
CHAMPION®

13-11-514
Version: 01
August 1, 2003

**ROTORCHAMP[®]
OIL-FREE ROTARY SCREW
COMPRESSOR**

MODELS

EWF99C – 100, 125 & 150 HP

PARTS LIST



**MAINTAIN COMPRESSOR RELIABILITY AND PERFORMANCE WITH
GENUINE CHAMPION® COMPRESSOR PARTS AND SUPPORT SERVICES**

Champion® Compressor genuine parts, manufactured to design tolerances, are developed for optimum dependability – specifically for Champion 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 is incorporated in our genuine replacement parts.

Your authorized Champion 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 he is backed up for emergency parts by direct access to the Master Distribution Center (MDC) in Memphis, Tennessee.

Your authorized distributor can support your Champion 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 airends. Most popular model remanufactured airends are maintained in stock at the Remanufacturing Center in Indianapolis, IN., for purchase on an exchange basis with liberal core credit available for the replacement unit.
3. A full line of factory tested RotorLub™ compressor lubricants specifically formulated for use in Champion 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 Champion Air Compressor distributor, refer to the yellow pages of your phone directory or contact:

Factory:
Champion
1301 N. Euclid Ave.
Princeton, IL. 61356

Phone: (815) 875-3321

Fax: (815) 872-0421

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 discharge bearing carrier casting.

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) and (LH), when appropriate.

TOTAL PRODUCT SUPPORT – CHAMPION’S CONTINUING COMMITMENT TO YOUR AIR COMPRESSOR PERFORMANCE

Commitment to total product support continues long after the purchase of your quality Champion rotary screw compressor.

Champion original parts incorporate years of experience and improvements in design, materials and quality assurance. Maintaining your compressor investment with Champion parts will insure protection for the air compressor unit and long, dependable service life.

Your authorized Champion compressor distributor maintains a complete stock of all common maintenance parts, factory approved Rotorlub lubricants, and Champion factory warranted exchange airends. In addition, authorized distributor technicians are factory trained, and can provide complete diagnostic, compressor maintenance and repair services.

This manual is designed to assist you in maintaining high performance and receiving many years of dependable service you expect from your Champion compressor.

REMANUFACTURED AIRENDS

Whenever an airend requires replacement or repair, Champion offers an industry unique, factory remanufactured airend exchange program. From its modern Remanufacturing Center in Indianapolis, IN., Champion is committed to supplying you with the highest quality, factory remanufactured airends 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 airend receives a new overhaul kit: bearings, gears, seals, sleeves and gaskets.

Extensive Testing

Champion 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 +/- .0001", insuring that all remanufactured airends meet factory performance specifications.

Warranty

Champion backs up every remanufactured airend with a new warranty...18 months from purchase, 12 months from service.

Champion remanufactured airends deliver *quality without question...year in and year out.*

Call Champion for information on the airend exchange program and the name of your authorized distributor.

Phone Number: 815-875-3321 or
Fax: 815-872-0421

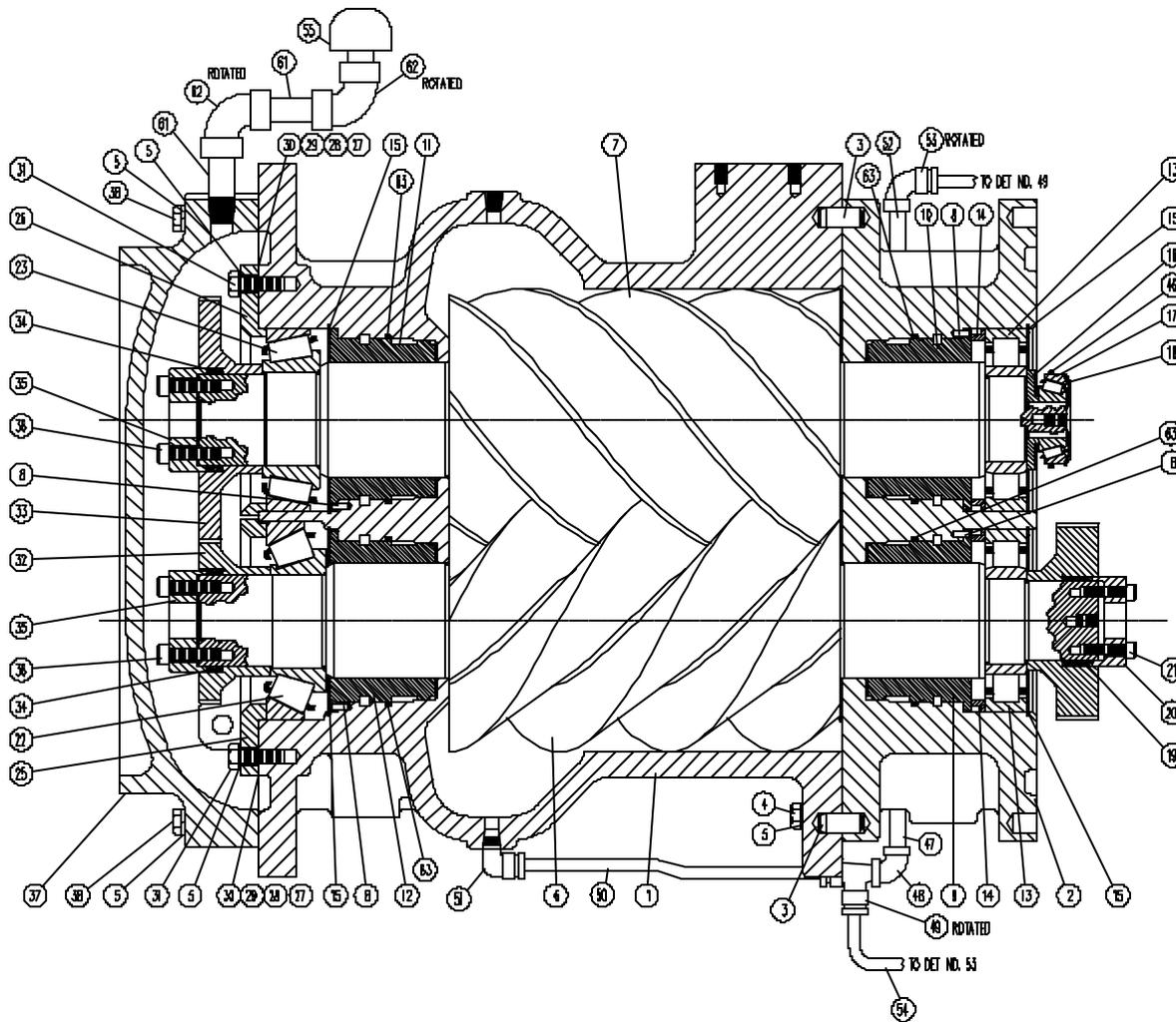
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For Operating and Service Manual, see:

SERVICE MANUAL: 13-11-614

BARE COMPRESSOR – ROTOR/CYLINDER GROUP



200JWF810-G
(Ref. Drawing)

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

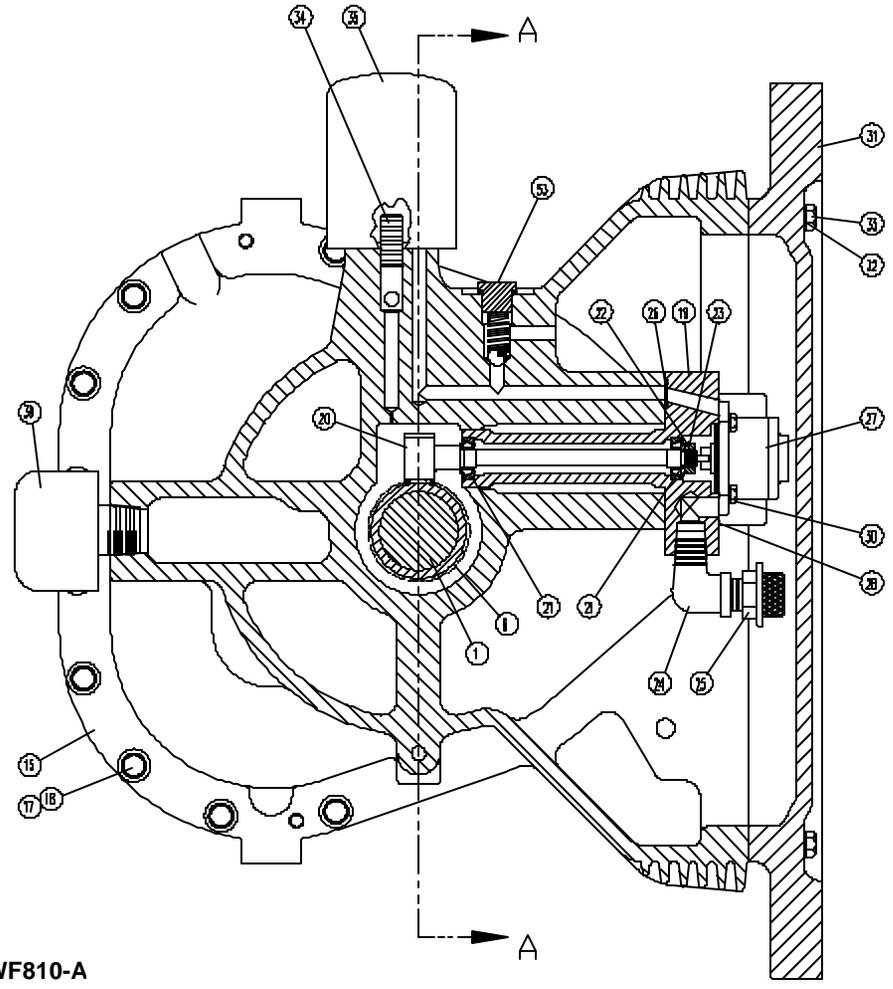
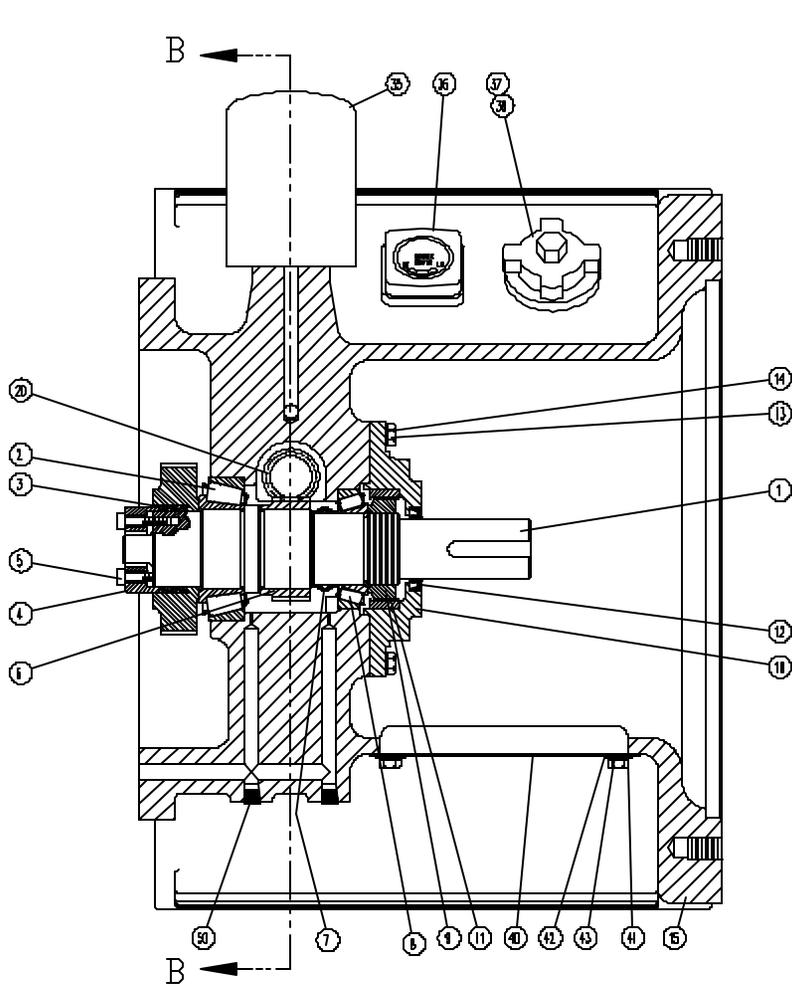
BARE COMPRESSOR – ROTOR/CYLINDER GROUP

B/M: 300JWF4049

Ref. No.	Name of Part	Qty.	Ref. No.	Name of Part	Qty.
1	CYLINDER-AIR	1	30	SHIM.....	4
2	HOUSING-BEARING.....	1	31	SCREW	6
3	PIN.....	2	32	GEAR	1
4	SCREW	16	33	GEAR	1
5	WASHER.....	38	34	ELEMENT.....	2
6	ROTOR	1	35	RETAINER	2
7	ROTOR	1	36	SCREW	12
8	PIN.....	4	37	COVER	1
9	SEAL	1	38	SCREW	16
10	SEAL	1	42	PLUG (not shown).....	2
11	SEAL	1	43	PLUG (not shown).....	1
12	SEAL	1	44	GASKET-ELIMINATE (not shown).....	1
13	BEARING-ROLLER.....	2	46	O-RING.....	1
14	SPACER.....	2	47	NIPPLE.....	1
15	O-RING.....	4	48	ELBOW.....	1
16	SPACER.....	1	49	TEE-TUBE.....	1
17	BEARING-ROLLER.....	1	50	TUBE.....	2
18	SPRING.....	1	51	ELBOW.....	1
19	ELEMENT.....	2	52	NIPPLE	1
20	RETAINER	1	53	ELBOW-TUBE	1
21	SCREW	8	54	TUBE.....	4
22	BEARING-ROLLER.....	1	55	BREATHER-CRANKCASE.....	1
23	BEARING-ROLLER.....	1	58	PLUG (not shown).....	2
25	PLATE-BEARING RETAINER.....	1	60	PLUG (not shown).....	10
26	PLATE-BEARING RETAINER.....	1	61	NIPPLE	2
27	SHIM.....	6	62	ELBOW.....	2
28	SHIM.....	6	63	O-RING.....	4
29	SHIM.....	6			

BARE-COMPRESSOR – “D” FLANGE ADAPTOR GROUP

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302JWF810-A
(Ref. Drawing)

