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COMFORT-AIRE HRG1418-1B Owner's Manual

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HRG14-1B

HEAT CONTROLLER, INC.

Parts List
09-March-2012



This parts list is current as of the above revision date.

Form Number: 92-42810-HRG14-1B

Table of Contents

Model Explanation	Page 3
Parts Numbers	
Panels - Miscellaneous	Page 4
Electrical-Fan Group	Page 5
Coil Parts	Page 6
Compressor Group	Page 7
Accessories	Page 8
Drawings/Photographs	
Exploded View	Page 9
Control Box Assembly	Page 10
Valve Mounting Detail	Page 11
Notes	Page 12

MODEL NUMBER EXPLANATION

H	R	G	1	4	1	8	-	1	B
1			2			3			

- (1) SERIES**
- (2) COOLING CAPACITY (BTU/HR)**
 - 18= 18,000
 - 24= 24,000
 - 30= 30,000
 - 36= 36,000
 - 42= 42,000
 - 48= 48,000
 - 60= 60,000
- (3) OPTIONS**

SERIAL NUMBER EXPLANATION

7	9	7	8	N	0	2	0	9	9	9	9	9
1				2	3		4		5			

- (1) COMPRESSOR IDENTIFICATION NUMBER**
- (2) PRODUCTION LOCATION**
- (3) WEEK OF PRODUCTION**
- (4) YEAR OF PRODUCTION**
- (5) PRODUCTION NUMBER**

No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14 18 1B	HRG14 24 1B	HRG14 30 1B	HRG14 36 1B
SHEET METAL PARTS, MISCELLANEOUS						
1		Cabinet	AE-100726-32	AE-100726-32	AE-100726-33	AE-100726-34
2		Cabinet Panel	AE-100727-32	AE-100727-32	AE-100727-33	AE-100727-34
3		Base Pan	AS-100058-02	AS-100058-02	AE-101588-03	AE-101588-03
4		Control Box - 2 inch diameter capacitor	AE-100654-31	AE-100654-31	AE-100654-31	AE-100654-33
4		Control Box - 2-1/2 inch diameter capacitor	N/A	N/A	AE-100654-32	AE-100654-34
5		Control Box Cover	AE-100657-31	AE-100657-31	AE-100657-31	AE-100657-31
6		Top Panel - ICECO Gray	AE-100652-02	AE-100652-02	AE-100652-03	AE-100652-03
6		Top Panel - Private Label Gray	AE-100652-32	AE-100652-32	AE-100652-33	AE-100652-33
8		Grille	95-100906-03	95-100906-03	95-100906-04	95-100906-04
		Center Cap - Blank (for Grille)	91-101123-09	91-101123-09	91-101123-09	91-101123-09
12		Valve Mounting Panel	AE-57780-01	AE-57780-01	AE-57780-01	AE-100185-31
14		Service Valve - Suction	See Coil Group			
15		Service Valve - Liquid	See Coil Group			
17		Low Voltage Cover	AE-57756-01	AE-57756-01	AE-57756-01	AE-57756-01
		Touch-up Paint - ICECO Gray (Aerosol)	523009	523009	523009	523009
		Touch-up Paint - ICECO Gray (Paint Pens)	523011	523011	523011	523011
		Touch-up Paint - Private Label Gray (Aerosol)	523014	523014	523014	523014
		Touch-up Paint - Private Label Gray (Paint Pens)	523015	523015	523015	523015

No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14 42 1B	HRG14 48 1B	HRG14 60 1B	
SHEET METAL PARTS, MISCELLANEOUS						
1		Cabinet	AE-100726-34	AE-100726-34	AE-100726-34	
2		Cabinet Panel	AE-100727-34	AE-100727-34	AE-100727-34	
3		Base Pan	AE-101588-03	AE-101588-03	AE-101588-03	
4		Control Box - 2 inch diameter capacitor	AE-100654-33	N/A	N/A	
4		Control Box - 2-1/2 inch diameter capacitor	AE-100654-34	AE-100654-34	AE-100654-34	
5		Control Box Cover	AE-100657-31	AE-100657-31	AE-100657-31	
6		Top Panel - ICECO Gray	AE-100652-03	AE-100652-03	AE-100652-03	
6		Top Panel - Private Label Gray	AE-100652-33	AE-100652-33	AE-100652-33	
8		Grille	95-100906-04	95-100906-04	95-100906-04	
		Center Cap - Blank (for Grille)	91-101123-09	91-101123-09	91-101123-09	
12		Valve Mounting Panel	AE-100185-31	AE-100185-31	AE-100185-31	
14		Service Valve - Suction	See Coil Group			
15		Service Valve - Liquid	See Coil Group			
17		Low Voltage Cover	AE-57756-01	AE-57756-01	AE-57756-01	
		Touch-up Paint - ICECO Gray (Aerosol)	523009	523009	523009	
		Touch-up Paint - ICECO Gray (Paint Pens)	523011	523011	523011	
		Touch-up Paint - Private Label Gray (Aerosol)	523014	523014	523014	
		Touch-up Paint - Private Label Gray (Paint Pens)	523015	523015	523015	

