
GARDNER DENVER[®]

**13-10-512
2nd Edition
March, 1998**

ELECTRA-SAVER[®]
STATIONARY BASE-MOUNTED
COMPRESSOR

AUTO SENTRY[®]-ES+ CONTROLS

AUTO SENTRY[®]-ES CONTROLS

MODELS

EAU_PG – 200 HP

EAU_QG – 250 HP

EAU_RG – 300 HP

PARTS LIST

Gardner
Denver

BARE COMPRESSOR REPAIR AND REPLACEMENT

Gardner Denver rotary screw compressor air ends are designed, manufactured, assembled, and tested to exacting standards. All new and factory remanufactured air ends are warranted by Gardner Denver. Unauthorized disassembly or field repair may void the warranty and adversely effect operation.

GARDNER DENVER AIR END EXCHANGE PROGRAM

Should your air end require replacement, both new and factory remanufactured units are stocked by your authorized distributor or at the Gardner Denver Machinery Inc. Distribution Center in Memphis, Tennessee.

Remanufactured and warranted compressor air end exchange units provide a quick, reliable, and economical method for field replacement. Your compressor may be returned to service promptly and the exchange core returned later for credit.

Air ends are remanufactured at the Gardner Denver Machinery Inc. Remanufacturing Center in Indianapolis, Indiana, and factory warranted. The Indianapolis facility is staffed with experienced, skilled technicians dedicated to the remanufacture and repair of Gardner Denver compressor units. The latest improvements are incorporated in the remanufacturing process. A new or rebuilt Gardner Denver exchange compressor is your guarantee of optimum performance and reliability.

INSTRUCTIONS FOR ORDERING REPAIR PARTS

When ordering parts, specify Compressor MODEL, Method of Cooling, HORSEPOWER and SERIAL NUMBER (see nameplate on unit). The Serial Number is also stamped on top of the cylinder flange to the right of the inlet housing.

All orders for Parts should be placed with the nearest authorized distributor.

Where NOT specified, quantity of parts required per compressor or unit is one (1); where more than one is required per unit, quantity is indicated in parenthesis. SPECIFY EXACTLY THE NUMBER OF PARTS REQUIRED.

DO NOT ORDER BY SETS OR GROUPS.

To determine the Right Hand and Left Hand side of a compressor, stand at the motor end and look toward the compressor. Right Hand and Left Hand are indicated in parenthesis following the part name, i.e. (RH) & (LH), when appropriate.

For Operating and Service Instructions see: COMPRESSOR SERVICE MANUAL 13-10-614 CONTROLLER SERVICE MANUAL 13-9/10-647

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MAINTAIN COMPRESSOR RELIABILITY AND PERFORMANCE WITH GENUINE GARDNER DENVER COMPRESSOR PARTS AND SUPPORT SERVICES

Gardner Denver Compressor genuine parts, engineered to original tolerances, are designed for optimum dependability — specifically for Gardner Denver compressor systems. Design and material innovations are the result of years of experience with hundreds of different compressor applications. Reliability in materials and quality assurance are incorporated in our genuine replacement parts.

Your authorized Gardner Denver Compressor distributor offers all the backup you'll need. A worldwide network of authorized distributors provides the finest product support in the air compressor industry. Your local authorized distributor maintains a large inventory of genuine parts and is backed up for emergency parts by direct access to the Gardner Denver Machinery Inc. Master Distribution Center (MDC) in Memphis, Tennessee.

Your authorized distributor can support your Gardner

Denver air compressor with these services:

1. Trained parts specialists to assist you in selecting the correct replacement parts.
2. Factory warranted new and remanufactured rotary screw air ends. Most popular model remanufactured air ends are maintained in stock at MDC for purchase on an exchange basis with liberal core credit available for the replacement unit.
3. A full line of factory tested AEON™ compressor lubricants specifically formulated for use in Gardner Denver compressors.
4. Repair and maintenance kits designed with the necessary parts to simplify servicing your compressor.

Authorized distributor service technicians are factory-trained and skilled in compressor maintenance and repair. They are ready to respond and assist you by providing fast, expert maintenance and repair services.

For the location of your local authorized Gardner Denver Air Compressor distributor refer to the yellow pages of your phone directory or contact:

Distribution Center:
Gardner Denver Machinery Inc.
Master Distribution Center
5585 East Shelby Drive
Memphis, TN 38141
Phone: (901) 542-6100
(800) 245-4946
Fax: (901) 542-6159

Factory:
Gardner Denver Machinery Inc.
1800 Gardner Expressway
Quincy, IL 62301
Phone: (217) 222-5400
Fax: (217) 224-7814

REMANUFACTURED AIR ENDS

Whenever an air end requires replacement or repair, Gardner Denver offers an industry unique, factory remanufactured air end exchange program. From its modern Remanufacturing Center in Indianapolis, IN, Gardner Denver is committed to supplying you with the highest quality, factory remanufactured air ends that are guaranteed to save you time, aggravation and money.

Immediately Available

Repair downtime costs you money, which is why there are over 200 remanufactured units in inventory at all times, ready for immediate delivery.

Skilled Craftsmen

Our Remanufacturing assembly technicians average over 20 years experience with air compression products.

Precision Remanufacturing

All potentially usable parts are thoroughly cleaned, inspected and analyzed. Only those parts that can be brought back to original factory specifications are remanufactured. Every remanufactured air end receives

a new overhaul kit: bearings, gears, seals, sleeves and gaskets.

Extensive Testing

Gardner Denver performs testing that repair houses just don't do. Magnaflux and ultrasonic inspection spot cracked or stressed castings, monochromatic light analysis exposes oil leaks, and coordinate measurement machine inspects to $\pm .0001$ ", insuring that all remanufactured air ends meet factory performance specifications.

Warranty

Gardner Denver backs up every remanufactured air end with a new warranty . . . 18 months from purchase, 12 months from service.

Gardner Denver remanufactured air ends deliver *quality without question . . . year in and year out.*

Call Gardner Denver for information on the air end exchange program and the name of your authorized distributor.

Phone Number: 800-245-4946 or
FAX: 901-542-6159

ELECTRA-SAVER STATIONARY SCREW COMPRESSOR
200 HP – 250 HP – 300 HP
THIRTEEN DIGIT MODEL DESIGNATIONS

NOTICE TO CUSTOMER – To find the construction options for your compressor unit, FILL IN THE BALANCE OF LETTERS OR NUMBERS FROM YOUR UNIT NAMEPLATE.

COLUMN NUMBER:

E A U G
1 2 3 4 5 6 7 8 9 10 11 12 13

Follow the line down and over from each space thus filled in to find the appropriate construction option with which your machine is equipped. The number "9" in any column space indicates "NOT APPLICABLE." The number "8" in any column space indicates SPECIAL DESIGN – REFER TO FACTORY ORDER TICKET.

COLUMNS 1, 2 & 3 – COMPRESSOR TYPE & SIZE

COLUMN 4 – TYPE OF CONSTRUCTION

- Q. Air Cooled Base Mounted
- S. Water Cooled Base Mounted

COLUMN 5 – HORSEPOWER

- P. 200 HP
- Q. 250 HP
- R. 300 HP

COLUMN 6 – ENGINEERING SPECIFICATION

COLUMN 7 – OPERATING PRESSURE

- D. 100 PSIG (60 Hz)
- F. 125 PSIG (60 Hz)
- H. 150 PSIG (60 Hz)

COLUMN 8 – CONTROL/STARTER BOX – Per H.P. and NEMA Class (Wye Delta)

- | | |
|-----------------------|---------------------------------|
| A. 200 H.P. – NEMA 12 | E. 300 H.P. – NEMA 12 |
| B. 200 H.P. – NEMA 4 | F. 300 H.P. – NEMA 4 |
| C. 250 H.P. – NEMA 12 | G. Less Motor Starter – Nema 12 |
| D. 250 H.P. – NEMA 4 | H. Less Motor Starter – Nema 4 |

COLUMN 9 – CONTROL/STARTER BOX – Per Voltage (Wye Delta)

- | | |
|-------------|-------------|
| A. 200 Volt | C. 460 Volt |
| B. 230 Volt | D. 575 Volt |

COLUMN 10 – ENCLOSURE –

AIR COOLED

- A. Without Enclosure – Air/Water Cooled
- B. Without Enclosure – Air Cooled Only.

WATER COOLED

- C. With Enclosure – 200 Volt
- D. With Enclosure – 230 Volt
- E. With Enclosure – 460 Volt
- F. With Enclosure – 575 Volt

QUIET ENCLOSURE

- I. Air Cooled
- J. Water Cooled – 200 Volt
- K. Water Cooled – 230 Volt
- L. Water Cooled – 460 Volt
- M. Water Cooled – 575 Volt

COLUMN 11 – OIL COOLERS – AIR/WATER COOLED – WITH/WITHOUT AFTERCOOLER

AIR COOLED

- A. 200 H.P. – Standard
- B. 200 H.P. – Seacoast
- C. 250/300 H.P. – Standard
- D. 250/300 H.P. – Seacoast

WATER COOLED

- E. Fresh Water – Without Aftercooler
- F. Fresh Water – With Aftercooler
- G. Fresh Water – Without Aftercooler – With Water Temp Regulator
- H. Fresh Water – With Aftercooler – With Water Temp Regulator

COLUMN 12 – OIL COOLER ELECTRICS –

AIR COOLED

- A. 200 Volt
- B. 230 Volt
- C. 460 Volt
- D. 575 Volt
- Q. Less Fan Motor

WATER COOLED (Mag. Water Shutoff Vlv–Fresh Water Only)

- T. NEMA 1
- U. NEMA 4
- X. No Water Shutoff Valve

COLUMN 13 – COMPRESSOR DRIVE MOTOR

ODP – STD.

- A. 200 Volt
- B. 230 Volt
- C. 460 Volt
- D. 575 Volt

ODP – HI-EFF.

- E. 200 Volt
- F. 230 Volt
- G. 460 Volt
- H. 575 Volt

TEFC – STD.

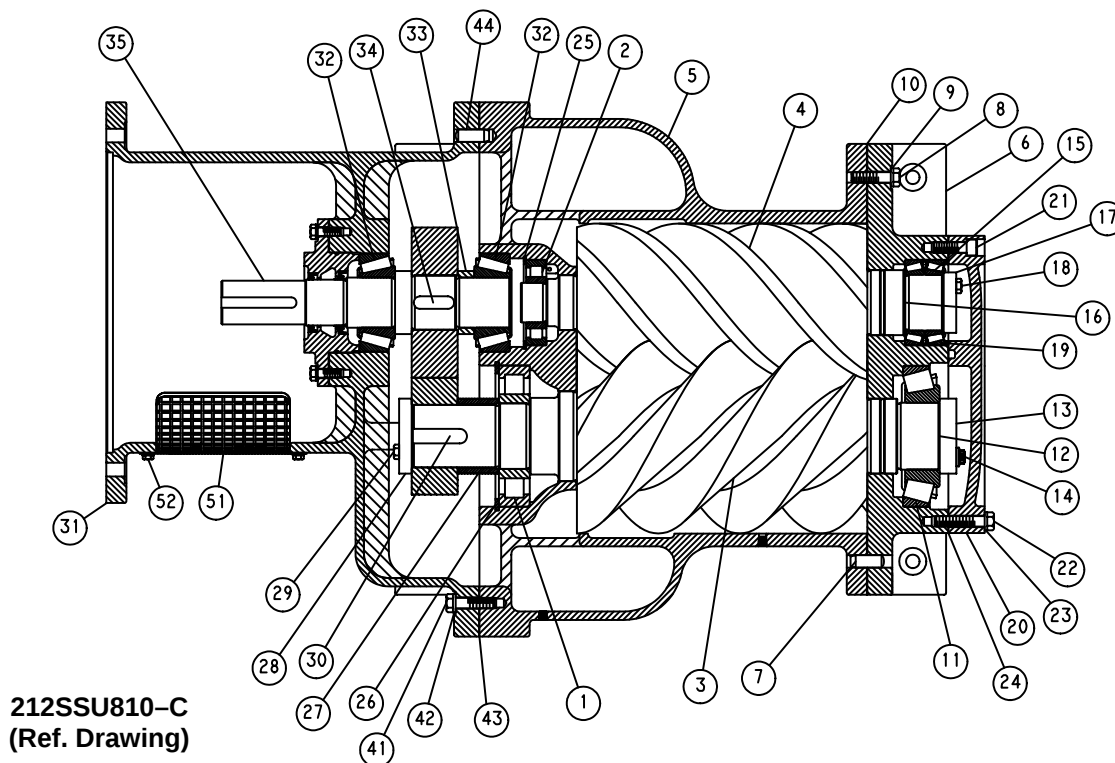
- I. 200 Volt
- J. 230 Volt
- K. 460 Volt
- L. 575 Volt

TEFC – HI-EFF.

- M. 200 Volt
- N. 230 Volt
- O. 460 Volt
- P. 575 Volt

- Y. Less Motor – ODP/TEFC

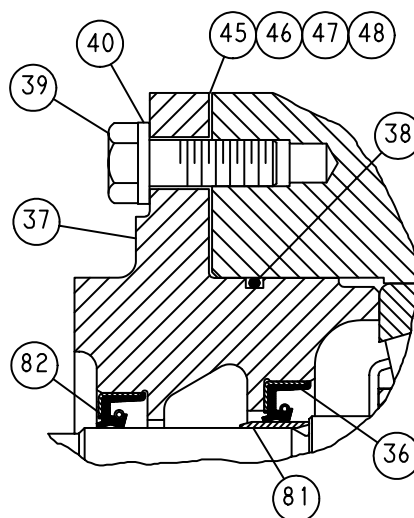
Reference numbers and description are provided for your convenience.
Refer to repair kit section for ordering field replacement components.



BARE COMPRESSOR

Ref. No.	Description	Ref. No.	Description
* 1	BEARING-ROLLER	22	SCREW
* 2	BEARING-ROLLER	23	LOCKWASHER
3	ROTOR	* 24	GASKET-ELIMINATOR
4	ROTOR	* 25	RING-RETAINING
5	CYLINDER	* 26	RING-RETAINING
6	HOUSING-BEARING	27	SPACER-SHAFT
7	PIN-DOWEL	28	PLATE-BEARING RETAINER
8	SCREW	29	SCREW
9	LOCKWASHER	* 30	KEY
* 10	GASKET		
* 11	BEARING-ROLLER	31	HOUSING-GEAR
* 12	SHIM	* 32	BEARING-ROLLER
13	PLATE-BEARING RETAINER	33	SPACER-SHAFT
14	SCREW	* 34	KEY-SQUARE
* 15	BEARING	35	SHAFT
* 16	SHIM	41	SCREW
17	PLATE-BEARING RETAINER	42	LOCKWASHER
18	SCREW-HEX HD	* 43	GASKET
* 19	SPRING-WAVE	44	PIN-DOWEL
20	PLATE-BEARING COVER	49	PLUG
21	SCREW	52	SCREW-FLANGED

* Parts included in Periodic Overhaul Kit. Refer to page 43.



212SSU810-C
(Ref. Drawing)

OIL SEAL DETAIL

Ref. No.	Name of Part	Qty.	Part No.
36 *	SEAL-OIL (VITON)	1	60DD571
37	HOUSING-SEAL	1	203SSU362
38 *	O-RING	1	25BC205
39	SCREW	6	655EE060
40	LOCKWASHER	6	95B5
45 *	SHIM	12	204SSY732
46 *	SHIM	12	205SSY732
47 *	SHIM	6	207SSY732
48 *	SHIM	6	208SSY732
81 *	WEAR SLEEVE	1	80M28
82 *	SEAL-OIL	1	60DD689
**	CHECK VALVE	1	90AR923
* Included in Oil Seal Kit. See page 43.			
** Not shown.			

GEAR GROUPS

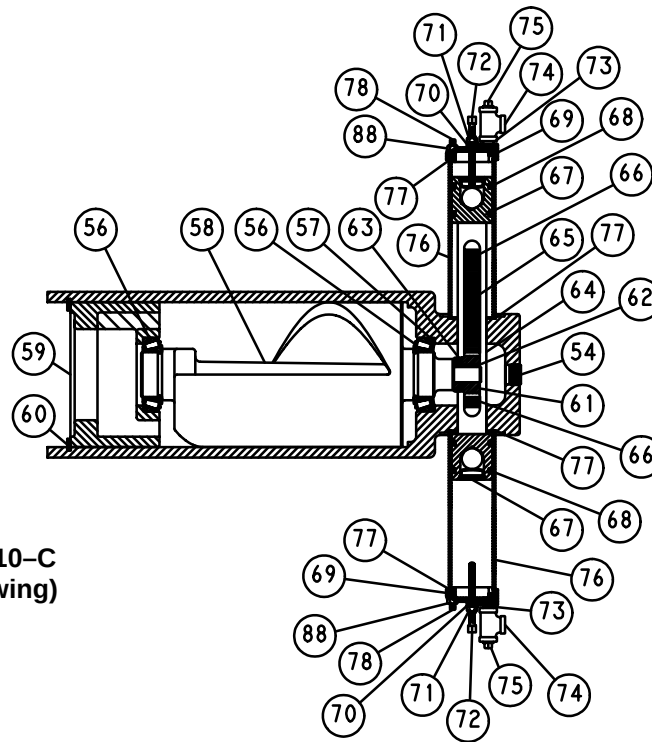
New Air End No. ***	Remanufactured Air End No. ***	HP	PSI	Gear Group
SSUABD01	SSUABD01X	200	100	SSU76967
		250	150	
SSUABD02	SSUABD02X	250	100	SSU76968
		300	125	
		300	100	
SSUABD03	SSUABD03X	300	100	SSU76969
SSUABD04	SSUABD04X	200	125	SSU76970
		200	150	
SSUABD05	SSUABD05X	250	125	SSU76971
		300	150	

*** Exchange Air Ends are furnished with Inlet Valve.

RELIEF VALVES

H.P.	100 PSI	125 PSI	150 PSI
200	90AR510	90AR532	90AR909
250/300	90AR511	90AR533	90AR909

Order by Part Number and Description. Reference Numbers are for your convenience only.

