	B																																				1	

**Compressor Mounting Hardware**

68154406	GROMMET, COMPRESSOR	B	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
69127079	BOLT, COMPRESSOR	B	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

**Compressor Contactors**

13B0002N02	CONTACTOR 2 POLE 40A 1PH	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13B0003N01	CONTACTOR 3 POLE 30A 3PH	B									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

**Compressor Run Capacitors (Not req. for 3 phase)**

24280806	CAPACITOR 15 MFD 370V	B	1	1	1	1																																	
24280817	CAPACITOR 15 MFD 440V	B					1																																
24280808	CAPACITOR 20 MFD 370V	B						1	1																														
24280809	CAPACITOR 25 MFD 370V	B								1	1																												
24280810	CAPACITOR 30 MFD 370V	B										1																											
24280820	CAPACITOR 30 MFD 440V	B											1																										
24280811	CAPACITOR 35 MFD 370V	B												1																									
24280821	CAPACITOR 35 MFD 440V	B													1																								
68583200	CAPACITOR BOOT	A, B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		



HC PARTS LIST		Rev Level	006		009		012		018		024			030			036			041			042			048			060										
			265	230	265	230	265	230	265	230	265	460	230	230	265	460	230	230	265	460	230	230	265	460	230	230	265	460	230	230	265	460	230	230	265				
Part #	Item Description		1	1	1	1	1	1	1	1	1	3	1	3	1	3	1	3	1	3	3	1	3	3	3	1	3	3	3	1	3	3	3	1	3	3	1	3	3

**Blower Motor Capacitors**

24280838	CAPACITOR 3 MFD 370V	B	1	1					1	1																																			
24280801	CAPACITOR 5 MFD 370V	B			1	1	1	1	1	1																																			
24280803	CAPACITOR 7.5 MFD 370V	B								1	1	1	1																																
24280804	CAPACITOR 10 MFD 370V	B										1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
24280808	CAPACITOR 20 MFD 370V	B																																					1	1	1	1	1	1	1

**Blower Motor Relays**

13B0001N01	RELAY SPDT 20A 24VAC	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
13B0004N01	RELAY DPDT 22A 24VAC	B									1			1			1		1		1		1		1		1		1		1		1		1		1		1		1		
68583200	CAPACITOR BOOT	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

**Blower Motor Mounting Parts**

75B0002N01	MOTOR MOUNT BAND 5.6DIA	B							1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
75B0001N03	MOTOR MOUNT ARM SHORT	B						3	3			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
75B0001N01	MOTOR MOUNT ARM TR4255B	B																																							3	3	3	3

**Reversing Valves with Solenoid**

S69170700	REVERSING VALVE, w/Solenoid	B	1	1	1	1	1	1																																				
S69170800	REVERSING VALVE, w/Solenoid V2	B						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
S69173500	REVERSING VALVE, w/Solenoid V3	B													1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
S69172601	REVERSING VALVE, w/Solenoid V6	B																																							1	1	1	1
15B0005N01	SOLENOID, RV 24V - BLACK	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
69170601	SOLENOID, RV 24V - RED	B						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

**Water Coils, Non Insulated**

62B0018N01	COAX K009 COPPER W/BRACKET	B	1	1																																								
62B0018N02	COAX K009 CUPRO-NICKEL W/BRACKET	B	1	1																																								
62B0017N01	COAX K012 COPPER W/BRACKET	B			1	1																																						
62B0017N02	COAX K012CUPRO-NICKEL W/BRACKET	B			1	1																																						
62B0016N01	COAX K015 COPPER W/BRACKET	B					1	1																																				
62B0016N02	COAX K015 CUPRO-NICKEL W/BRACKET	B					1	1																																				
62B0015N01	COAX K018 COPPER W/BRACKET	B					1	1	1	1	1	1	1																															
62B0015N02	COAX K018 CUPRO-NICKEL W/BRACKET	B					1	1	1	1	1	1	1																															
62B0012N01	COAX K030 COPPER W/BRACKET	B										1	1	1	1																													
62B0012N02	COAX K030 CUPRO-NICKEL W/BRACKET	B										1	1	1	1																													
62B0011N01	COAX K036 COPPER W/BRACKET	B													1	1	1	1																										
62B0011N02	COAX K036 CUPRO-NICKEL W/BRACKET	B													1	1	1	1																										
62B0010N01	COAX K048 COPPER W/BRACKET	B																								1	1	1	1															
62B0010N02	COAX K048 CUPRO-NICKEL W/BRACKET	B																								1	1	1	1															
62B0020N01	COAX K042 COPPER W/BRACKET	B																								1	1	1	1															
62B0020N02	COAX K042 CUPRO-NICKEL W/BRACKET	B																								1	1	1	1															
62B0009N01	COAX K060 COPPER W/BRACKET	B																																							1	1	1	1
62B0009N02	COAX K060 CUPRO-NICKEL W/BRACKET	B																																							1	1	1	1



