

Duo-THERM®

by Dometic

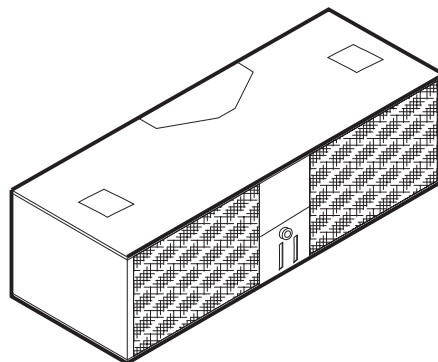
WHEN ORDERING SPARE PARTS, ALWAYS STATE:

MODEL NO. - PRODUCT NO. - QUANTITY -

PART NUMBER - DESCRIPTION

SELF-CONTAINED AIR CONDITIONER HEAT PUMP FOR RECREATIONAL VEHICLES

ROTARY COMPRESSOR SYSTEM MODEL 39424.602



USA

SERVICE OFFICE
The Dometic Corp.
509 So. Poplar St.
LaGrange, IN 46761
219-463-4858

CANADA

Dometic Dist.
866 Langs Dr.
Cambridge, Ontario
CANADA N3H 2N7
519-653-4390

For Service Center

Assistance Call:
800-544-4881

PARTS LIST

**SYSTEM
MODEL
39424.602**

Prod. No. 991741825

REVISION

Form No. 3107018.024 1/98

(Replaces 3107018.016)

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LaGrange, IN 46761

ALPHABETICAL INDEX

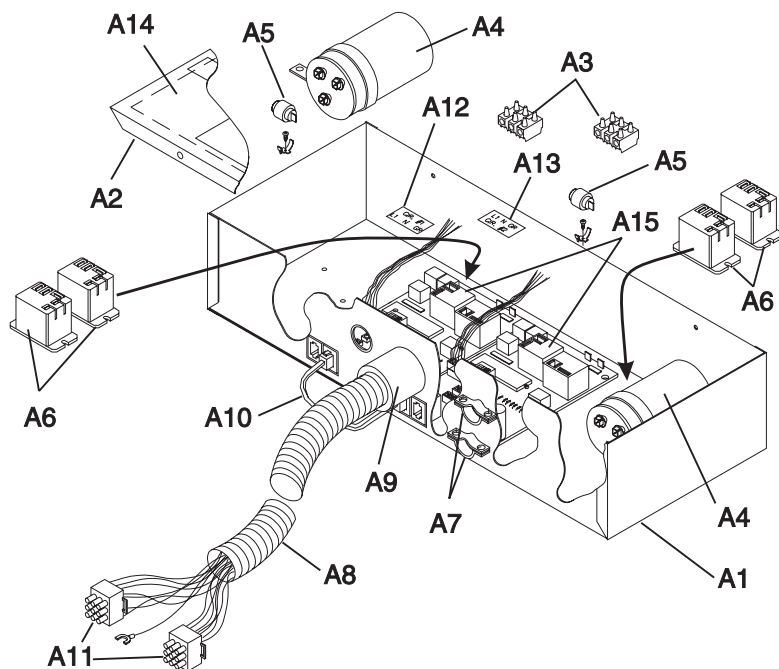
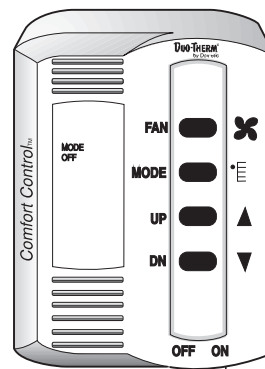
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SPECIFICATIONS