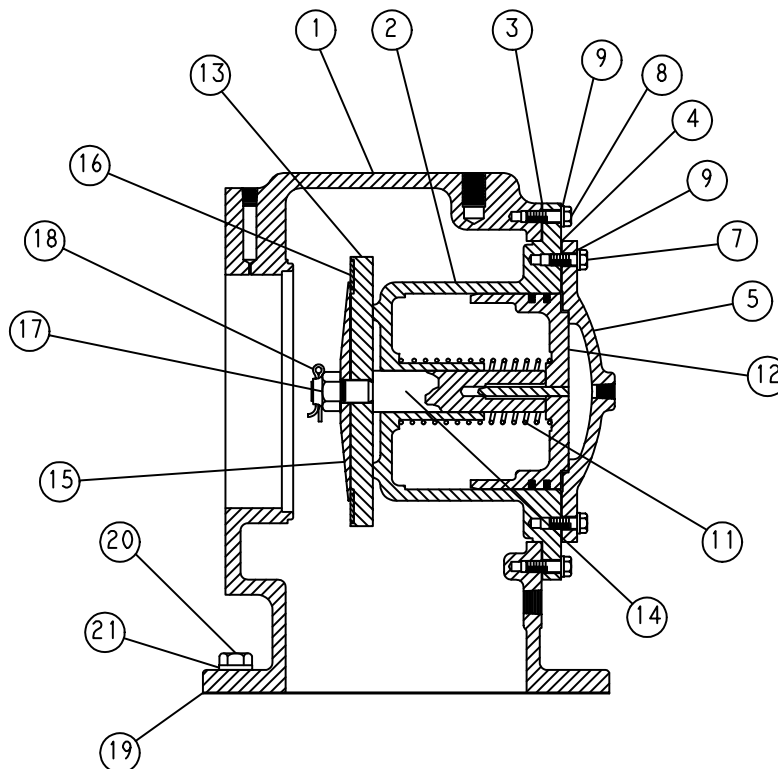


212SSU810-C
(Ref. Drawing)

TURN VALVE

Ref. No.	Name of Part	Qty.	Part No.
56	BEARING-ROLLER	2	12BA51
57	SPRING	1	78W50
58	VALVE	1	203SSU238
59	RETAINER	1	207SSU205
60	RING-RETAINING	1	100522
61	GEAR-AUXILIARY	1	200SSU031
62	KEY	1	35C114
63	SETSCREW	1	76G21N
64	SHAFT-CONTROL	1	200SSU081
65	RACK	1	200SSU360
66	SCREW	2	75P11N
67	CONTROL PISTON ASSEMBLY	2	SSU80565
68	PACKING-RING	4	60AM46
69	HEAD-CONTROL CYLINDER	2	200RPA083
70	SEAL-FASTENER	2	60DD65
71	NUT	2	50AW24
72	SET SCREW	2	76D226
73	NIPPLE	2	63D1G
74	TEE-PIPE	2	64G3G
75	PLUG	2	64AA5
76	CYLINDER-CONTROL	2	200SSU082
77	GASKET	4	25BC138N
78	STUD	8	79AL5
88	NUT	8	50AW24

Order by Part Number and Description. Reference Numbers are for your convenience only.



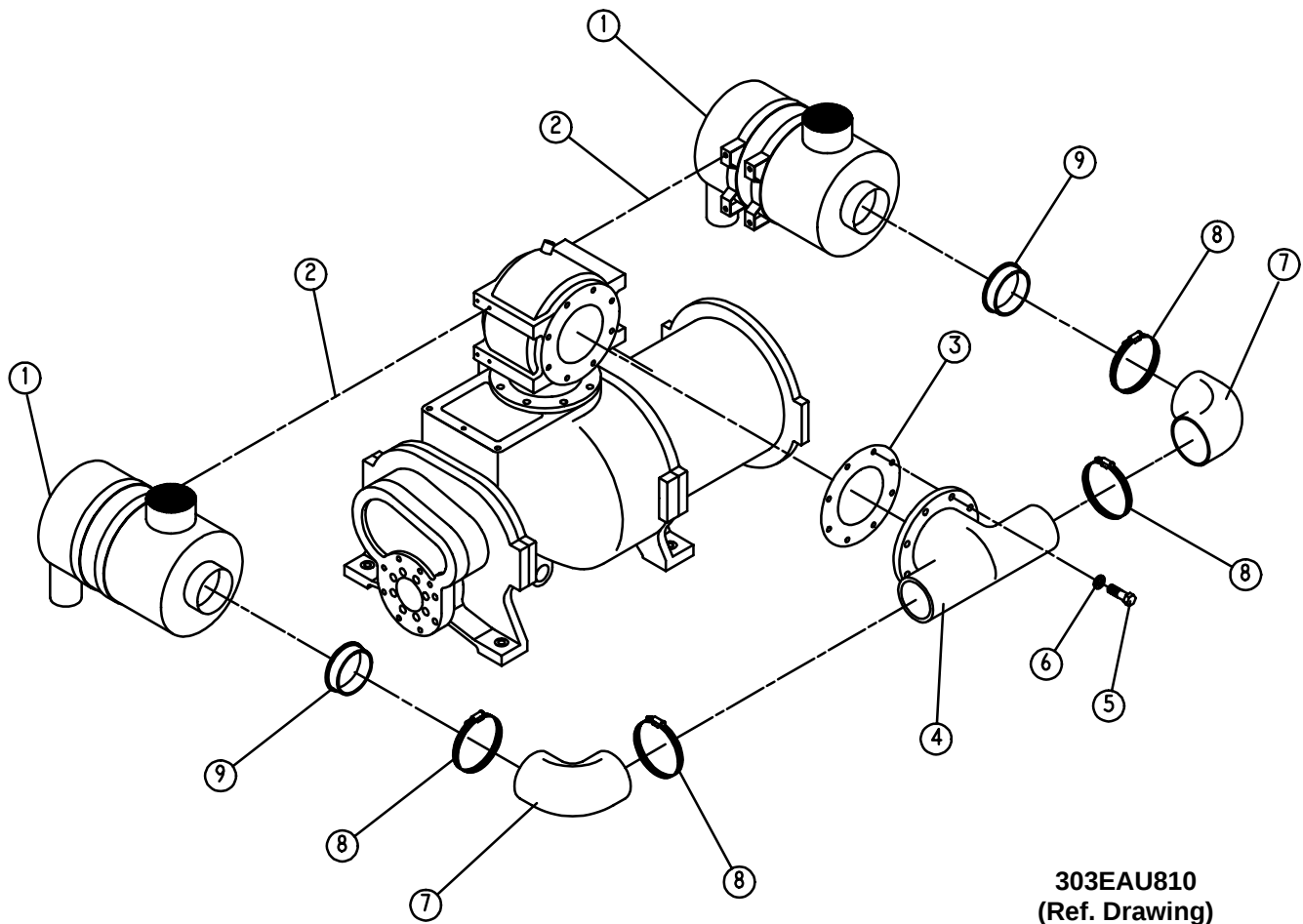
206SSU810-B
(Ref. Drawing)

INLET VALVE

Ref. No.	Name of Part	Qty.	Part No.
1	HOUSING-INLET	1	200SSU041
2	CYLINDER-INLET VALVE	1	S11542
3	GASKET	1	203SSU715N
4	GASKET	1	25C2683N
5	CAP-CYLINDER	1	S115274
7	SCREW	6	655ED040
8	SCREW	8	655ED050
9	WASHER	14	95B3
11	SPRING	1	78A366
12	INLET VALVE PISTON ASSEMBLY	1	S11543D
13	VALVE-INLET	1	200SSW044
14	GUIDE-VALVE	1	200SSW483
15	CLAMP-DISC	1	200SSW338
16	DISC-VALVE	1	200SSW067
17	NUT-HEX CASTLE	1	50E9
18	PIN-COTTER	1	62E30
19	GASKET RING	1	25BC160
20	SCREW	8	655EG070
21	LOCKWASHER	8	95B8
*	PIN-SPRING ROLL	1	62R101

* Not shown.

Order by Part Number and Description. Reference Numbers are for your convenience only.

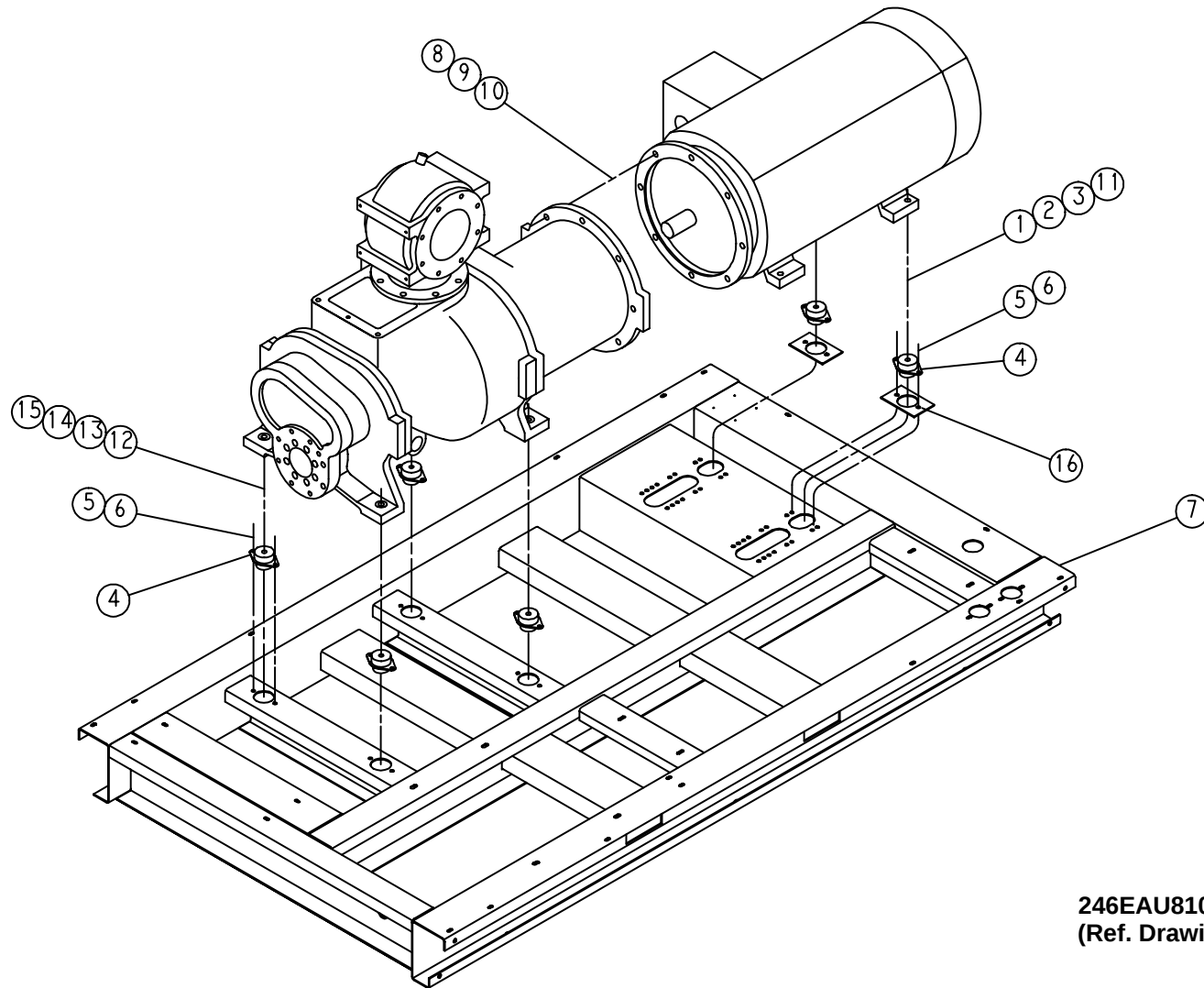


AIR FILTER

Ref. No.	Name of Part	Qty.	Part No.
1	FILTER-AIR	2	5L300
2	SCREW-FLANGED	8	75K48
3	GASKET RING	1	25C131N
4	MANIFOLD-INLET	1	203EAU690
5	SCREW	8	655EG080
6	LOCKWASHER	8	95B8
7	HOSE	2	2009734
8	CLAMP-HOSE	4	2009499
9	REDUCER	2	300EAQ1323
*	ELEMENT, AIR FILTER	2	2117151

* Not Shown – For Repair.

COMPRESSOR BASE GROUP



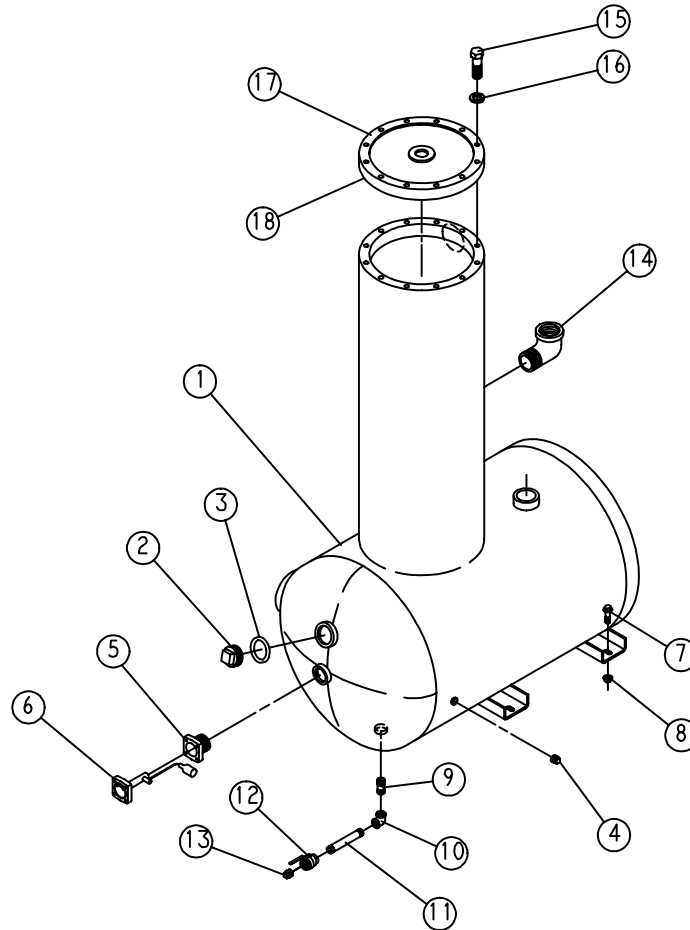
246EAU810-B
(Ref. Drawing)

COMPRESSOR BASE GROUP

Ref. No.	Name of Part	Qty.	Part No.
1	SCREW	2	655EG240
2	WASHER	2	95A7
3	LOCKWASHER	2	95B7
4	ISOLATOR-VIBRATION	6	49C48
5	SCREW-FLANGED	12	75LM135
6	NUT-FLANGED	12	50AW35
7	BASE	1	209EAU285
8	NUT	8	50B8
9	LOCKWASHER	8	95B8
10	SCREW	8	655EG140
11	NUT	2	50B7
12	WASHER	4	95A8
13	LOCKWASHER	4	95B8
14	NUT	4	50B8
15	SCREW	4	655EG240
16	SUPPORT	2	300EAU165
*	FLEX DRIVE COUPLINGS		
	200 HP	51L31	
	250/300 HP	51L32	
*	SQ. KEY	35L27	

* Not Shown.

