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# COMFORT-AIRE RSD1248-1Z Owner's Manual

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**HEAT CONTROLLER - COOL  
RSD1018 - RSD1260**

S/N	Part Number	Description	RSD1018-1	RSD1024-1	RSD1030-1	RSD1036-1	RSD1042-1	RSD1048-1	RSD1060-1
			W1	W1	W1	W1	1Z	1Z	1Z
			1.5T	2T	2.5T	3T	3.5T	4T	5T
			Chass B	Chass B	Chass B	Chass B	Chass B	Chass B	Chass C
			5/16", H20, 18FPI (20), 22.5" Ht	5/16", H20, 22 FPI, 22.5" Ht	3/8", H20, 22FPI, 22.5" Ht	3/8", H24, 18FPI, 26.5" Ht	3/8", H30, 18FPI, 32.5" Ht	3/8", H30, 22FPI, 32.5" Ht	3/8" H30, 18FPI, 32.5" Ht.
	550815	Accumulator, 1.5T - 3T							
	550818	Accumulator, 3.5T - 5T							
1	373208670003	Base Pan, Chassis B	1	1	1	1	1	1	
1	654535	Base Pan, Chassis C							1
7	654534	Bracket, Wire Partition, Cool	1	1	1	1	1	1	1
	654557	Bracket, Wire Partition, HP							
9	450360	Capacitor 25/7.5/370							
9	450971	Capacitor 30/7.5/370							
9	450362	Capacitor 35/7.5/370	1	1					
9	450370	Capacitor 45/7.5/370			1	1		1	
9	450364	Capacitor 40/7.5/440					1		
9	450376	Capacitor 60/7.5/440							
9	450502	Capacitor 80/7.5/370							
9	450503	Capacitor 50/7.5/370							
9	450504	Capacitor 55/7.5/370							
9	450505	Capacitor 60/7.5/370							1
	370106080001	Check Valve							
15	194200110001	Coil Jacket, B, H20							
15	194200110001	Coil Jacket, B, H20, 3/8"	1	1	1				
15	654554	Coil Jacket, B, H24							
15	194200120001	Coil Jacket, B, H24, 3/8"				1			
15	654551	Coil Jacket, B, H30							
15	194200130001	Coil Jacket, B, H30, 3/8"					1	1	
15	194200160001	Coil Jacket, C, H24, 3/8"							
15	194200140001	Coil Jacket, C, H30, 3/8"							1
15	194200150001	Coil Jacket, C, H36, 3/8"							
2	50160304N001	Compressor - AWF	1						
2	50160302N001	Compressor - AWF		1					
2	50160303N001	Compressor - AWF			1				
2	50160305N001	Compressor - AWF				1			
2	50160276N001	Compressor							
2	50160278N001	Compressor							
2	50160279N001	Compressor							
2	50160281N001	Compressor							
2	50160294N001	Compressor					1		
2	50160267N001	Compressor						1	
2	50160299N001	Compressor							1
2	50160284N001	Compressor							
2	50160286N001	Compressor							
2	50160288N001	Compressor							
2	50160290N001	Compressor							
2	50160294N001	Compressor							
2	50160295N001	Compressor							