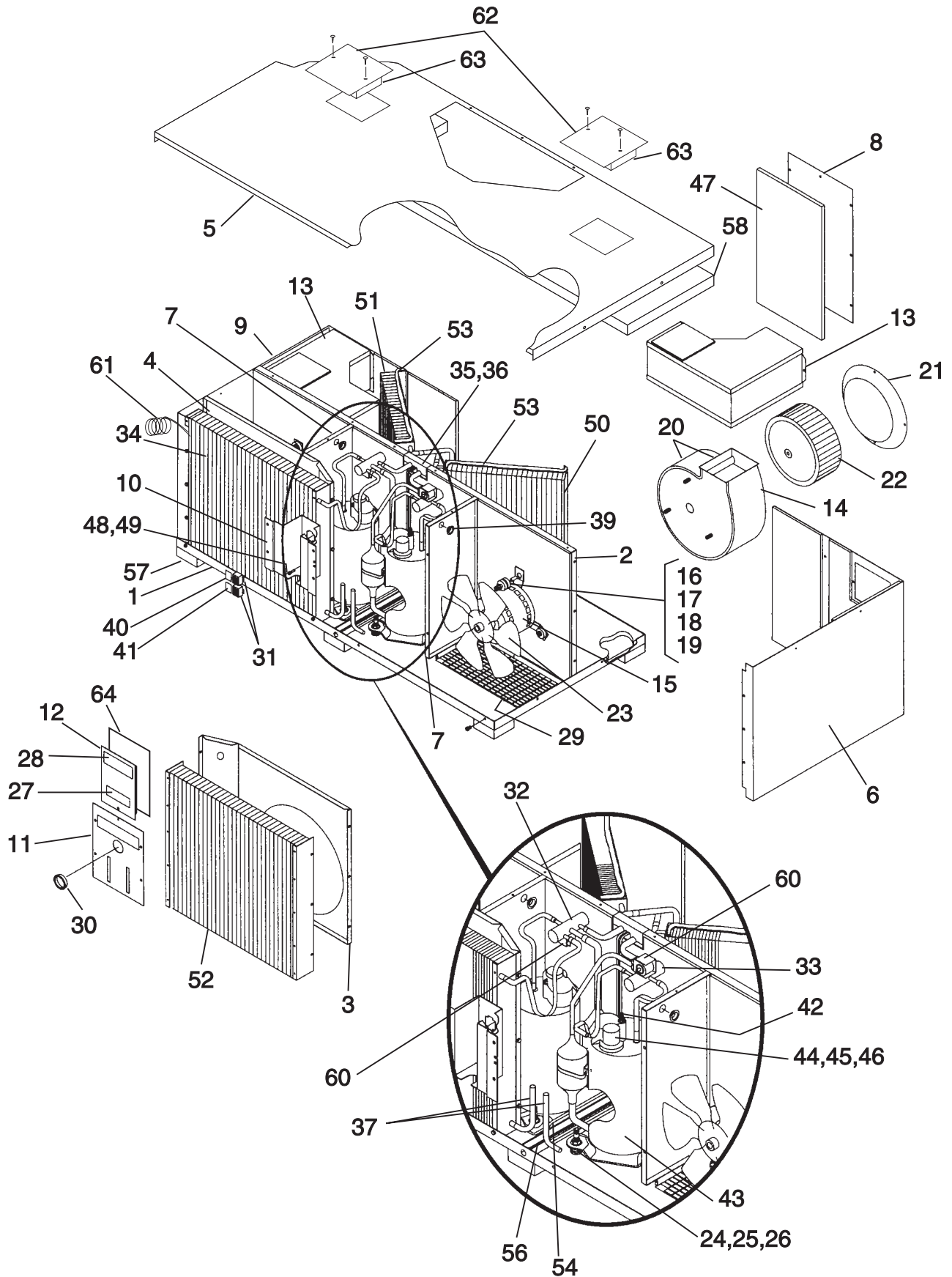
System Model		39424.602		
Nominal BTU Capacity		27,000		
Volts/Phase/Hertz (each circuit)		115 AC / 1 / 60		
Run Amps Comp/Motor		[Circuit 1 = 8.7/4.1]		[Circuit 2 = 8.7 /4.1]
LRA Compressor		[Circuit 1 = 54]		[Circuit 2 = 54]
Normal Min.	1 Unit	5.0 KW		
Generator Size **				
Wire Size		Up to 24 ft. - Use No. 12 AWG Copper Conductors		
Circuit Protection Each Circuit		15 Amp Time Delay Fuse or 15 Amp HACR Circuit Breaker		
Control Voltage		12V DC		
Refrigerant		R-22		
System Refrigerant Charge		22.5 oz. (each Circuit)		
Size (In Inches)		Width 44	Height 16.25	Depth 21
Installed Weight		185 Pounds		

** The Manufacturer gives only general guidelines for generator requirements. These generator requirements come from experiences consumers have with our equipment in field applications. When sizing the generator, the total electrical power must be taken into consideration. Keep in mind that generators lose power because of altitude increases above sea level , high outdoor temperatures and lack of maintenance.