OIL RESERVOIR GROUP

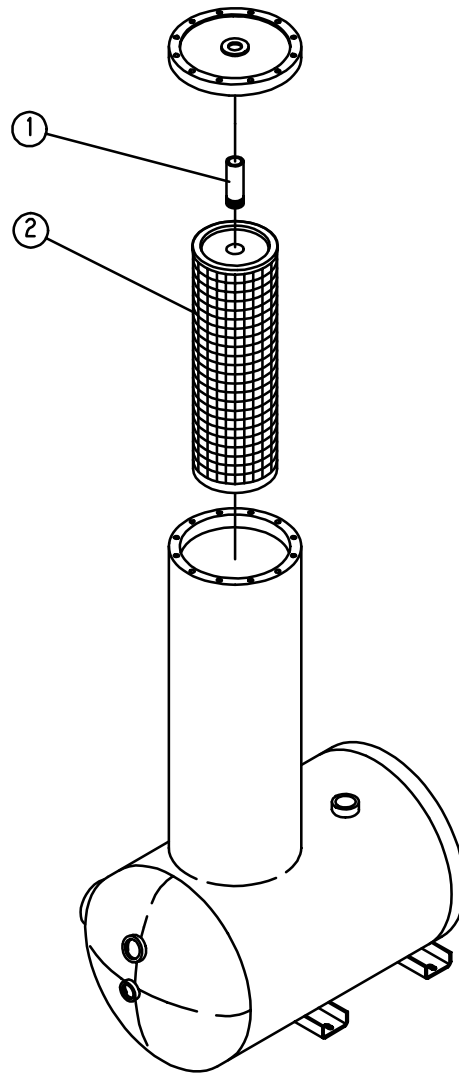


244EAU810-A
(Ref. Drawing)

Ref. No.	Name of Part	Qty.	444-449 Motor Frame Part No.
1	RESERVOIR-OIL	1	302EAU037
2	COVER-FILLER	1	200SPF156
3	O-RING	1	54C214
4	PLUG	1	64AA5
5	ADAPTOR-GAUGE	1	200EDE058
6	GAUGE-FLOAT	1	200EAU303
7	SCREW-FLANGED	4	75LM135
8	NUT-FLANGED	4	50AW35
9	NIPPLE	1	63F1G
10	ELBOW	1	64C4G
11	NIPPLE	1	63F10G
12	VALVE-BALL	1	90AR360
13	PLUG	1	64AA7
14	ELBOW-PIPE ST	1	64D9G
15	SCREW	12	655EE090
16	LOCKWASHER	12	95B5
17	COVER	1	202EAU225
18	GASKET ELIMINATOR	1	25BC222
REPAIR: GASKET - 54C204 (Float Gauge)			

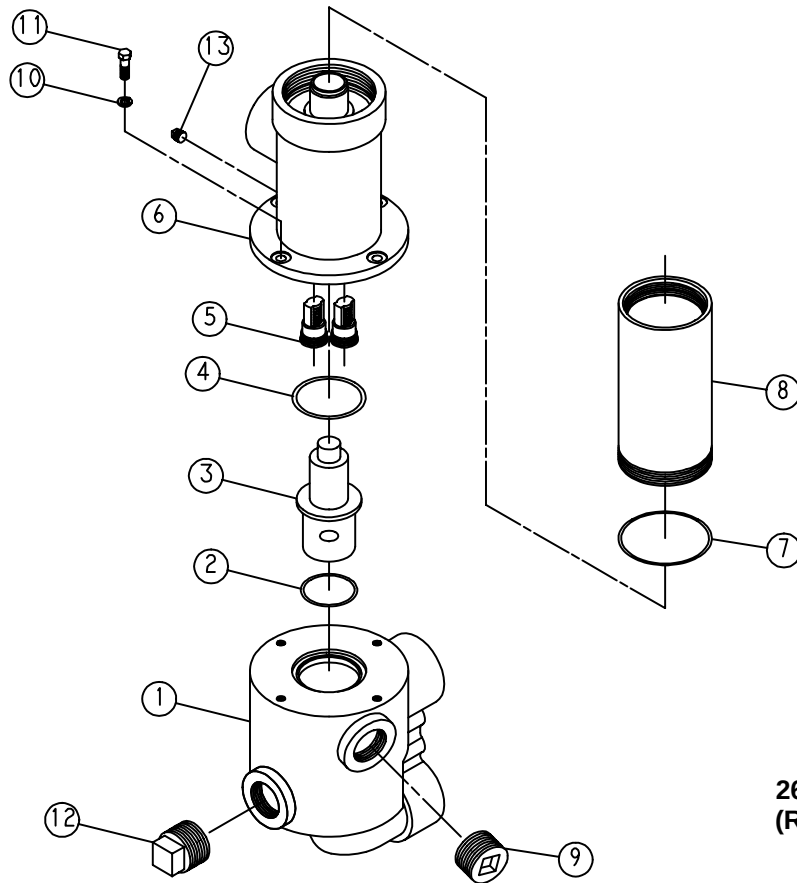
OIL SEPARATOR GROUP

247EAU810
(Ref. Drawing)



Ref. No.	Name of Part	Qty.	Part No.
1	NIPPLE	1	63AM24X70G
2	SEPARATOR-AIR/OIL	1	200EAU035

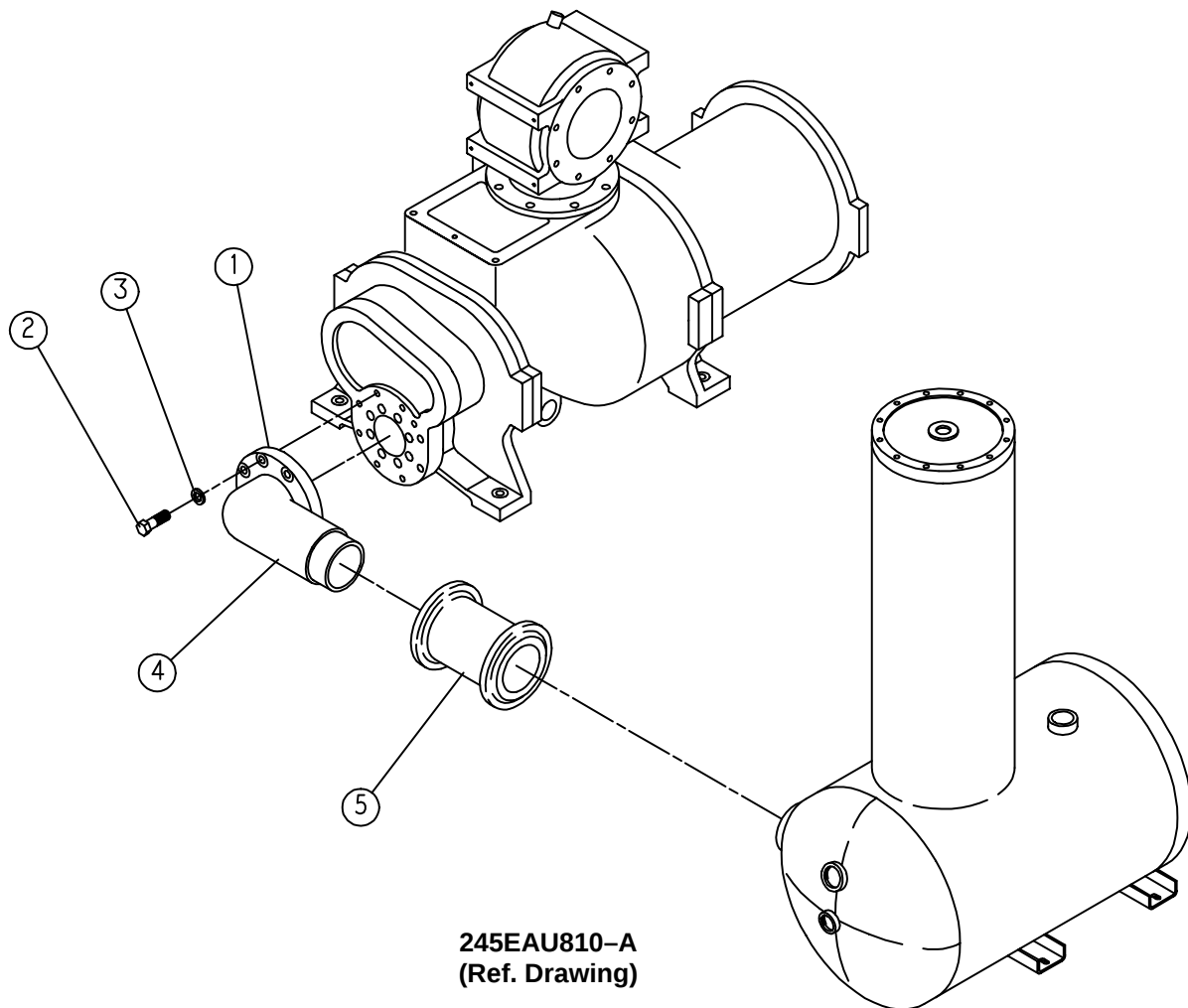
**MIXING VALVE AND OIL FILTER
(With 150° Element)**



**261EAU810-B
(Ref. Drawing)**

Ref. No.	Name of Part	Qty.	Part No.
1	MANIFOLD-OIL	1	200EAU116
2	O-RING	1	25BC127
3	ELEMENT (150° – STANDARD)	1	2109365
4	O-RING	1	25BC175
5	CARTRIDGE-FILTER	2	2116640
6	MANIFOLD-OIL	1	201EAU116
7	O-RING	1	25BC380
8	BODY-OIL FILTER	1	200EDM032
9	PLUG	1	64B7
10	WASHER	4	95B3
11	SCREW	4	655ED050
12	PLUG	1	64AA2
13	PLUG	1	64B14
*	ELEMENT (140° – OPTIONAL)	1	2109366
*	ELEMENT (160° – OPITIONAL)	1	2109364

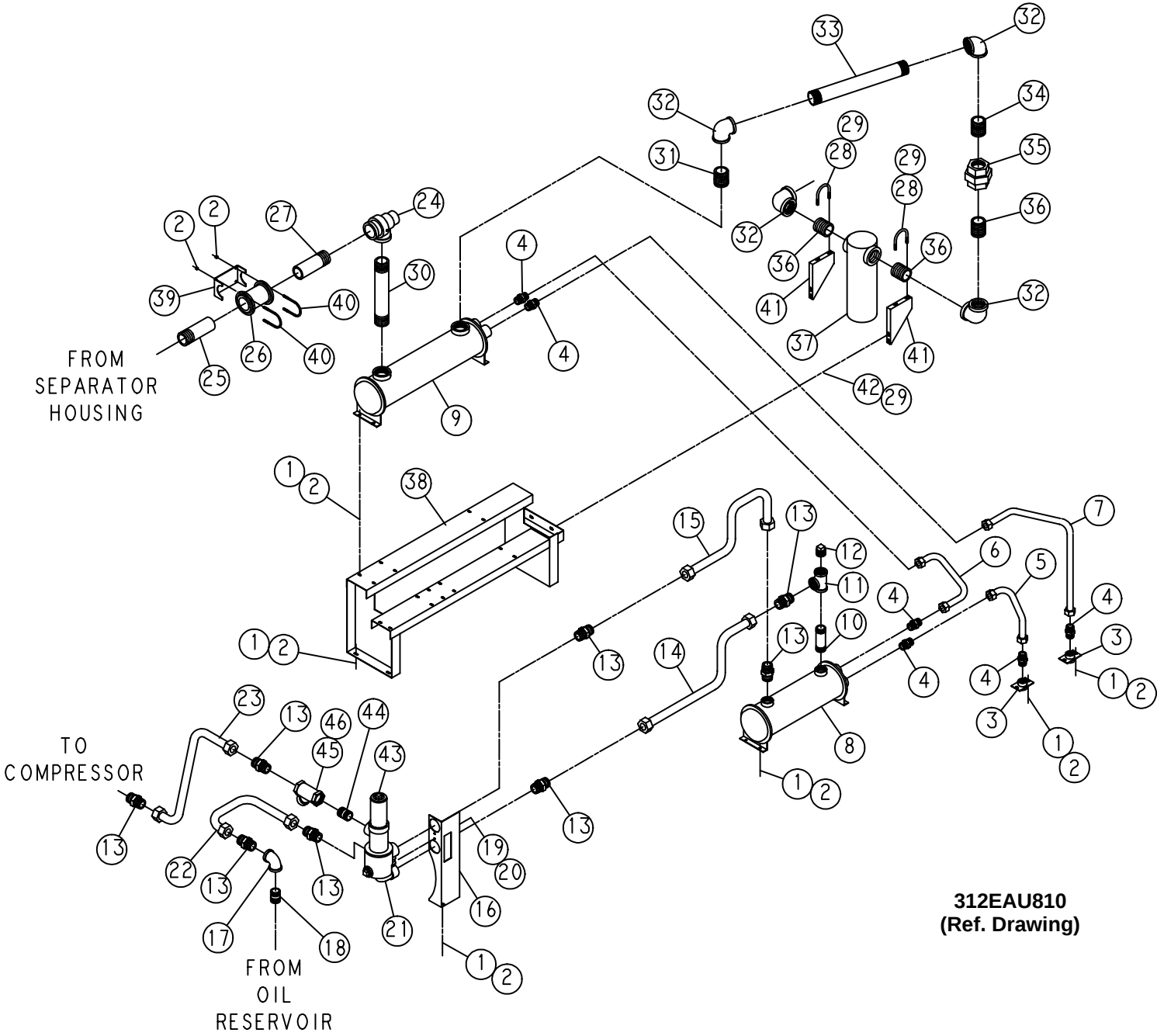
COMPRESSOR DISCHARGE PIPING



Ref. No.	Name of Part	Qty.	Part No.
1	GASKET ELIMINATOR	1	25BC256
2	SCREW	8	655EG100
3	LOCKWASHER	8	95B8
4	MANIFOLD	1	200EAU286
5	COUPLING-FLEXIBLE	1	64EB805

REPAIR: (2) GASKETS – 2117163

WATER COOLED HEAT EXCHANGER – WITH AFTERCOOLER



WATER COOLED HEAT EXCHANGER – WITH AFTERCOOLER

Ref. No.	Name of Part	Qty.	Part No.
1	SCREW–FLANGED	18	75LM51
2	NUT–FLANGED	22	50AW5
3	MANIFOLD–WATER	2	200EDM072
4	CONNECTOR–TUBE	6	86H141
5	TUBE WITH FITTINGS	1	306EAU863
6	TUBE WITH FITTINGS	1	307EAU863
7	TUBE WITH FITTINGS	1	308EAU863
8	EXCHANGER–HEAT (200 HP) ..	1	200EAU349
	(250 HP)		201EAU349
	(300 HP)		202EAU349
9	AFTERCOOLER (200 HP)	1	204EAU292
	(250 HP)		203EAU292
	(300 HP)		200EAU292
10	NIPPLE–PIPE	1	63L24G
11	TEE	1	64G1G
12	PLUG	1	64B7
13	CONNECTOR–TUBE	8	86H142
14	TUBE WITH FITTINGS	1	302EAU863
15	TUBE WITH FITTINGS (200 HP)	1	303EAU863
	(250 HP)		304EAU863
	(300 HP)		305EAU863
16	BRACKET (FORMED)	1	300EAU142
17	ELBOW–PIPE	1	64C9G
18	NIPPLE	1	63L9G
19	SCREW	2	655ED040
20	WASHER	2	95B3

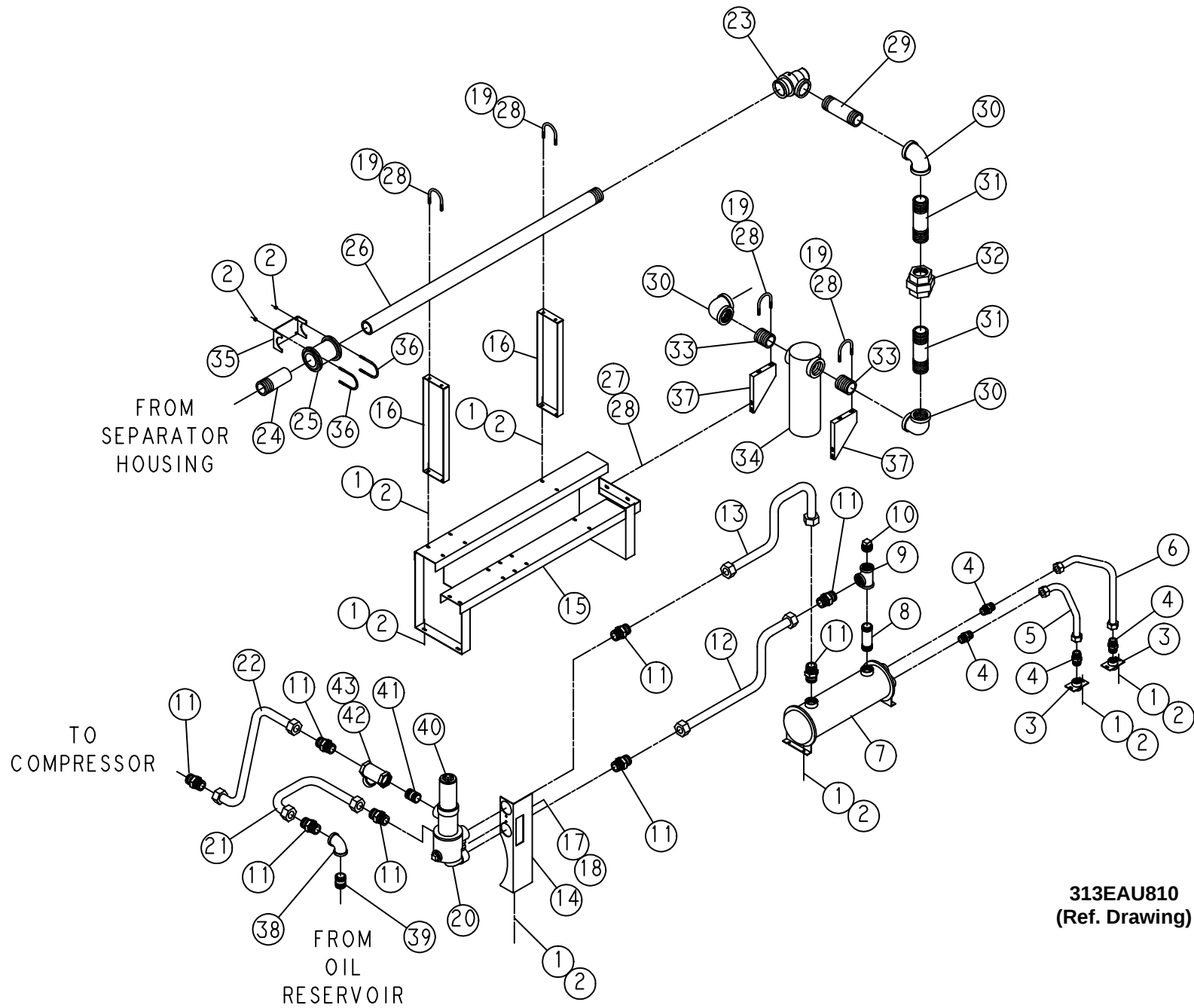
* REPAIR: (2) GASKETS – 2109775

Ref. No.	Name of Part	Qty.	Part No.
21	FILTER ASSEMBLY	1	200EAU2045
22	TUBE WITH FITTINGS	1	300EAU863
23	TUBE WITH FITTINGS	1	301EAU863
24	VALVE–MINIMUM PRESSURE .	1	201EDM527
25	NIPPLE–PIPE	1	63AJ48X150G
26 *	COUPLING–FLEXIBLE	1	64EB803
27	NIPPLE	1	63AJ48X220G
28	U–BOLT	2	15U87
29	NUT–FLANGED	8	50AW35
30	NIPPLE	1	63N48X174G
31	NIPPLE	1	63P5G
32	ELBOW	4	64C10G
33	NIPPLE	1	63N48X276G
34	NIPPLE	1	63P17G
35	UNION	1	64Z21
36	NIPPLE	3	63P2G
37	TRAP	1	83C103
38	SUPPORT	1	208EAU165
39	BRACKET–PIPE	1	200EAQ108
40	U–BOLT	2	15U108
41	BRACKET (FORMED)	2	205EAU142
42	SCREW–FLANGED	4	75LM135
43	FILTER – OIL	1	201EDM369
44	NIPPLE	1	63L9G
45	STRAINER	1	82E41
46	PLUG	1	64AA2