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

BARE-COMPRESSOR – “D” FLANGE ADAPTOR GROUP

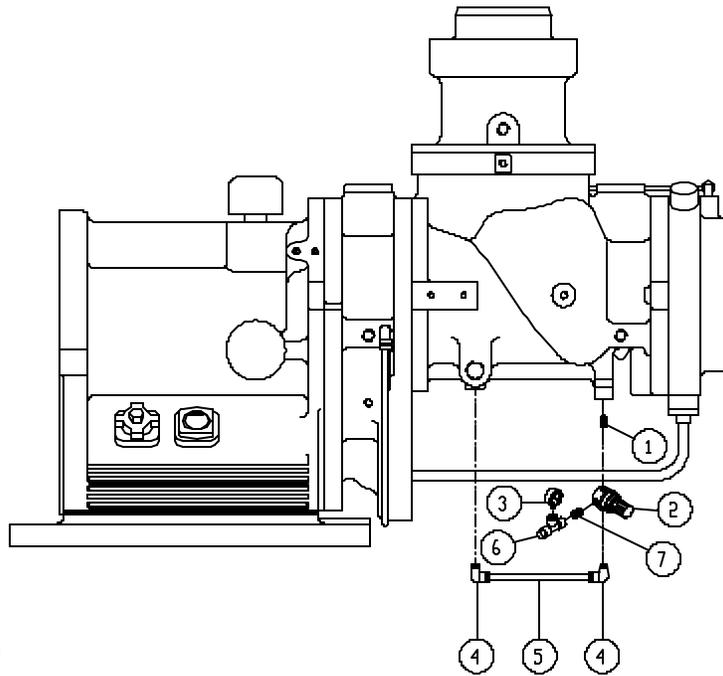
B/M: 301JWF4049

Ref. No.	Name of Part	Qty.	Ref. No.	Name of Part	Qty.
1	SHAFT.....	1	27	PUMP-OIL.....	1
2	BEARING-ROLLER.....	1	28	GASKET.....	1
3	ELEMENT.....	2	30	SCREW.....	4
4	RETAINER.....	1	31	FOOT.....	1
5	SCREW.....	2	32	WASHER.....	24
6	GEAR-DRIVER.....	1	33	SCREW.....	24
7	RING.....	1	34	ADAPTOR-FILTER.....	1
8	BEARING-ROLLER.....	1	** 35	FILTER-OIL.....	1
9	NUT.....	1	36	GAUGE-FLOAT.....	1
10	HOUSING-SEAL.....	1	37	PLUG-OIL FILLER.....	1
* 11	WINDBACK.....	1	38	GASKET RING.....	1
* 12	SEAL-OIL.....	1	39	BREATHER.....	1
13	SCREW.....	8	40	GUARD-COUPLING.....	1
14	LOCKWASHER.....	8	41	SCREW.....	4
15	ADAPTOR.....	1	42	WASHER.....	4
16	PIN (not shown).....	2	43	LOCKWASHER.....	4
17	SCREW.....	17	44	MANIFOLD (not shown).....	1
18	WASHER.....	19	46	SCREW (not shown).....	4
19	MANIFOLD-OIL.....	1	47	LOCKWASHER (not shown).....	4
20	GEAR-DRIVEN.....	1	48	ELBOW-TUBE (not shown).....	2
21	ROLLER-BEARING.....	2	49	TUBE (not shown).....	4
22	LOCKWASHER.....	1	50	PLUG.....	5
23	LOCKNUT.....	1	51	GASKET-ELIMINATOR (not shown).....	1
24	ELBOW.....	1	52	SCREW (not shown).....	2
25	STRAINER.....	1	53	ASSEMBLY-VALVE O/RELIEF.....	1
26	O-RING.....	1			

* For Windback, order Part Number 200JWF361; For Oil Seal, order Part Number 60DD679.

** For repair, order Oil Filter Element Part Number 26A43.

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



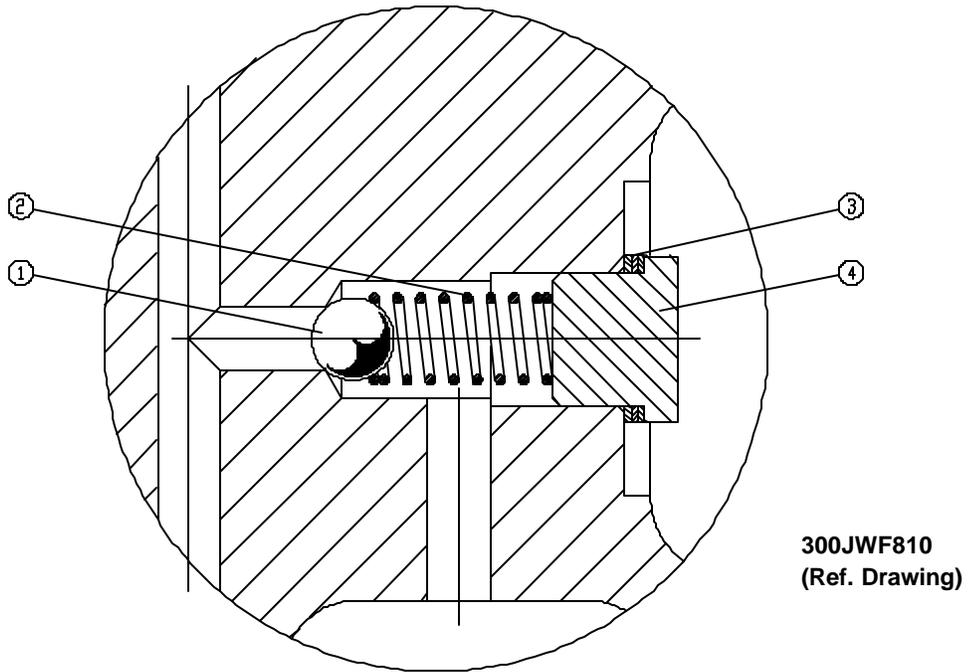
203JWF810-B
(Ref. Drawing)

BUFFERING WATER SYSTEM

B/M: 302JWF4049

Ref. No.	Name of Part	Qty.	Part No.
1	NIPPLE.....	1	64EB525
2	REGULATOR.....	1	88H319
3	GAUGE-PRESSURE	1	27P356
4	ELBOW-TUBE.....	2	86E60
5	TUBE.....	1	85G3
6	CONTROL VALVE.....	1	90AR1102
7	NIPPLE.....	1	63Z50

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

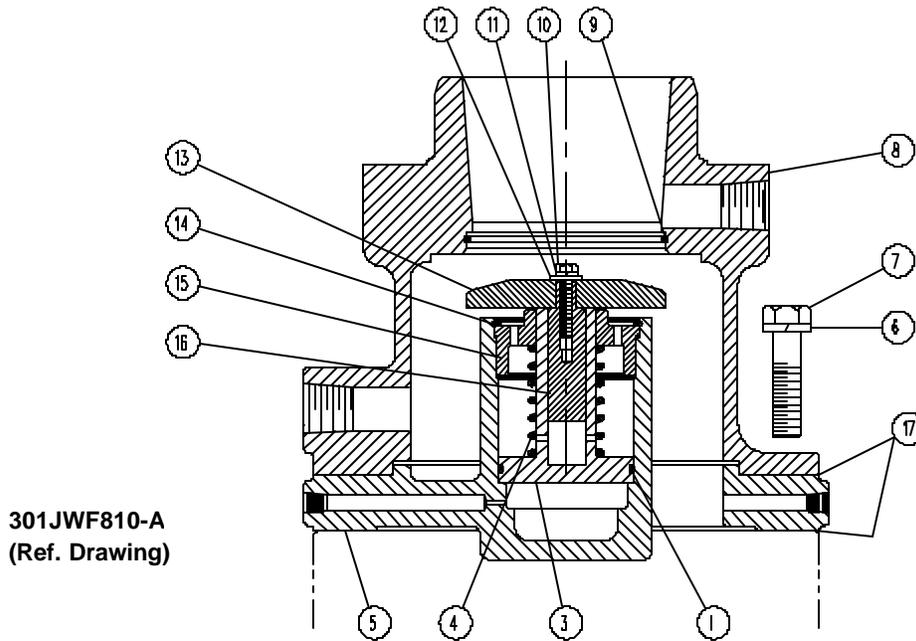


OIL RELIEF VALVE ASSEMBLY

B/M: 300JWF2044

Ref. No.	Name of Part	Qty.	Part No.
1	BALL.....	1	10A4
2	SPRING.....	1	78A437
3	GASKET-RING.....	3	25F30
4	SCREW.....	1	200WLA176

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



INLET VALVE GROUP

B/M: 300JWF4030

Ref. No.	Name of Part	Qty.	Part No.
1	O-RING.....	1	25BC298
3	PISTON-INLET VALVE	1	200JWF043
4	SPRING	1	78W61
5	HOUSING-INLET.....	1	200JWF041
6	LOCKWASHER.....	8	95B8
7	SCREW	8	655EG130
8	SEAT	1	300JWF256
9	O-RING.....	1	25AM30
10	SCREW	1	75A102S
11	LOCKWASHER.....	1	95W46
12	WASHER.....	1	95A2S
13	VALVE-INLET.....	1	200JWF044
14	RING-RETAINING	1	74D93
15	RETAINER.....	1	202JWF205
16	GUIDE-VALVE	1	201SSQ483

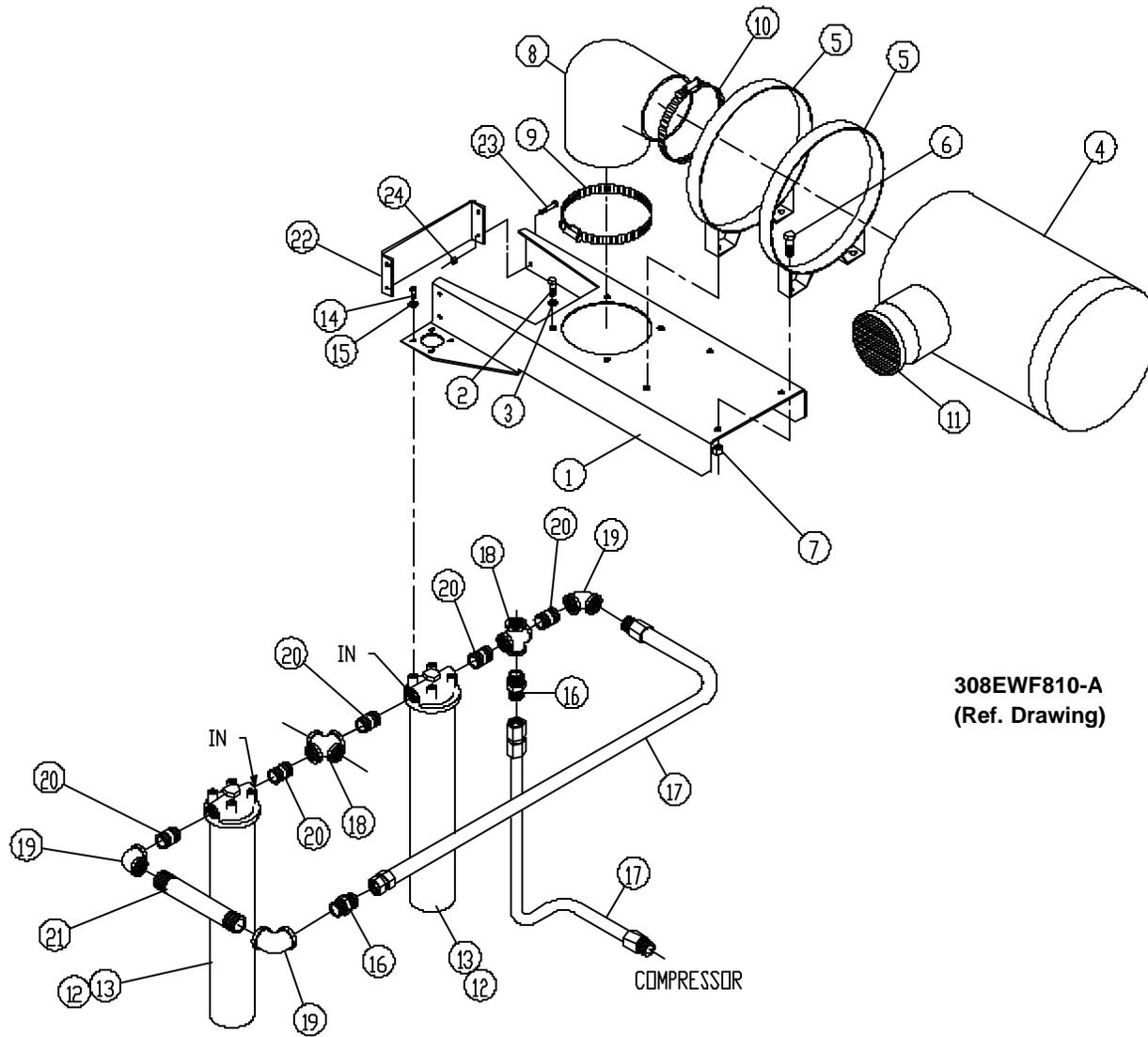
AIREND REPLACEMENTS

HP	PSI	NEW AIREND WITH INLET VALVE
100	100	JWFFBB04
	125	JWFFBB05
	150	JWFFBB06
125	100	JWFFBB02
	125	JWFFBB03
	150	JWFFBB04
150	100	JWFFBB01
	125	JWFFBB02
	150	JWFFBB03

NOTICE

**Airends are available from the Gardner Denver Master
Distribution Center**

FILTER MOUNTING



308EWF810-A
(Ref. Drawing)

