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SERVICE OFFICE
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Brantford, ON N3T 5L8
CANADA
519-720-9578

**For Service Center
Assistance Call:**
800-544-4881

591(X)6.(X)3(X)(X) Modularized Roof Top A/C Heat Pump

PARTS LIST

MODEL Number	Product Number
59136.331(X)	991760309
59136.336(X)	991760387
59136.531(X)	991731780
59136.536(X)	991760377
59136.631(X)	991731781
59146.331(X)	991760310
59146.531(X)	991731782
59146.631(X)	991731783

Specification

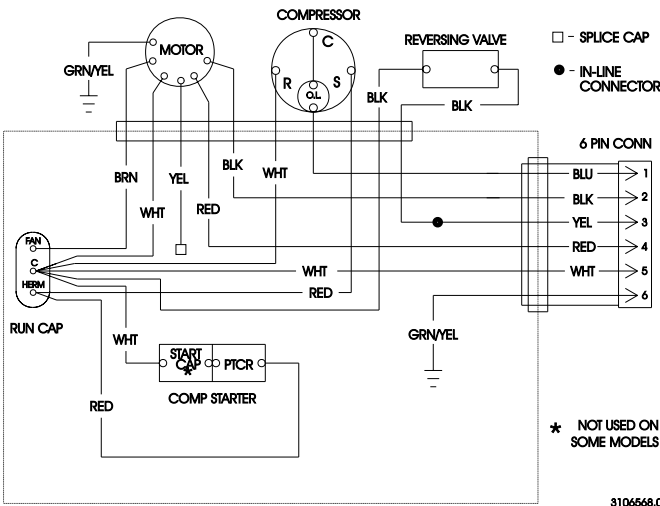
Model Number	591(X)6.33(X)(X)	591(X)6.53(X)(X)	591(X)6.631(X)
Nominal BTU Capacity*	15,000	15,000	15,000
Volts/Phase/Hertz (each circuit)	115 AC/1/60		
Compressor Run Amps	12.7	12.8	12.0
Compressor LRA	60	79.0	77
Fan Motor Run Amps	2.5	2.5	2.5
Fan Motor LRA	6.0	6.0	6.0
Heater Amps/Watts	N/A		
Wire size**	Up to 24 ft.- Use No. 12AWG Copper Conductors		
AC Circuit Protection	20 Amp Time Delay Fuse or 20 Amp HACR Circuit Breaker		
DC Circuit Protection	Installation must comply with all National, State, Province, and/or electrical codes.		
Refrigerant	R-22		
System Refrigerant Charge (ozs.)	34	31.5	34.5
Installed Weight (lbs.)	102	102	102
Generator Size (KW) - Min***			
1 Unit	3.5	3.5	3.5
2 Units	5.0	5.0	5.0

- * Maximum unit performance achieved at full rated voltage.
- ** For lengths over 24 feet, consult the National Electrical Code.
- *** Dometic Corporation gives general guidelines for generator requirements. These guidelines come from experiences people have had in actual applications. When sizing the generator, the total power usage of your recreational vehicle must be considered. Also keep in mind generators lose power at high altitudes and from lack of maintenance.

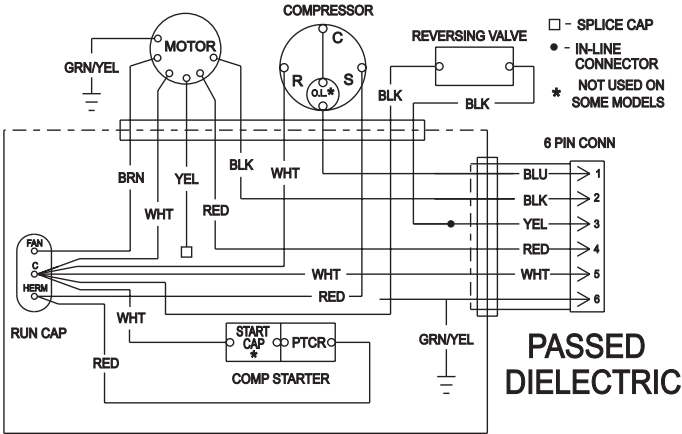
Wiring Diagram

59136.(X)3(X)