WATER VALVES

WATER SOLENOID – N1 .	91B3
WATER SOLENOID – N4 .	91B24
WATER TEMP. REG.	90AR152

WATER COOLED HEAT EXCHANGER – WITHOUT AFTERCOOLER



WATER COOLED HEAT EXCHANGER – WITHOUT AFTERCOOLER

Ref. No.	Name of Part	Qty.	Part No.
1	SCREW–FLANGED	18	75LM51
2	NUT–FLANGED	22	50AW5
3	MANIFOLD–WATER	2	200EDM072
4	CONNECTOR–TUBE	4	86H141
5	TUBE WITH FITTINGS	1	306EAU863
6	TUBE WITH FITTINGS	1	309EAU863
7	EXCHANGER–HEAT		
	(200 HP)	1	200EAU349
	(250 HP)		201EAU349
	(300 HP)		202EAU349
8	NIPPLE	1	63L24G
9	TEE	1	64G1G
10	PLUG	1	64B7
11	CONNECTOR–TUBE	8	86H142
12	TUBE WITH FITTINGS	1	302EAU863
13	TUBE WITH FITTINGS (200 HP)	1	303EAU863
	(250 HP)		304EAU863
	(300 HP)		305EAU863
14	BRACKET (FORMED)	1	300EAU142
15	SUPPORT	1	208EAU165
16	BRACKET–PIPE	2	201EAU108
17	SCREW	2	655ED040
18	WASHER	2	95B3
19	U–BOLT	4	15U87

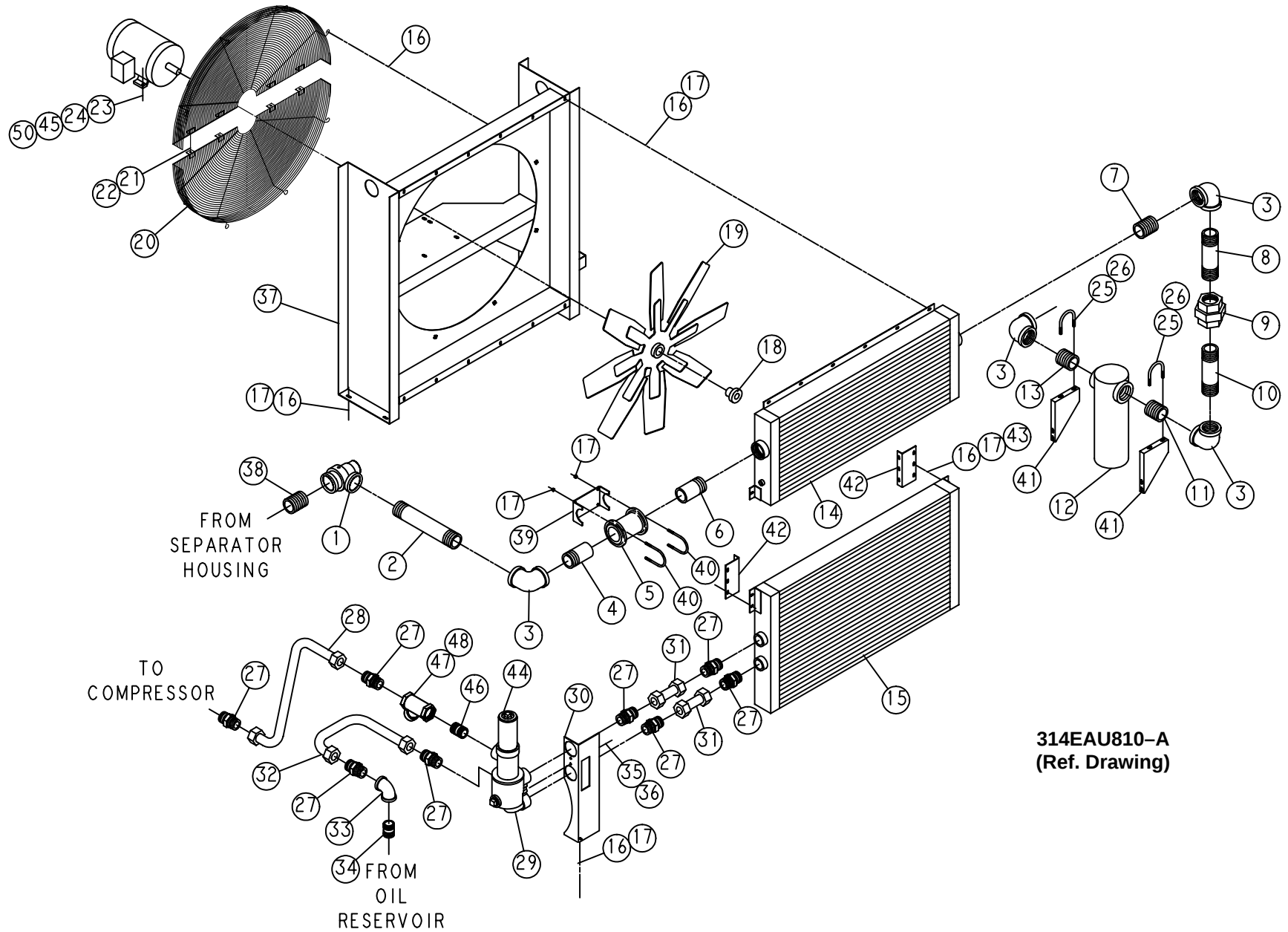
* REPAIR: (2) GASKETS – 2109775

Ref. No.	Name of Part	Qty.	Part No.
20	ASM–FILTER	1	200EAU2045
21	TUBE WITH FITTINGS	1	300EAU863
22	TUBE WITH FITTINGS	1	301EAU863
23	VALVE–MINIMUM PRESSURE .	1	201EDM527
24	NIPPLE	1	63AJ48X150G
25	COUPLING–FLEXIBLE	1	64EB803
26	NIPPLE	1	63AJ48X724G
27	SCREW–FLANGED	4	75LM135
28	NUT–FLANGED	12	50AW35
29	NIPPLE	1	63P19G
30	ELBOW	3	64C10G
31	NIPPLE	2	63P22G
32	UNION	1	64Z21
33	NIPPLE	2	63P2G
34	TRAP	1	83C103
35	BRACKET–PIPE	1	200EAQ108
36	U–BOLT	2	15U108
37	BRACKET (FORMED)	2	205EAU142
38	ELBOW–PIPE	1	64C9G
39	NIPPLE	1	63L9G
40	FILTER – OIL	1	201EDM369
41	NIPPLE	1	63L9G
42	STRAINER	1	82E41
43	PLUG	1	64AA2

WATER VALVES

WATER SOLENOID – N1 .	91B3
WATER SOLENOID – N4 .	91B24
WATER TEMP. REG.	90AR152

AIR COOLED COOLER GROUP



314EAU810-A
(Ref. Drawing)

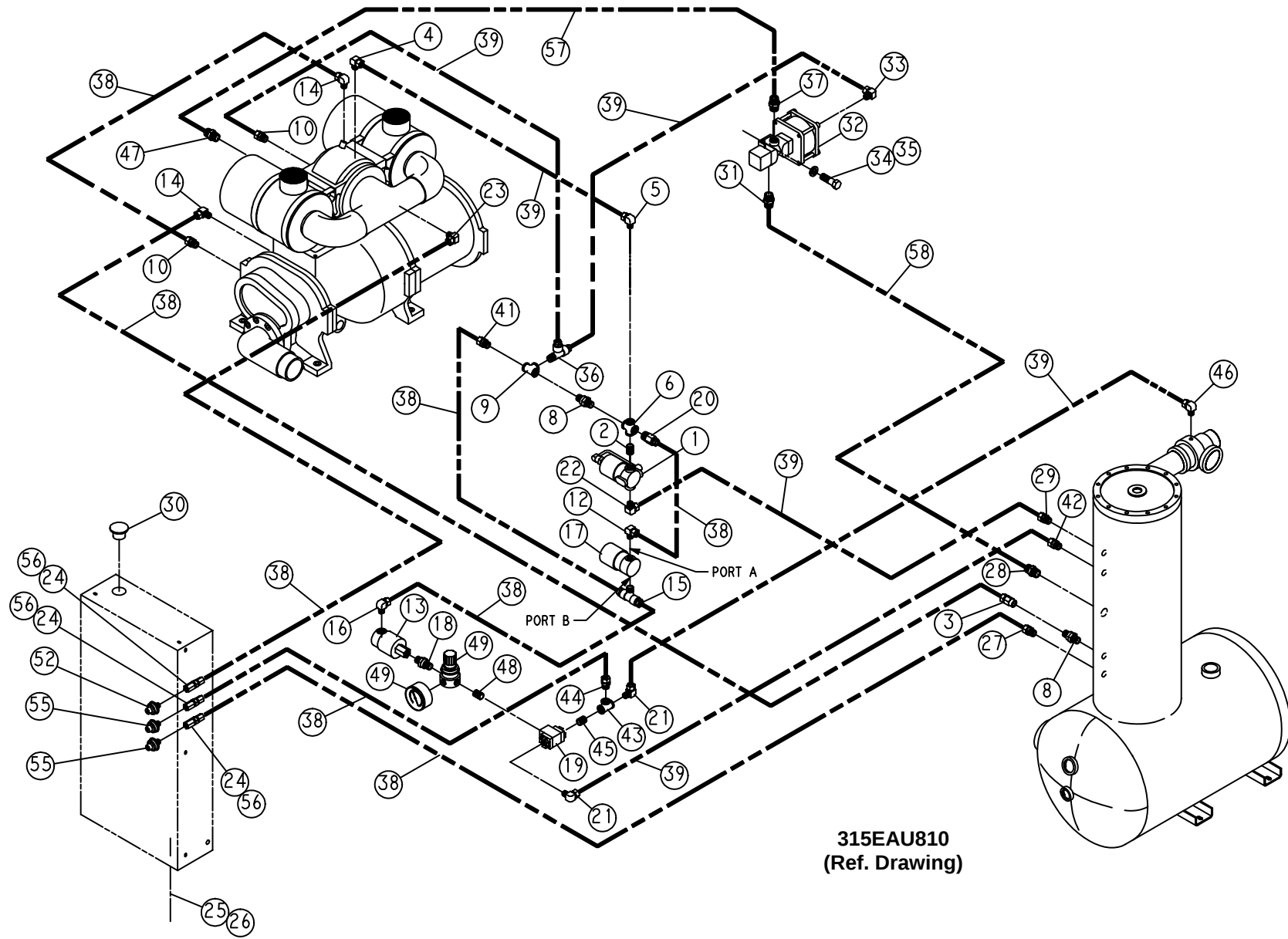
AIR COOLED COOLER GROUP

Ref. No.	Name of Part	Qty.	Part No.	Ref. No.	Name of Part	Qty.	Part No.
1	VALVE-MINIMUM PRESSURE	1	201EDM527	25	U-BOLT	2	15U87
2	NIPPLE	1	63P22G	26	NUT-FLANGED	4	50AW35
3	ELBOW	4	64C10G	27	CONNECTOR-TUBE	8	86H142
4	NIPPLE	1	63AJ48X84G	28	TUBE WITH FITTINGS	1	301EAU863
5 *	COUPLING-FLEXIBLE	1	64EB803	29	ASM-FILTER	1	200EAU2045
6	NIPPLE	1	63AJ48X84G	30	BRACKET (FORMED)	1	300EAU142
7	NIPPLE	1	63P11G	31	TUBE WITH FITTINGS	2	314EAU863
8	NIPPLE	1	63P5G	32	TUBE WITH FITTINGS	1	300EAU863
9	UNION	1	64Z21	33	ELBOW-PIPE	1	64C9G
10	NIPPLE	1	63P2G	34	NIPPLE	1	63L9G
11	NIPPLE	1	63P2G	35	SCREW	2	655ED040
12	TRAP	1	83C103	36	WASHER	2	95B3
13	NIPPLE	1	63P2G	37	SUPPORT	1	207EAU165
14	AFTERCOOLER	1	202EAU292	38	NIPPLE	1	63P1G
	SEACOAST (OPTIONAL)	1	205EAU292	39	BRACKET-PIPE	1	200EAQ108
15	COOLER-OIL	1	201EAU201	40	U-BOLT	2	15U108
	SEACOAST (OPTIONAL)	1	301EAU201	41	BRACKET (FORMED)	2	205EAU142
16	SCREW-FLANGED	38	75LM51	42	BRACKET (FORMED)	2	206EAU142
17	NUT-FLANGED	28	50AW5	43	WASHER	6	95A3
18	BUSHING-SHEAVE	1	2009277	44	FILTER - OIL	1	201EDM369
19	FAN	1	202EAU701	45	WASHER	4	95W15
			204EAU701	46	NIPPLE	1	63L9G
20	GUARD-FAN	1	201EAU393	47	STRAINER	1	82E41
21	NUT-FLANGED	4	50AW4	48	PLUG	1	64AA2
22	SCREW-FLANGED	4	75LM50	50	LOCKWASHER (312EAU4003)	4	95B5
23	SCREW	4	655EE090	50	NUT-HEX	4	50B5
24	LOCKWASHER	4	95B5	**	CLAMP	1	98H3

* REPAIR: (2) GASKETS - 2109775

** Not shown.

CONTROL PIPING



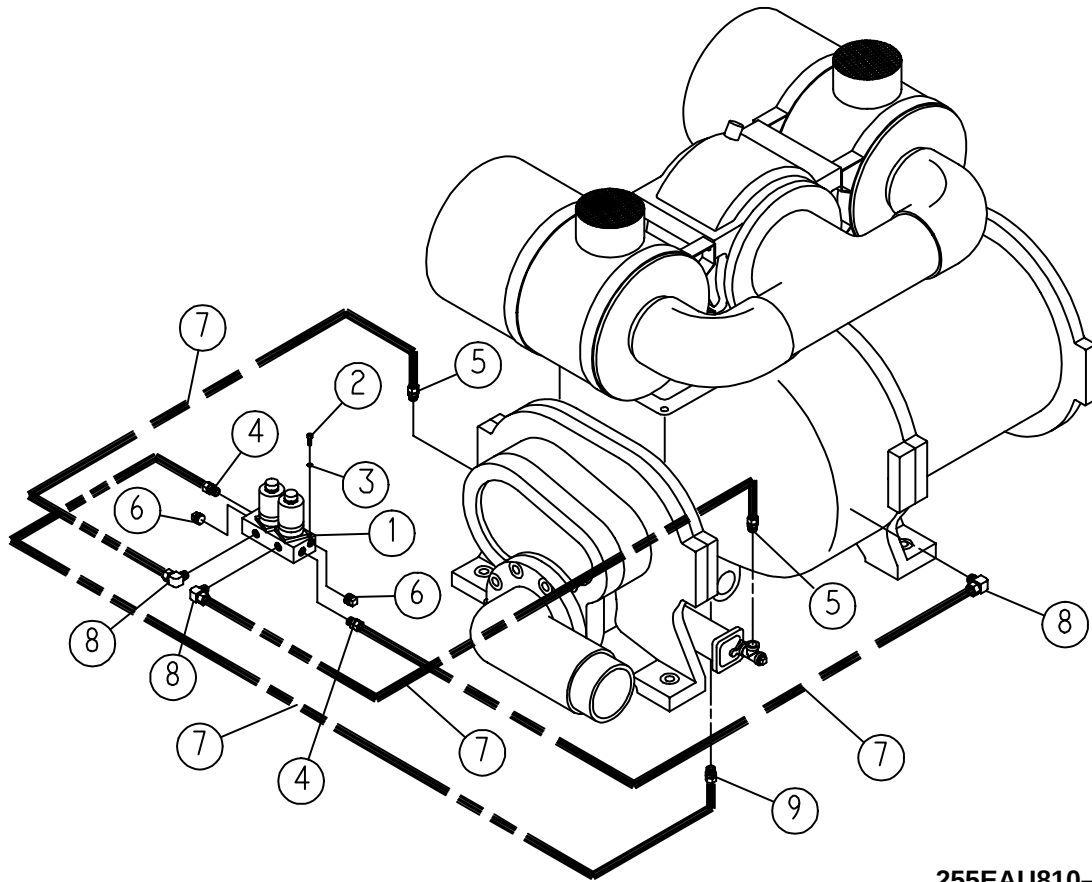
315EAU810
(Ref. Drawing)