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

FILTER MOUNTING

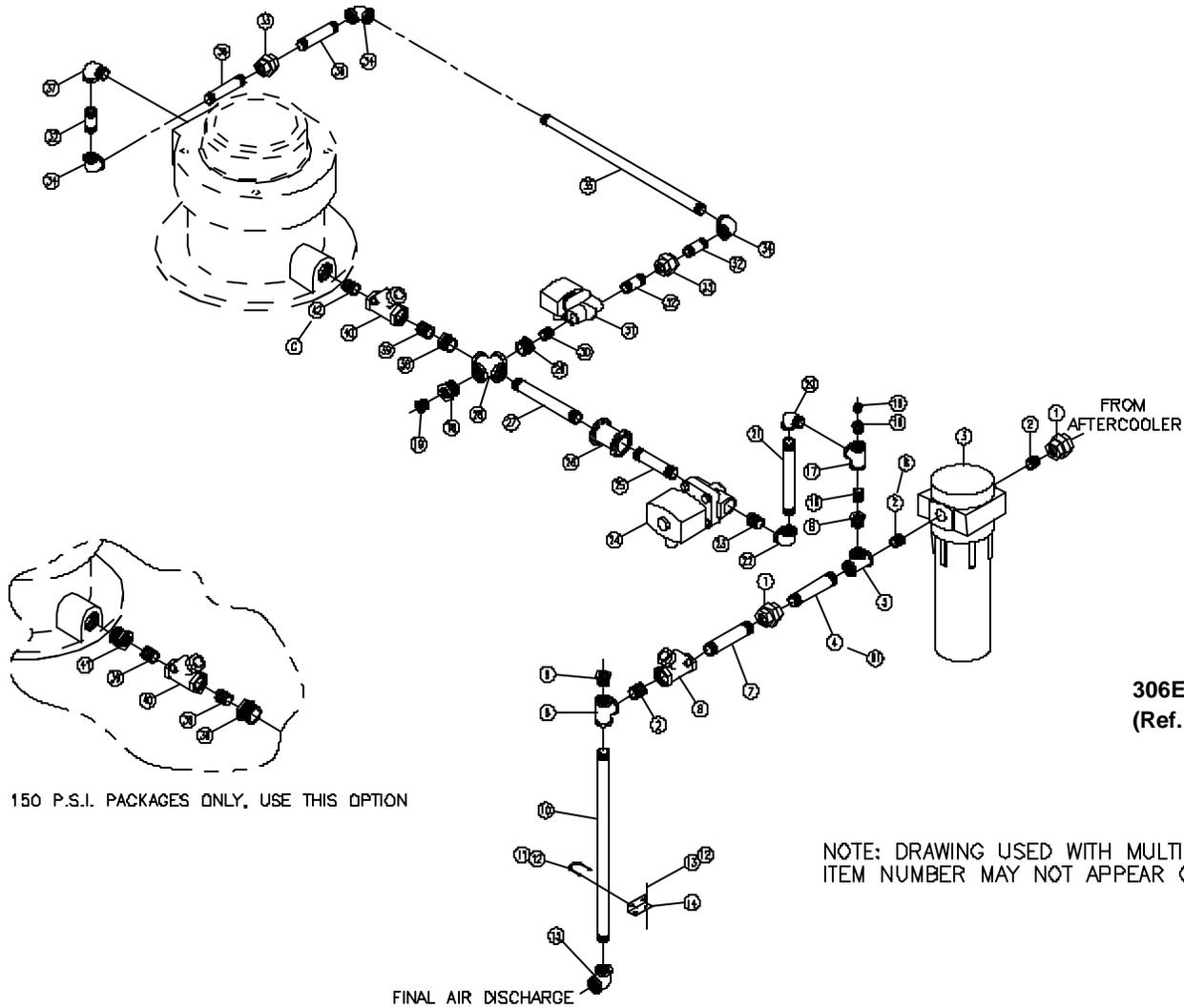
B/M: 305EWF4017

Ref. No.	Name of Part	Qty.	Part No.	Ref. No.	Name of Part	Qty.	Part No.
1	BRACKET-FILTER.....	1	200EWF389	13	ELEMENT.....	2	2117271
2	SCREW	4	655EE040	14	SCREW	8	75LM47
3	LOCKWASHER.....	4	95B5	15	WASHER.....	8	95A1
* 4	FILTER-AIR.....	1	5L8	16	ADAPTOR.....	1	29Z363
5	BAND-MOUNTING	2	2010066	17	HOSE	1	29Z394
6	SCREW	4	75K48	18	CROSS.....	2	64EB758
7	NUT.....	4	50AW5	19	ELBOW.....	3	64EB526
8	HOSE	1	29Z96	20	NIPPLE	5	64EB514
9	CLAMP	1	2009499	21	NIPPLE	1	64EB550
10	CLAMP	1	29B46	22	BRACKET (FORMED).....	1	301EWF142
11	CAP.....	1	5L9	23	SCREW	4	75LM48
** 12	FILTER, WATER.....	2	26C35	24	NUT.....	4	50AW3

* For Repair, order Element Part Number 2118337.

** For Repair, order Element Part Number 2118336.

FINAL AIR DISCHARGE PIPING



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

FINAL AIR DISCHARGE PIPING

B/M: 301EWF4019

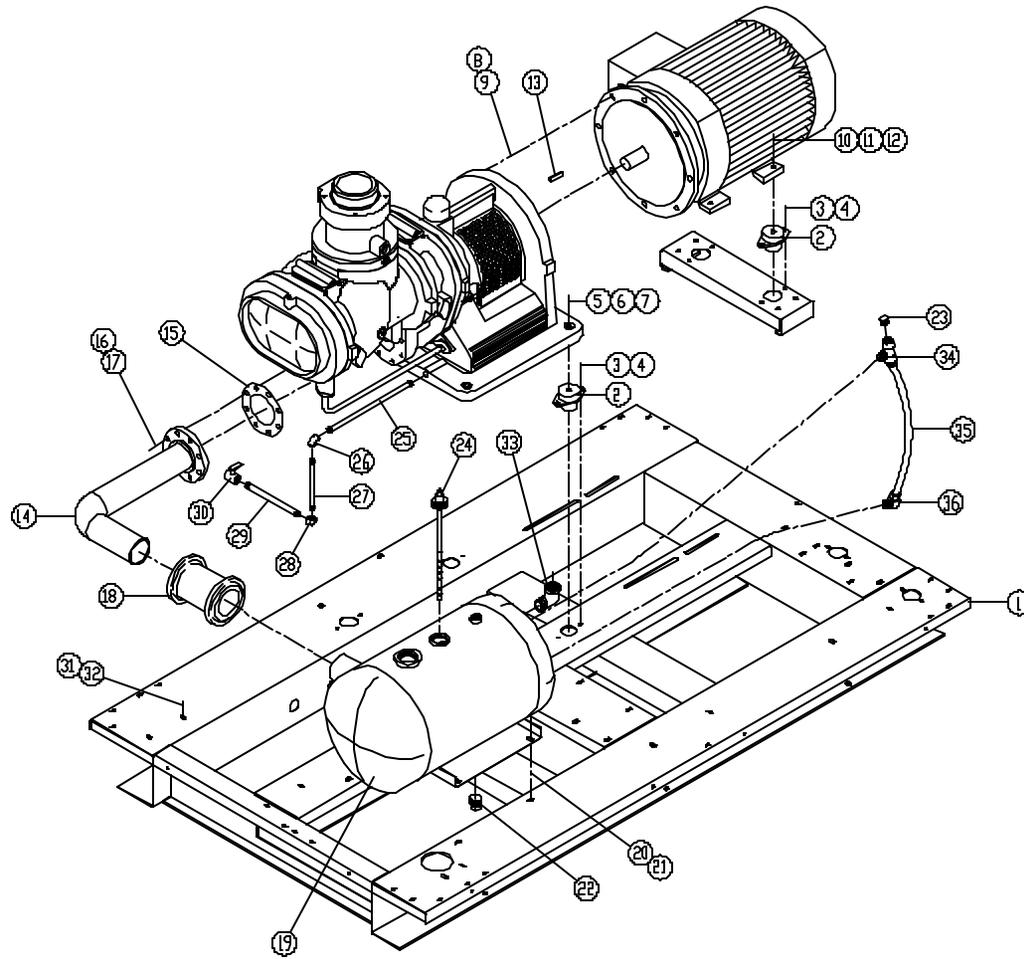
Ref. No.	Name of Part	Qty.	Part No.	Ref. No.	Name of Part	Qty.	Part No.
1	UNION.....	2	64EB259	20	ELBOW.....	1	64EB757
2	NIPPLE.....	3	64EB100	21	NIPPLE.....	1	63AP2
3	SEPARATOR-LIQUID.....	1	7000359	22	ELBOW.....	1	64EB79
4	NIPPLE.....	1	64EB280	23	NIPPLE.....	1	64EB265
5	TEE.....	2	64EB256	24	VALVE SOLENOID.....	1	91B225
6	BUSHING-PIPE.....	1	64EB262	25	NIPPLE.....	1	64EB982
7	NIPPLE.....	1	64EB660	26	COUPLING-FLEXIBLE.....	1	64EB810
8	VALVE-CHECK.....	1	90J113	27	NIPPLE.....	1	64EB982
9	BUSHING-PIPE.....	1	64EB827	28	CROSS.....	1	64EB940
10	NIPPLE.....	1	64EB321	29	BUSHING-PIPE.....	1	64EB942
11	U-BOLT.....	1	15U18	30	NIPPLE.....	1	64EB514
12	NUT.....	4	50AW5	31	VALVE-SOLENOID.....	1	91B127
13	SCREW.....	2	75LM51	32	NIPPLE.....	3	64EB515
14	BRACKET (FORMED).....	1	300EWF142	33	UNION.....	2	64EB531
15	ELBOW.....	1	64EB255	34	ELBOW.....	3	64EB526
16	NIPPLE.....	1	64EB95	35	NIPPLE.....	1	64EB943
17	TEE.....	1	64EB941	36	NIPPLE.....	2	64EB761
18	BUSHING-PIPE.....	2	64EB62	37	ELBOW.....	1	64EB554
19	BUSHING-PIPE.....	2	64E71				

100 – 125 PSIG CHECK VALVE GROUP B/M: 303EWF4019

150 PSIG CHECK VALVE GROUP B/M: 304EWF4019

38	BUSHING-PIPE.....	1	64EB942	38	BUSHING-PIPE.....	1	64EB62
39	NIPPLE.....	1	64EB514	39	NIPPLE.....	2	64EB651
40	VALVE-CHECK.....	1	90J130	40	VALVE-CHECK.....	1	90J117
41	NIPPLE.....	1	64EB981	41	BUSHING-PIPE.....	1	64EB54

BASE MOUNTING



314EWF810-A
(Ref. Drawing)

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

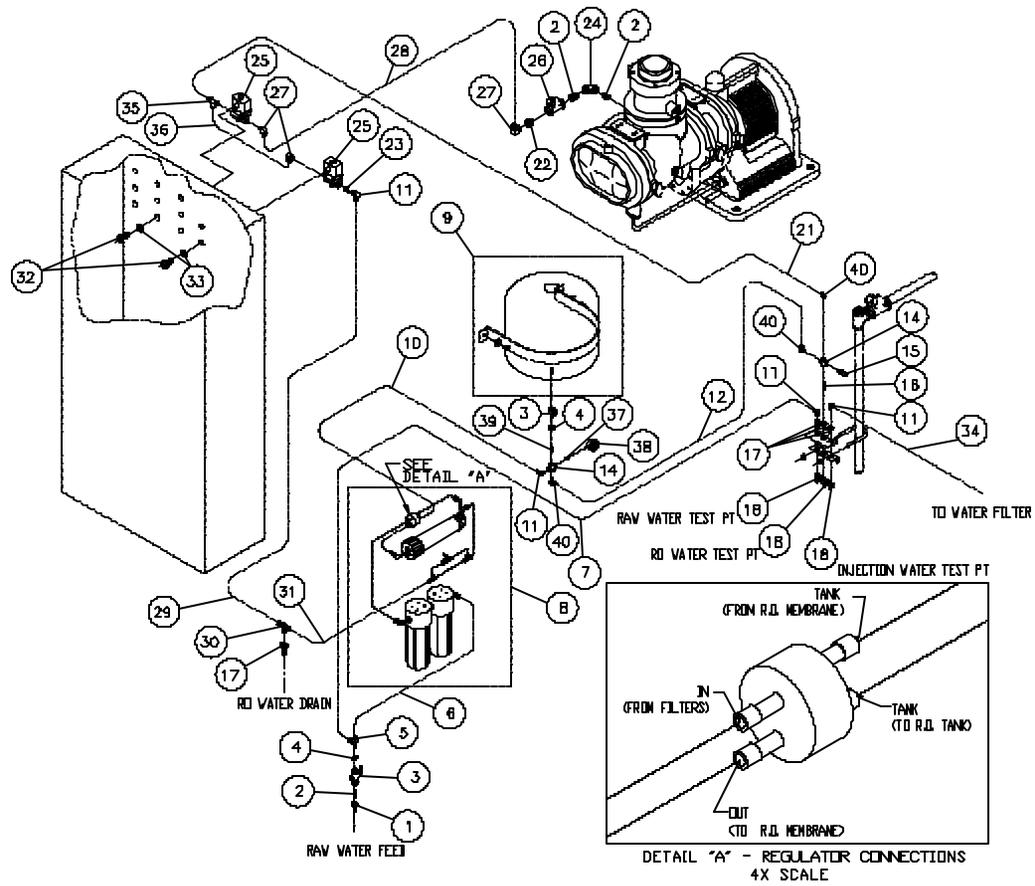
BASE MOUNTING

B/M: 300EWF4017

Ref. No.	Name of Part	Qty.	Part No.	Ref. No.	Name of Part	Qty.	Part No.
1	BASE.....	1	200EWF285	19	SEPARATOR-MOIST.....	1	300EWF1443
2	ISOLATOR-VIBRATION.....	6	49C48	20	SCREW	4	75LM135
3	SCREW	12	75LM135	21	NUT.....	4	50AW35
4	NUT.....	12	50AW35	22	PLUG.....	1	64AJ8
5	SCREW	4	655EG240	23	PLUG.....	1	64AJ2
6	LOCKWASHER.....	4	95B8	24	SWITCH.....	1	200EWF375
7	NUT.....	4	50B8	25	NIPPLE	1	63N8X140G
8	SCREW	8	655EG080	26	ELBOW.....	1	64C4G
9	LOCKWASHER.....	8	95B8	27	NIPPLE	1	63F11G
10	SCREW	2	655EG240	28	ELBOW.....	1	64C4G
11	LOCKWASHER.....	2	95B8	29	NIPPLE	1	63F30G
12	NUT.....	2	50B8	30	VALVE-BALL.....	1	90AR241
13	KEY.....	1	35L37	31	SCREW	4	75LM51
14	MANIFOLD-DISCHARGE.....	1	200EWF071	32	NUT.....	4	50AW5
15	GASKET	1	25C121N	33	ELBOW.....	1	64EB757
16	SCREW	8	655EF080	34	TEE-TUBE	1	86E119
17	LOCKWASHER.....	8	95B7	35	TUBE.....	1	85G3
* 18	COUPLING-FLEXIBLE.....	1	64EB723	36	ELBOW.....	1	86E60

* For Repair, order Coupling Gasket Part Number 2117162 (2 required).

