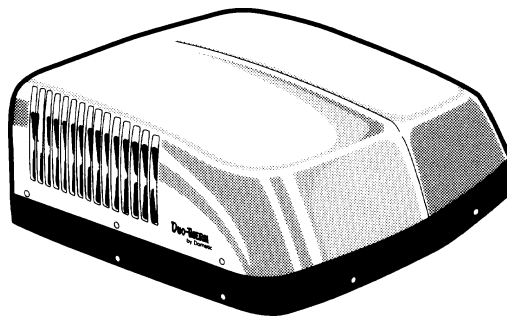




WHEN ORDERING SPARE PARTS, ALWAYS STATE:
MODEL NO. - PRODUCT NO. - QUANTITY -
PART NUMBER - DESCRIPTION

MODELS 59146.521 & 59146.621 Roof-Top Heat Pump



**THIS UNIT IS DESIGNED FOR OEM INSTALLATION
ALL INITIAL INSTALLATIONS MUST BE APPROVED BY THE SALES
DEPT.**

Includes C & D Suffix

PARTS LIST

**MODEL
59146.521
59146.621**

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

REVISION
Form No. 3107859.013 1/98
(Replaces 3107859.005)
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LaGrange, IN 46761

NOTES:

SPECIFICATIONS

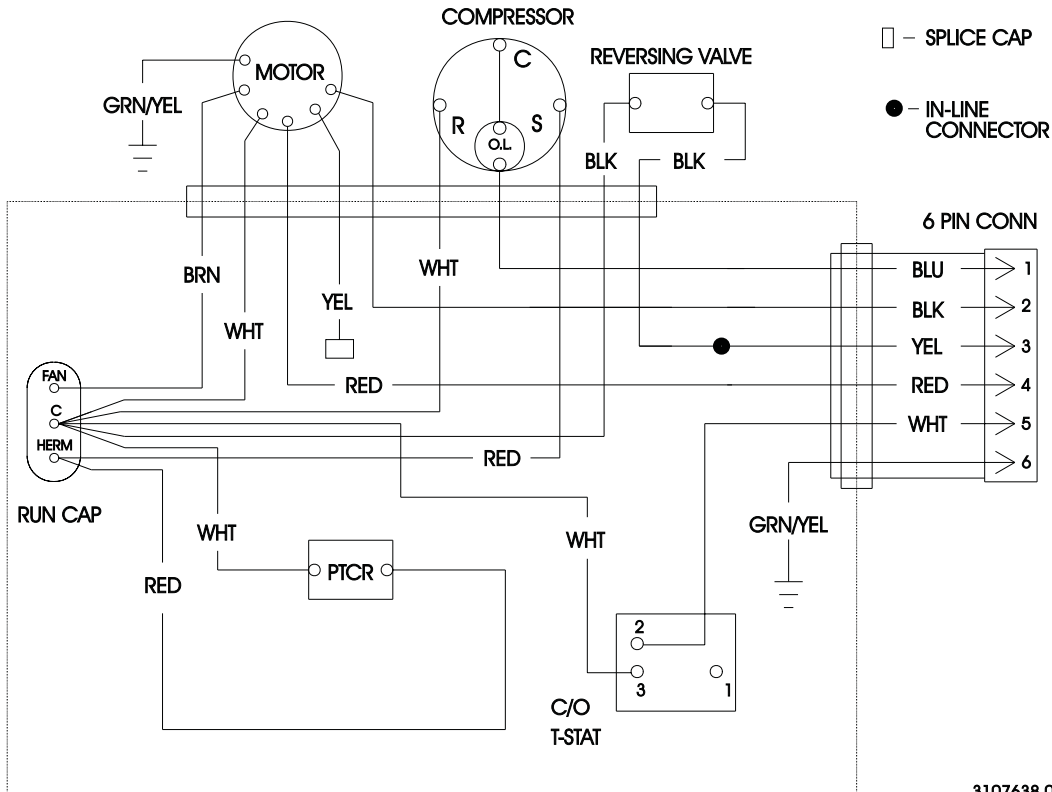
MODEL NO.	59146.521 & 59146.621
Nominal Capacity (BTU/HR)	Cooling ≈15,000/Heating = 14,000
Electrical Rating	115 VAC, 60 Hz., 1 PH.
Compressor Rated Load Amps	12.9
Fan Motor Rated Load Amps	4.0
Compressor Locked Rotor Amps	71.0
Fan Motor Locked Rotor Amps	12.8
Power, Cooling (KW)	1.95
SCFM-High Speed Max./Min.	450/300
Refrigerant (R22) oz.	34.5
Minimum Wire Size *	12 AWG Copper Up to 24 ft.
Circuit Protection	20 Amp Time Delay Fuse or HACR Circuit Breaker
Installed Weight (Pounds)	110
Minimum Generator	1 Unit 3.5 KW
Size **	2 Units 5.0 KW