No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14 18 1B	HRG14 24 1B	HRG14 30 1B	HRG14 36 1B
ELECTRICAL/FAN GROUP						
7	Stk	Fan Motor	51-101774-02	51-101774-02	51-102008-07	51-102008-07
9	Stk	Fan Blade	70-102033-02	70-102033-02	70-102011-10	70-102011-10
16	Stk	Contactator	42-42478-03	42-42478-03	42-42478-03	42-42478-03
17		Low Voltage Cover	See Panels - Miscellaneous			
18		Control Box Bottom	AE-100655-01	AE-100655-01	AE-100655-01	AE-100655-01
19		Capacitor	See Compressor Group			
20	Stk	Defrost Control Board	47-102684-01	47-102684-01	47-102684-01	47-102684-01
21		Low Ambient Control	See Accessories Group			

No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14 42 1B	HRG14 48 1B		
ELECTRICAL/FAN GROUP						
7	Stk	Fan Motor - Before Date Code 3110	51-102008-07	51-102728-12		
7	Stk	Fan Motor - After Date Code 3110	51-102008-07	51-102008-09		
9	Stk	Fan Blade	70-102011-10	70-21858-17		
16	Stk	Contactator	42-42478-03	42-42478-02		
17		Low Voltage Cover	See Panels - Miscellaneous			
18		Control Box Bottom	AE-100655-01	AE-100655-01		
19		Capacitor	See Compressor Group			
20	Stk	Defrost Control Board	47-102684-01	47-102684-05		
21		Low Ambient Control	See Accessories Group			

No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14 60 1B			
ELECTRICAL/FAN GROUP						
7	Stk	Fan Motor - Before Date Code 1112	51-102728-12			
7	Stk	Fan Motor - After Date Code 1112	51-102008-09			
9	Stk	Fan Blade	70-21858-17			
16	Stk	Contactator	42-42478-02			
17		Low Voltage Cover	See Panels - Miscellaneous			
18		Control Box Bottom	AE-100655-01			
19		Capacitor	See Compressor Group			
20	Stk	Defrost Control Board - Before Date Code 1112	47-102685-04			
20	Stk	Defrost Control Board - After Date Code 1112	47-102684-02			
21		Low Ambient Control	See Accessories Group			

No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14	HRG14	HRG14	HRG14
			18 1B	24 1B	30 1B	36 1B
COIL GROUP						
11	Stk	Condenser Coil	AS-103032-03	AS-103032-03	AS-101768-03	AS-103014-03
13		Valve Mounting Bracket	AE-57781-01	AE-57781-01	AE-57781-02	AE-57781-02
14		Service Valve - Suction	61-21368-23	61-21368-23	61-21368-07	61-21368-07
15		Service Valve - Liquid	61-21368-05	61-21368-05	61-21368-05	61-21368-05
22		Bulkhead Valve	61-22369-04	61-22369-04	61-22369-04	61-22369-04
		Locknut - Bulkhead Valve	63-22368-01	63-22368-01	63-22368-01	63-22368-01
		Access Valve Body	61-18542-01	61-18542-01	61-18542-01	61-18542-01
		Valve Core	61-18551-01	61-18551-01	61-18551-01	61-18551-01
		Valve Cap	83-100635-01	83-100635-01	83-100635-01	83-100635-01
	Stk	Filter Drier	83-41719-04	83-41719-04	83-41719-04	83-41719-04
		Charge Compensator	N/A	N/A	N/A	83-25361-01
		TXV/Distributor Assembly	61-102437-02	61-102437-02	61-102437-03	61-102437-03
	Stk	Reversing Valve	61-102498-04	61-102498-02	61-102498-02	61-102498-02
	Stk	Solenoid Coil - Reversing Valve	61-101713-92	61-101713-92	61-101713-92	61-101713-92
		Wiring Harness - Reversing Valve	61-26149-03	61-26149-03	61-26149-03	61-26149-03