Early Version



Later Version

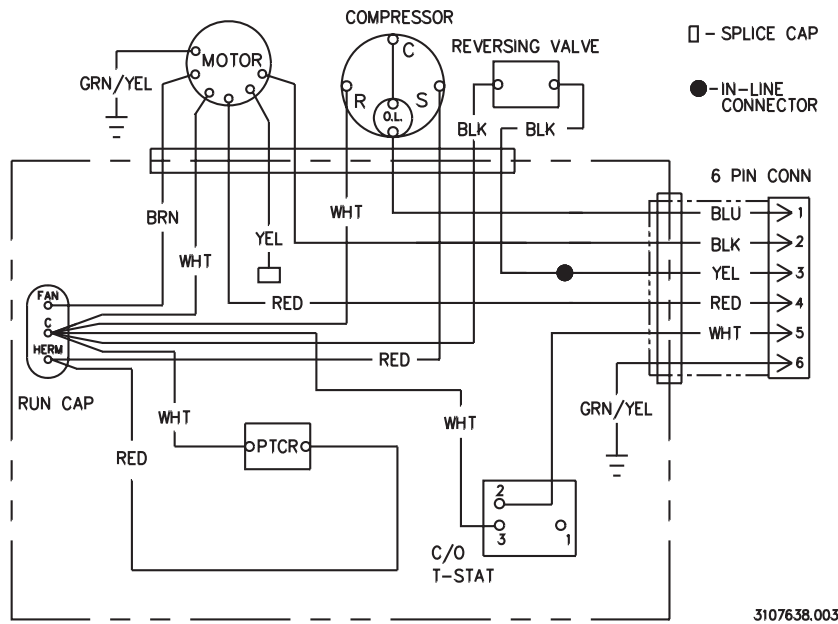


3106568.029

Wiring Diagram

59146.33(X)

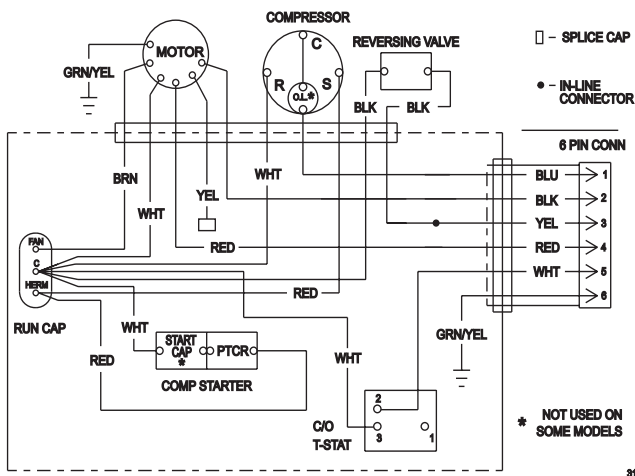
59146.53(X)