RSD10 & 12 Parts

**HEAT CONTROLLER - COOL  
RSD1018 - RSD1260**

S/N	Part Number	Description	RSD1018-1	RSD1024-1	RSD1030-1	RSD1036-1	RSD1042-1	RSD1048-1	RSD1060-1
			W1	W1	W1	W1	1Z	1Z	1Z
			1.5T	2T	2.5T	3T	3.5T	4T	5T
			Chass B	Chass B	Chass B	Chass B	Chass B	Chass B	Chass C
			5/16", H20, 18FPI (20), 22.5" Ht	5/16", H20, 22 FPI, 22.5" Ht	3/8", H20, 22FPI, 22.5" Ht	3/8", H24, 18FPI, 26.5" Ht	3/8", H30, 18FPI, 32.5" Ht	3/8", H30, 22FPI, 32.5" Ht	3/8" H30, 18FPI, 32.5" Ht.
2	50160297N001	Compressor							
	454252	Compressor grommet	4	4	4	4			
	454250	Compressor grommet					4	4	4
	453150	Contact, 2 pole, 25A	1	1	1	1	1		
	453770	Contact, 2 pole, 40A						1	1
6	654504	Control Panel Box, Chassis B	1	1	1	1	1	1	
6	654536	Control Panel Box, Chassis C							1
10	654505	Cover, Control, Chassis B	1	1	1	1	1	1	
10	654537	Cover, Control, Chassis C							1
	060000	Crankcase Heater							
	7480062	Defrost Control							
	691100	Discharge Muffler							
	370106020005	Drier, Cool, 30g					1	1	1
	370106020004	Drier, Cool, 25g	1	1	1	1			
	194200070001	Drier, HP, 30g							
	194200080001	Drier, HP, 25g							
	550754	Expansion Valve, 1.5T - 3T							
	550764	Expansion Valve, 3.5T - 5T							
11	259000	Fan - Alum 18" 3 Blade	1	1	1				
11	259001	Fan - Alum 18" 4 Blade				1	1	1	
11	259003	Fan - Alum 22"							1
	550505	Flowrator-3 Pass, 0.144" feeder							
	550510	Flowrator-4 Pass, 0.144" feeder							
	550515	Flowrator-5 Pass, 3/16" feeder							1
	550517	Flowrator-6 Pass, 0.144" feeder							
	550508	Flowrator-3 Pass, 3/16" feeder							
	550512	Flowrator-4 Pass, 3/16" feeder							
	550519	Flowrator-5 Pass, 3/16" feeder							
14	654547	Grille Assembly, Chassis B	1	1	1	1	1	1	
14	654514	Grille Assembly, Chassis C							1
	061000	High Pressure control							
12	3590A0	Motor, 1/6HP, 60Hz	1	1	1				
12	359001	Motor, 1/5HP, 60Hz				1	1	1	
12	359004	Motor, 1/4HP, 60Hz							1
16	373108250081	Outdoor Coil - B, H20, 5/16", 20FPI	1	1					
16	373108060001	Outdoor Coil - B, H20, 3/8", 20FPI			1				
16	373108410001	Outdoor Coil - B, H24, 3/8", 20FPI							
16	373108470001	Outdoor Coil - B, H30, 3/8", 20FPI						1	
16	373108250001	Outdoor Coil - B, H20, 5/16", 18FPI							
16	373108800001	Outdoor Coil - B, H20, 3/8", 18FPI							
16	373108960081	Outdoor Coil - B, H20, 3/8", 18FPI							
16	373108740001	Outdoor Coil - B, H24, 5/16", 18FPI							

RSD10 & 12 Parts

**HEAT CONTROLLER - COOL  
RSD1018 - RSD1260**

S/N	Part Number	Description	RSD1018-1	RSD1024-1	RSD1030-1	RSD1036-1	RSD1042-1	RSD1048-1	RSD1060-1
			W1	W1	W1	W1	1Z	1Z	1Z
			1.5T	2T	2.5T	3T	3.5T	4T	5T
			Chass B	Chass B	Chass B	Chass B	Chass B	Chass B	Chass C
			5/16", H20, 18FPI (20), 22.5" Ht	5/16", H20, 22 FPI, 22.5" Ht	3/8", H20, 22FPI, 22.5" Ht	3/8", H24, 18FPI, 26.5" Ht	3/8", H30, 18FPI, 32.5" Ht	3/8", H30, 22FPI, 32.5" Ht	3/8" H30, 18FPI, 32.5" Ht.
16	373108120001	Outdoor Coil - B, H24, 3/8", 18FPI				1			
16	373108680001	Outdoor Coil - B, H24, 3/8", 18FPI							
16	373108190001	Outdoor Coil - B, H30, 3/8", 18FPI, 3 route					1		
16	373108610001	Outdoor Coil - B, H30, 3/8", 18FPI, 5 route							
16	373108870001	Outdoor Coil - B, H30, 3/8", 18FPI, 3 route							
16	373208130001	Outdoor Coil - C, H24, 3/8", 18FPI, 4 route							
16	373208390001	Outdoor Coil - C, H24, 3/8", 18FPI, 3 route							
16	373208150001	Outdoor Coil - C, H24, 3/8", 18FPI, 4 route							
16	373208080001	Outdoor Coil - C, H30, 3/8", 18FPI							1
16	373208230001	Outdoor Coil - C, H36, 3/8", 18FPI, 6 route							
16	373208250001	Outdoor Coil - C, H36, 3/8", 18FPI, 6 route							
	550541	Piston, 0.045"							
	550530	Piston, 0.053" (ID/OD)	1						
	550532	Piston, 0.055" (ID/OD)							
	550535	Piston, 0.059" (ID/OD)		1					
	550555	Piston, 0.062"			1				
	550536	Piston, 0.063"							
	550531	Piston, 0.065" (indoor)							
	550537	Piston, 0.068" (indoor)				1			
	550538	Piston, 0.070" (indoor)							
	550560	Piston, 0.072" (indoor)							
	550540	Piston, 0.074" (indoor)							
	550542	Piston, 0.076" (indoor)							
	550554	Piston, 0.078" (indoor)					1		
	550543	Piston, 0.082" (indoor)							
	550544	Piston, 0.084" (indoor)						1	
	550539	Piston, 0.090" (indoor)							
	550548	Piston, 0.096 (indoor)							1
	550549	Piston, 0.098" (indoor)							
	550561	Piston, 0.101" (indoor)							
	550557	Piston, HP Mixing, 157							
5	654549	Panel, Bottom, B, H20	1	1					
5	654508	Panel, Bottom, B, H20, 3/8"			1				
5	654502	Panel, Bottom, B, H24							
5	654563	Panel, Bottom, B, H24, 3/8"				1			
5	654503	Panel, Bottom, B, H30							
5	654509	Panel, Bottom, B, H30, 3/8"					1	1	
5	654567	Panel, Bottom, C, H24, 3/8"							
5	654568	Panel, Bottom, C, H30, 3/8"							1
5	654569	Panel, Bottom, C, H36, 3/8"							
	DHF11M.0 (550790)	Reversing Valve 1.5T - 3T							
	DHF20H.0 (550792)	Reversing Valve, 3.5T - 5T							
4	550803	Shut-off Valve 3/4"	1	1	1	1	1		