WATER FILTER FITTINGS



315EWF810-C
(Ref. Drawing)

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

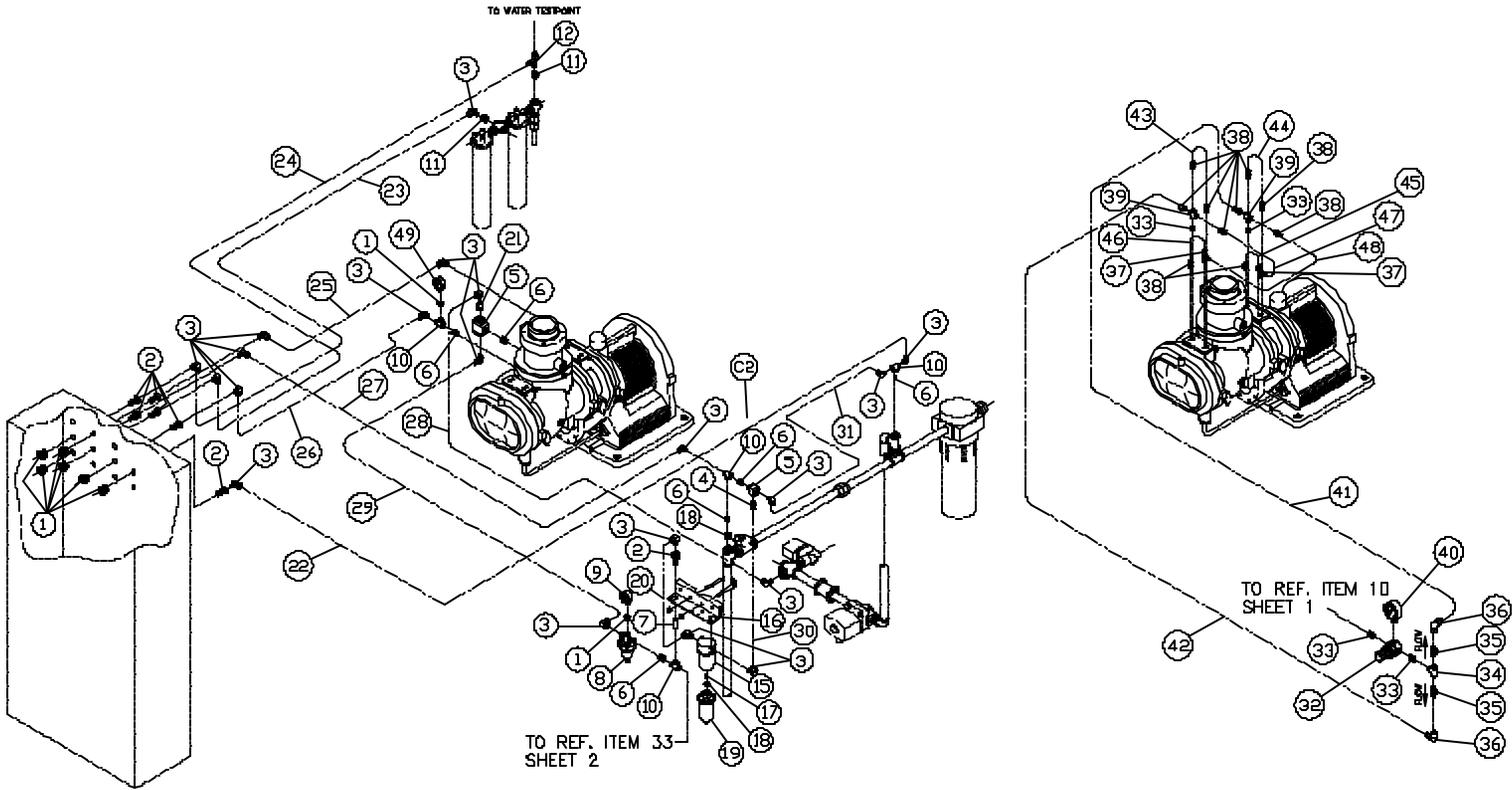
WATER FILTER FITTINGS

B/M: 305EWF4019

Ref. No.	Name of Part	Qty.	Part No.	Ref. No.	Name of Part	Qty.	Part No.
1	COUPLING-PIPE.....	1	64EB613	23	BUSHING-PIPE.....	1	64E50
2	NIPPLE.....	3	63AP35	24	ELBOW.....	1	64EB428
3	VALVE-BALL.....	2	90AR241	25	VALVE-SOLENOID.....	2	91B226
4	BUSHING-PIPE.....	2	64E62	26	VALVE-CHECK.....	1	90J129
5	TEE.....	1	2009284	27	ELBOW.....	3	86E65
6	TUBE.....	3	85G3	28	TUBE.....	6	85G5
7	TUBE.....	4	85G3	29	TUBE.....	4	85G3
8	FILTER (WATER).....	1	26C52	30	TEE.....	1	2009284
9	FILTER (TANK).....	1	26C46	31	TUBE.....	4	85G3
10	TUBE.....	4	85G3	32	NIPPLE.....	2	24CA4641
11	ELBOW-TUBE.....	4	86E60	33	SEALING RING.....	2	24A383
12	TUBE.....	6	85G5	34	TUBE.....	10	85G3
14	CROSS.....	2	64K13	35	TEE.....	1	86N167
15	VALVE-PRESSURE RELIEF	1	90AR1107	36	TUBE.....	1	85G5
16	NIPPLE.....	1	63Z14	37	BUSHING-PIPE.....	1	64E28
17	COUPLING-PIPE.....	4	64EB368	38	GAUGE PRESSURE.....	1	27P384
18	COCK.....	3	90A19	39	NIPPLE.....	1	63Z15
21	TUBE.....	8	85G5	40	ELBOW.....	3	86E64
22	BUSHING-PIPE.....	1	64EB469				

* For repair, order: Sediment Filter Element 2118141
 Carbon Block 2118142
 100 GDP Membrane 2118143

CONTROL PIPING



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313EWF810-C
(Ref. Drawing)

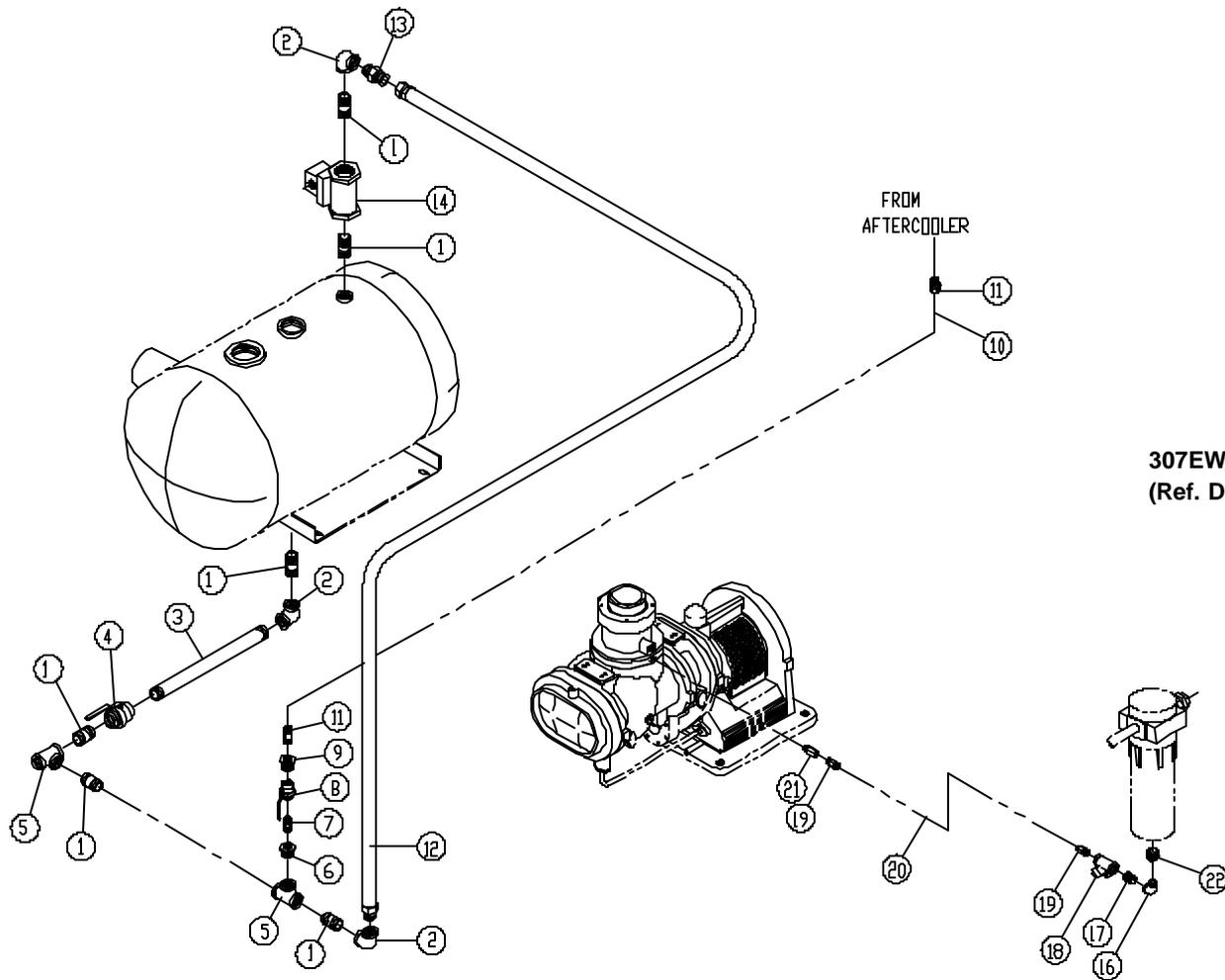
Order by Part Number and Description. Reference Numbers are for your convenience only.

CONTROL PIPING

B/M: 300EWF4052

Ref. No.	Name of Part	Qty.	Part No.	Ref. No.	Name of Part	Qty.	Part No.
1	BUSHING-PIPE.....	8	64E28	27	TUBE.....	6	85G3
2	COUPLING-PIPE.....	7	64EB368	28	TUBE.....	6	85G3
3	ELBOW.....	20	86E60	29	TUBE.....	8	85G3
4	CONNECTOR-TUBE.....	1	86E4	30	TUBE.....	1	85G3
5	VALVE-CONTROL.....	2	90AR1006	31	TUBE.....	3	85G3
6	NIPPLE.....	6	63Z15	32	REGULATOR.....	1	88H318
7	NIPPLE.....	1	63Z23	33	NIPPLE.....	4	64EB525
8	VALVE-SUB/PILOT.....	1	88B46	34	TEE.....	1	64G15
9	GAUGE.....	1	27P356	35	VALVE-CHECK.....	2	90AR261
10	TEE.....	4	64G15	36	ELBOW.....	2	86E193
11	BUSHING-PIPE.....	2	64EB778	37	TEE.....	2	2009284
12	TEE.....	1	2009284	38	CONNECTOR-TUBE.....	10	86E4
15	FILTER.....	1	5L340	39	CROSS.....	2	64K13
16	SCREW.....	4	75LM215	40	GAUGE.....	1	27P356
17	NIPPLE.....	1	64EB525	41	TUBE.....	4	85G3
18	BUSHING-PIPE.....	2	64E62	42	TUBE.....	4	85G3
19	AUTO DRAIN VALVE	1	7000364	43	TUBE.....	1	85G3
20	TUBE.....	1	85G3	44	TUBE.....	1	85G3
21	ORIFICE.....	1	301EWF814	45	TUBE.....	1	85G3
22	TUBE.....	10	85G3	46	TUBE.....	1	85G3
23	TUBE.....	3	85G3	47	TUBE.....	1	85G3
24	TUBE.....	3	85G3	48	TUBE.....	4	85G3
25	TUBE.....	2	85G3	49	GAUGE.....	1	27P384
26	TUBE.....	4	85G3				

DRAIN PIPING



307EWF810-C
(Ref. Drawing)

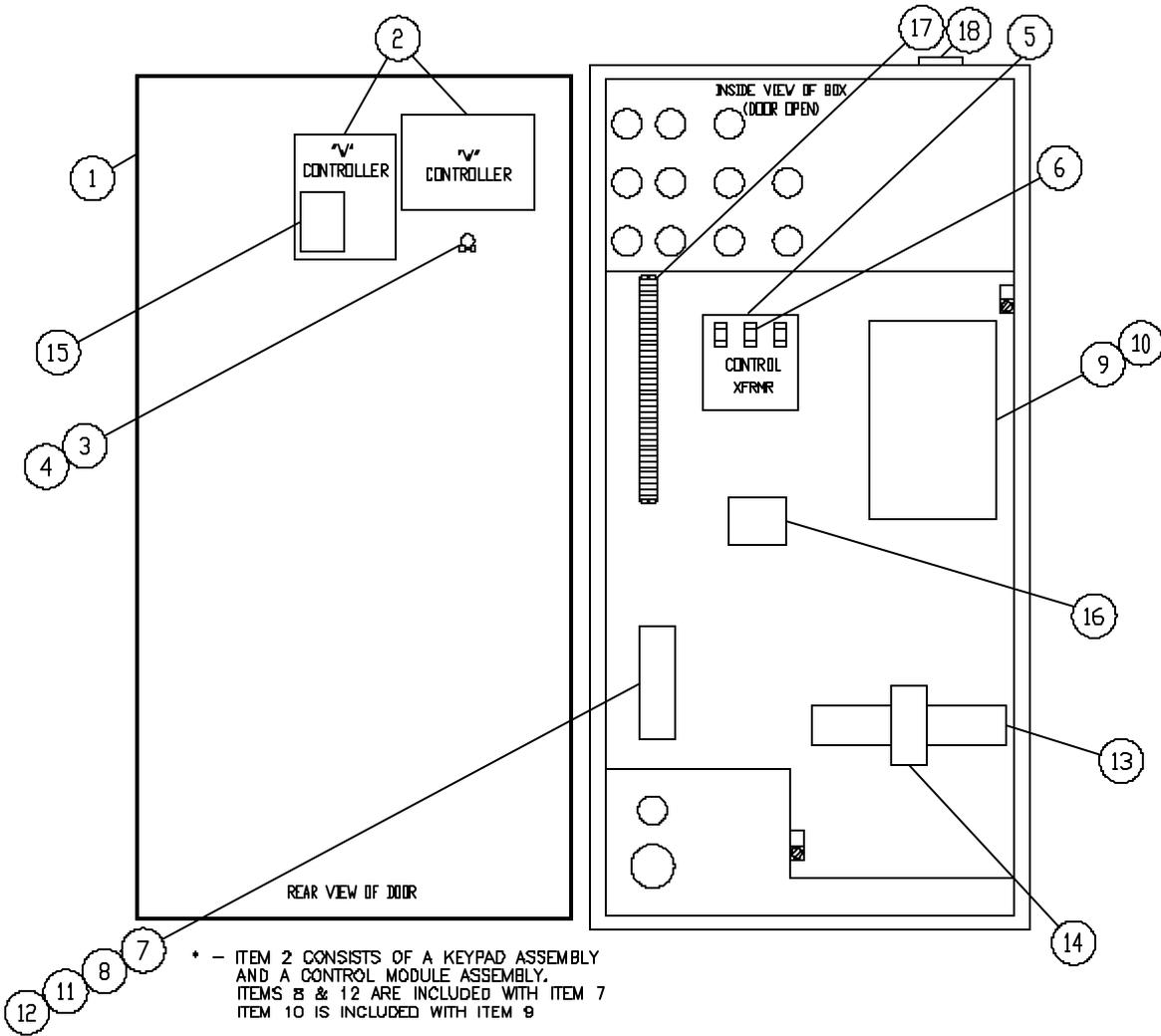
Order by Part Number and Description. Reference Numbers are for your convenience only.