*** For distances over 24 ft. consult the National Electrical Code.

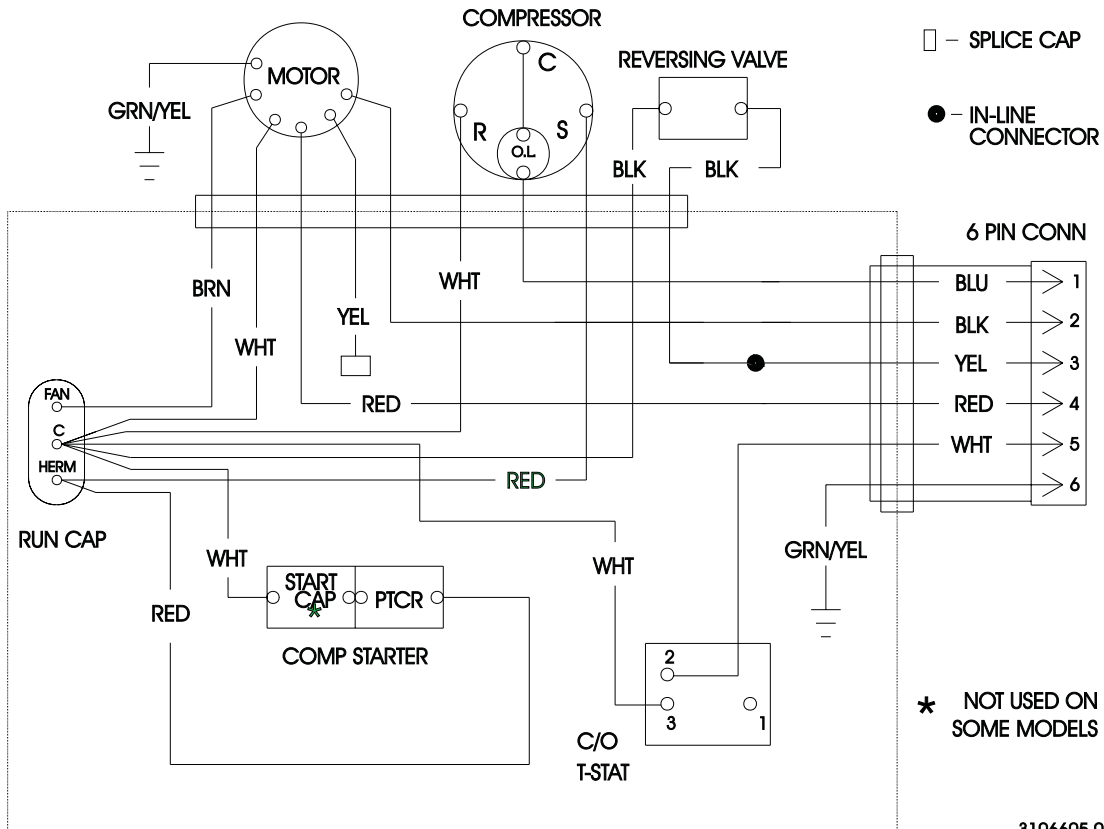
** The Dometic Corporation gives **GENERAL** guidelines for generator requirements. These guidelines come from experiences people have had in actual applications. When sizing the generator, the total power usage of your recreational vehicle must be considered. Also keep in mind generators lose power at high altitudes and from lack of maintenance.