CUSTOMER OPTION REQUIRED

Kit, Electrical Complete
3106689.007 & 3106689.015
**A**
Comfort Control Center
3106463.007
**B**

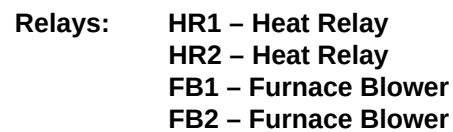
ITEM	DESCRIPTION	PART NO.	
A (A1-A16)	Kit, Electrical Complete	3106689.007	3106689.015
A1	Box, electric	Obsolete	
A2	Cover, electrical box	3106694.007	3106694.015
A3	Block, terminal (2 req.)	3105116.002	3105116.010
A4	Capacitor, Fan/Run	3102249.004	3102249.004
A5	Relay, PTCR (2 req)	3100248.453	3100248.453
A6*	Relay, T91/120V	3100876.006	3100876.006
A7	Connector cable	3106831.005	3106831.005
A8	Tubing, liquid tight	20010.000	20010.000
	Sleeving, vinyl coated	3105343.002	-----
A9	Connector, snap-in	-----	3107258.000
A10	Cable, asm.	3105344.000	3105344.000
A11	Plug, mate 9-pole (2 req.)	3106737.004	3106737.004
A12	Decal, circuit (CIR #1)	3106625.027	3106625.027
A13	Decal, circuit (CIR #2)	3105350.007	3105350.007
A14	Decal, field wiring	3105350.015	3105350.015
	Decal, field wiring (Alternate)	3106695.020	-----
	Decal, field wiring	3106695.012	-----
A15	Board, A/C power module	-----	3106695.038
	* See wiring diagram for quantity required	3106482.007	3106482.015
B	Center, Comfort Control	3106463.007	3106463.007
CUSTOMER OPTION NOT REQUIRED			
C	Connector asm., rnd. duct	3106882.008	3106882.008
	(Not Shown)		



ITEM	DESCRIPTION	PART NUMBER
1	Pan kit, base	3108701.560
2	Bulkhead, evaporator kit	3108701.578
3	Bulkhead, condenser right	3105109.007
4	Bulkhead, condenser left	3105109.015
5	Cover, top	3105111.011
6	Panel, right end, kit	3108701.586
7	Panel, cond. close off (2 req.)	3105113.009
8	Panel, air inlet	3105114.007
9	Panel, left end, kit	3108701.594
10	Box, field connect	3105143.006
11	Panel, vent	3105110.005
12	Cover, field connect box	3105117.000
13	Weldment, duct (2 req.)	3105118.008
14	Housing, weldment blower (2 req.)	3104387.018
15	Motor, fan (2 req.)	3106690.005
16	Washer, flat (6 req.)	309513.017
17	Spacer, motor mount (6 req.)	308046.002
18	Grommet (6 req.)	3100230.022
19	Nut, flange (6 req.)	306342.003
20	Plate, cutoff (2 req.)	317746.000
21	Ring, blower inlet (2 req.)	3106415.007
22	Wheel, blower (2 req.)	3106030.004
23	Blade, condenser fan (2 req.)	3105076.008
24	Nut, flange comp. (6 req.)	306342.002
25	Sleeve, comp. (6 req.)	3100239.122
26	Grommet, comp. (6 req.)	3100238.207
27	Decal, UAW/DIEL	316655.000
28	Decal, "Caution"	3100384.001
29	Guard, screen (2 req.)	3104287.002
30	Bushing	314420.009
31	Plug, female 9-pole (2 req.)	3106624.020
32	Valve, reversing weldment left	3105998.004
33	Valve, reversing weldment right	3105998.012
34	Coil, condenser left	3105967.016
35	Tube, capillary ext. RH	3106056.009
36	Tube, capillary ext. LH	3106057.007
37	Line, process (2 req.)	20309.005
39	Bushing, snap-in (2 req.)	311405.005
40	Decal, circuit (CIR #1)	3105351.005
41	Decal, circuit (CIR #2)	3105351.013
42	Nut, flange (2 req.)	306342.004
43	Compressor asm. (2 req.) Tecumseh RK5512E	3104291.004
44	Cover, terminal (2 req.)	3103799.007
45	Gasket, cover (2 req.)	3103800.003
46	Overload (2 req.)	3100250.293
47	Insulation, foam	3105014.025
48	Washer, ground	306092.000
49	Screw, T ground 10-32x .719	314628.000
50	Coil, evaporator, right	3105968.014
51	Coil, evaporator left	3105968.006
52	Coil, condenser right	3105967.008
53	Tape, foam (2) 15-1/2" pc.	311734.000
54	Tube, capillary (2 req.)	3100245.459
56	Channel, U .75 x .50 11 in. long	143371.001
57	Pad, vibration (6 req.)	3105159.002
58	Insulation, evaporator top	3105119.006
59	Foam blocks, not shown (2 req.)	3100587.009
60	Solenoid coil (2 req.)	3105504.009
61	Sensor, ambient	3106483.013
62	Cover, outlet	3105981.009
63	Insulation, housing, bottom	3100294.002
64	Decal, field wiring	3106772.001
	Customer Option (Required)	See Page 3
	Customer Option (Not Required)	See Page 3