RSD10 & 12 Parts

**HEAT CONTROLLER - COOL  
RSD1018 - RSD1260**

			RSD1018-1 W1	RSD1024-1 W1	RSD1030-1 W1	RSD1036-1 W1	RSD1042-1 1Z	RSD1048-1 1Z	RSD1060-1 1Z
			1.5T Chass B	2T Chass B	2.5T Chass B	3T Chass B	3.5T Chass B	4T Chass B	5T Chass C
S/N	Part Number	Description	5/16", H20, 18FPI (20), 22.5" Ht	5/16", H20, 22 FPI, 22.5" Ht	3/8", H20, 22FPI, 22.5" Ht	3/8", H24, 18FPI, 26.5" Ht	3/8", H30, 18FPI, 32.5" Ht	3/8", H30, 22FPI, 32.5" Ht	3/8" H30, 18FPI, 32.5" Ht.
3	550802	Shut-off Valve 3/8"	1	1	1	1	1	1	1
4	550806	Shut-off Valve 7/8"						1	1
	654579	Stud Spacer - Compressor	4	4	4	4			
	654578	Stud Spacer - Compressor					4	4	4
	370104040001	Terminal Block (451045)							
	454391	Thermostat - Defrost							
13	654510	Top Cover Grille, Chassis B	1	1	1	1	1	1	
13	654540	Top Cover Grille, Chassis C							1
	373102010001	Wire PVC tube, Chassis B	1	1	1	1	1	1	
	373102020001	Wire PVC tube, Chassis C							1
	160602360017	Start Assist for Tecumseh comp	1	1	1	1			
	160602360018	Clip to mount start assist							