CONTROL PIPING

444-449				444-449			
Ref. No.	Name of Part	Qty.	Motor Frame Part No.	Ref. No.	Name of Part	Qty.	Motor Frame Part No.
1	VALVE-SOLENOID	1	91B70	31	CONNECTOR-TUBE	1	86H144
2	NIPPLE	1	63D1G	32	VALVE-AIR CONTROL	1	90AR51
3	CONNECTOR-TUBE	1	86E28	33	ELBOW	1	86E64
4	ELBOW	1	86E64	34	LOCKWASHER	2	95B2
5	ELBOW	1	86E64	35	SCREW	2	75P42
6	CROSS	1	64K1G	36	TEE	1	86E136
8	VALVE-CHECK	2	90AR261	37	CONNECTOR-TUBE	1	86H144
9	TEE-PIPE	1	64G3G	38	TUBE	30	85K3
10	CONNECTOR-TUBE	2	86E9	39	TUBE	35	85K5
12	ELBOW-TUBE	1	86E60	41	ORIFICE	1	86N289
13	VALVE-SOLENOID	1	91B80	42	CONNECTOR-TUBE	1	86E9
14	ELBOW-TUBE	2	86E60	43	TEE-PIPE	1	64G3G
15	TEE-TUBE	1	86E119	44	CONNECTOR-TUBE	1	86E4
16	ELBOW-TUBE	1	86E60	45	NIPPLE-PIPE	1	63D1G
17	VALVE-SOLENOID	1	91B81	46	ELBOW	1	86E64
18	VALVE-CHECK	1	90AR261	47	CONNECTOR-TUBE	1	86H144
19	VALVE-CONTROL	1	90AR107	48	NIPPLE	1	63D1G
20	CONNECTOR-TUBE	1	86E4	49	REGULATOR	1	88H139
21	ELBOW	2	86E64	52	SWITCH-VACUUM	1	88H195
22	ELBOW	1	86E64	55	TRANSDUCER-PRESSURE .	2	88H242
23	ELBOW-TUBE	1	86E60	56	O-RING	3	165011
24	CONNECTOR-TUBE	3	86N287	57	TUBE WITH FITTINGS	1	310EAU863
25	SCREW-FLANGED	4	75LM51	58	TUBE WITH FITTINGS	1	311EAU863
26	NUT-FLANGED	4	50AW5				
27	CONNECTOR-TUBE	1	86E4	*	O-RING	1	24A383
28	CONNECTOR-TUBE	1	86H144	*	LOCKNUT-CONDUIT	1	24A77
29	CONNECTOR-TUBE	1	86E9	*	WIRE	8	97H2R
30	SEAL PLUG	1	24CA2597	*	LUG TERMINAL	2	24A476

* Not shown.

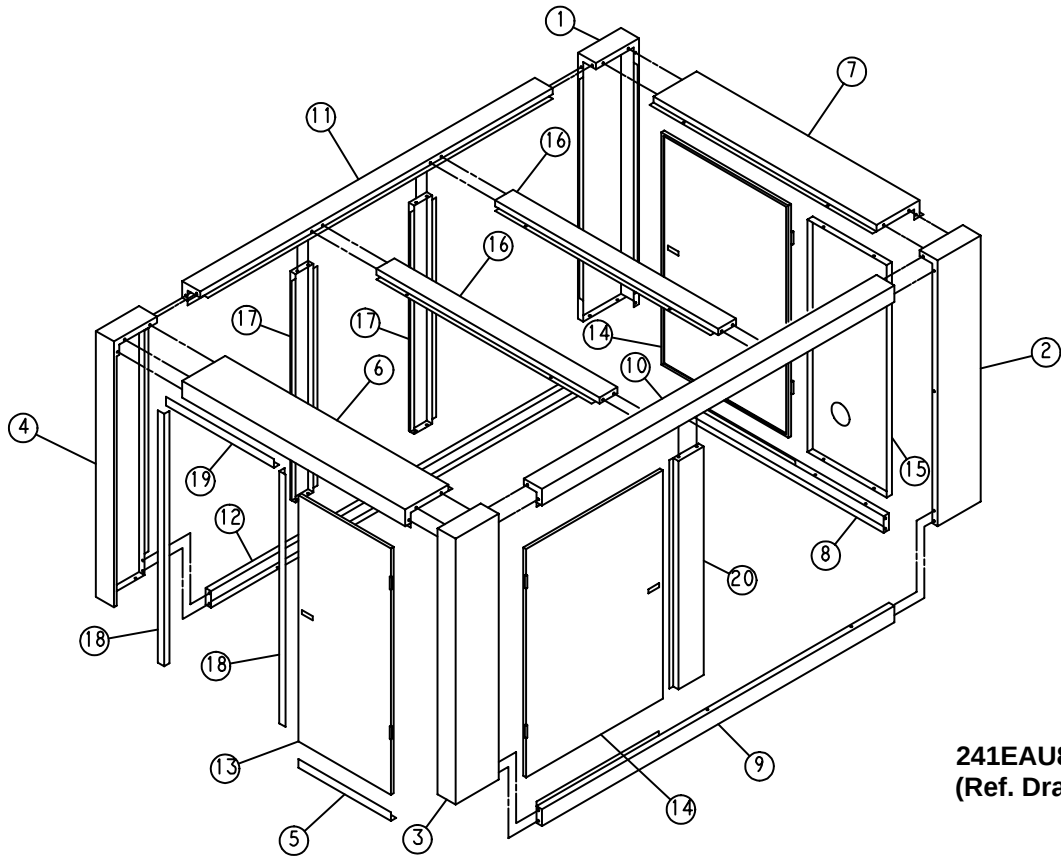
TURN VALVE ACTUATOR



255EAU810-A
(Ref. Drawing)

Ref. No.	Name of Part	Qty.	Part No.
1	VALVE-SOLENOID	1	200EAQ861
2	SCREW	2	75P26
3	WASHER-LOCK	2	95B1
4	CONNECTOR-TUBE	2	86E5
5	CONNECTOR (TUBE/PIPE)	2	86E4
6	PLUG	2	64AA4
7	TUBE	20 Ft.	85K3
8	ELBOW-TUBE	3	86E60
9	CONNECTOR-TUBE	1	86E5

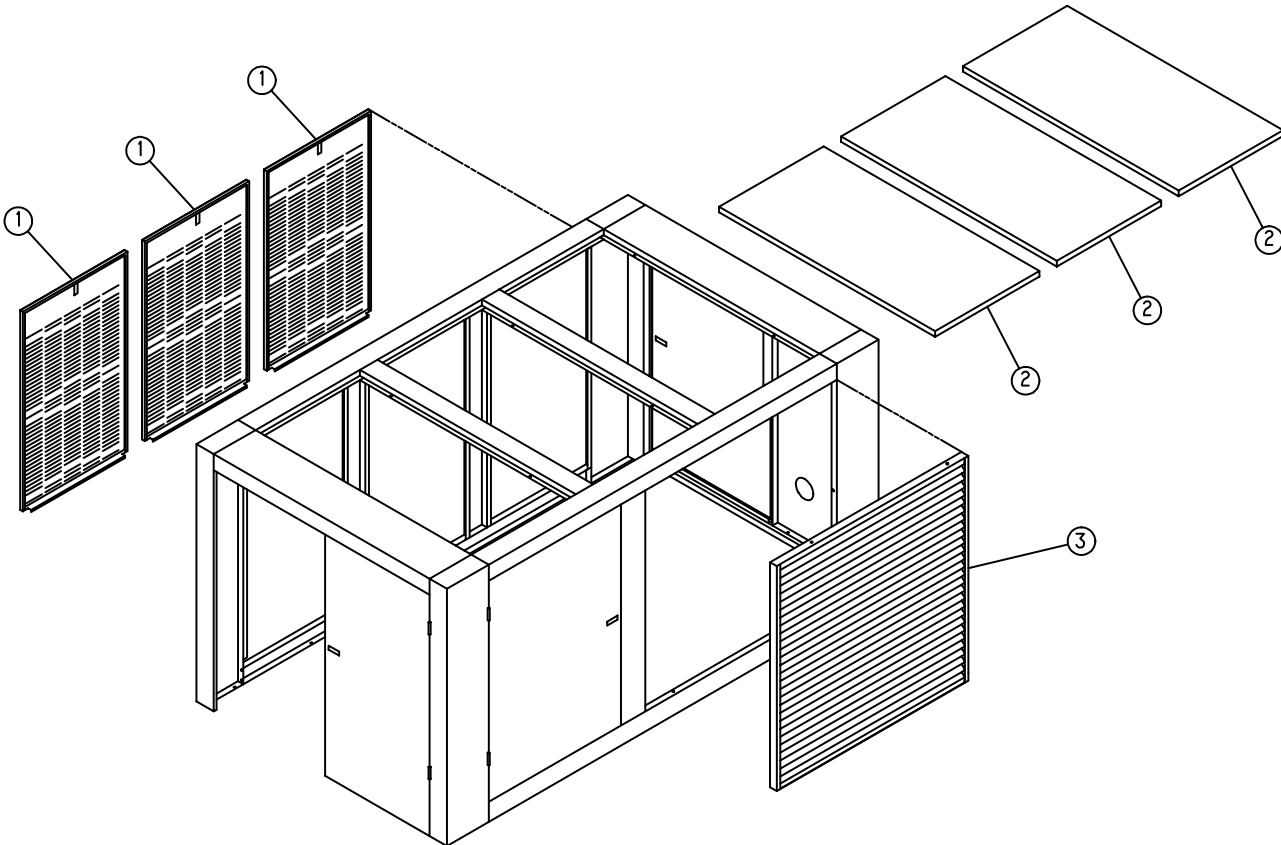
ENCLOSURE – COMMON PARTS
AIR/WATER COOLED – STANDARD OR QUIET UNITS



241EAU810-A
(Ref. Drawing)

Ref. No.	Name of Part	Qty.	Standard Part No.	Quiet Part No.
1	POST	1	203EAU313	210EAU313
2	POST	1	204EAU313	211EAU313
3	POST	1	205EAU313	212EAU313
4	POST	1	206EAU313	213EAU313
5	FRAME	1	211EAU314	211EAU314
6	FRAME	1	212EAU314	223EAU314
7	FRAME	1	213EAU314	224EAU314
8	FRAME	1	214EAU314	225EAU314
9	FRAME	1	215EAU314	226EAU314
10	FRAME	1	216EAU314	227EAU314
11	FRAME	1	217EAU314	228EAU314
12	FRAME	1	218EAU314	229EAU314
13	DOOR	1	204EAU334	206EAU334
14	DOOR	2	205EAU334	207EAU334
15	BRACE	1	200EAU326	205EAU326
16	BRACE	2	201EAU326	207EAU326
17	BRACE	2	202EAU326	208EAU326
18	BRACKET	2	201EAU142	201EAU142
19	BRACKET	1	202EAU142	202EAU142
20	BRACE	1	203EAU326	209EAU326

ENCLOSURE – AIR COOLED PANELS
STANDARD AND QUIET UNITS

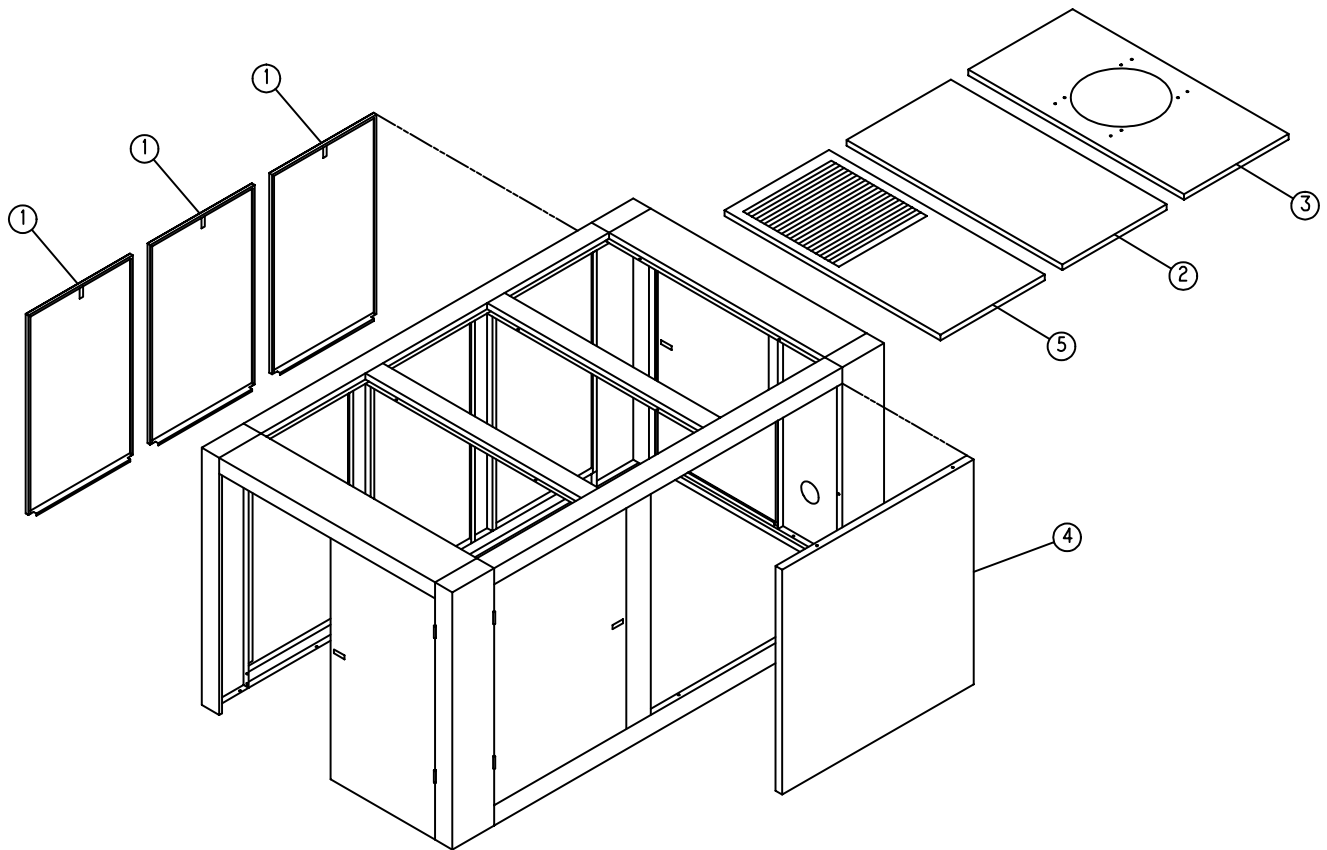


242EAU810–A
(Ref. Drawing)

* Refer to page 25 for Enclosure Part Numbers.

Ref. No.	Name of Part	Qty.	Standard Part No.	Quiet Part No.
1	PANEL	3	207EAU216	207EAU216
2	PANEL	3	209EAU216	220EAU216
3	PANEL	1	212EAU216	212EAU216

**ENCLOSURE – WATER COOLED PANELS
STANDARD OR QUIET UNITS**

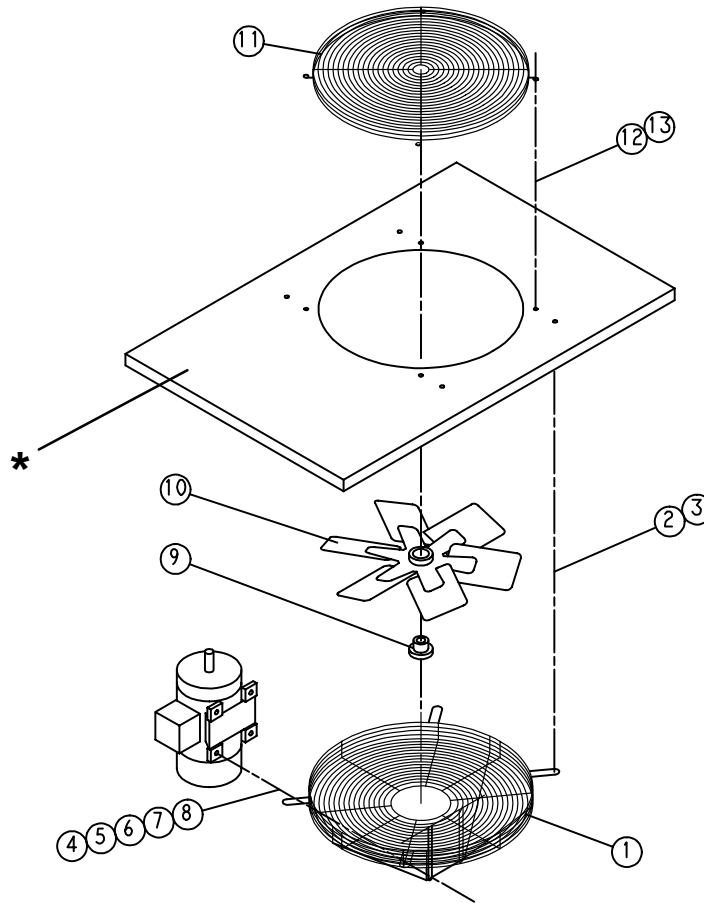


**243EAU810–A
(Ref. Drawing)**

* Refer to page 25 for Enclosure Part Numbers.