WIRING DIAGRAM

A/C



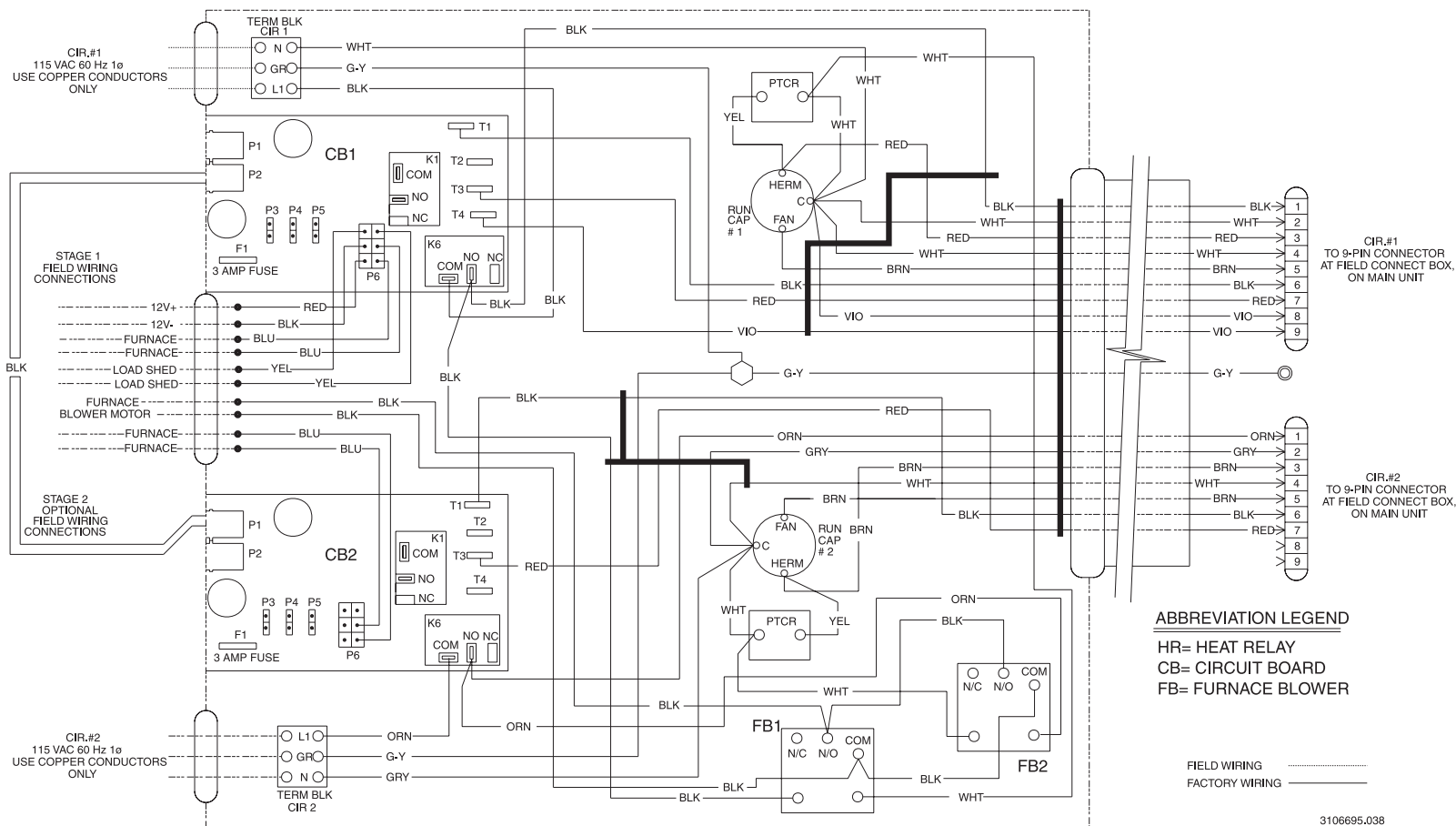
WIRING DIAGRAM

A/C — H/P UNIT



Relays: HR1 – Heat Relay
 HR2 – Heat Relay

WIRING DIAGRAM **CONTROL, ELECTRICAL BOX** **3106689.015**



Relays: **FB1 – Furnace Blower**
 FB2 – Furnace Blower