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SERVICE OFFICE
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Dometic Distribution
866 Langs Drive
Cambridge, Ontario
CANADA N3H 2N7
519-653-4390

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

MODELS

620412.321

620415.321

620425.321

Includes Suffix C, D & E

620415.326

620425.326

Solar Panel Models

PARTS LIST

MODEL

620412.321

620415.321

620415.326

620425.321

620425.326

REVISION

Form No. 3107987.038 2/04

(Replaces 3107987.020)

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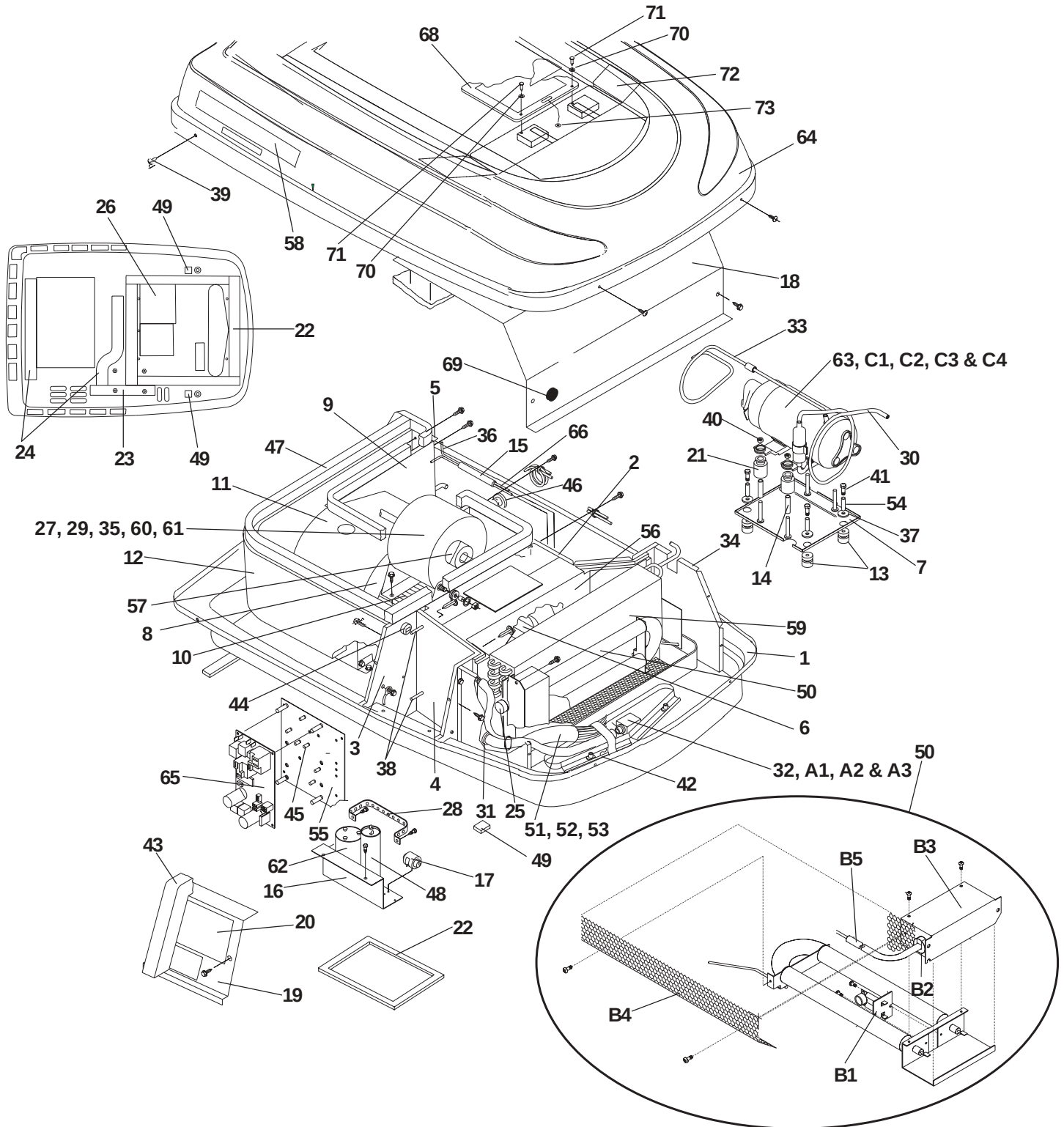
SPECIFICATIONS