Ref. No.	Name of Part	Qty.	Standard Part No.	Quiet Part No.
1	PANEL	3	208EAU216	218EAU216
2	PANEL	1	209EAU216	217EAU216
3	PANEL	1	211EAU216	215EAU216
4	PANEL	1	210EAU216	216EAU216
5	PANEL	1	219EAU216	214EAU216

**ENCLOSURE – VENT FAN ASSEMBLY
(WATER COOLED UNITS ONLY)**

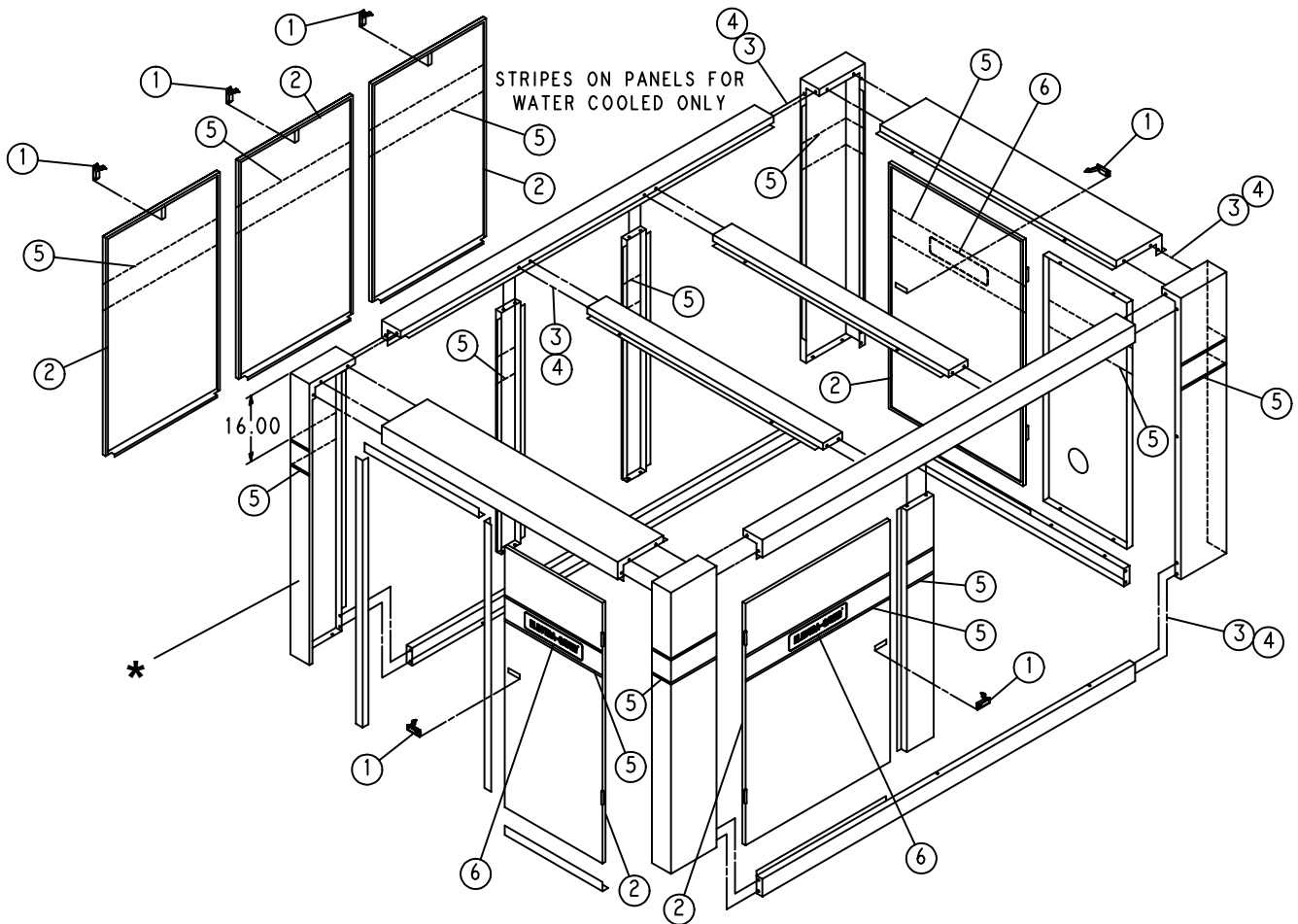


**262EAU810
(Ref. Drawing)**

* Refer to page 27 for Vent Fan Panel Part Numbers.

Ref. No.	Name of Part	Qty.	Part No.
1	GUARD–FAN	1	200EBB393
2	SCREW–FLANGED	4	75K48
3	WASHER	4	95A5
4	SCREW	4	75A35
5	RETAINER	4	2014731
6	WASHER	4	95A2
7	LOCKWASHER	4	95B2
8	NUT	4	50B2
9	BUSHING–SHEAVE	1	22G27
10	FAN	1	200EBB701
11	GUARD–FAN	1	200ECM393
12	SCREW–FLANGED	4	75LM51
13	NUT–FLANGED	4	50AW5

**ENCLOSURE – HARDWARE
ALL UNITS**

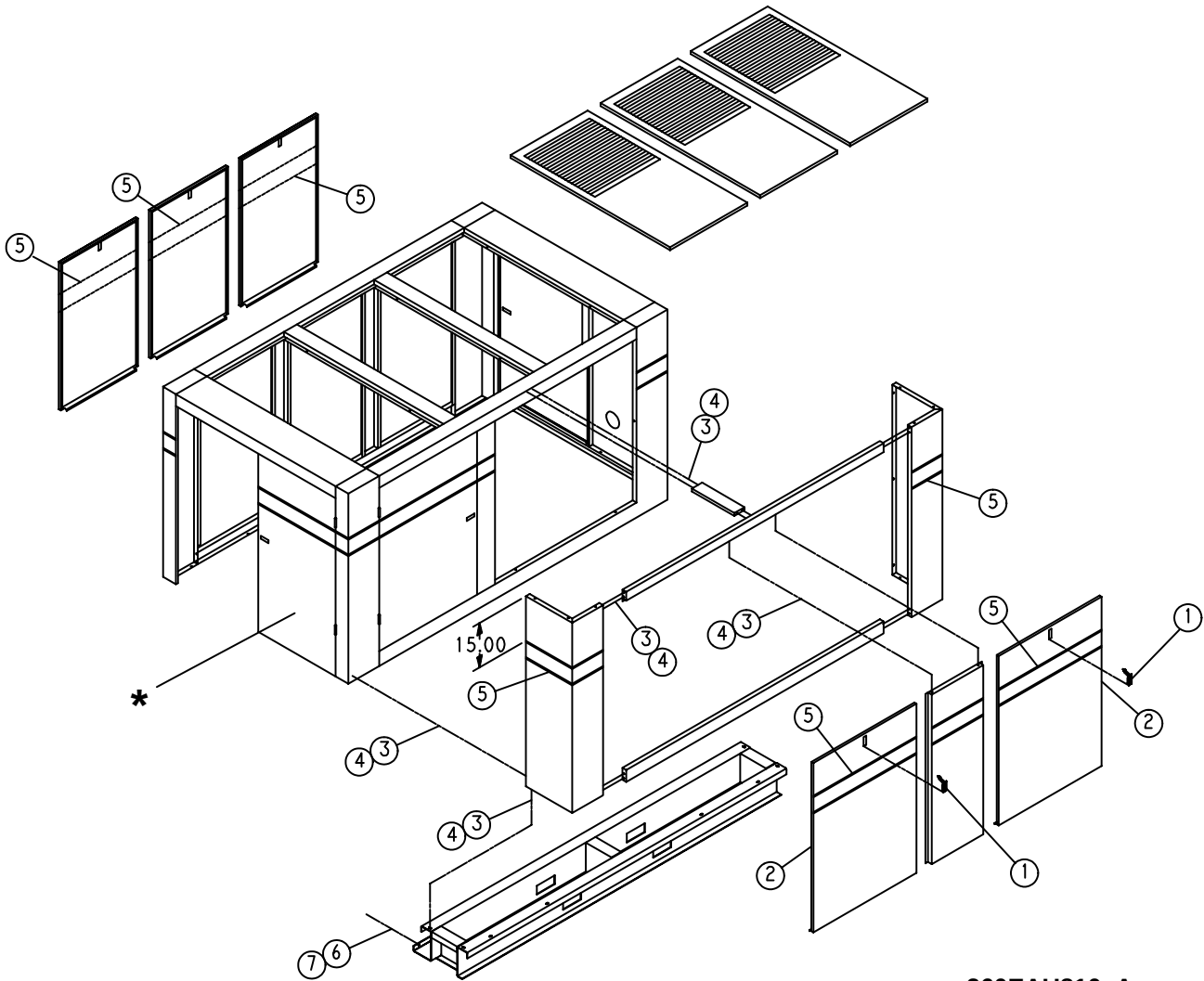


**257EAU810-C
(Ref. Drawing)**

* Refer to page 25 for Enclosure Part Numbers.

Ref. No.	Name of Part	Qty.	Part No.
1	LATCH	6	31D58
2	SEAL	84 Ft.	32E12
3	SCREW-FLANGED	104	75LM51
4	NUT-FLANGED	92	50AW5
5	DECAL	6	203ESO077
6	DECAL	3	201EAP077

ENCLOSURE – HARDWARE **QUIET BAFFLE UNITS – AIR COOLED**

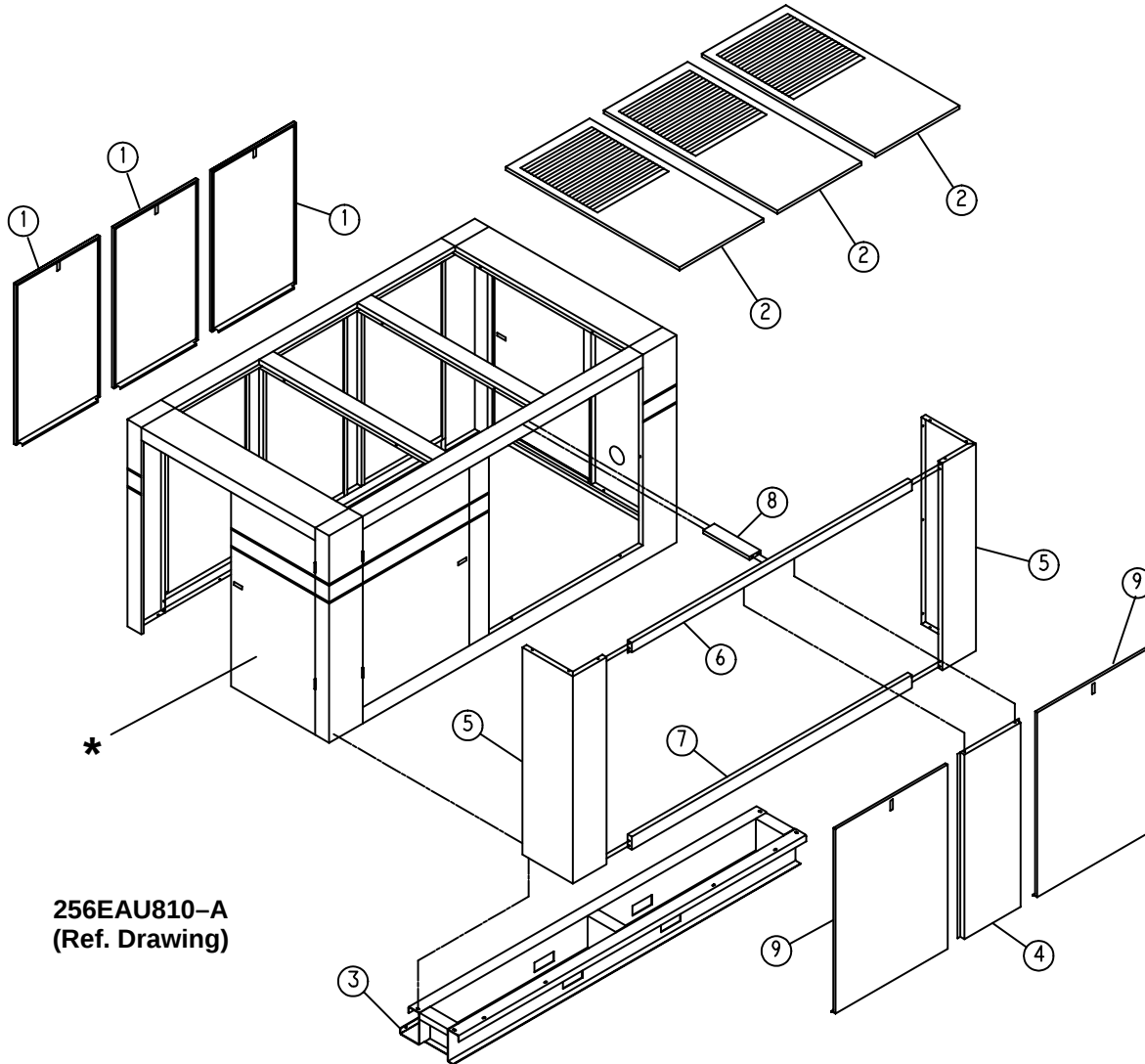


260EAU810-A
(Ref. Drawing)

* Refer to page 25 for Enclosure Part Numbers.

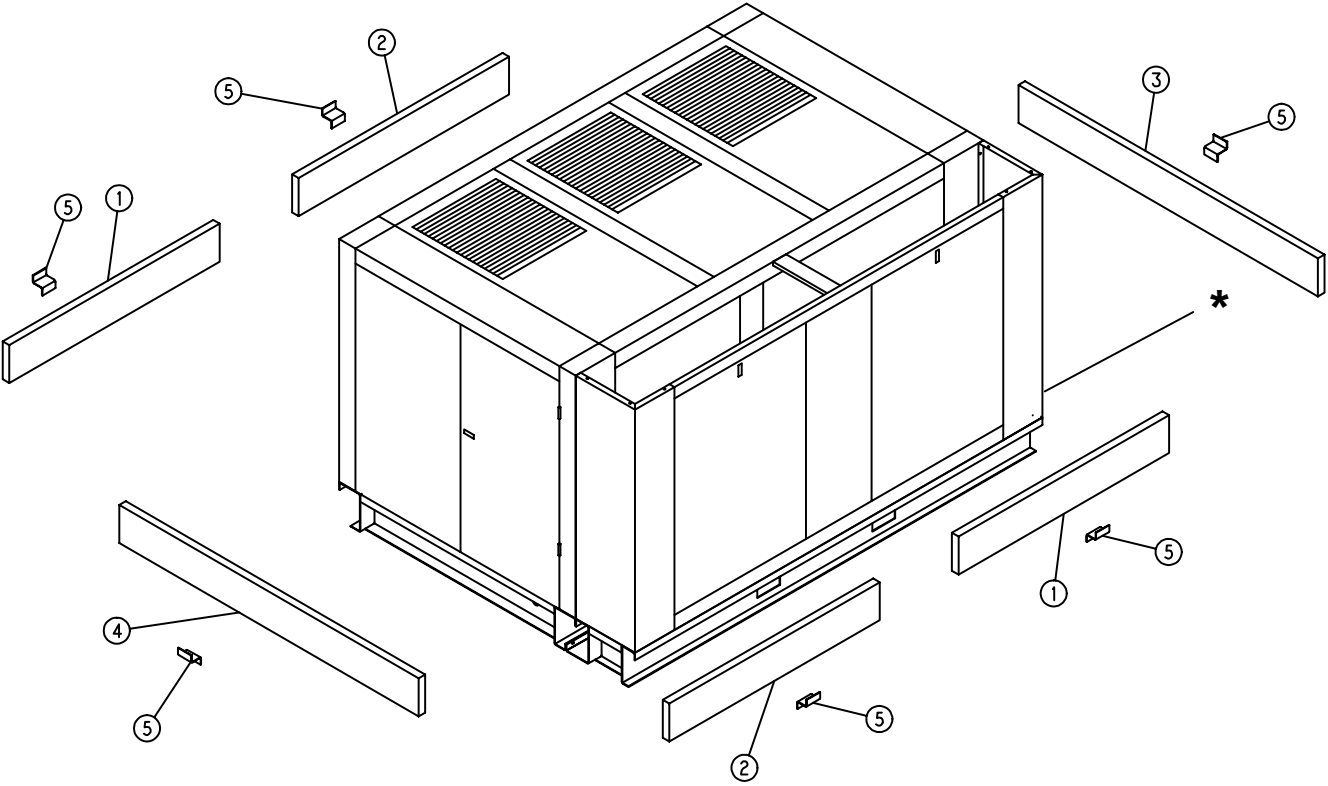
Ref. No.	Name of Part	Qty.	Part No.
1	LATCH	2	31D58
2	SEAL	27 Ft.	32E12
3	SCREW-FLANGED	30	75LM51
4	NUT-FLANGED	30	50AW5
5	DECAL	6	203ESO077
6	SCREW-FLANGED	4	75LM135
7	NUT-FLANGED	4	50AW35

**ENCLOSURE
QUIET BAFFLE – AIR COOLED**



Ref. No.	Name of Part	Qty.	Part No.
1	PANEL	3	218EAU216
2	PANEL	3	214EAU216
3	BASE	1	215EAU285
4	BRACE	1	204EAU326
5	POST	2	209EAU313
6	FRAME	1	222EAU314
7	FRAME	1	221EAU314
8	BRACE	1	205EAU326
9	PANEL	2	213EAU216