DRAIN PIPING

B/M: 302EWF4019

Ref. No.	Name of Part	Qty.	Part No.
1	NIPPLE	6	63Z47
2	ELBOW	3	64EB526
3	NIPPLE	1	64EB762
4	VALVE-BALL	1	90AR409
5	TEE	2	64EB529
6	BUSHING-PIPE	1	64EB523
7	NIPPLE	1	63Z20
8	VALVE-BALL	1	90AR241
9	BUSHING-PIPE	1	64EB469
10	TUBE	6	85G5
11	CONNECTOR-TUBE	2	86E10
12	HOSE	1	29Z400
13	ADAPTOR	1	29Z363
14	VALVE-SOLENOID	1	91B109
16	ELBOW	1	64D32
17	NIPPLE	1	64EB525
18	STRAINER	1	82E46
19	CONNECTOR-TUBE	2	86E4
20	TUBE	3	85G3
21	ORIFICE	1	301EWF814
22	BUSHING	1	64EB228

CONTROLLER ASSEMBLY – 100/125/150 HP – FULL VOLTAGE STARTERS



310EWF810-B
(Ref. Drawing)

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

CONTROLLER ASSEMBLY – 100 HP – FULL VOLTAGE STARTERS

	Qty.	200V	230V	460V	575V
ASSEMBLED PANEL: NEMA 12.....	1	300EWF466	304EWF466	310EWF466	312EWF466
ASSEMBLED PANEL: NEMA 4.....	1	301EWF466	305EWF466	311EWF466	313EWF466
1 CONTROL/STARTER BOX (NEMA 12).....	1	300EWF179	300EWF179	300EWF179	300EWF179
CONTROL/STARTER BOX (NEMA 4).....	1	301EWF179	301EWF179	301EWF179	301EWF179
2 CONTROLLER ASSEMBLY	(See Page 35)				
3 OPERATOR	1	24CA2907	24CA2907	24CA2907	24CA2907
4 CONTACT BLOCK.....	1	24CA2908	24CA2908	24CA2908	24CA2908
5 TRANSFORMER.....	1	24CA5623	24CA5622	24CA5622	24CA5624
6 FUSE	1	24CA3726	24CA3726	24CA3726	24CA3726
7 STARTER.....	1	24CA4142	24CA4137	24CA4137	24CA4137
8 COIL-STARTER.....	1	2116124	2116923	2116923	2116923
9 CONTACTOR	1	24CA4160	24CA4159	24CA4159	24CA3259
10 COIL	1	2116921	2116920	2116920	2116555
11 FUSE-HOLDER.....	1	24CA4164	24CA4164	24CA4098	24CA4098
12 RELAY	1	24CA4087	24CA4086	24CA4086	24CA4086
13 TRANSFORMER.....	1	24CA5621	24CA4981	24CA4981	24CA4981
14 RELAY	1	24CA4086	24CA4086	24CA4086	24CA4086
15 CONTROLLER.....	1	301EWC1173	301EWC1173	301EWC1173	301EWC1173
16 CONTROLLER/PLC.....	1	302EWC1173	302EWC1173	302EWC1173	302EWC1173
17 BLOCK.....	9	24CA2633	24CA2633	24CA2633	24CA2633
18 SEAL-PLUG	1	24CA4954	24CA4954	24CA4954	24CA4954

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

CONTROLLER ASSEMBLY – 125 HP – FULL VOLTAGE STARTERS

	Qty.	200V	230V	460V	575V
ASSEMBLED PANEL: NEMA 12.....	1	300EWF466	306EWF466	310EWF466	314EWF466
ASSEMBLED PANEL: NEMA 4.....	1	301EWF466	306EWF466	311EWF466	315EWF466
1 CONTROL/STARTER BOX (NEMA 12).....	1	300EWF179	300EWF179	300EWF179	300EWF179
CONTROL/STARTER BOX (NEMA 4).....	1	301EWF179	301EWF179	301EWF179	301EWF179
2 CONTROLLER ASSEMBLY	(See Page 35)				
3 OPERATOR	1	24CA2907	24CA2907	24CA2907	24CA2907
4 CONTACT BLOCK.....	1	24CA2908	24CA2908	24CA2908	24CA2908
5 TRANSFORMER.....	1	24CA5623	24CA5622	24CA5622	24CA5624
6 FUSE.....	1	24CA3726	24CA3726	24CA3726	24CA3726
7 STARTER.....	1	24CA4142	24CA4137	24CA4137	24CA4137
8 COIL-STARTER.....	1	2116124	2116923	2116923	2116923
9 CONTACTOR	1	24CA4160	24CA4160	24CA4159	24CA4159
10 COIL	1	2116921	2116921	2116920	2116920
11 FUSE-HOLDER.....	1	24CA4164	24CA4164	24CA4098	24CA4098
12 RELAY	1	24CA4087	24CA4086	24CA4086	24CA4086
13 TRANSFORMER.....	1	24CA5621	24CA5621	24CA4981	24CA4981
14 RELAY	1	24CA4086	24CA4086	24CA4086	24CA4086
15 CONTROLLER.....	1	301EWC1173	301EWC1173	301EWC1173	301EWC1173
16 CONTROLLER/PLC.....	1	302EWC1173	302EWC1173	302EWC1173	302EWC1173
17 BLOCK.....	9	24CA2633	24CA2633	24CA2633	24CA2633
18 SEAL-PLUG	1	24CA4954	24CA4954	24CA4954	24CA4954

* For reference drawing, see page 25

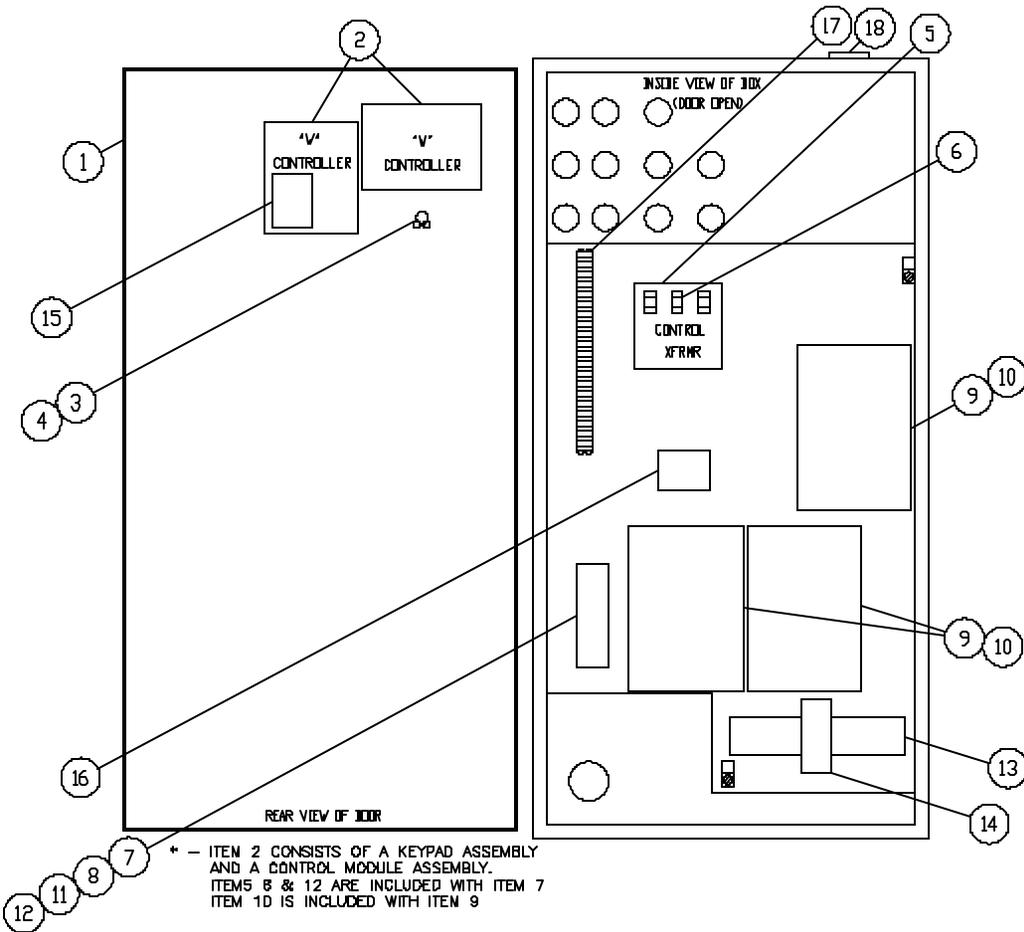
Order by Part Number and Description. Reference Numbers are for your convenience only.

CONTROLLER ASSEMBLY – 150 HP – FULL VOLTAGE STARTERS

	Qty.	200V	230V	460V	575V
ASSEMBLED PANEL: NEMA 12.....	1	302EWF466	308EWF466	310EWF466	314EWF466
ASSEMBLED PANEL: NEMA 4.....	1	303EWF466	309EWF466	311EWF466	315EWF466
1 CONTROL/STARTER BOX (NEMA 12).....	1	300EWF179	300EWF179	300EWF179	300EWF179
CONTROL/STARTER BOX (NEMA 4).....	1	301EWF179	301EWF179	301EWF179	301EWF179
2 CONTROLLER ASSEMBLY	(See Page 35)				
3 OPERATOR	1	24CA2907	24CA2907	24CA2907	24CA2907
4 CONTACT BLOCK.....	1	24CA2908	24CA2908	24CA2908	24CA2908
5 TRANSFORMER.....	1	24CA5623	24CA5622	24CA5622	24CA5624
6 FUSE.....	1	24CA3726	24CA3726	24CA3726	24CA3726
7 STARTER.....	1	24CA4142	24CA4137	24CA4137	24CA4137
8 COIL-STARTER.....	1	2116124	2116923	2116923	2116923
9 CONTACTOR	1	24CA4161	24CA4161	24CA4159	24CA4159
10 COIL	1	2116921	2116921	2116920	2116920
11 FUSE-HOLDER.....	1	24CA4164	24CA4164	24CA4098	24CA4098
12 RELAY	1	24CA4087	24CA4086	24CA4086	24CA4086
13 TRANSFORMER.....	1	24CA5621	24CA5621	24CA4981	24CA4981
14 RELAY	1	24CA4086	24CA4086	24CA4086	24CA4086
15 CONTROLLER.....	1	301EWC1173	301EWC1173	301EWC1173	301EWC1173
16 CONTROLLER/PLC.....	1	302EWC1173	302EWC1173	302EWC1173	302EWC1173
17 BLOCK.....	9	24CA2633	24CA2633	24CA2633	24CA2633
18 SEAL-PLUG	1	24CA4954	24CA4954	24CA4954	24CA4954

* For reference drawing, see page 25

CONTROLLER ASSEMBLY – 100/125/150 – WYE DELTA STARTERS

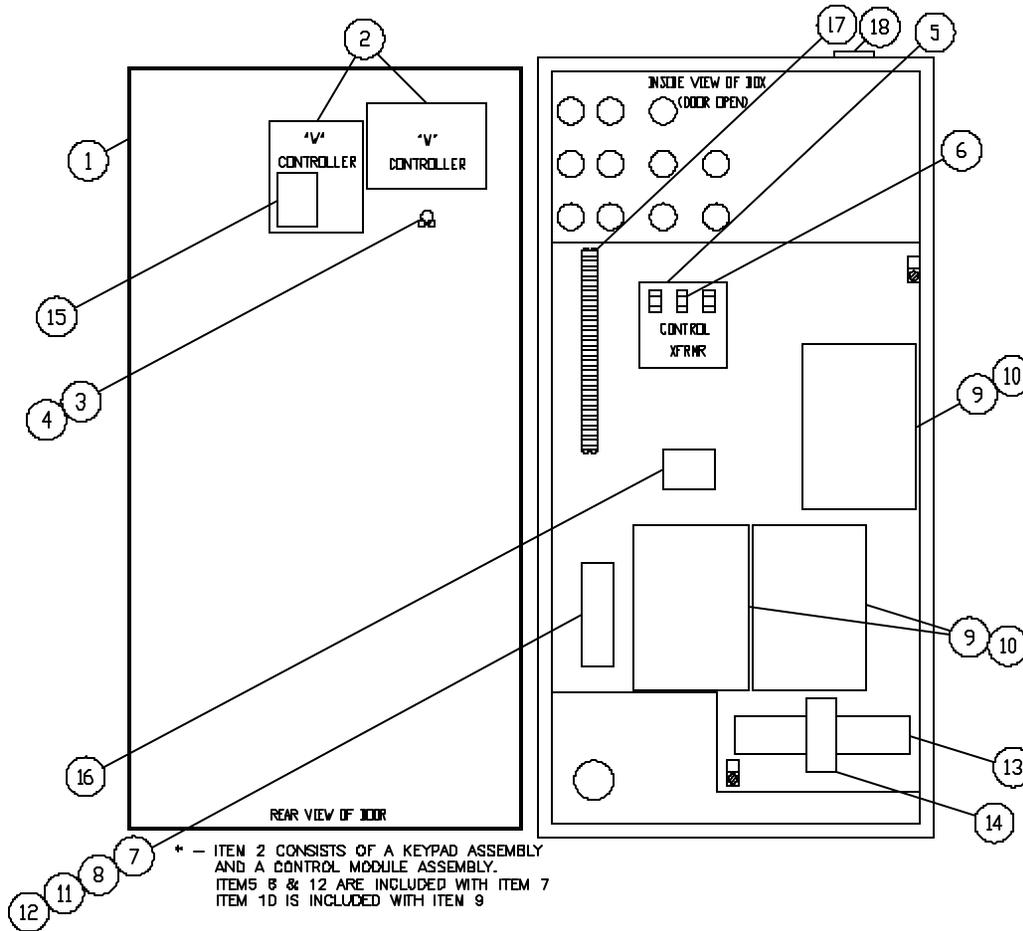


311EWF810-A
 (Ref. Drawing)