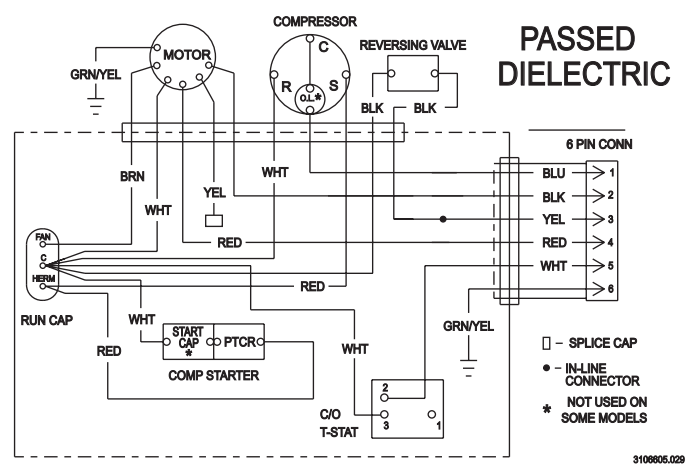
Wiring Diagram

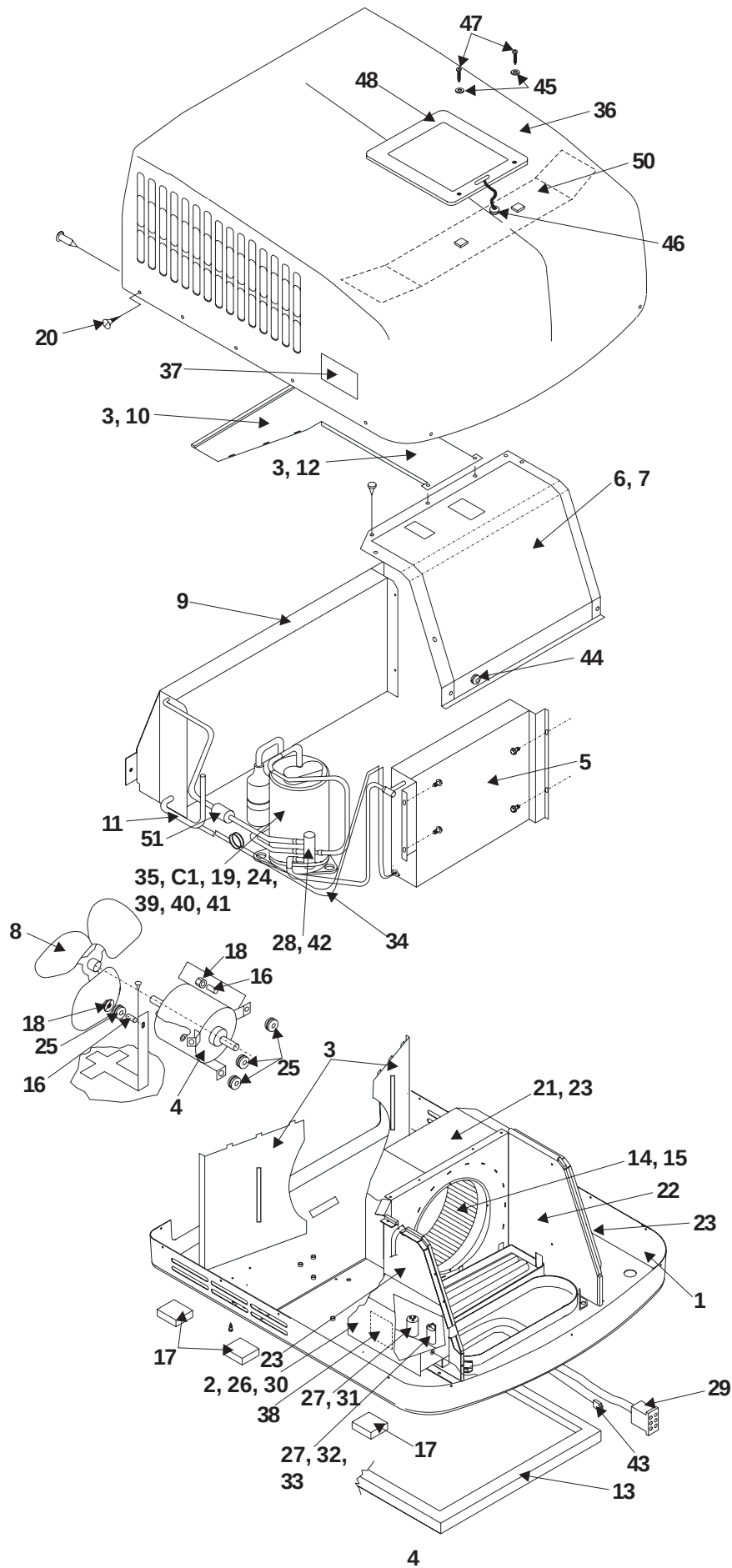
59146.631

Early Version



Later Version





Index No.	Description	Part No.	59136.331(X)	59136.336(X)	59136.531(X)	59136.536(X)	59136.631(X)	59146.331(X)	59146.531(X)	59146.631(X)
1	Kit, Basepan	3108709.928	A	B	C	D	E	F	G	H
2	Cover, Electrical Box	3100828.007	A	B	C	D	E	F	G	H
3	Bulkhead, Condenser	317923.001	A	B	C	D	E	F	G	H
	Bulkhead, Condenser	3308459.001	A	B	C	D	E	F	G	H
4	Fan Motor	3108706.916	A	B	C	D	E	F	G	H
5	Coil, Evaporator	3105520.021	A	B	C	D	E	F	G	H
6	Cover, Evaporator	314885.002	A	B	C	D	E	F	G	H
7	Insulation, Evaporator Cover	3105014.066	A	B	C	D	E	F	G	H
8	Blade, Fan Motor	3107914.008	A	B	C	D	E	F	G	H
9	Coil, Condenser	3105521.029	A	B	C	D	E	F	G	H
10	Cover, Condenser	309383.000	A	B	C	D	E	F	G	H
11	Line, Process	315761.082	A	B	C	D	E	F	G	H
12	Brace, Bulkhead	3100357.023	A	B	C	D	E	F	G	H
13	Gasket, Roof	3108678.008	A	B	C	D	E	F	G	H
14	Wheel, Blower	3104887.009	A	B	C	D	E	F	G	H
15	Ring, Blower Inlet	3106415.007	A	B	C	D	E	F	G	H
16	Spacer, Fan Motor (4 req.)	308046.002	A	B	C	D	E	F	G	H
17	Block, Foam (6 req.)	3100587.009	A	B	C	D	E	F	G	H
18	Nut, Flange Fan Motor (4 req.)	306342.003	A	B	C	D	E	F	G	H
19	Nut, Flange Compressor (3 req.)	306342.002	A	B	C	D	E	F	G	H
20	Screw, Open End Shroud	SEE NOTE 2	A	B	C	D	E	F	G	H
	Screw, Closed End Shroud	SEE NOTE 2	A	B	C	D	E	F	G	H
21	Housing, Blower	3100865.033	A	B	C	D	E	F	G	H
22	Bulkhead, Evaporator	3100831.092	A	B	C	D	E	F	G	H
23	Insulation, Set-Blower Housing	3104152.008	A	B	C	D	E	F	G	H