MODEL NO.	620425.321 620425.326	620415.321 620415.326	620412.321
Nominal Capacity (BTU/HR)	13,500	13,500	11,000
Electrical Rating	115 VAC, 60 Hz., 1 PH.		
Compressor Rated Load Amps	12.4	12.4	9.5
Fan Motor Rated Load Amps	3.1	3.1	3.1
Compressor Locked Rotor Amps	60.0	60.0	53.0
Fan Motor Locked Rotor Amps	8.8	8.8	8.8
SCFM - High Speed Max./Min.	335/250		
Refrigerant (R22) oz.	15.5	15.5	16.5
Minimum Wire Size * (AC circuit.)	12 AWG Copper up to 24 ft.		
AC Circuit Protection (User Supplied)	20 Amp Time Delay Fuse or HACR Circuit Breaker		
DC Circuit Protection (User Supplied)	Installation must comply with all National, State, Province and/or Local Electrical Codes.		
Installed Weight (Pounds)	96	96	95
Minimum Generator 1 Unit	3.5KW	3.5 KW	2.5 KW
Size ** 2 Units	5.0KW	5.0 KW	4.0 KW

* For distances over 24 ft. 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 must be considered. Also keep in mind generators lose power at high altitudes and from lack of maintenance.

ROOF MOUNTED ASSEMBLY



Index #	Description	Part No.	620412.321	620415.321	620415.326	620425.321	620425.326
1	Kit, base pan	3103179.010	A	B	C	D	E
2	Bulkhead, compressor	3102511.056	A	B	C	D	E
3	Bulkhead, evaporator	3100254.055	A	B	C	D	E
4	Bulkhead, electrical box	3102532.029	A	B	C	D	E
5	Plate, close-off	3100256.001	A	B	C	D	E
6	Wheel, evaporator plastic	3100385.008	A	B	C	D	E
7	Plate, weldment compressor	3102590.035	A	B	C	D	E
8	Blower side, front	3100259.005	A	B	C	D	E
9	Blower side, rear	3100261.001	A	B	C	D	E
10	Wheel, blower	3100386.006	A	B	C	D	E
11	Blower scroll, condenser	3100260.003	A	B	C	D	E
12	Coil asm., condenser	3101467.003	A	B	C	D	E
13	Grommet, compressor mtg plate (4 req.)	3100238.207	A	B	C	D	E
14	Sleeve, compressor mtg. (4 req.)	3100239.072	A	B	C	D	E
15	Dryer, filter	3103882.001	A	B	C	D	E
16	Panel, capacitor	3104412.006	A	B	C	D	E
17	Relay, PTCR	3100876.006	A	B	C	D	E
18	Cover, evaporator	3102514.803	A	B	C	D	E
19	Cover, electrical box	3102510.009	A	B	C	D	E
20	Decal, field wiring	3107831.038	A	B	C	D	E
21	Grommet, compressor mtg. (4 req.)	3100238.181	A	B	C	D	E
22	Gasket, mounting	3100247.000	A	B	C	D	E
23	Gasket, roof	3100286.032	A	B	C	D	E
24	Gasket, roof 16" x 1.5" (2 req.)	3100286.016	A	B	C	D	E
25	Switch, low temperature	3106480.001	A	B	C	D	E
26	Insulation, housing bottom	3100294.002	A	B	C	D	E
27	Spacer, motor mount (4 req.)	308046.002	A	B	C	D	E
28	Strap, capacitor	317188.000	A	B	C	D	E
29	Grommet, motor (4 req.)	3100230.022	A	B	C	D	E
30	Line, suction	3102846.007	A	B	C	D	E
31	Relief, strain	302994.011	A	B	C	D	E
32	Asm. power cable	3108703.194	A	B	C	D	E
A1	Sleeving, fiberglass	3100394.109	A	B	C	D	E
A2	Box, junction	3101316.036	A	B	C	D	E
A3	Strain relief	302994.015	A	B	C	D	E
33	Line, discharge	3102847.005	A	B	C	D	E
34	Plate, evap close-off (split and use 1 each side)	3102512.021	A	B	C	D	E
35	Nut, flange #8-32 (4 req.)	306342.003	A	B	C	D	E
36	Line, process	315761.082	A	B	C	D	E
37	Washer, steel (4 req.)	309513.015	A	B	C	D	E
38	Standoff, PCB board (8 req.)	3101624.017	A	B	C	D	E
39	Screw, S 10-16 x .75" THCR/Shroud (4 req.)	313685.001	A	B	C	D	E
40	Nut, flange 5/16"-18 (4 req.)	306342.002	A	B	C	D	E
41	Screw, 1/4"-20 x .75" (4 req.)	312110.041	A	B	C	D	E
42	Bracket weld, front mounting	3105495.000	A	B	C	D	E
43	Tape, foam 1.25" x .75" x .63"	3102669.052	A	B	C	D	E
44	Relief, strain	302994.017	A	B	C	D	E
45	Support, PC board (3 req.)	3101623.019	A	B	C	D	E
46	Bushing, snap-in	301028.037	A	B	C	D	E
47	Tape, foam 1.25" x 1.25" x 33"	3102669.029	A	B	C	D	E
48	Capacitor, start	3100236.235	A	B	C	D	E
49	Block, ethafoam 2" x 2" x .75" (2 req.)	3100587.009	A	B	C	D	E