**Top Panel**

**Access Panel, Front**



**Divider Panel, Blower Side**

**Access Panel, Side**

**Corner Post, Electrical**

**HCH Sheetmetal Parts**



**Corner Post, Air Handler**

**Access Panel, Blower**

**Panel, Blower Discharge**

**HCH Sheetmetal Parts**



**Corner Panel, Water Coil**

**Divider Panel-Air Coil Side**

**HCH Sheetmetal Parts**

HCH Sheetmetal

Part #	Description	HCH006	HCH009	HCH012	HCH018	HCH024	HCH030	HCH036	HCH042	HCH048	HCH060
<b>1&amp;2 Access Panels, Front and Side</b>											
41F0168GFN	(1&2) Front Panel	1	1	1							
41F0167GFN	(1&2) Side Panel	1	1	1							
41F0077GFN	(1&2) Front and Side Panel				2	2	2				
41F0079GFN	(1&2) Front and Side Panel							2	2		
41F0081GFN	(2) Front Panel									1	1
41F0084GFN	(1) Side Panel									1	1
<b>3 Corner Panel, Water Coil</b>											
44F0155GFN	(3) Corner Panel, Water Coil	1	1	1							
44F0095GFN	(3) Corner Panel, Water Coil				1	1	1				
44F0098GFN	(3) Corner Panel, Water Coil							1	1		
44F0101GFN	(3) Corner Panel, Water Coil									1	1
<b>4 Corner Posts, Electrical</b>											
44F0156GNN	(4) Control Post (4) Control Box	1	1	1							
44F0094GNN	(4) Control Post (4) Control Box				1	1	1				
44F0097GNN	(4) Control Post (4) Control Box							1	1		
44F0100GNN	(4) Control Post (4) Control Box									1	1
<b>5 Corner Posts, Air Handler</b>											
44F0157GFN	(5) Corner Post, Air Handler	1	1	1							
44F0093GFN	(5) Corner Post, Air Handler				1	1	1				
44F0096GFN	(5) Corner Post, Air Handler							1	1	1	1
<b>6 Blower Discharge Panel</b>											
S43S0260GFN	(6) Blower Panel	1	1								
S43S0251GFN	(6) Blower Panel			1							
S43S0106GFN	(6) Blower Panel				1	1	1				
S43S0117GFN	(6) Blower Panel							1	1		
S43S0114GFN	(6) Blower Panel									1	
S43S0116GFN	(6) Blower Panel										1
<b>7 Drain Pan Assembly</b>											
49S0168GAP	(7) Drain Pan Assembly, Painted	1	1	1							
49S0065AFP	(7) Drain Pan Assembly, Painted				1	1	1				
49S0066AFP	(7) Drain Pan Assembly, Painted							1	1	1	
49S0067AFP	(7) Drain Pan Assembly, Painted										1
<b>8 Duct Collar</b>											
47F0407GNN	(8) Duct Collar	1	1	1							
47F0182GNN	(8) Duct Collar				1	1	1				
47F0177GNN	(8) Duct Collar							1	1		
47F0188GNN	(8) Duct Collar									1	1
<b>9 Divider, Air Coil Side</b>											
43F0250GFN	(9) Divider, One Piece	1	1	1							
43F0107GFN	(9) Divider, Air Coil Side				1	1	1				
43F0109GFN	(9) Divider, Air Coil Side							1	1		
43F0112GFN	(9) Divider, Air Coil Side									1	1

HCH Sheetmetal

Part #	Description	HCH006	HCH009	HCH012	HCH018	HCH024	HCH030	HCH036	HCH042	HCH048	HCH060
<b>10 Divider, Blower Side</b>											
43F0108GFN	(10) Divider, Blower Side				1	1	1				
43F0110GFN	(10) Divider, Blower Side							1	1		
43F0115GFN	(10) Divider, Blower Side									1	1
<b>11 Filter Bracket</b>											
46F0202GNN	(11) Filter bracket	2	2	2							
46F0148GNN	(11) Filter bracket				1	1	1				
46F0149GNN	(11) Filter bracket							1	1	1	
46F0150GNN	(11) Filter bracket										1
<b>12 Top Panels</b>											
42F0104GFN	(12) Top Panel	1	1	1							
42F0043GFN	(12) Top Panel				1	1	1				
42F0044GFN	(12) Top Panel							1	1		
42F0046GFN	(12) Top Panel									1	1
<b>13 Access Panels, Blower</b>											
41F0168GFN	(13) Air Handler Panel	1	1	1							
41F0078GFN	(13) Air Handler Panel				1	1	1				
41F0080GFN	(13) Air Handler Panel							1	1		
41F0085GFN	(13) Air Handler Panel									1	1

**Panel Access, Top**



**Corner Post, Water**

**Panel Water Coil**

**Front Panel, Access Controls**

**HCV Sheetmetal Parts**



**Wrapper, Rear**

**Panel Access Side**

**HCV Sheetmetal Parts**

**Blower Panel**



**HCV Sheetmetal Parts**



**Panel Access  
Full Side**

**Corner Post, Electrical**

**HCV Sheetmetal Parts**

**HCV Sheetmetal**

Part #	Description	HCV009	HCV012	HCV 018, 24 & 030	HCV 041	HCV 036 & 042	HCV 048	HCV 060
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**1 Panel, Access Side**