CONTROLLER ASSEMBLY – 100/125 HP – WYE DELTA STARTERS

	Qty.	200V	230V	460V	575V
ASSEMBLED PANEL: NEMA 12.....	1	316EWF466	320EWF466	322EWF466	326EWF466
ASSEMBLED PANEL: NEMA 4.....	1	317EWF466	321EWF466	323EWF466	327EWF466
1 CONTROL/STARTER BOX (NEMA 12).....	1	300EWF179	300EWF179	300EWF179	300EWF179
CONTROL/STARTER BOX (NEMA 4).....	1	301EWF179	301EWF179	301EWF179	301EWF179
2 CONTROLLER ASSEMBLY	(See Page 35)				
3 OPERATOR	1	24CA2907	24CA2907	24CA2907	24CA2907
4 CONTACT BLOCK.....	1	24CA2908	24CA2908	24CA2908	24CA2908
5 TRANSFORMER.....	1	24CA5623	24CA5622	24CA5622	24CA5624
6 FUSE	1	24CA3726	24CA3726	24CA3726	24CA3726
7 STARTER.....	1	24CA4142	24CA4137	24CA4137	24CA4137
8 COIL-STARTER.....	1	2116124	2116923	2116923	2116923
9 CONTACTOR	3	24CA4159	24CA4159	24CA3259	24CA3259
10 COIL	3	2116920	2116920	2116555	2116555
11 FUSE-HOLDER.....	1	24CA4164	24CA4164	24CA4098	24CA4098
12 RELAY	1	24CA4087	24CA4086	24CA4086	24CA4086
13 TRANSFORMER.....	1	24CA4981	24CA4981	24CA4981	24CA4981
14 RELAY	1	24CA4086	24CA4086	24CA4086	24CA4086
15 CONTROLLER	1	301EWC1173	301EWC1173	301EWC1173	301EWC1173
16 CONTROLLER/PLC.....	1	302EWC1173	302EWC1173	302EWC1173	302EWC1173
17 BLOCK.....	9	24CA2633	24CA2633	24CA2633	24CA2633
18 SEAL-PLUG	1	24CA4954	24CA4954	24CA4954	24CA4954

CONTROLLER ASSEMBLY – 100/125/150 HP – WYE DELTA STARTERS



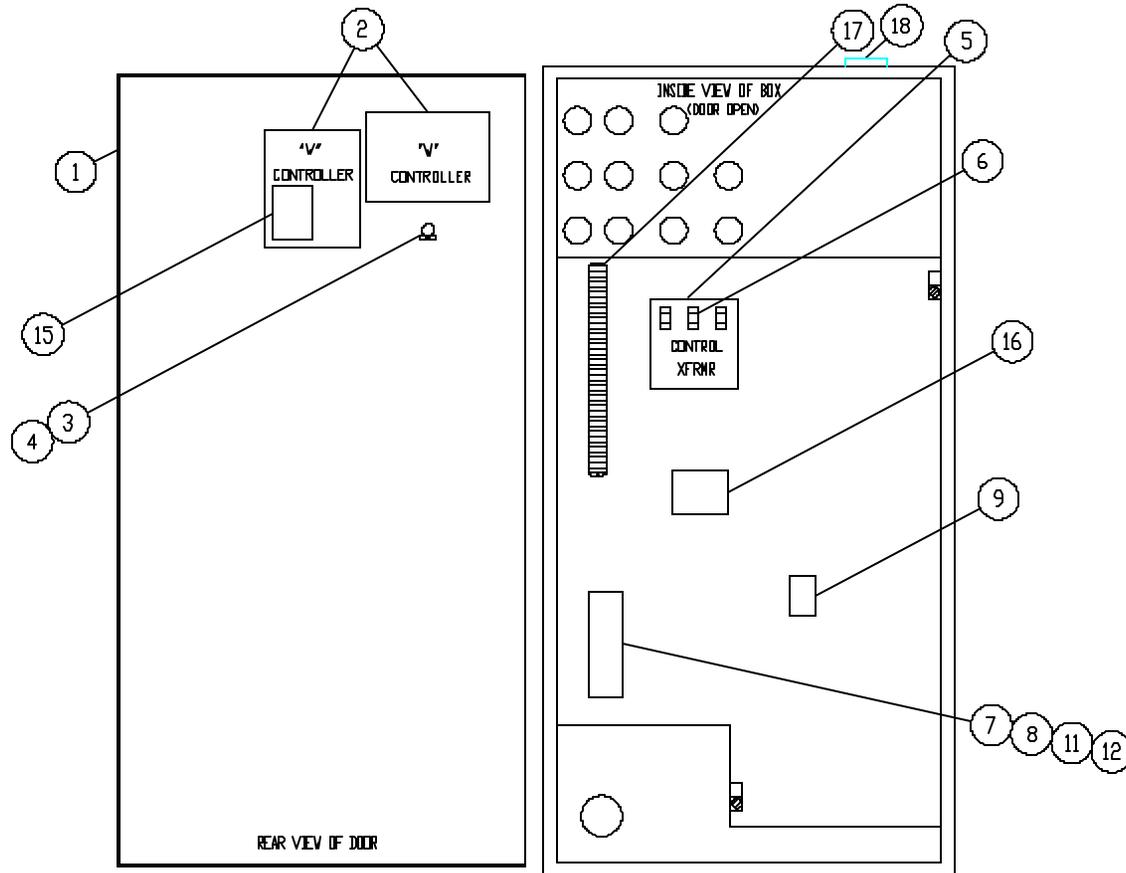
311EWF810-A
 (Ref. Drawing)

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

CONTROLLER ASSEMBLY – 150 HP – WYE DELTA STARTERS

	Qty.	200V	230V	460V	575V
ASSEMBLED PANEL: NEMA 12.....	1	318EWF466	320EWF466	324EWF466	326EWF466
ASSEMBLED PANEL: NEMA 4.....	1	319EWF466	321EWF466	325EWF466	327EWF466
1 CONTROL/STARTER BOX (NEMA 12).....	1	300EWF179	300EWF179	300EWF179	300EWF179
CONTROL/STARTER BOX (NEMA 4).....	1	301EWF179	301EWF179	301EWF179	301EWF179
2 CONTROLLER ASSEMBLY	(See Page 35)				
3 OPERATOR	1	24CA2907	24CA2907	24CA2907	24CA2907
4 CONTACT BLOCK.....	1	24CA2908	24CA2908	24CA2908	24CA2908
5 TRANSFORMER.....	1	24CA5623	24CA5622	24CA5622	24CA5624
6 FUSE.....	1	24CA3726	24CA3726	24CA3726	24CA3726
7 STARTER.....	1	24CA4142	24CA4137	24CA4137	24CA4137
8 COIL-STARTER.....	1	2116124	2116923	2116923	2116923
9 CONTACTOR	3	24CA4160	24CA4159	24CA4159	24CA3259
10 COIL	3	2116921	2116920	2116920	2116555
11 FUSE-HOLDER.....	1	24CA4164	24CA4164	24CA4098	24CA4098
12 RELAY	1	24CA4087	24CA4086	24CA4086	24CA4086
13 TRANSFORMER.....	1	24CA5621	24CA4981	24CA4981	24CA4981
14 RELAY	1	24CA4086	24CA4086	24CA4086	24CA4086
15 CONTROLLER.....	1	301EWC1173	301EWC1173	301EWC1173	301EWC1173
16 CONTROLLER/PLC.....	1	302EWC1173	302EWC1173	302EWC1173	302EWC1173
17 BLOCK.....	9	24CA2633	24CA2633	24CA2633	24CA2633
18 SEAL-PLUG	1	24CA4954	24CA4954	24CA4954	24CA4954

CONTROLLER ASSEMBLY – LESS MAIN MOTOR STARTERS



* - ITEM 2 CONSISTS OF A KEYPAD ASSEMBLY AND A CONTROL MODULE ASSEMBLY. ITEMS 8 & 12 ARE INCLUDED WITH ITEM 7

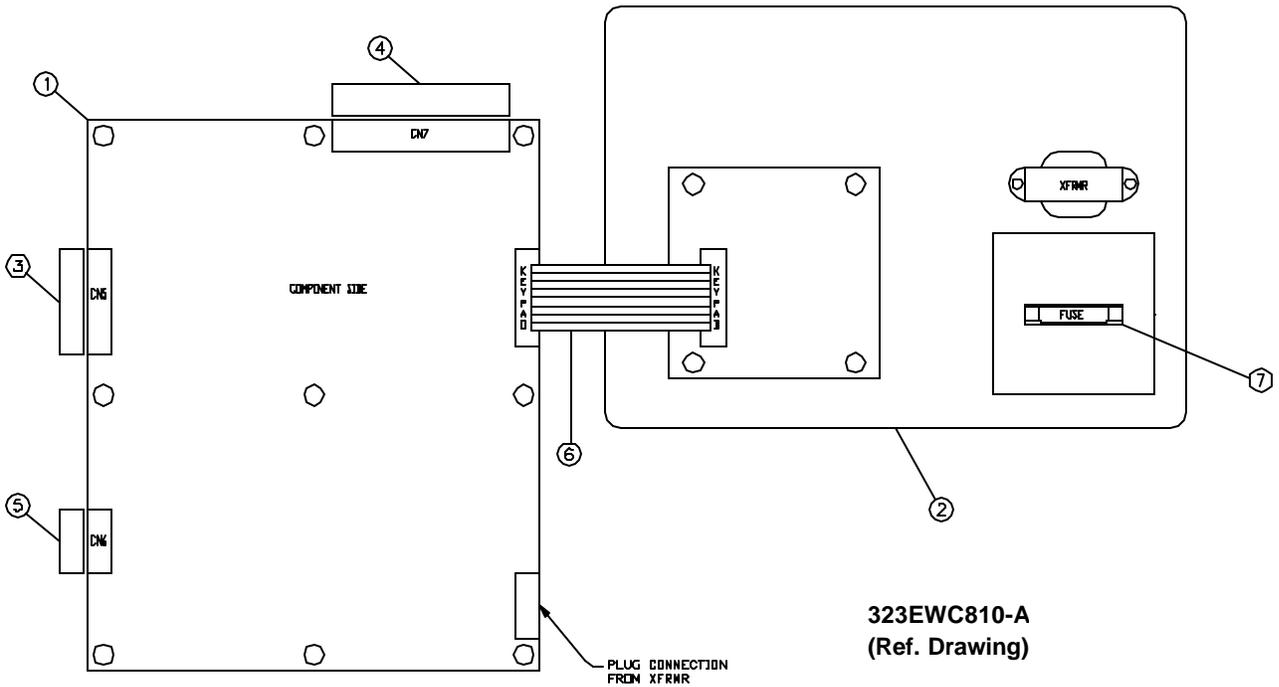
312EWF810-A
(Ref. Drawing)

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

CONTROLLER ASSEMBLY – LESS MAIN MOTOR STARTERS

	Qty.	200V	230V	460V	575V
ASSEMBLED PANEL: NEMA 12.....	1	328EWF466	330EWF466	332EWF466	334EWF466
ASSEMBLED PANEL: NEMA 4.....	1	329EWF466	331EWF466	333EWF466	335EWF466
1 CONTROL/STARTER BOX (NEMA 12).....	1	300EWF179	300EWF179	300EWF179	300EWF179
CONTROL/STARTER BOX (NEMA 4).....	1	301EWF179	301EWF179	301EWF179	301EWF179
2 CONTROLLER ASSEMBLY	(See Page 35)				
3 OPERATOR	1	24CA2907	24CA2907	24CA2907	24CA2907
4 CONTACT BLOCK.....	1	24CA2908	24CA2908	24CA2908	24CA2908
5 TRANSFORMER.....	1	24CA5623	24CA5622	24CA5622	24CA5624
6 FUSE	1	24CA3726	24CA3726	24CA3726	24CA3726
7 STARTER.....	1	24CA4142	24CA4137	24CA4137	24CA4137
8 COIL	1	2116124	2116923	2116923	2116923
9 CONTROL RELAY	1	24CA3896	24CA3896	24CA3896	24CA3896
11 FUSE-HOLDER.....	1	24CA4164	24CA4164	24CA4098	24CA4098
12 RELAY	1	24CA4087	24CA4086	24CA4086	24CA4086
15 CONTROLLER.....	1	301EWC1173	301EWC1173	301EWC1173	301EWC1173
16 CONTROLLER/PLC.....	1	302EWC1173	302EWC1173	302EWC1173	302EWC1173
17 BLOCK.....	10	24CA2633	24CA2633	24CA2633	24CA2633
18 SEAL-PLUG	1	24CA4954	24CA4954	24CA4954	24CA4954