ENCLOSURE SKIRT
AIR COOLED – QUIET

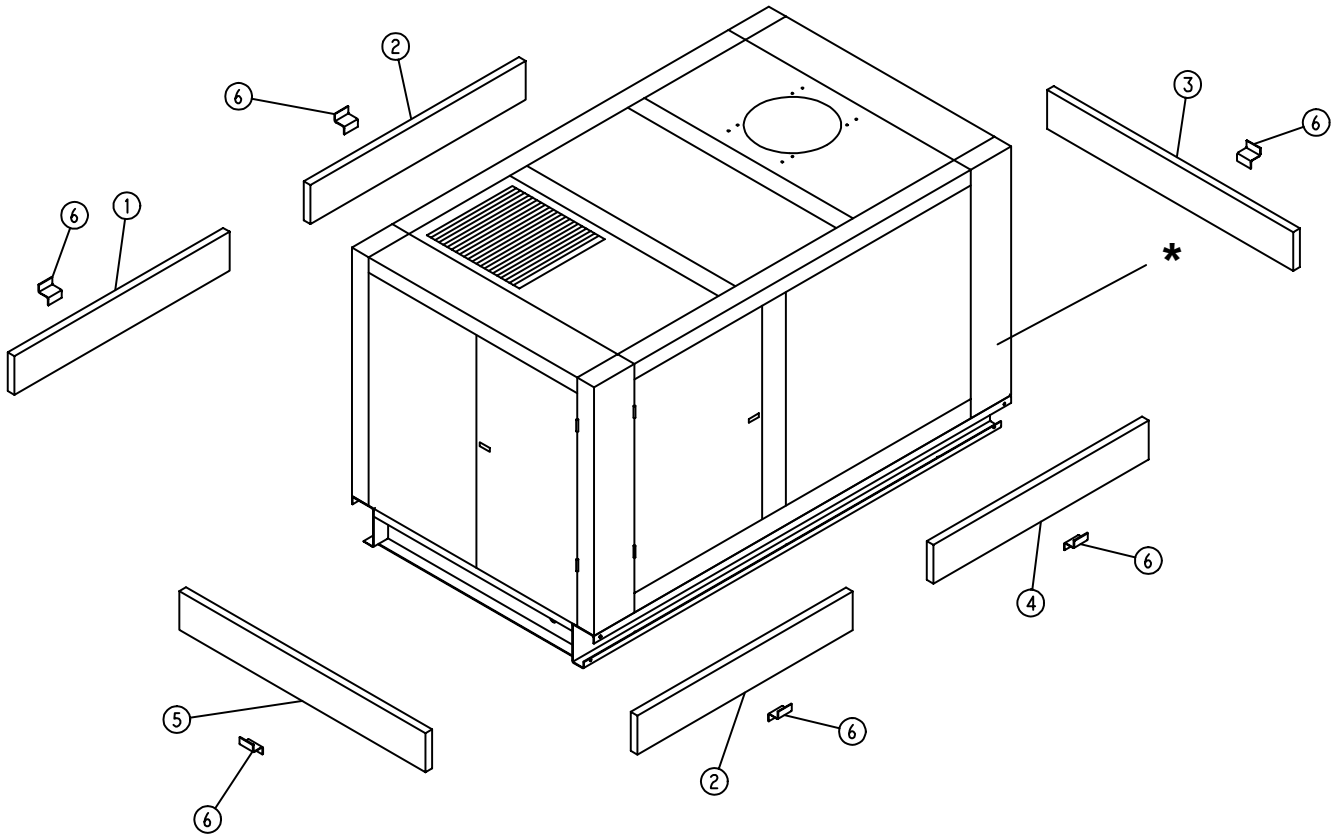


265EAU810
(Ref. Drawing)

* Refer to page 25 for Enclosure Part Numbers.

Ref. No.	Name of Part	Qty.	Part No.
1	SKIRT	2	200EAU1367
2	SKIRT	2	201EAU1367
3	SKIRT	1	205EAU1367
4	SKIRT	1	206EAU1367
5	HANGER	6	200EAU380

**ENCLOSURE SKIRT
WATER COOLED – QUIET**



**264EAU810
(Ref. Drawing)**

* Refer to page 25 for Enclosure Part Numbers.

Ref. No.	Name of Part	Qty.	Part No.
1	SKIRT	1	200EAU1367
2	SKIRT	2	201EAU1367
3	SKIRT	1	203EAU1367
4	SKIRT	1	202EAU1367
5	SKIRT	1	204EAU1367
6	HANGER	6	200EAU380

**MOTOR GROUP (MAIN DRIVE MOTORS)
WYE DELTA – 60 HZ**

NAME OF PART	200 HP PART NO.	250 HP PART NO.	300 HP PART NO.
OPEN DRIP PROOF (ODP)			
MOTOR, 200V	24CA4268	24CA4270	24CA4272
MOTOR, 230V	24CA4269	24CA4271	24CA4273
MOTOR, 460V	24CA2111	24CA2112	24CA2113
MOTOR, 575V	24CA2117	24CA2118	24CA2119
OPEN DRIP PROOF (ODP – HIGH EFFICIENCY)			
MOTOR, 200V	24CA4276	24CA4280	24CA4274
MOTOR, 230V	24CA4277	24CA4281	24CA4285
MOTOR, 460V	24CA4278	24CA4282	24CA4286
MOTOR, 575V	24CA4279	24CA4283	24CA4287
TOTALLY ENCLOSED FAN COOLED (TEFC)			
MOTOR, 200V	24CA4291	24CA4295	24CA4299
MOTOR, 230V	24CA4292	24CA4296	24CA4300
MOTOR, 460V	24CA4293	24CA4297	24CA4301
MOTOR, 575V	24CA4294	24CA4298	24CA4302
TOTALLY ENCLOSED FAN COOLED (TEFC – HIGH EFFICIENCY)			
MOTOR, 200V	24CA4306	24CA4310	24CA4314
MOTOR, 230V	24CA4307	24CA4311	24CA4315
MOTOR, 460V	24CA4308	24CA4312	24CA4316
MOTOR, 575V	24CA4309	24CA4313	24CA4317

MOTOR GROUP (FAN MOTORS)

**AIR COOLED FAN MOTOR (COOLING MODULE)
(T.E.A.O., 10 HP, 900 RPM, 60 HZ, 1.40 S.F.)**

VOLTAGE	P/N
MOTOR, 200V	24CA358
MOTOR, 230V	24CA193
MOTOR, 460V	24CA193
MOTOR, 575V	24CA359

**WATER COOLED FAN MOTOR (ENCLOSURE VENT FAN)
(T.E.F.C., 1/2 H.P., 1800 RPM, 60 HZ, 1.0 S.F.)**

VOLTAGE	P/N
MOTOR, 200V	24CA2180
MOTOR, 230V	24CA2182
MOTOR, 460V	24CA2182
MOTOR, 575V	24CA2184

OVERLOAD RELAY HEATER CONVERSION LISTING

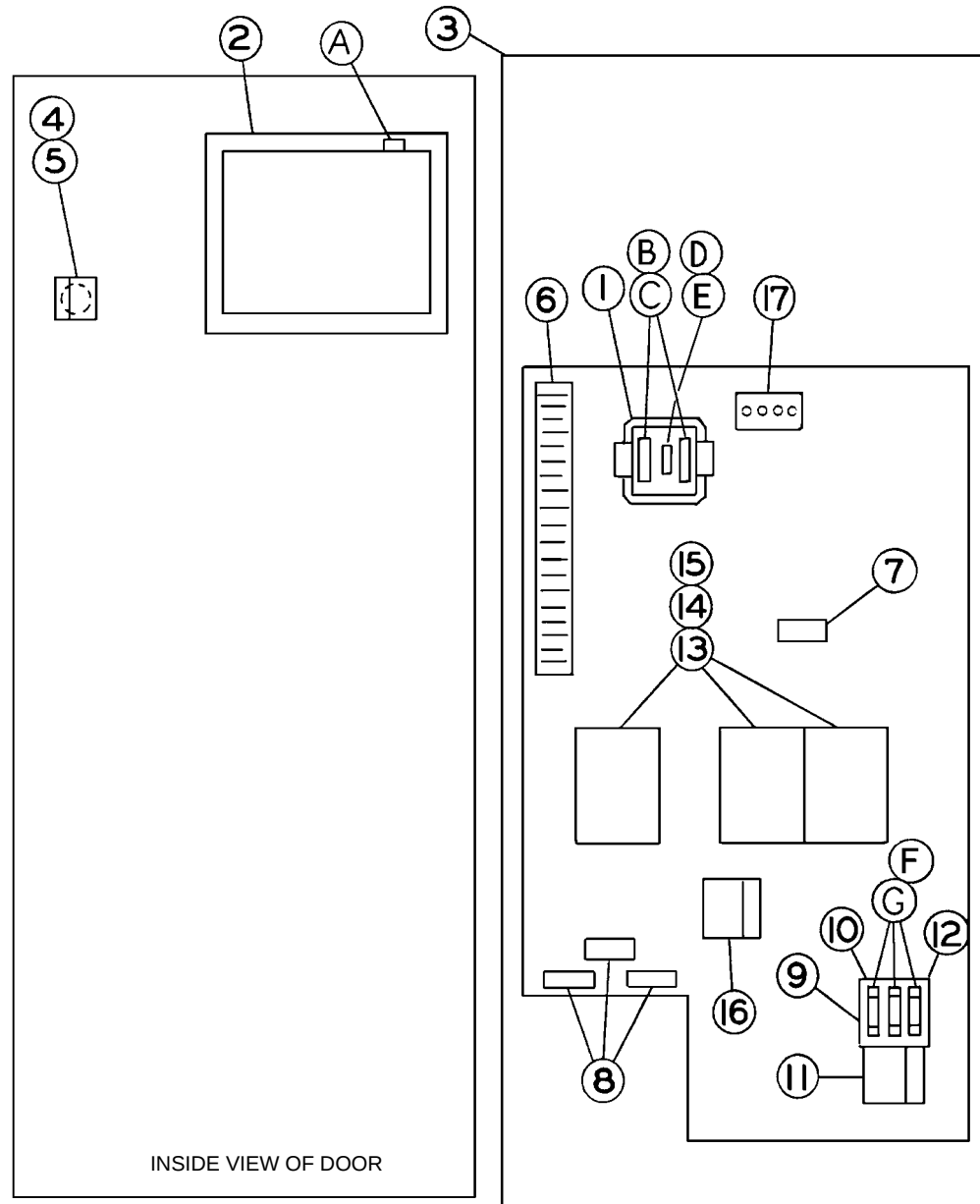
Refer to Motor Nameplate “Amperage” and Decal in Control Panel for Selection of Overload Relay Heater Packs.

CUTLER-HAMMER PART NUMBER

GARDNER DENVER PART NUMBER

H2002B	24CA4101
H2003B	24CA4102
H2004B	24CA4103
H2005B	24CA4104
H2006B	24CA4105
H2007B	24CA4106
H2008B	24CA4107
H2009B	24CA4108
H2010B	24CA4109
H2011B	24CA4110
H2012B	24CA4111
H2013B	24CA4112
H2014B	24CA4113
H2015B	24CA4114
H2016B	24CA4115
H2017B	24CA4116
H2018	24CA2924
H2019	24CA2925
H2020	24CA2926
H2021	24CA2927
H2022	24CA2893
H2023	24CA2894
H2024	24CA2928

CONTROLLER ASSEMBLY
200/250/300 H.P. – WYE DELTA STARTERS



**CONTROLLER ASSEMBLY
200 H.P. – WYE DELTA STARTERS**

		QTY.	230V	460V	575V
*	ASSEMBLED PANEL – ES+ : NEMA 12	1	276EAU466	272EAU466	280EAU466
*	ASSEMBLED PANEL – ES+ : NEMA 4	1	277EAU466	273EAU466	281EAU466
*	ASSEMBLED PANEL – ES : NEMA 12	1	226EAU466	222EAU466	230EAU466
*	ASSEMBLED PANEL – ES : NEMA 4	1	227EAU466	223EAU466	231EAU466
A	FUSE, CONTROLLER ALARM RELAY	1	24CA1267	24CA1267	24CA1267
B	FUSE, CONTROL TRANSFORMER, PRIMARY	2	24CA2786	24CA2783	24CA3722
C	DECAL, PRIMARY FUSE	1	265AUX077	262AUX077	294AUX077
D	FUSE, CONTROL TRANSFORMER, SECONDARY ..	1	24CA3729	24CA3729	24CA3729
E	DECAL, SECONDARY FUSE	1	301AUX077	301AUX077	301AUX077
F	FUSE, FAN MOTOR, AIR COOLED	3	24CA4323	24CA4321	24CA4097
F	FUSE, FAN MOTOR, WATER COOLED	3	24CA4092	24CA4090	24CA4320
G	DECAL, FAN MOTOR FUSE, AIR COOLED	1	324AUX077	322AUX077	315AUX077
G	DECAL, FAN MOTOR FUSE, WATER COOLED	1	310AUX077	308AUX077	321AUX077
1	TRANSFORMER, CONTROL	1	2116287	2116287	2116288
2	ELECTRONIC CONTROLLER – ES+	1	200EAU1173	200EAU1173	200EAU1173
2	ELECTRONIC CONTROLLER – ES	1	202EAP1173	202EAP1173	202EAP1173
3	ELECTRONIC CONTROL ENCLOSURE	1	200EAU179	200EAU179	200EAU179
4	OPERATOR, EMERGENCY STOP	1	24CA2907	24CA2907	24CA2907
5	CONTACT BLOCK	1	24CA2908	24CA2908	24CA2908
6	TERMINAL BLOCK SECTION	6	24CA2633	24CA2633	24CA2633
7 *	CURRENT TRANSFORMER	1	24CA4242	24CA4242	24CA4242
8	CURRENT TRANSFORMER	3	24CA4163	24CA4163	24CA4163
9	STARTER, FAN MOTOR	1	24CA4142	24CA4137	24CA4137
10	REPLACEMENT COIL FOR ITEM 9	1	2116124	2116923	2116923
11	OVERLOAD RELAY FOR ITEM 9	1	24CA4086	24CA4086	24CA4086
12	FUSE HOLDER	1	24CA4164	24CA4098	24CA4098
13	CONTACTOR – MAIN MOTOR	3	24CA4160	24CA4158	24CA4158
14	COIL FOR ITEM 13	3	2116921	2116920	2116920
15	CONTACT KIT FOR ITEM 13	3	2116917	2116915	2116915
16	OVERLOAD RELAY – MAIN MOTOR	1	24CA4086	24CA4086	24CA4086
17 *	CURRENT TRANSDUCER	1	24CA4241	24CA4241	24CA4241

* Items 7 and 17 are used with ES+ Controller only.

Refer to drawing on page 36.

**CONTROLLER ASSEMBLY
250 H.P. – WYE DELTA STARTERS**

		QTY.	230V	460V	575V
* 1	ASSEMBLED PANEL – ES+ : NEMA 12	1	276EAU466	274EAU466	280EAU466
* 2	ASSEMBLED PANEL – ES+ : NEMA 4	1	277EAU466	275EAU466	281EAU466
* 3	ASSEMBLED PANEL – ES : NEMA 12	1	226EAU466	224EAU466	230EAU466
* 4	ASSEMBLED PANEL – ES : NEMA 4	1	227EAU466	225EAU466	231EAU466
A	FUSE, CONTROLLER ALARM RELAY	1	24CA1267	24CA1267	24CA1267
B	FUSE, CONTROL TRANSFORMER, PRIMARY	2	24CA2786	24CA2783	24CA3722
C	DECAL, PRIMARY FUSE	1	265AUX077	262AUX077	294AUX077
D	FUSE, CONTROL TRANSFORMER, SECONDARY ..	1	24CA3729	24CA3729	24CA3729
E	DECAL, SECONDARY FUSE	1	301AUX077	301AUX077	301AUX077
F	FUSE, FAN MOTOR, AIR COOLED	3	24CA4323	24CA4321	24CA4097
F	FUSE, FAN MOTOR, WATER COOLED	3	24CA4092	24CA4090	24CA4320
G	DECAL, FAN MOTOR FUSE, AIR COOLED	1	324AUX077	322AUX077	315AUX077
G	DECAL, FAN MOTOR FUSE, WATER COOLED	1	310AUX077	308AUX077	321AUX077
1	TRANSFORMER, CONTROL	1	2116287	2116287	2116288
2	ELECTRONIC CONTROLLER – ES+	1	200EAU1173	200EAU1173	200EAU1173
2	ELECTRONIC CONTROLLER – ES	1	202EAP1173	202EAP1173	202EAP1173
3	ELECTRONIC CONTROL ENCLOSURE	1	200EAU179	200EAU179	200EAU179
4	OPERATOR, EMERGENCY STOP	1	24CA2907	24CA2907	24CA2907
5	CONTACT BLOCK	1	24CA2908	24CA2908	24CA2908
6	TERMINAL BLOCK SECTION	6	24CA2633	24CA2633	24CA2633
7 *	CURRENT TRANSFORMER	1	24CA4242	24CA4242	24CA4242
8	CURRENT TRANSFORMER	3	24CA4163	24CA4163	24CA4163
9	STARTER, FAN MOTOR	1	24CA4142	24CA4137	24CA4137
10	REPLACEMENT COIL FOR ITEM 9	1	2116124	2116923	2116923
11	OVERLOAD RELAY FOR ITEM 9	1	24CA4086	24CA4086	24CA4086
12	FUSE HOLDER	1	24CA4164	24CA4098	24CA4098
13	CONTACTOR – MAIN MOTOR	3	24CA4160	24CA4159	24CA4158
14	COIL FOR ITEM 13	3	2116921	2116920	2116920
15	CONTACT KIT FOR ITEM 13	3	2116917	2116916	2116915
16	OVERLOAD RELAY – MAIN MOTOR	1	24CA4086	24CA4086	24CA4086
17 *	CURRENT TRANSDUCER	1	24CA4241	24CA4241	24CA4241

* Items 7 and 17 are used with ES+ Controller only.