RSD10 & 12 Parts

HEAT CONTROLLER - COOL RSD1018 - RSD1260			RSD1242-1Z	RSD1248-1Z	RSD1260-1Z
			3.5T Chass C	4T Chass C	5T Chass C
S/N	Part Number	Description	3/8", H24, 18FPI, 26.5" Ht.	3/8", H30, 18FPI, 32.5" Ht.	3/8", H36, 18FPI, 38.5" Ht.
	550815	Accumulator, 1.5T - 3T			
	550818	Accumulator, 3.5T - 5T			
1	373208670003	Base Pan, Chassis B			
1	654535	Base Pan, Chassis C	1	1	1
7	654534	Bracket, Wire Partition, Cool	1	1	1
	654557	Bracket, Wire Partition, HP			
9	450360	Capacitor 25/7.5/370			
9	450971	Capacitor 30/7.5/370			
9	450362	Capacitor 35/7.5/370			
9	450370	Capacitor 45/7.5/370			
9	450364	Capacitor 40/7.5/440			
9	450376	Capacitor 60/7.5/440		1	
9	450502	Capacitor 80/7.5/370			1
9	450503	Capacitor 50/7.5/370			
9	450504	Capacitor 55/7.5/370	1		
9	450505	Capacitor 60/7.5/370			
	370106080001	Check Valve			
15	194200110001	Coil Jacket, B, H20			
15	194200110001	Coil Jacket, B, H20, 3/8"			
15	654554	Coil Jacket, B, H24			
15	194200120001	Coil Jacket, B, H24, 3/8"			
15	654551	Coil Jacket, B, H30			
15	194200130001	Coil Jacket, B, H30, 3/8"			
15	194200160001	Coil Jacket, C, H24, 3/8"			
15	194200140001	Coil Jacket, C, H30, 3/8"	1	1	
15	194200150001	Coil Jacket, C, H36, 3/8"			1
2	50160304N001	Compressor - AWF			
2	50160302N001	Compressor - AWF			
2	50160303N001	Compressor - AWF			
2	50160305N001	Compressor - AWF			
2	50160276N001	Compressor			
2	50160278N001	Compressor			
2	50160279N001	Compressor			
2	50160281N001	Compressor			
2	50160294N001	Compressor			
2	50160267N001	Compressor			
2	50160299N001	Compressor			
2	50160284N001	Compressor			
2	50160286N001	Compressor			
2	50160288N001	Compressor			
2	50160290N001	Compressor			
2	50160294N001	Compressor	1		
2	50160295N001	Compressor		1	

RSD10 & 12 Parts

HEAT CONTROLLER - COOL RSD1018 - RSD1260			RSD1242-1Z	RSD1248-1Z	RSD1260-1Z
			3.5T Chass C	4T Chass C	5T Chass C
S/N	Part Number	Description	3/8", H24, 18FPI, 26.5" Ht.	3/8", H30, 18FPI, 32.5" Ht.	3/8", H36, 18FPI, 38.5" Ht.
2	50160297N001	Compressor			1
	454252	Compressor grommet			
	454250	Compressor grommet	4	4	4
	453150	Contact, 2 pole, 25A			
	453770	Contact, 2 pole, 40A	1	1	1
6	654504	Control Panel Box, Chassis B			
6	654536	Control Panel Box, Chassis C	1	1	1
10	654505	Cover, Control, Chassis B			
10	654537	Cover, Control, Chassis C	1	1	1
	060000	Crankcase Heater			
	7480062	Defrost Control			
	691100	Discharge Muffler			
	370106020005	Drier, Cool, 30g	1	1	1
	370106020004	Drier, Cool, 25g			
	194200070001	Drier, HP, 30g			
	194200080001	Drier, HP, 25g			
	550754	Expansion Valve, 1.5T - 3T			
	550764	Expansion Valve, 3.5T - 5T			
11	259000	Fan - Alum 18" 3 Blade			
11	259001	Fan - Alum 18" 4 Blade			
11	259003	Fan - Alum 22"	1	1	1
	550505	Flowrator-3 Pass, 0.144" feeder			
	550510	Flowrator-4 Pass, 0.144" feeder	1		
	550515	Flowrator-5 Pass, 3/16" feeder		1	
	550517	Flowrator-6 Pass, 0.144" feeder			1
	550508	Flowrator-3 Pass, 3/16" feeder			
	550512	Flowrator-4 Pass, 3/16" feeder			
	550519	Flowrator-5 Pass, 3/16" feeder			
14	654547	Grille Assembly, Chassis B			
14	654514	Grille Assembly, Chassis C	1	1	1
	061000	High Pressure control			
12	3590A0	Motor, 1/6HP, 60Hz			
12	359001	Motor, 1/5HP, 60Hz			
12	359004	Motor, 1/4HP, 60Hz	1	1	1
16	373108250081	Outdoor Coil - B, H20, 5/16", 20FPI			
16	373108060001	Outdoor Coil - B, H20, 3/8", 20FPI			
16	373108410001	Outdoor Coil - B, H24, 3/8", 20FPI			
16	373108470001	Outdoor Coil - B, H30, 3/8", 20FPI			
16	373108250001	Outdoor Coil - B, H20, 5/16", 18FPI			
16	373108800001	Outdoor Coil - B, H20, 3/8", 18FPI			
16	373108960081	Outdoor Coil - B, H20, 3/8", 18FPI			
16	373108740001	Outdoor Coil - B, H24, 5/16", 18FPI			