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

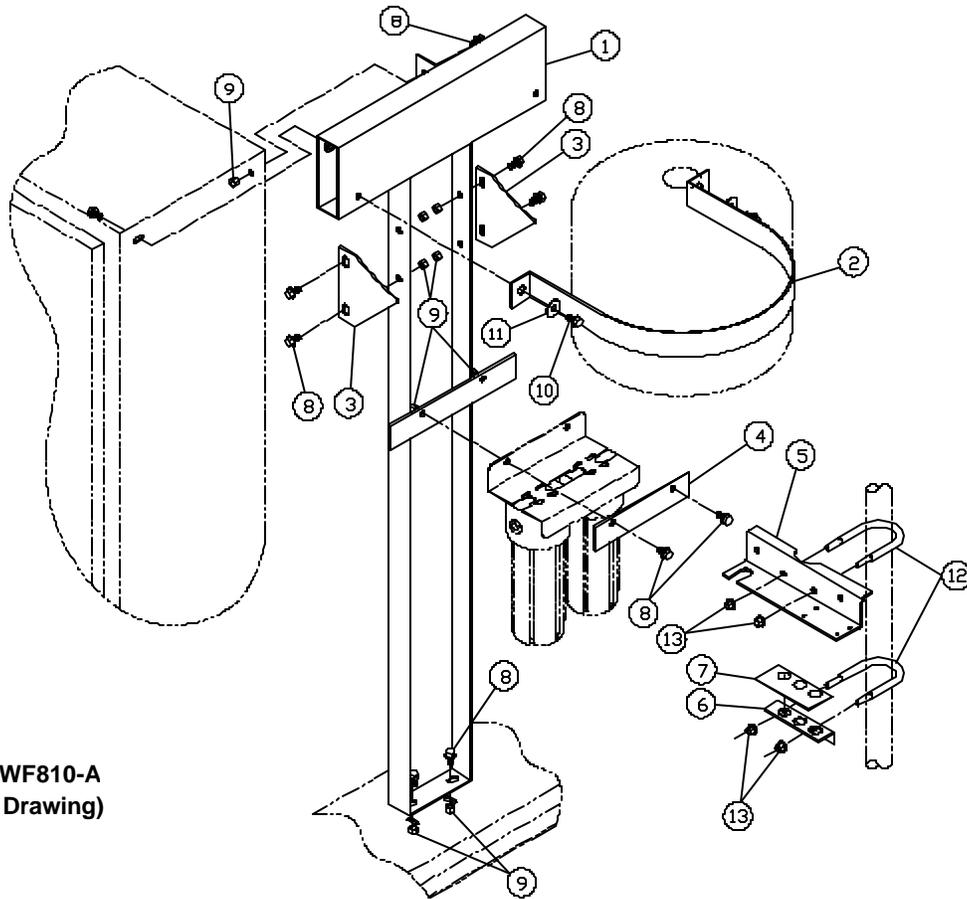


CONTROLLER ASSEMBLY

B/M: 300EWC2006

Ref. No.	Name of Part	Qty.	Part No.
1	CONTROLLER.....	1	300EWC1173
2	SWITCH.....	1	301EWC375
3	PLUG-CONNECTOR.....	1	24CA3400
4	PLUG.....	1	24CA3913
5	PLUG.....	1	24CA3914
6	HARNESS-WIRING.....	1	24CA4501
7	FUSE.....	1	24CA2932
8	CONTROL-GENERAL (CONTROLLER) (not shown)	1	300EWC556
9	CONTROL-GENERAL (DISPLAY) (not shown).....	1	301EWC556

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



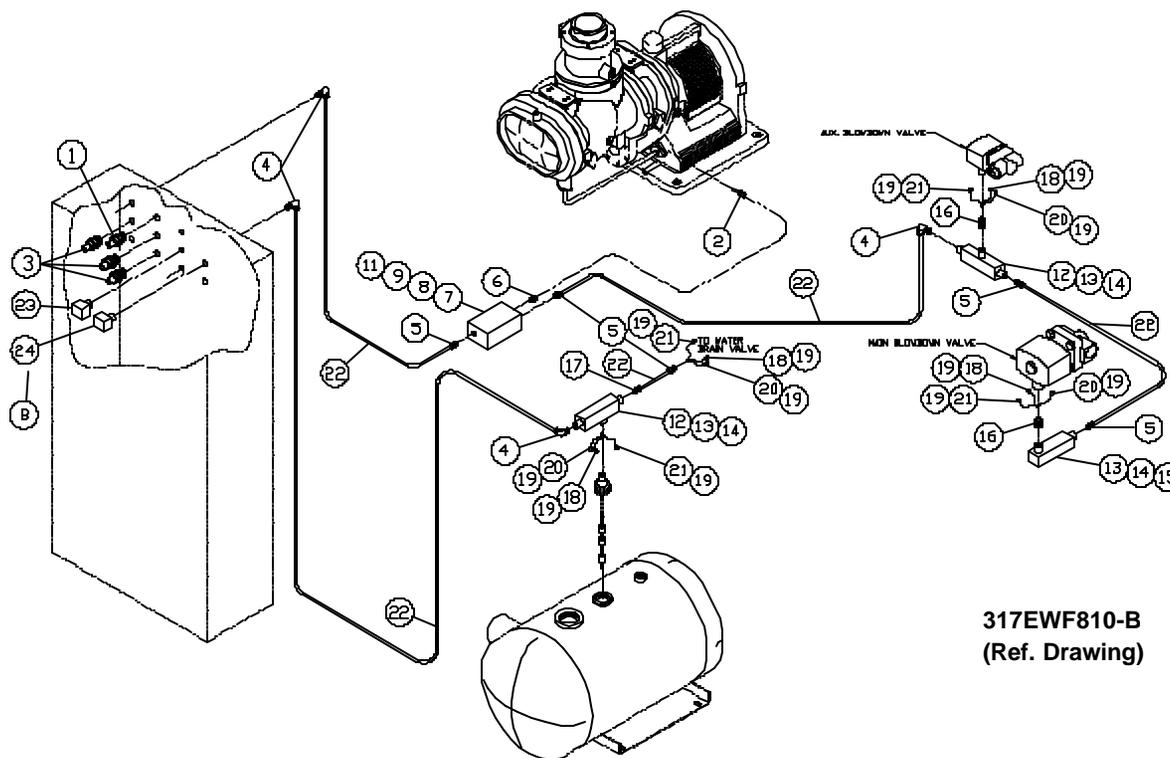
309EWF810-A
(Ref. Drawing)

RO SUPPORT SYSTEM

**B/M: 300EWF4049
306EWF4017**

Ref. No.	Name of Part	Qty.	Part No.
1	SUPPORT, TANK & FILTERS	1	300EWF165
2	SUPPORT, TANK STRAP	1	301EWF165
3	SUPPORT, TANK BASE.....	2	302EWF165
4	BRACE	1	300EWC326
5	SUPPORT, CONTROL HARDWARE	1	307EWC165
6	SUPPORT.....	1	308EWC165
7	PLATE	1	300EWD247
8	SCREW	9	75LM51
9	NUT.....	9	50AW5
10	SCREW	2	75LM98
11	WASHER.....	2	95A3
12	BOLT.....	2	15U18
13	NUT.....	4	50B3

CONTROL MOUNTING



317EWF810-B
(Ref. Drawing)

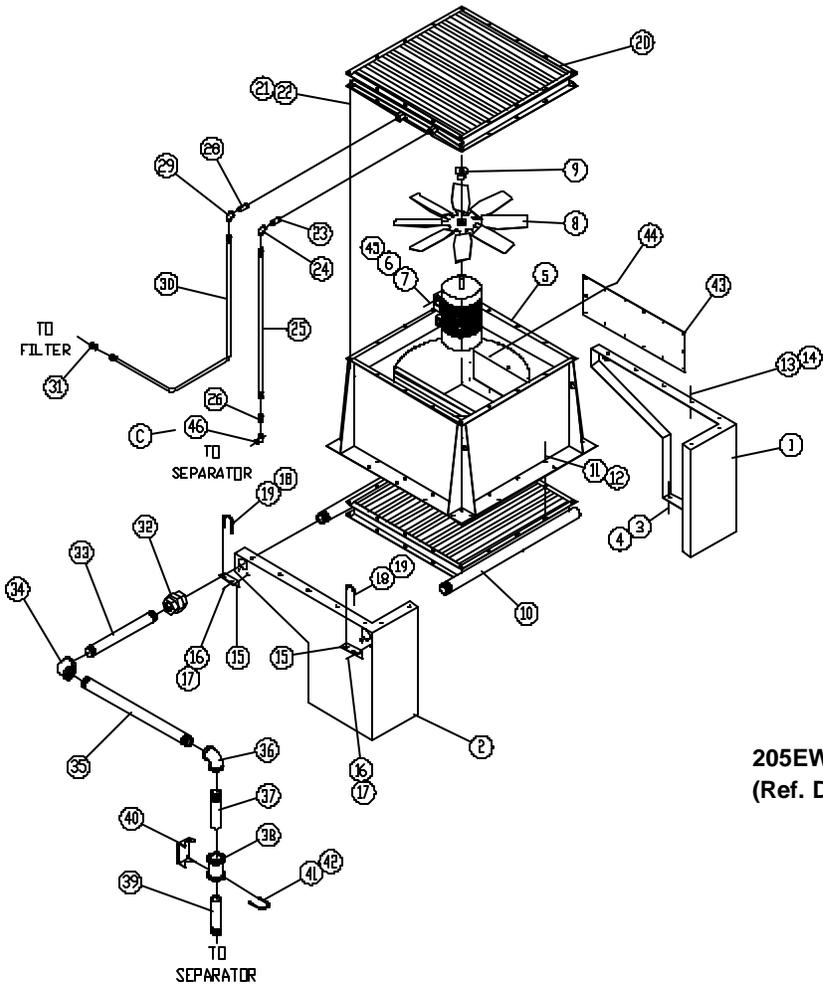
Order by Part Number and Description. Reference Numbers are for your convenience only.

CONTROL MOUNTING

B/M: 300EWF4002

Ref. No.	Name of Part	Qty.	Part No.
1	SWITCH-VACUUM	1	88H195
2	PROBE-ELECTRICAL.....	1	21D264
3	TRANSDUCER-PRESSURE	3	88H359
4	FITTING-CONDUIT.....	4	24A380
5	FITTING-CONDUIT.....	5	24A378
6	FITTING-ELECTRICAL.....	1	24CA2865
7	BOX-OUTLET.....	1	24CA2861
8	COVER.....	1	24CA795
9	SCREW	2	75G1
11	NUT.....	2	50AW2
12	FITTING-CONDUIT.....	2	24A341
13	GASKET	3	24A342
14	COVER.....	3	24A343
15	FITTING-CONDUIT.....	1	24A340
16	NIPPLE	2	24A503
17	FITTING-CONDUIT.....	1	24A379
18	WIRE	23	97H2W
19	CONNECTOR	12	24CA2068
20	WIRE	14	97H2G
21	WIRE	52	97H2R
22	CONDUIT.....	22	24A402
23	SWITCH- PRESSURE	1	88H346
24	SWITCH-PRESSURE	1	88A301

AIR COOLED COOLERS



205EWF810-C
(Ref. Drawing)

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

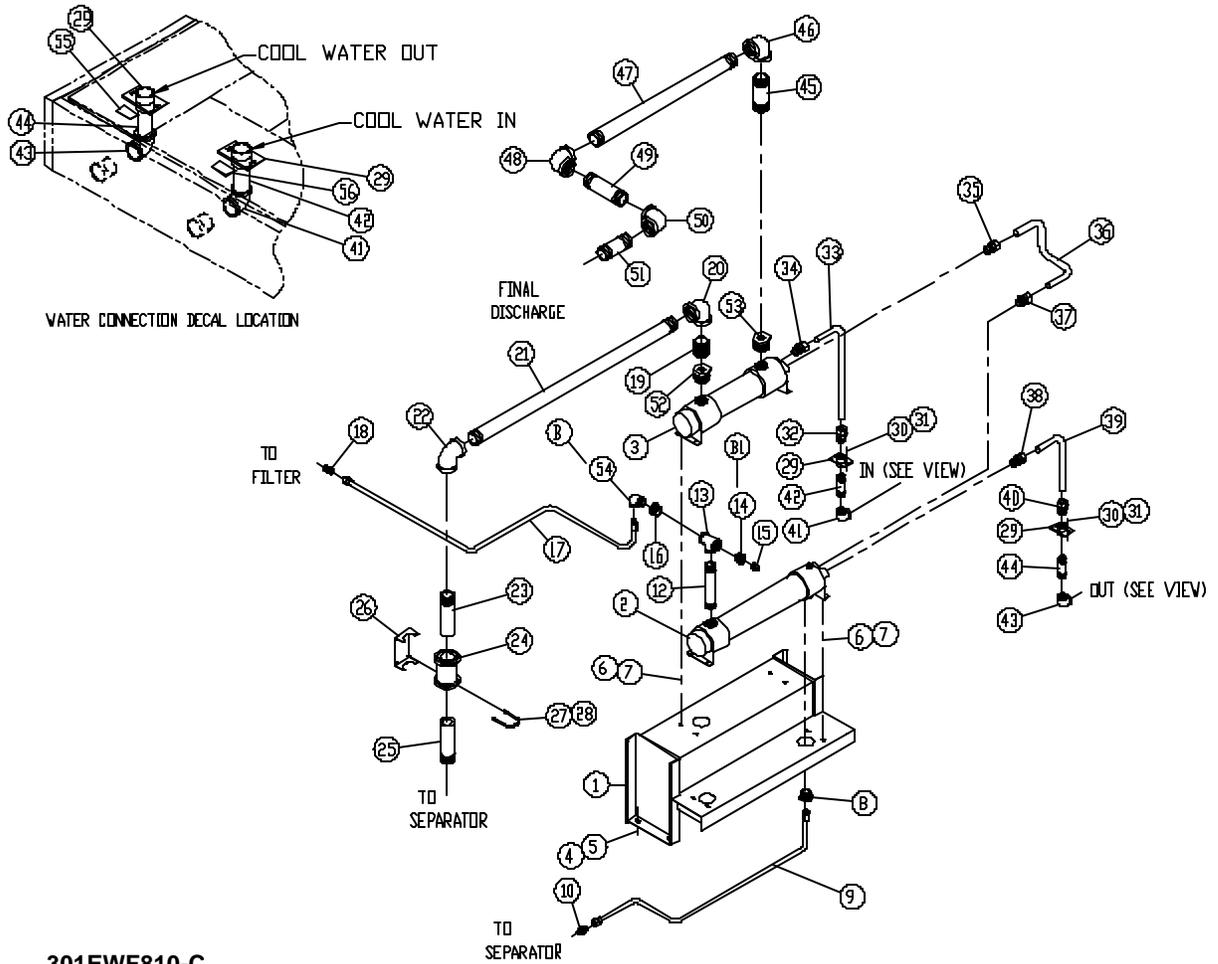
AIR COOLED COOLERS

B/M: 301EWF4003

Ref. No.	Name of Part	Qty.	Part No.
1	SUPPORT.....	1	201EWF165
2	SUPPORT.....	1	202EWF165
3	SCREW.....	12	75LM135
4	NUT.....	12	50AW35
5	SHROUD.....	1	200EWF647
6	SCREW.....	4	655EE050
7	NUT.....	4	50B5
8	FAN.....	1	202EAU701
9	BUSHING-HUB.....	1	22G19
10	AFTERCOOLER.....	1	300EWF292
11	SCREW.....	16	75LM51
12	NUT.....	16	50AW5
13	SCREW.....	14	75LM51
14	NUT.....	14	50AW5
15	BRACKET (FORMED).....	2	200EWF142
16	SCREW.....	4	75LM51
17	NUT.....	4	50AW5
18	U-BOLT.....	2	121179
19	NUT.....	4	50AW5
20	COOLER-WATER.....	1	200EWF257
21	SCREW.....	16	75LM51
22	NUT.....	16	50AW5
23	NIPPLE.....	1	64EB514
24	ELBOW.....	1	64EB526
25	HOSE.....	1	29Z392
26	ADAPTOR.....	1	29Z363
28	NIPPLE.....	1	64EB514
29	ELBOW.....	1	64EB526
30	HOSE.....	1	29Z393
31	ADAPTOR.....	1	29Z363
32	UNION.....	1	64EB259
33	NIPPLE.....	1	64EB823
34	ELBOW.....	1	64EB255
35	NIPPLE.....	1	64EB825
36	ELBOW.....	1	64EB255
37	NIPPLE.....	1	64EB965
* 38	COUPLING-FLEXIBLE.....	1	64EB533
39	NIPPLE.....	1	64EB519
40	BRACKET-PIPE.....	1	201EAP108
41	U-BOLT.....	2	15U18
42	NUT.....	4	50AW5
43	COVER.....	1	300EWF225
44	SCREW.....	14	75LM51
45	LOCKWASHER.....	4	95B5
46	ELBOW.....	1	64EB554

* For Repair, order Coupling Gasket Part Number 2117159 (2 required).