Index #	Description	Part No.	620412.321	620415.321	620415.326	620425.321	620425.326
50	Heater, assembly	3105513.000	A	B	C	-	-
B1	Switch, auto limit	3104568.005	A	B	C	-	-
B2	Relief, strain	302994.015	A	B	C	-	-
B3	Cover, heater	3104569.011	A	B	C	-	-
B4	Guard, heat element	3104570.001	A	B	C	-	-
B5	Sleeving, fiberglass 3/8"OD x 9"	3100394.117	A	B	C	-	-
51	Sleeving fiberglass	3100394.224	A	B	C	D	E
52	Connector assembly, 6 pin 32"	3107749.024	A	B	C	D	E
53	Connector assembly, 4 pin 32"	3107747.010	A	B	C	D	E
54	Sleeve, plate mounting (4 req.)	3100239.122	A	B	C	D	E
55	Plate, adapter mounting	3107965.042	A	B	C	D	E
56	Baffle, styrofoam	3108903.000	A	B	C	-	-
57	Collar, foam	3307807.002	A	B	C	D	E
58	Decal, shroud (2 req.) See Note 2	3109274.005	A	B	C	D	E
59	Coil, evaporator	3102677.006	A	-	-	-	-
		3104573.005	-	B	C	D	E
60	Motor assembly	3108706.924	A	B	C	D	E
61	Bracket, motor mounting (2 req.)	3106187.002	A	B	C	D	E
62	Capacitor, run	3100248.503	A	-	-	-	-
		3100248.321	-	B	C	D	E
63	Compressor assembly	3103402.024	A	-	-	-	-
		3102984.006	-	B	C	D	E
C1	Cover, terminal	3102321.001	A	B	C	D	E
C2	Gasket, terminal	3102320.003	A	B	C	D	E
C3	Protector, overload	3100250.210	A	-	-	-	-
		3100250.228	-	B	C	D	E
C4	Nut, flange	306342.005	A	B	C	D	E
64	Shroud, outer	See Note 1	A	B	C	D	E
65	Board, relay	3106996.030	A	B	C	D	E
66	Tube, capillary (2 req.)	3100245.392	A	-	-	-	-
		3100245.418	-	B	C	D	E
67	Indicator, charger (not shown)	3109855.019	-	-	C	-	E
68	Panel, solar	3109856.009	-	-	C	-	E
69	Strain relief	302994.019	-	-	C	-	E
70	Washer, SS (2 req.)	309513.039	-	-	C	-	E
71	Screw, (2 req.)	3105445.005	-	-	C	-	E
72	Bracket, field template	3307853.006	-	-	C	-	E
73	Grommet	3109283.014	-	-	C	-	E