No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14	HRG14	HRG14	
			42 1B	48 1B	60 1B	
COIL GROUP						
11	Stk	Condenser Coil	AS-101760-03	AS-101771-01	AS-101771-01	
13		Valve Mounting Bracket	AE-57781-02	AE-57781-02	AE-57781-02	
14		Service Valve - Suction	61-21368-22	61-21368-08	61-21368-08	
15		Service Valve - Liquid	61-21368-05	61-21368-05	61-21368-05	
22		Bulkhead Valve	61-22369-04	61-22369-04	61-22369-04	
		Locknut - Bulkhead Valve	63-22368-01	63-22368-01	63-22368-01	
		Access Valve Body	61-18542-01	61-18542-01	61-18542-01	
		Valve Core	61-18551-01	61-18551-01	61-18551-01	
		Valve Cap	83-100635-01	83-100635-01	83-100635-01	
	Stk	Filter Drier	83-41719-04	83-41719-04	83-41719-04	
		Charge Compensator	N/A	83-25361-09	N/A	
		TXV/Distributor Assembly	61-102437-05	61-102437-08	61-102437-08	
	Stk,1	Reversing Valve - See Note 1	61-102498-02	61-101684-06	61-101684-03	
	Stk	Solenoid Coil - Reversing Valve	61-101713-92	61-101713-01	61-101713-01	
		Wiring Harness - Reversing Valve	61-26149-03	61-26149-03	61-26149-03	

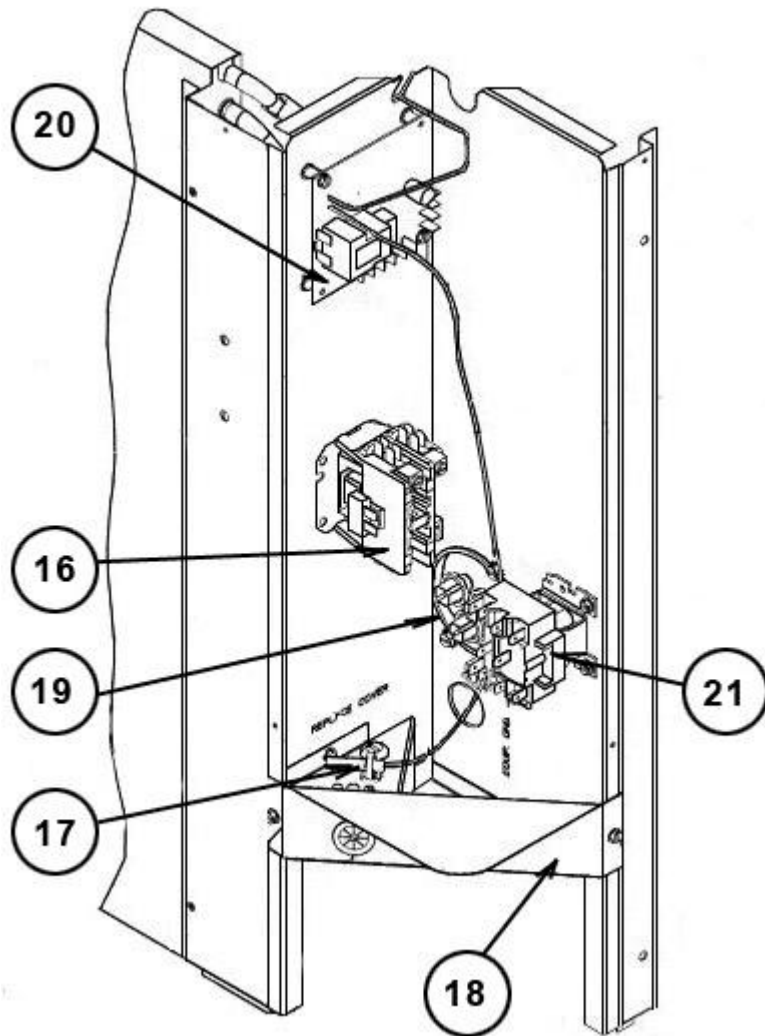
No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14 18 1B	HRG14 24 1B	HRG14 30 1B	HRG14 36 1B
COMPRESSOR GROUP						
		Compressor ID:	7978	7979	7980	7981
10	Stk	Compressor	55-102045-14S	55-102045-01S	55-102045-02S	55-102045-03S
19	Stk	Capacitor - Fan/Compressor (2 inch diameter)	43-26261-40	43-101665-09	43-26271-46	43-26271-48
19	Stk	Capacitor - Fan/Compressor (2-1/2 inch diameter)	N/A	N/A	43-101665-46	43-101665-48
	Stk	Compressor Wiring Harness (Molded Plug)	45-100834-80	45-100834-80	45-100834-80	45-100834-80
		Crankcase Heater	N/A	N/A	N/A	N/A
		Muffler	83-26251-01	83-26251-01	83-26251-01	83-26251-01
		Charge Compensator	See Coil Group			