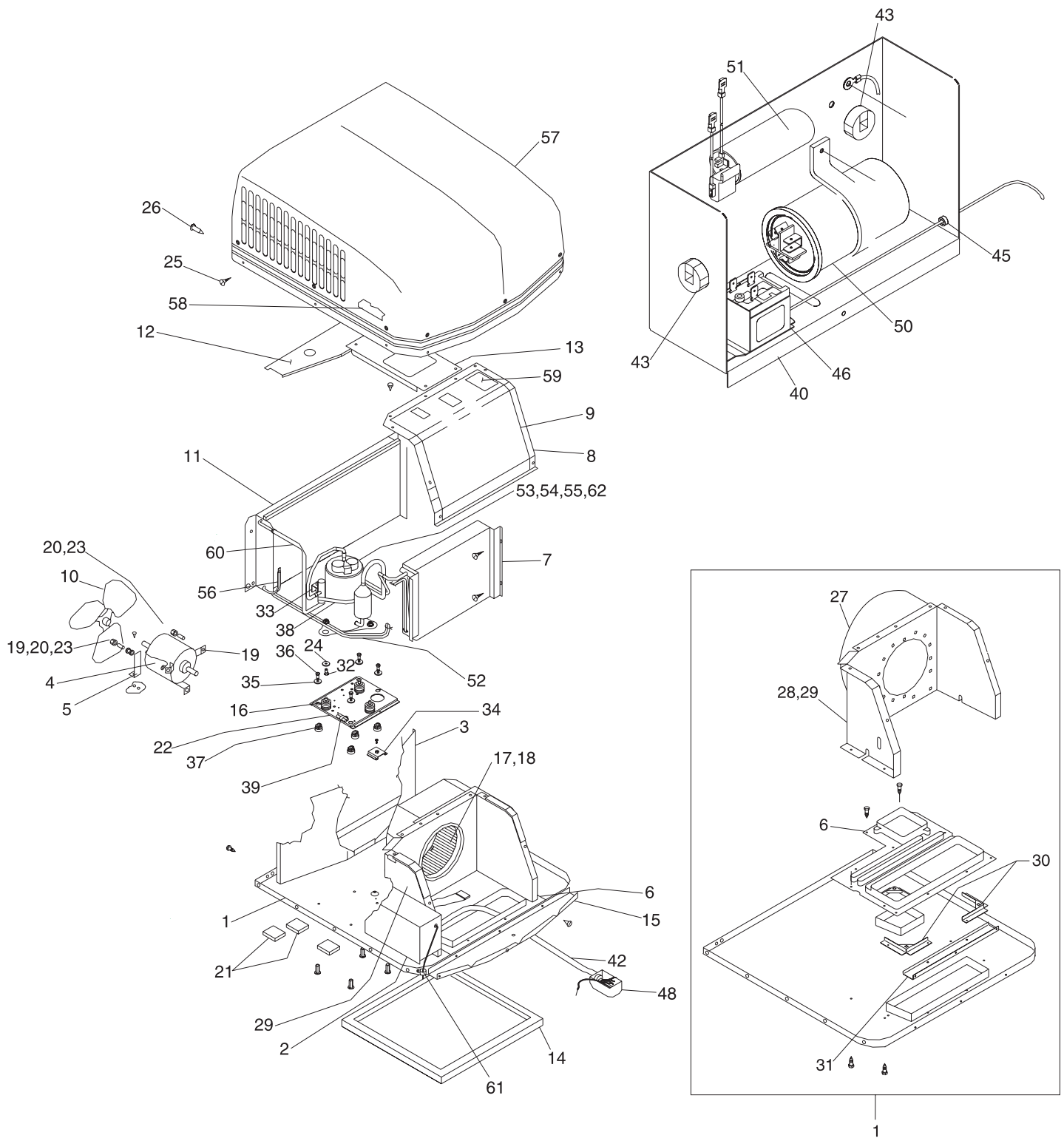
WIRING DIAGRAM

Model 59146.521



Model 59146.621





MODELS 59146.521 & 59146.621 ROOF-TOP HEAT PUMP

Index #	Description	59146.521 Part No.	59146.621 Part No.
1	Base pan (See Note 3)	3108705.348	3108705.348
2	Cover, electrical box	3100828.007	3100828.007
3	Bulkhead, condenser	317923.001	317923.001
4	Motor, fan	3108701.430	3108701.430
5	Kit, motor support	3108705.595	3108709.595
6	Pan, drain	See Note 3	See Note 3
7	Coil, evaporator	3105520.005	3105520.005
8	Cover, evaporator	314885.002	314885.002
9	Insulation, foam	3105014.066	3105014.066
10	Blade, fan plastic	317937.000	317937.000
11	Coil, condenser	3105521.003	3105221.003
12	Cover, condenser coil	309383.000	309383.000
13	Brace, bulkhead	3100357.023	3100357.023
14	Gasket, mtg.	3100247.000	3100247.000
15	Channel, front	3102811.001	3102811.001
16	Grommet, compressor mtg. (3 req.)	3100238.207	3100238.207
17	Wheel, blower	3104887.009	3104887.009
18	Ring, inlet	3106415.007	3106415.007
19	Grommet, fan motor (4 req.)	3100230.022	3100230.022
20	Spacer, fan motor (4 req.)	308046.002	3108046.002
21	Block, ethafoam (7 req.)	3100587.009	3100587.009
22	Plate, weldment, comp.	3107481.008	3107481.008
23	Nut, flange #8-32 fan motor (4 req.)	306342.003	306342.003
24	Nut, flange 5/16-18 comp. (3 req.)	306342.002	306342.002
25	Screw 10-16 x .75 shroud (12 req.)	313685.001	313685.001
26	Screw, shoulder (2 req.)	3102834.003	3102834.003
27	Housing, weld blower	3101145.005	3101145.005
28	Bulkhead, evaporator	3100831.076	3100831.076
29	Insulation, set	3104152.008	3104512.008
30	Bracket weldment, mounting (3 req.)	3106290.004	3106290.004
31	Brace, front	See Note 3	See Note 3
32	Sleeve, compressor mtg. (3 req.)	3100239.122	3100239.122
33	Solenoid, coil	3105504.009	3105504.009