Refer to drawing on page 36.

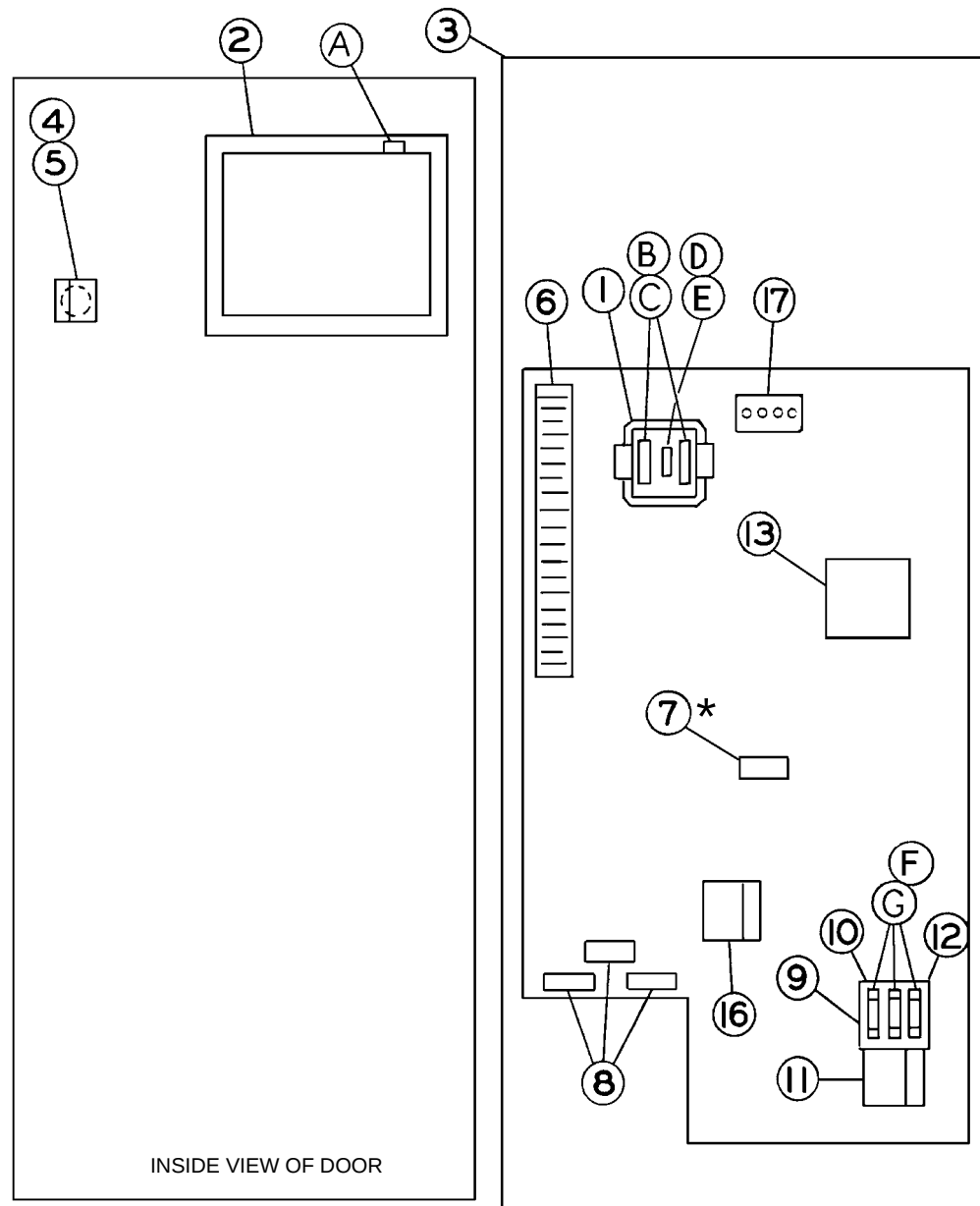
**CONTROLLER ASSEMBLY
300 H.P. – WYE DELTA STARTERS**

		QTY.	460V	575V
*	ASSEMBLED PANEL – ES+ : NEMA 12	1	274EAU466	282EAU466
*	ASSEMBLED PANEL – ES+ : NEMA 4	1	275EAU466	283EAU466
*	ASSEMBLED PANEL – ES : NEMA 12	1	224EAU466	232EAU466
*	ASSEMBLED PANEL – ES : NEMA 4	1	225EAU466	233EAU466
A	FUSE, CONTROLLER ALARM RELAY	1	24CA1267	24CA1267
B	FUSE, CONTROL TRANSFORMER, PRIMARY	2	24CA2783	24CA3722
C	DECAL, PRIMARY FUSE	1	262AUX077	294AUX077
D	FUSE, CONTROL TRANSFORMER, SECONDARY	1	24CA3729	24CA3729
E	DECAL, SECONDARY FUSE	1	301AUX077	301AUX077
F	FUSE, FAN MOTOR, AIR COOLED	3	24CA4321	24CA4097
F	FUSE, FAN MOTOR, WATER COOLED	3	24CA4090	24CA4320
G	DECAL, FAN MOTOR FUSE, AIR COOLED	1	322AUX077	315AUX077
G	DECAL, FAN MOTOR FUSE, WATER COOLED	1	308AUX077	321AUX077
1	TRANSFORMER, CONTROL	1	2116287	2116288
2	ELECTRONIC CONTROLLER – ES+	1	200EAU1173	200EAU1173
2	ELECTRONIC CONTROLLER – ES	1	202EAP1173	202EAP1173
3	ELECTRONIC CONTROL ENCLOSURE	1	200EAU179	200EAU179
4	OPERATOR, EMERGENCY STOP	1	24CA2907	24CA2907
5	CONTACT BLOCK	1	24CA2908	24CA2908
6	TERMINAL BLOCK SECTION	6	24CA2633	24CA2633
7	CURRENT TRANSFORMER	1	24CA4242	24CA4242
8	CURRENT TRANSFORMER	3	24CA4163	24CA4163
9	STARTER, FAN MOTOR	1	24CA4137	24CA4137
10	REPLACEMENT COIL FOR ITEM 9	1	2116923	2116923
11	OVERLOAD RELAY FOR ITEM 9	1	24CA4086	24CA4086
12	FUSE HOLDER	1	24CA4098	24CA4098
13	CONTACTOR – MAIN MOTOR	3	24CA4159	24CA4159
14	COIL FOR ITEM 13	3	2116920	2116920
15	CONTACT KIT FOR ITEM 13	3	2116916	2116916
16	OVERLOAD RELAY – MAIN MOTOR	1	24CA4086	24CA4086
17	CURRENT TRANSDUCER	1	24CA4241	24CA4241

* Items 7 and 17 are used with ES+ Controller only.

Refer to drawing on page 36.

**CONTROLLER ASSEMBLY
200/250/300 H.P. – LESS MAIN MOTOR STARTER**



CONTROLLER ASSEMBLY
200/250/300 H.P. – LESS MAIN MOTOR STARTER

		QTY.	200V	230V	460V	575V
*	ASSEMBLED PANEL – ES+ : NEMA 12	1	298EAU466	292EAU466	290EAU466	294EAU466
*	ASSEMBLED PANEL – ES+ : NEMA 4	1	299EAU466	293EAU466	291EAU466	295EAU466
*	ASSEMBLED PANEL – ES : NEMA 12	1	248EAU466	242EAU466	240EAU466	244EAU466
*	ASSEMBLED PANEL – ES : NEMA 4	1	249EAU466	243EAU466	241EAU466	245EAU466
A	FUSE, CONTROLLER ALARM RELAY	1	24CA1267	24CA1267	24CA1267	24CA1267
B	FUSE, CONTROL TRANSFORMER, PRIMARY	2	24CA4093	24CA2786	24CA2783	24CA3722
C	DECAL, PRIMARY FUSE	1	311AUX077	265AUX077	262AUX077	294AUX077
D	FUSE, CONTROL TRANSFORMER, SECONDARY ..	1	24CA3729	24CA3729	24CA3729	24CA3729
E	DECAL, SECONDARY FUSE	1	301AUX077	301AUX077	301AUX077	301AUX077
F	FUSE, FAN MOTOR, AIR COOLED	3	24CA4323	24CA4323	24CA4321	24CA4097
F	FUSE, FAN MOTOR, WATER COOLED	3	24CA4093	24CA4092	24CA4090	24CA4320
G	DECAL, FAN MOTOR FUSE, AIR COOLED	1	324AUX077	324AUX077	322AUX077	315AUX077
G	DECAL, FAN MOTOR FUSE, WATER COOLED	1	311AUX077	310AUX077	308AUX077	321AUX077
1	TRANSFORMER, CONTROL	1	2116286	2116287	2116287	2116288
2	ELECTRONIC CONTROLLER – ES+	1	200EAU1173	200EAU1173	200EAU1173	200EAU1173
2	ELECTRONIC CONTROLLER – ES	1	202EAP1173	202EAP1173	202EAP1173	202EAP1173
3	ELECTRONIC CONTROL ENCLOSURE	1	200EAU179	200EAU179	200EAU179	200EAU179
4	OPERATOR, EMERGENCY STOP	1	24CA2907	24CA2907	24CA2907	24CA2907
5	CONTACT BLOCK	1	24CA2908	24CA2908	24CA2908	24CA2908
6	TERMINAL BLOCK SECTION	6	24CA2633	24CA2633	24CA2633	24CA2633
7 +*	CURRENT TRANSFORMER	1	24CA4242	24CA4242	24CA4242	24CA4242
9	STARTER, FAN MOTOR	1	24CA4142	24CA4142	24CA4137	24CA4137
10	REPLACEMENT COIL FOR ITEM 9	1	2116124	2116924	2116923	2116923
11	OVERLOAD RELAY FOR ITEM 9	1	24CA4087	24CA4086	24CA4086	24CA4086
12	FUSE HOLDER	1	24CA4164	24CA4164	24CA4098	24CA4098
13	CONTACTOR – MAIN MOTOR	3	24CA3896	24CA3896	24CA3896	24CA3896
17 *	CURRENT TRANSDUCER	1	24CA4241	24CA4241	24CA4241	24CA4241

+ This item is removed during installation and re-installed in the Main Starter Box.

* Items 7 and 17 are used with ES+ Controller only.

Refer to drawing on page 40.

IDENTIFICATION AND INSTRUCTION GROUP

Ref. No.	Name of Part	Qty.	Air Cooled Part No.	Water Cooled Part No.
1	DECAL, OPERATION & MAINTENANCE	1	217ECM077	217ECM077
2	DECAL, WARNING	1	227EAQ077	227EAQ077
3	DECAL, QUALITY WITHOUT QUESTION	1	251EAQ077	251EAQ077
4	DECAL, MADE IN THE U.S.A.	1	69F64	69F64
5	DECAL, OIL FILL INSTRUCTIONS	1	240EAQ077	240EAQ077
6	DECAL, AEON 9000 SP LUBRICANT	1	243EAQ077	243EAQ077
7	DECAL, CAUTION	1	203ESF077	203ESF077
8	DECAL, DANGER – HOT OIL UNDER PRESSURE ...	1	212EAQ077	212EAQ077
9	DECAL, WARNING – INSPECT RESERVOIR	1	217EAQ077	217EAQ077
10	DECAL, VERTICAL GARDNER DENVER	2	69F18	69F18
11	DECAL, NOTICE – USE GARDNER DENVER PARTS	2	214EAQ077	214EAQ077
12	DECAL, DRAIN MOISTURE DAILY	1	205ESO077	205ESO077
13	DECAL, DANGER – DO NOT BREATHE	1	206EAQ077	206EAQ077
14	TAG–INSTRUCTION, (COUPLING JAW GAP)	1	203EAQ304	203EAQ304
15	DECAL, WARNING – ROTATING MACHINERY	1	211EAQ077	211EAQ077
16	DECAL, CAUTION – DO NOT LIFT	1	208EAQ077	208EAQ077
17	RIVET, NAME PLATE TO BASE	4	70E13	70E13
18	PLATE–NAME	1	208EAQ496	208EAQ496
19	DECAL, ELECTRA SAVER	1	202EAP077	202EAP077
20	DECAL, CAUTION – USE FLOOR PLATE	1	221EAQ077	221EAQ077
21	DECAL, WARNING – READ OPERATOR MANUAL ...	1	215EAQ077	215EAQ077
22	DECAL, WARNING – ELECTRICAL SHOCK	1	213EAQ077	213EAQ077
23	DECAL, WARNING – ROTATING MACHINERY	1	222EAQ077	222EAQ077
24	DECAL, DANGER – DO NOT MODIFY	1	218EAQ077	218EAQ077
25	DECAL, WARNING – ELECTRICAL SHOCK	1	216EAQ077	216EAQ077
26	POCKET, INSTRUCTION TAGS	1	200EAQ1304	200EAQ1304
27	DECAL, PARTS LIST & SERVICE MANUAL	1	204EDE077	204EDE077
28	TAG–INSTRUCTION, AUTO–SENTRY	1	204EAQ304	204EAQ304
29	TAG–INSTRUCTION, AUTO–SENTRY	1	205EAQ304	205EAQ304
30	DECAL, “IN” – HEAT EXCHANGER	1	-----	200ESP077
31	DECAL, “OUT” – HEAT EXCHANGER	1	-----	201ESP077

REPAIR KITS

ROUTINE MAINTENANCE KIT (Heavy Duty Air Filter) (Incl. next two items)	1	300EAU6013
ELEMENT, AIR FILTER	4	2117151
ELEMENT, OIL FILTER	3	201EDM369
PERIODIC MAINTENANCE KIT (Inlet Valve) (Includes next 6 items)		201SSU6003
RING GASKET	1	25BC160
GASKET	1	25C2683N
GASKET	1	203SSU715N
SPRING	1	78A366
VALVE DISC	1	200SSW067
INLET VALVE PISTON ASSEMBLY	1	S11543D
SEPARATOR KIT (Includes next 3 items)		202EAU6013
OIL SEPARATOR	1	300EAU035
GASKET	1	200EAU715N
LUBRICANT (OIL SEAL GREASE)	1	2116755
PERIODIC OVERHAUL KIT (Includes next eight items)		300SSU6013
GASKET KIT	1	301SSU6013
OIL SEAL KIT	1	302SSU6013
ROLLER BEARING	2	12BA52
ROLLER BEARING	1	12W34
ROLLER BEARING	1	12BA79
WAVE SPRING	1	78W54
ROLLER BEARING	2	12C60
ROLLER BEARING	2	12BA51
GASKET KIT (Includes next nine items)		301SSU6013
PERIODIC MAINTENANCE KIT (INLET VALVE)	1	201EAU6003
GASKET	1	208SSU715N
SHIM SET (SHAFT)	1	77H55
SHIM SET	1	77H50
GASKET	2	209SSU715N
PACKING RING	4	60AM46
FASTENER SEAL	2	60DD65
GASKET	4	25BC138N
GASKET ELIMINATOR	1	25BC222
OIL SEAL KIT (Includes next ten items)		302SSU6013
WEAR SLEEVE	1	80M28
OIL SEAL	1	60DD571
OIL SEAL	1	60DD689
O-RING	1	25BC205
O-RING	1	25BC431
SHIM	12	204SSY732
SHIM	12	205SSY732
SHIM	6	207SSY732
SHIM	6	208SSY732
CHECK VALVE	1	90AR923

REPAIR KITS

WEAR SLEEVE INSTALLATION / REMOVAL KIT		200SSU4017
(Includes next seven items)		
PULLER	1	200SSQ219
PLATE PULLER	1	200SSQ340
SCREW	1	655EE030
SCREW	1	655ED120
SCREW	2	75D178
GUIDE	1	200SSU450
TOOL	1	200SSQ074
PERIODIC MAINTENANCE KIT (Package) (Includes next 2 items)		201EAU6013
ELEMENT (MIXING VALVE – 150° F.)	1	2109365
KIT (MINIMUM PRESSURE VALVE)	1	2116855
PNEUMATIC CONTROLS AND GAUGES (Includes next four items)		203EAU6013
CHECK VALVE	2	90AR261
SHUTTLE VALVE	2	90AR107
PURGE VALVE	1	90AR51
PRESSURE REGULATOR	1	88H139
ELECTRICAL CONTROL KIT		206EAP6013
SOLENOID VALVE	1	91B70
SOLENOID VALVE	1	91B80
SOLENOID VALVE	1	91B81
THERMISTOR PROBE	2	21D264
TRANSDUCER	2	88H242
VACUUM SWITCH	1	88H195
DRIVE COUPLING KIT (51L31, 200 HP) (Includes next item)	1	EAU77790
CUSHIONS (Includes 6)		2109117
DRIVE COUPLING KIT (51L32, 250 & 300 HP) (Includes next item)	1	EAU77786
CUSHIONS (Includes 6)		2109118
LUBRICANT (AEON 9000 SP)		
5 GALLON PAIL		28H109
55 GALLON DRUM		28H110
TOUCH-UP PAINT		
5 GALLON PAIL		28H76
1 GALLON CAN		28H84
1 QUART CAN		28H83
WATER TEMPERATURE REGULATOR (Optional)		90AR152
MAGNETIC WATER SHUTOFF VALVE – NEMA 1 (Optional)		EAQ77013
MAGNETIC WATER SHUTOFF VALVE – NEMA 4 (Optional)		EAQ77014



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