No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14 42 1B	HRG14 48 1B	HRG14 60 1B	
COMPRESSOR GROUP						
		Compressor ID:	7982	7983	7984	
10	Stk	Compressor	55-102045-15S	55-102045-09S	55-102045-26S	
19	Stk	Capacitor - Fan/Compressor (2 inch diameter)	43-26271-48	N/A	N/A	
19	Stk	Capacitor - Compressor (2-1/2 inch diameter, for ECM Fan Motor Units)	N/A	43-101666-29	43-101666-29	
19	Stk	Capacitor - Fan/Compressor (2-1/2 inch diameter, for PSC Fan Motor Units)	43-101665-48	43-101665-53	43-101665-53	
	Stk	Compressor Wiring Harness (Molded Plug)	45-100834-80	45-100834-80	45-100834-80	
		Crankcase Heater	N/A	44-103663-01	44-103663-01	
		Muffler	83-26251-01	83-26251-01	83-26251-01	
		Charge Compensator	See Coil Group			

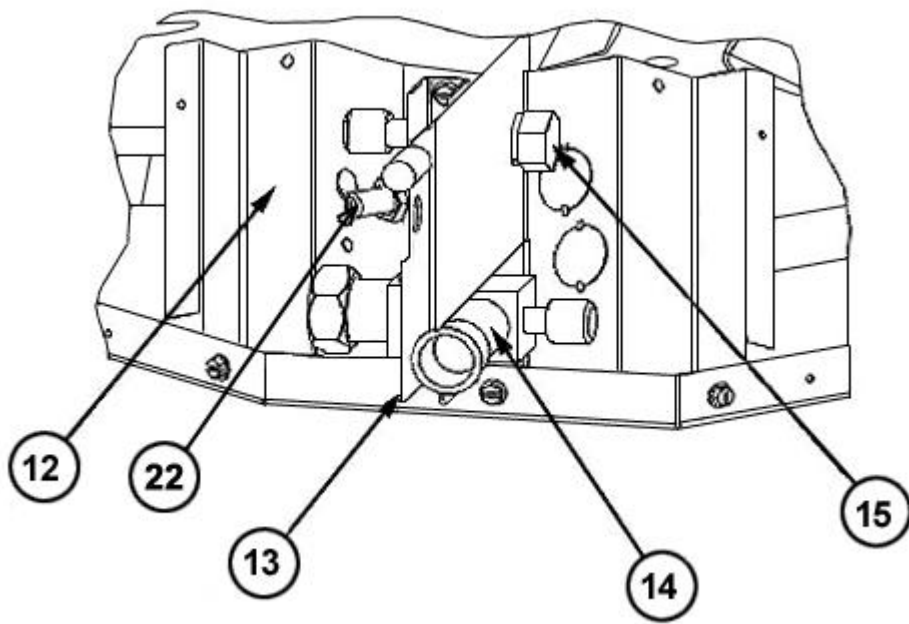
No.	Notes	MODEL COOLING CAPACITY VARIATION	HRG14 ALL ALL
ACCESSORIES			
		Low Ambient Control	RXAD-A08
		Outdoor Thermostat (One Thermostat w/box)	RXPT-A01
		Outdoor Thermostat (One Thermostat w/o box)	RXPT-A02
		Outdoor Thermostat (One w/Heat Relay and box)	RXPT-A03
		Outdoor Thermostat (Two Thermostats w/Heat and box)	RXPT-A04
		Heat Pump Monitor	RXPM-B01
		Compressor Time Delay Control	RXMD-B01
		Blower Time Delay Control	RXMD-C04
		High Pressure Control	RXAB-A07



Exploded View



Control Box Assembly



Valve Mounting Detail

NOTES

Stk It is recommended that stock be maintained for this part.

N/A Not Applicable

- 1 The reversing valve specified for 048 models may be different than the one originally supplied with the equipment. The use of the specified valve is recommended for improved shifting performance.