34	Tie down asm., unit	3107474.003	3107474.003
35	Washer, steel, .281 x .750 x .062	309513.015	309513.015
36	Screw, 1/4 - 20 x .75 HHW	312110.024	312110.024
37	Grommet, compressor (4 req.)	3102324.005	3102324.005
38	Clamp, worm drive	—	3107614.004
39	Clamp, tubing	305962.008	305962.008
40	Box, electric	3100827.066	3100827.066
42	Sleeving, wire	318087.009	318087.009
43	Relief, strain (2 req.)	302994.017	302994.017
45	Bushing, snap-in	301028.040	301028.040
46	Thermostat, change over	3105506.004	3105506.004
50	Capacitor, run	3100248.495	310248.495
51	Starter kit, comp. motor	3106732.005	3106732.005
52	Tube, capillary (2 req.)	3100245.467	3100245.467
53	Compressor, asm.	3104616.002	3105610.004
54	Cover, terminal	3102548.009	3103799.007
55	Gasket, cover	3102549.007	3103800.003
56	Line, process	20309.004	20309.004
57	Shroud	See Note 2	See Note 2
58	Decal, heat pump	See Note 1	See Note 1
59	Decal, field wiring	3107638.003	3106605.011
60	Valve weldment, reversing	3105566.008	3105566.016
62	Nut, flanged	306342.004	306342.004

NOTE 1:

Decal, Shroud,
Heat Pump (2 req.) 3107443.008
Decal not used on model
with Suffix "D"

NOTE 2: Shroud Part Numbers

No Suffix letter	Shell White	3103144.006
With Suffix letter C	Polar White	3103147.009
With Suffix letter D	Gray	3103148.007

NOTE 3:

Not Available as Individual Part
Order Base Pan Kit No. 3108705.348
Kit Includes Items
1, 6, 27, 28, 29, 30, 31

65 Customer Options Required

Air box asm., complete SW	3107209.003
Air box asm., complete PW	3107209.011
Air box asm., complete SW	3107208.021
Air box asm., complete PW	3107208.039
Analog control kit	3107546.008

66 Customer Options Not Required

Bolt kit, 6" roof - 8" bolt	3100895.006
Bolt kit, 8.5" roof - 9.5" bolt	3100895.014
Screen, decorative	3101701.005