CUSTOMER OPTIONS

NOTE1:

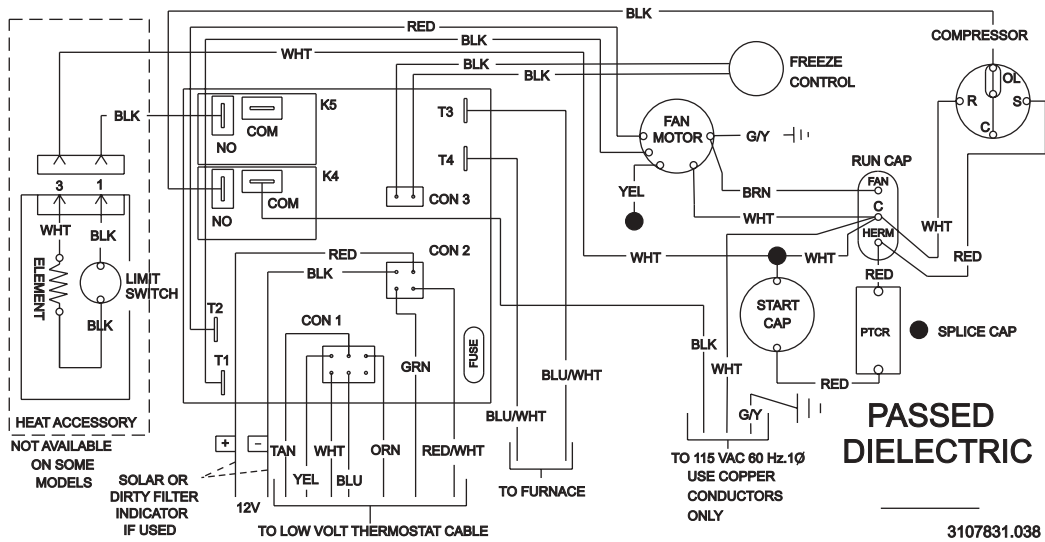
Models ending in .321 & .326 use 3308046.006-Shell White
 Models ending in .321C or E & .326C or E use 3308046.014-Polar White
 Models ending in .321D & .326D use 3308046.022-Light Gray

NOTE2:

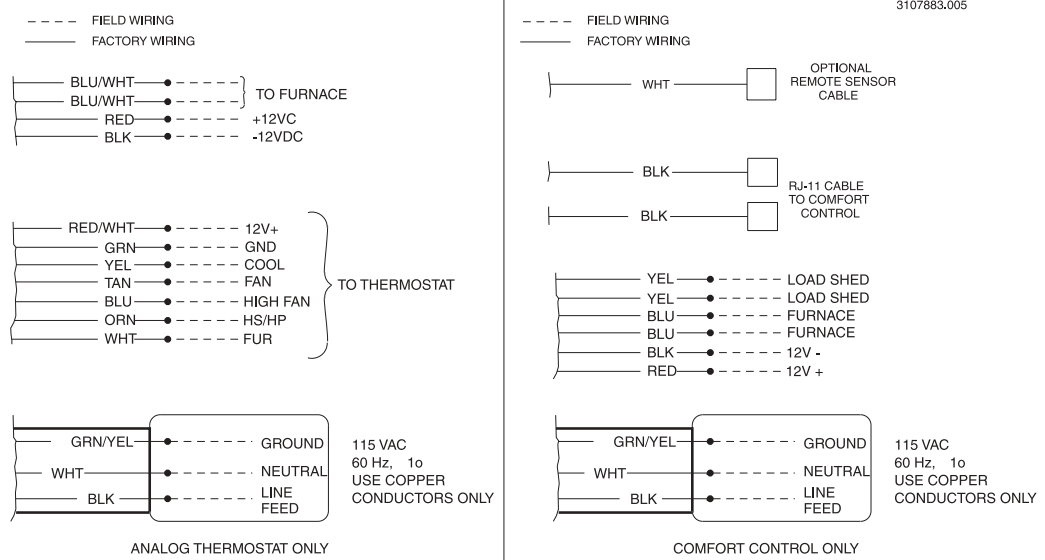
Not used on Models with suffix ending in E.