	A1 Insulation, LH Evaporator Bulkhead	_____	A	B	C	D	E	F	G	H
	A2 Insulation, RH Evaporator Bulkhead	_____	A	B	C	D	E	F	G	H
	A3 Insulation, Blower Housing	_____	A	B	C	D	E	F	G	H
24	Worm Clamp	3107614.004	A	B	C	D	E	F	G	H
25	Grommet, Fan Motor (4 req.)	3100230.022	A	B	C	D	E	F	G	H
26	Box, Electrical	3100827.066	A	B	C	D	E	F	G	H
27	Strap, Capacitor (2 req.)	317188.000	A	B	C	D	E	F	G	H
28	Solenoid, Reversing Valve w/harness	3109864.003	A	B	C	D	E	F	G	H
29	Plug, 6 Pole	3106625.019	A	B	C	D	E	F	G	H
30	Thermostat, Changeover	3105506.004	—	—	—	—	—	F	G	H
31	Fan/Run Capacitor	3100248.578	A	B	—	—	—	F	—	—
	Fan/Run Capacitor	3100248.511	—	—	C	D	—	—	G	—
	Fan/Run Capacitor	3100248.495	—	—	—	—	E	—	—	H
32	Starter, Compressor Motor	3106732.005	A	B	C	D	E	—	—	—
33	Relay, PTCR	3100876.006	—	—	—	—	—	F	G	H
34	Capillary Tube (2 req.)	3100245.467	A	B	—	—	E	F	—	H
	Capillary Tube (2 req.)	3100245.343	—	—	C	D	—	—	G	—
35	Asm., Compressor (80613142)	3108911.029	A	B	—	—	—	F	—	—
	C1 Overload Protector	3100250.384	A	B	—	—	—	F	—	—
	Asm., Compressor (2K21C126B-SADM)	3104616.044	—	—	C	D	—	—	G	—
	Asm., Compressor (RKC5515EXA)	3108147.004	—	—	—	—	E	—	—	H
36	Shroud	SEE NOTE 1	A	B	C	D	E	F	G	H
37	Decal, Shroud Heat Pump (2 req.)	3107443.016	A	B	C	D	E	F	G	H
38	Decal, Field Wiring	3106568.011	A	B	C	D	E	—	—	—
	Decal, Field Wiring	3106568.029	A	B	C	D	E	—	—	—
	Decal, Field Wiring	3107638.003	—	—	—	—	—	F	G	—
	Decal, Field Wiring	3106605.011	—	—	—	—	—	—	—	H
	Decal, Field Wiring	3106605.029	—	—	—	—	—	—	—	H
39	Grommet, Compressor (3 req.)	3100238.165	A	B	C	D	—	F	G	—
	Grommet, Compressor (3 req.)	3100238.207	—	—	—	—	E	—	—	H