41F0173GFP	(1) Panel, Access Side	1	1					
41F0113GFP	(1) Panel, Access Side			1	1			
41F0108GFP	(1) Panel, Access Side					1		
41F0123GFP	(1) Panel, Access Side						1	1

**2 Panel, Access Top Side or Front**

41F0175GFP	(2) Panel, Access Top Side or Front	1	1					
41F0115GFP	(2) Panel, Access Top Side or Front			1	1			
41F0110GFP	(2) Panel, Access Top Front					1		
41F0125GFP	(2) Panel, Access Top Front						1	1

**3 Panel Access Full Side**

41F0174GFP	(3) Panel Access Full Side	1	1					
41F0116GFP	(3) Panel Access Full Side			1	1			
41F0111GFP	(3) Panel Access Full Side					1		
41F0126GFP	(3) Panel Access Full Side						1	1

**4 Panel, Water Connections**

41F0177GFP	(4) Panel, Water Connections	1	1					
41F0117GFP	(4) Panel, Water Connections			1				
41F0112GFP	(4) Panel, Water Connections					1		
41F0129GFP	(4) Panel, Water Connections				1			
41F0127GFP	(4) Panel, Water Connections						1	1

**5 Blower Panel Assembly**

S43S0262GFP	(5) Blower Panel Assembly, Left Return	1						
S43S0261GFP	(5) Blower Panel Assembly, Left Return		1					
S43S0171N01	(5) Blower Panel Assembly, Left Return			1				
S43S0168N01	(5) Blower Panel Assembly, Left Return					1		
S43S0191N01	(5) Blower Panel Assembly, Left Return				1			
S43S0178N01	(5) Blower Panel Assembly, Left Return						1	
S43S0189N01	(5) Blower Panel Assembly, Left Return							1
S43S0264GFP	(5) Blower Panel Assembly, Right Return	1						
S43S0263GFP	(5) Blower Panel Assembly, Right Return		1					
S43S0172N01	(5) Blower Panel Assembly, Right Return			1				
S43S0169N01	(5) Blower Panel Assembly, Right Return					1		
S43S0192N01	(5) Blower Panel Assembly, Right Return				1			
S43S0179N01	(5) Blower Panel Assembly, Right Return						1	
S43S0190N01	(5) Blower Panel Assembly, Right Return							1
43S0264GFP	(5) Blower Panel Assembly, Front Return	1						
43S0263GFP	(5) Blower Panel Assembly, Front Return		1					
S43S0173N01	(5) Blower Panel Assembly, Front Return			1				
S43S0193N01	(5) Blower Panel Assembly, Front Return				1			

**HCV Sheetmetal**

Part #	Description	HCV009	HCV012	HCV 018, 24 & 030	HCV 041	HCV 036 & 042	HCV 048	HCV 060
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**6 Corner Post, Electrical**

44F0159GFP	(6) Corner Post, Electrical	1	1					
44F0133GFP	(6) Corner Post, Electrical			1	1			
44F0130GFP	(6) Corner Post, Electrical					1		
44F0138GFP	(6) Corner Post, Electrical						1	1

**7 Corner Post Water**

44F0160GFP	(7) Corner Post, Water	1	1					
44F0134GFP	(7) Corner Post, Water			1	1			
44F0131GFP	(7) Corner Post, Water					1		
44F0139GFP	(7) Corner Post, Water						1	1

**8 Wrapper, Rear**

44F0161GFP	(8) Wrapper, Rear	1	1					
44F0135GFP	(8) Wrapper, Rear			1	1			
44F0132GFP	(8) Wrapper, Rear					1		
44F0140GFP	(8) Wrapper, Rear						1	1
44F0135GTP	(8) Wrapper, Rear - Mute			1	1			
44F0132GTP	(8) Wrapper, Rear - Mute					1		
44F0140GTP	(8) Wrapper, Rear - Mute						1	1

**9 Panel, Access Controls**

41F0176GFP	(9) Panel, Access Bottom Front	1	1					
45F0064GFP	(9) Panel, Access Bottom Front			1	1			
45F0063GFP	(9) Panel, Access Bottom Front					1		
45F0065GFP	(9) Panel, Access Bottom Front						1	1

**10 Filter Rack, Bottom**

46F0205GNP	(10) Filter Rack, Bottom	1	1					
46F0171GNP	(10) Filter Rack, Bottom			1	1			
46F0168GNP	(10) Filter Rack, Bottom					1		
46F0175GNP	(10) Filter Rack, Bottom						1	1

**11 Filter Rack, Top**

46F0206GNP	(11) Filter Rack, Top	1	1					
46F0172GNP	(11) Filter Rack, Top			1	1			
46F0169GNP	(11) Filter Rack, Top					1		
46F0176GNP	(11) Filter Rack, Top						1	1