	620412.321	620425.321
	620415.321	620425.326
	620415.326	
Thermostat Asm., Cool-Furn-Heat Strip	3106995.065	-----
Thermostat, Cool-Furn		3106995.032
Air Distribution Box Asm., Shell White	3106615.002	3106615.002
Air Distribution Box Asm., Polar White	3106615.010	3106615.010
Cover Kit, Return Air-Shell White	3105007.003	3105007.003
Cover Kit, Return Air-Polar White	3105007.011	3105007.011
Cover Kit, Return Air/Quick Cool-Shell White	3105935.005	3105935.005
Cover Kit, Return Air/Quick Cool-Polar White	3105935.013	3105935.005
Cover Kit, Jct. Box Cover/Bolts/Connector	3107180.006	3107180.006
Asm., Return Air Grille-Shell White	3308120.009	3308120.009
Asm., Return Air Grille-Polar White	3308120.017	3308120.017
Cover Kit, Return Air-Shell White	3105007.037	3105007.037
Cover Kit, Return Air-Polar White	3105007.045	3105007.045
Cover Kit, Return Air/Quick Cool-Shell White	3105935.039	3105935.039
Cover Kit, Return Air/Quick Cool-Polar White	3105935.047	3105935.047

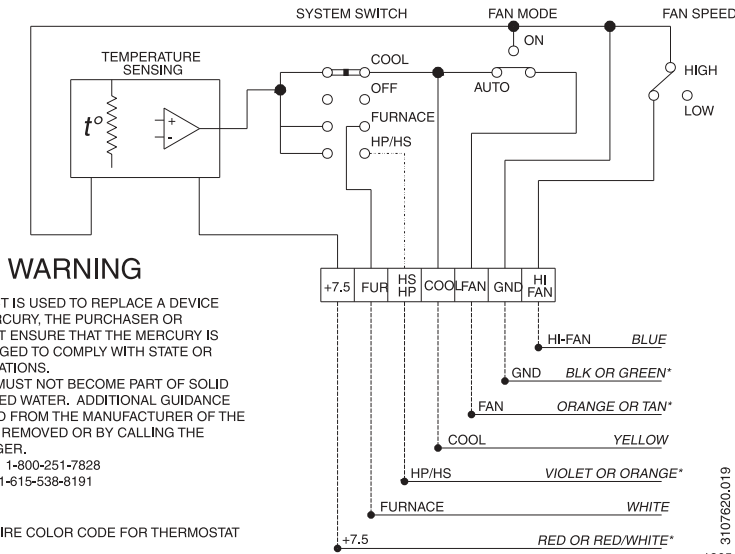
WIRING DIAGRAM



Air Box Wiring Diagram



THERMOSTAT DIAGRAM



WARNING

IF THIS PRODUCT IS USED TO REPLACE A DEVICE CONTAINING MERCURY, THE PURCHASER OR CONSUMER MUST ENSURE THAT THE MERCURY IS PROPERLY MANAGED TO COMPLY WITH STATE OR FEDERAL REGULATIONS. THE MERCURY MUST NOT BECOME PART OF SOLID WASTE OR WASTED WATER. ADDITIONAL GUIDANCE MAY BE OBTAINED FROM THE MANUFACTURER OF THE PRODUCT BEING REMOVED OR BY CALLING THE MATERIAL MANAGER.
(OUTSIDE TN) 1-800-251-7828
(INSIDE TN) 1-615-538-8191

* ALTERNATE WIRE COLOR CODE FOR THERMOSTAT