RSD10 & 12 Parts

HEAT CONTROLLER - COOL RSD1018 - RSD1260			RSD1242-1Z	RSD1248-1Z	RSD1260-1Z
			3.5T Chass C 3/8", H24, 18FPI, 26.5" Ht.	4T Chass C 3/8", H30, 18FPI, 32.5" Ht.	5T Chass C 3/8", H36, 18FPI, 38.5" Ht.
S/N	Part Number	Description			
16	373108120001	Outdoor Coil - B, H24, 3/8", 18FPI			
16	373108680001	Outdoor Coil - B, H24, 3/8", 18FPI			
16	373108190001	Outdoor Coil - B, H30, 3/8", 18FPI, 3 route			
16	373108610001	Outdoor Coil - B, H30, 3/8", 18FPI, 5 route			
16	373108870001	Outdoor Coil - B, H30, 3/8", 18FPI, 3 route			
16	373208130001	Outdoor Coil - C, H24, 3/8", 18FPI, 4 route			
16	373208390001	Outdoor Coil - C, H24, 3/8", 18FPI, 3 route			
16	373208150001	Outdoor Coil - C, H24, 3/8", 18FPI, 4 route			
16	373208080001	Outdoor Coil - C, H30, 3/8", 18FPI	1	1	
16	373208230001	Outdoor Coil - C, H36, 3/8", 18FPI, 6 route			
16	373208250001	Outdoor Coil - C, H36, 3/8", 18FPI, 6 route			1
	550541	Piston, 0.045"			
	550530	Piston, 0.053" (ID/OD)			
	550532	Piston, 0.055" (ID/OD)			
	550535	Piston, 0.059" (ID/OD)			
	550555	Piston, 0.062"			
	550536	Piston, 0.063"			
	550531	Piston, 0.065" (indoor)			
	550537	Piston, 0.068" (indoor)			
	550538	Piston, 0.070" (indoor)			
	550560	Piston, 0.072" (indoor)			
	550540	Piston, 0.074" (indoor)			
	550542	Piston, 0.076" (indoor)			
	550554	Piston, 0.078" (indoor)			
	550543	Piston, 0.082" (indoor)	1		
	550544	Piston, 0.084" (indoor)			
	550539	Piston, 0.090" (indoor)		1	
	550548	Piston, 0.096 (indoor)			
	550549	Piston, 0.098" (indoor)			
	550561	Piston, 0.101" (indoor)			1
	550557	Piston, HP Mixing, 157			
5	654549	Panel, Bottom, B, H20			
5	654508	Panel, Bottom, B, H20, 3/8"			
5	654502	Panel, Bottom, B, H24			
5	654563	Panel, Bottom, B, H24, 3/8"			
5	654503	Panel, Bottom, B, H30			
5	654509	Panel, Bottom, B, H30, 3/8"			
5	654567	Panel, Bottom, C, H24, 3/8"	1		
5	654568	Panel, Bottom, C, H30, 3/8"		1	
5	654569	Panel, Bottom, C, H36, 3/8"			1
	DHF11M.0 (550790)	Reversing Valve 1.5T - 3T			
	DHF20H.0 (550792)	Reversing Valve, 3.5T - 5T			
4	550803	Shut-off Valve 3/4"	1		

RSD10 & 12 Parts



**HEAT CONTROLLER - COOL  
RSD1018 - RSD1260**

			RSD1242-1Z	RSD1248-1Z	RSD1260-1Z
			<b>3.5T</b>	<b>4T</b>	<b>5T</b>
			Chass C	Chass C	Chass C
			3/8", H24, 18FPI, 26.5" Ht.	3/8", H30, 18FPI, 32.5" Ht.	3/8", H36, 18FPI, 38.5" Ht.
<b>S/N</b>	<b>Part Number</b>	<b>Description</b>			
3	550802	Shut-off Valve 3/8"	1	1	1
4	550806	Shut-off Valve 7/8"		1	1
	654579	Stud Spacer - Compressor			
	654578	Stud Spacer - Compressor	4	4	4
	370104040001	Terminal Block (451045)			
	454391	Thermostat - Defrost			
13	654510	Top Cover Grille, Chassis B			
13	654540	Top Cover Grille, Chassis C	1	1	1
	373102010001	Wire PVC tube, Chassis B			
	373102020001	Wire PVC tube, Chassis C	1	1	1
	160602360017	Start Assist for Tecumseh comp			
	160602360018	Clip to mount start assist			

RSD10 & 12 Parts