Discontinued 10/12/03
Effective 10/13/03

Discontinued 10/12/03

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Index No.	Description	Part No.	59136.331(X)	59136.336(X)	59136.531(X)	59136.536(X)	59136.631(X)	59146.331(X)	59146.531(X)	59146.631(X)
40	Screw, Compressor (3 req.)	307987.021	A	B	C	D	E	F	G	-
	Screw, Compressor (3 req.)	307987.020	-	-	-	-	-	-	-	H
41	Sleeve, Compressor (3 req.)	3100239.072	A	B	C	D	-	F	G	-
	Sleeve, Compressor (3 req.)	3100239.122	-	-	-	-	E	-	-	H
42	Weldment, Reversing Valve	3105566.057	A	B	-	-	-	F	-	-
	Weldment, Reversing Valve	3109336.036	-	-	C	D	-	-	G	-
	Weldment, Reversing Valve	3109336.002	-	-	-	-	E	-	-	H
43	Sensor, Ambient 48"	3106483.021	A	B	C	D	E	-	-	-
44	Strain Relief, Evaporator Cover	302994.019	-	B	-	D	-	-	-	-
45	Washer (2 req.)	309513.039	-	B	-	D	-	-	-	-
46	Grommet, Shroud	3109283.014	-	B	-	D	-	-	-	-
47	Screw (2 req.)	3105445.005	-	B	-	D	-	-	-	-
48	Panel, Solar	3109856.009	-	B	-	D	-	-	-	-
49	Indicator, Charge (not shown)	3109855.019	-	B	-	D	-	-	-	-
50	Bracket, Field Template	3307853.006	-	B	-	D	-	-	-	-
51	Pad, Vibration	3107016.002	-	-	-	-	E	-	-	H

NOTE 1: **Open End Shroud (Shell White) 3309518.003**
 Open End Shroud (Polar White) 3309518.003
 Open End Shroud (Light Gray) 3309518.003
 ***Closed End Shroud (Shell White) 3308781.008**
 ***Closed End Shroud Polar White) 3308782.006**
 ***Closed End Shroud (Gray) 3308783.004**
 Closed End Shroud (Polar White) 3309364.002
 Closed End Shroud (Black) 3309364.010

*Shroud can not be painted.

NOTE 2: **Screw, Open End Shroud 313685.001 (Qty. 12)**
 Screw, Closed End Shroud 3308261.001 (Qty. 4)

Customer Options:	59136.(X)3(X)	59146.(X)31
Comfort Control Center	3109228.001	_____
Control Kit	3109226.005	_____
Sensor Kit, 20'	3106486.008	_____
Sensor Kit, 60'	3106486.016	_____
Sensor Kit, 40'	3106486.024	_____
Bolt Kit, 6"	3100895.006	3100895.006
Screen, Decorative	3101701.005	3101701.005
Bolt Kit, 9.5"	3100895.014	3100895.014
Cover Kit, Return Air SW	3105007.037	3105007.037
Cover Kit, Return Air PW	3105007.045	3105007.045
Cover Kit, Return Air SW	3105935.039	3105935.039
Cover Kit, Return Air PW	3105935.047	3105935.047
Asm., Return Air Grill SW	3308120.009	3308120.009
Asm., Return Air Grill PW	3308120.017	3308120.017
Box Asm., Complete SW	_____	3107209.003
Box Asm., Complete PW	_____	3107209.011
Box Asm., Complete SW	_____	3107208.021
Box Asm., Complete PW	_____	3107208.039
Control Kit, Analog Cool/Furn/HP	_____	3107546.008