WATER COOLED COOLERS



301EWF810-C
(Ref. Drawing)

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

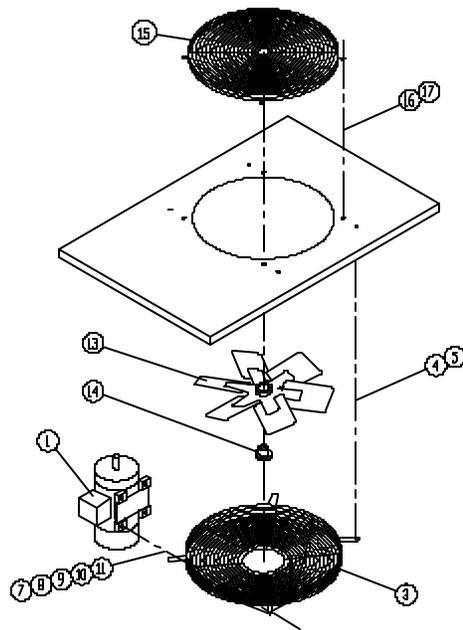
WATER COOLED COOLERS

B/M: 300EWF4003

Ref. No.	Name of Part	Qty.	Part No.
1	SUPPORT.....	1	200EWF165
2	EXCHANGER-HEAT.....	1	200EWD349
3	AFTERCOOLER.....	1	200EWF292
4	SCREW.....	4	75LM51
5	NUT.....	4	50AW5
6	SCREW.....	8	75LM51
7	NUT.....	8	50AW5
8	BUSHING-PIPE.....	1	64EB779
9	HOSE.....	1	29Z392
10	ADAPTOR.....	1	29Z363
12	NIPPLE.....	1	64EB318
13	TEE.....	1	64EB256
14	BUSHING-PIPE.....	1	64EB521
15	PLUG.....	1	64AJ16
16	BUSHING-PIPE.....	1	64EB779
17	HOSE.....	1	29Z393
18	ADAPTOR.....	1	29Z363
19	NIPPLE.....	1	64EB317
20	ELBOW.....	1	64EB255
21	NIPPLE.....	1	64EB826
22	ELBOW.....	1	64EB255
23	NIPPLE.....	1	64EB664
* 24	COUPLING-FLEXIBLE.....	1	64EB533
25	NIPPLE.....	1	64EB519
26	BRACKET-PIPE.....	1	201EAP108
27	BOLT-U.....	2	15U18
28	NUT.....	4	50AW5
29	MANIFOLD-WATER.....	2	200EDM072
30	SCREW.....	4	75LM51
31	NUT.....	4	50AW5
32	CONNECTOR-TUBE.....	1	86N105
33	TUBE-FORMED.....	1	206EWF857
34	CONNECTOR-TUBE.....	1	86N105
35	CONNECTOR-TUBE.....	1	86N105
36	TUBE-FORMED.....	1	207EWF857
37	CONNECTOR-TUBE.....	1	86N105
38	CONNECTOR-TUBE.....	1	86N105
39	TUBE-FORMED.....	1	205EWF857
40	CONNECTOR-TUBE.....	1	86N105
41	ELBOW.....	1	64C8G
42	NIPPLE.....	1	63K4G
43	ELBOW.....	1	64C8G
44	NIPPLE.....	1	63K4G
45	NIPPLE.....	1	64EB659
46	ELBOW.....	1	64EB255
47	NIPPLE.....	1	64EB824
48	ELBOW.....	1	64EB255
49	NIPPLE.....	1	64EB318
50	ELBOW.....	1	64EB255
51	NIPPLE.....	1	64EB280
52	BUSHING-PIPE.....	1	64EB263
53	BUSHING-PIPE.....	1	64EB263
54	ELBOW.....	1	64EB554
55	PLATE-DATA, COOL WATER OUT.....	1	202EWD454
56	PLATE-DATA, COOL WATER IN.....	1	203EWD454

* For Repair, order Coupling Gasket Part Number 2117159 (2 required).

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



285ECM810
(Ref. Drawing)

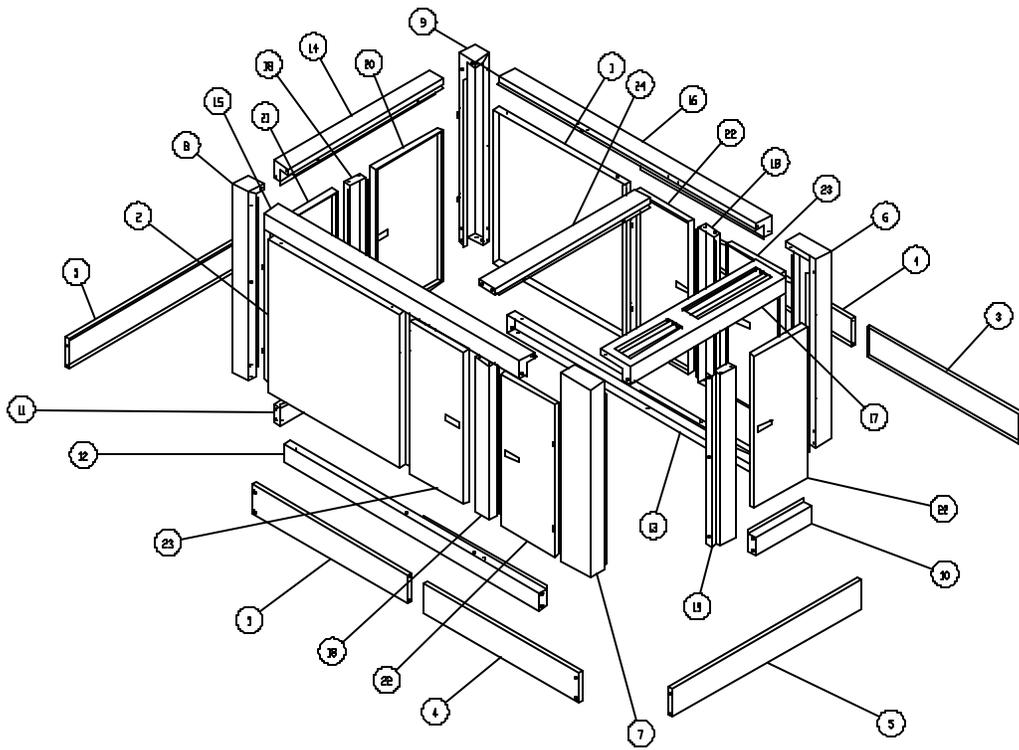
ENCLOSURE VENT FAN ASSEMBLY (WATER COOLED UNITS ONLY)

B/M: 304-307EBH4007

Ref. No.	Name of Part	Qty.	Part No.
1	MOTOR	1	24CA4177
3	GUARD-FAN	1	202ECM393
4	SCREW	4	75K48
5	WASHER	4	95A5
7	SCREW	4	75A35
8	RETAINER	4	2014731
9	WASHER	4	95A2
10	LOCKWASHER	4	95B2
11	NUT	4	50B2
13	FAN	1	202ECM701
14	BUSHING-SHEAVE	1	22G27
15	GUARD-FAN	1	200ECM393
16	SCREW	4	75LM51
17	NUT	4	50AW5
* 18	CONDUIT	6	24A402
* 20	FITTING-CONDUIT	1	24A378
* 21	FITTING-CONDUIT	1	24A380
* 22	WIRE	24	97H2A
* 23	WIRE	8	97H2G
* 24	LUG-TERMINAL	12	24CA806
* 25	LUG-TERMINAL	1	24CA805
* 26	HEATER-OVERLOAD	3	24CA4104
* 27	FUSE	3	24CA4093
* 28	SCREW	3	75G23
* 29	DECAL	1	311AUX077
* 30	LOCKWASHER	3	95W45
* 31	NUT	3	50K3

* Not shown

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



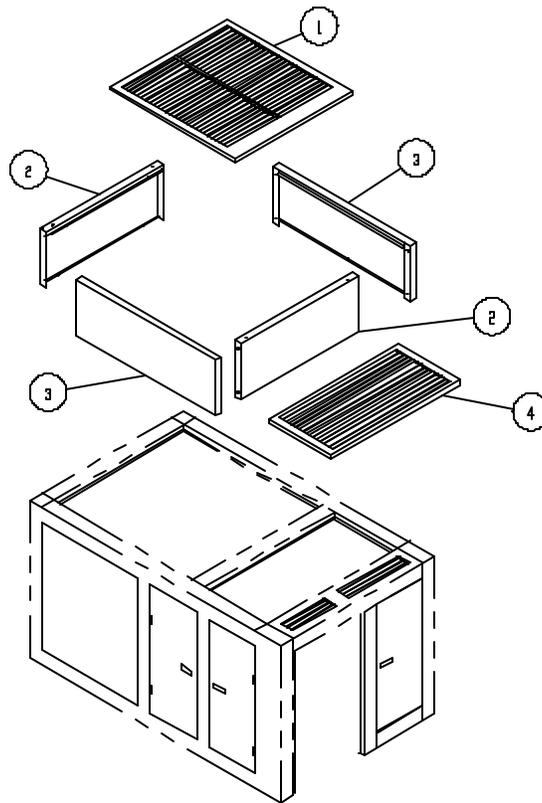
304EWF810
(Ref. Drawing)

ENCLOSURE GROUP

B/M: 204EWF4017

Ref. No.	Name of Part	Qty.	Part No.
1	PANEL	1	301EWF216
2	PANEL	1	300EWF216
3	PANEL	2	303EWF216
4	PANEL	2	302EWF216
5	PANEL	2	304EWF216
6	POST	1	300EWF313
7	POST	1	301EWF313
8	POST	1	302EWF313
9	POST	1	303EWF313
10	FRAME	1	300EWF314
11	FRAME	1	301EWF314
12	FRAME	1	302EWF314
13	FRAME	1	303EWF314
14	FRAME	1	304EWF314
15	FRAME	1	305EWF314
16	FRAME	1	306EWF314
17	FRAME	1	307EWF314
18	BRACE	3	301EWF326
19	BRACE	1	302EWF326
20	DOOR	1	300EWF334
21	DOOR	1	301EWF334
22	DOOR	3	302EWF334
23	DOOR	2	303EWF334
24	BRACE	1	300EWF326
25	SUPPORT (not shown)	6	207EWD165

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



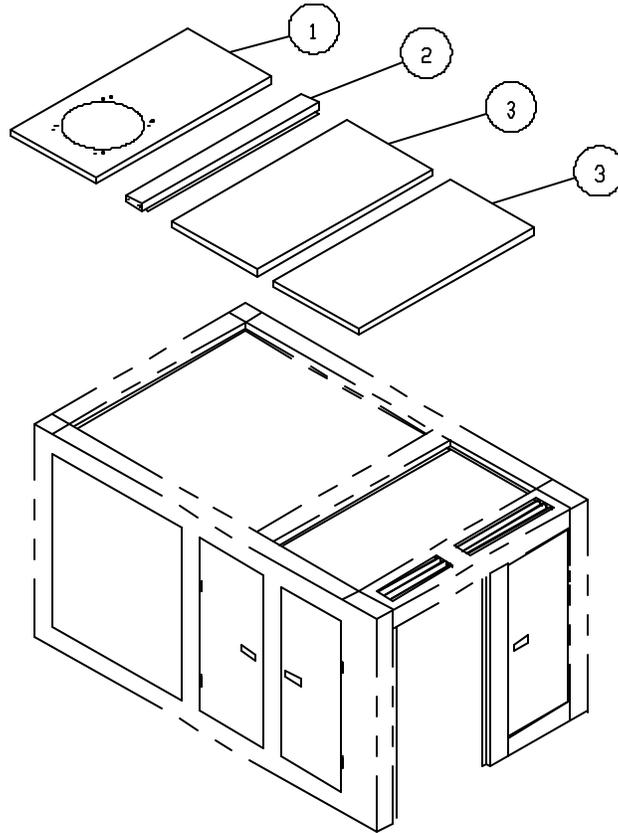
302EWF810
(Ref. Drawing)

AIR COOLED ENCLOSURE

B/M: 205EWF4017

Ref. No.	Name of Part	Qty.	Part No.
1	GRILLE	1	301EWF736
2	PANEL.....	2	306EWF216
3	PANEL.....	2	305EWF216
4	GRILLE	1	300EWF736

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



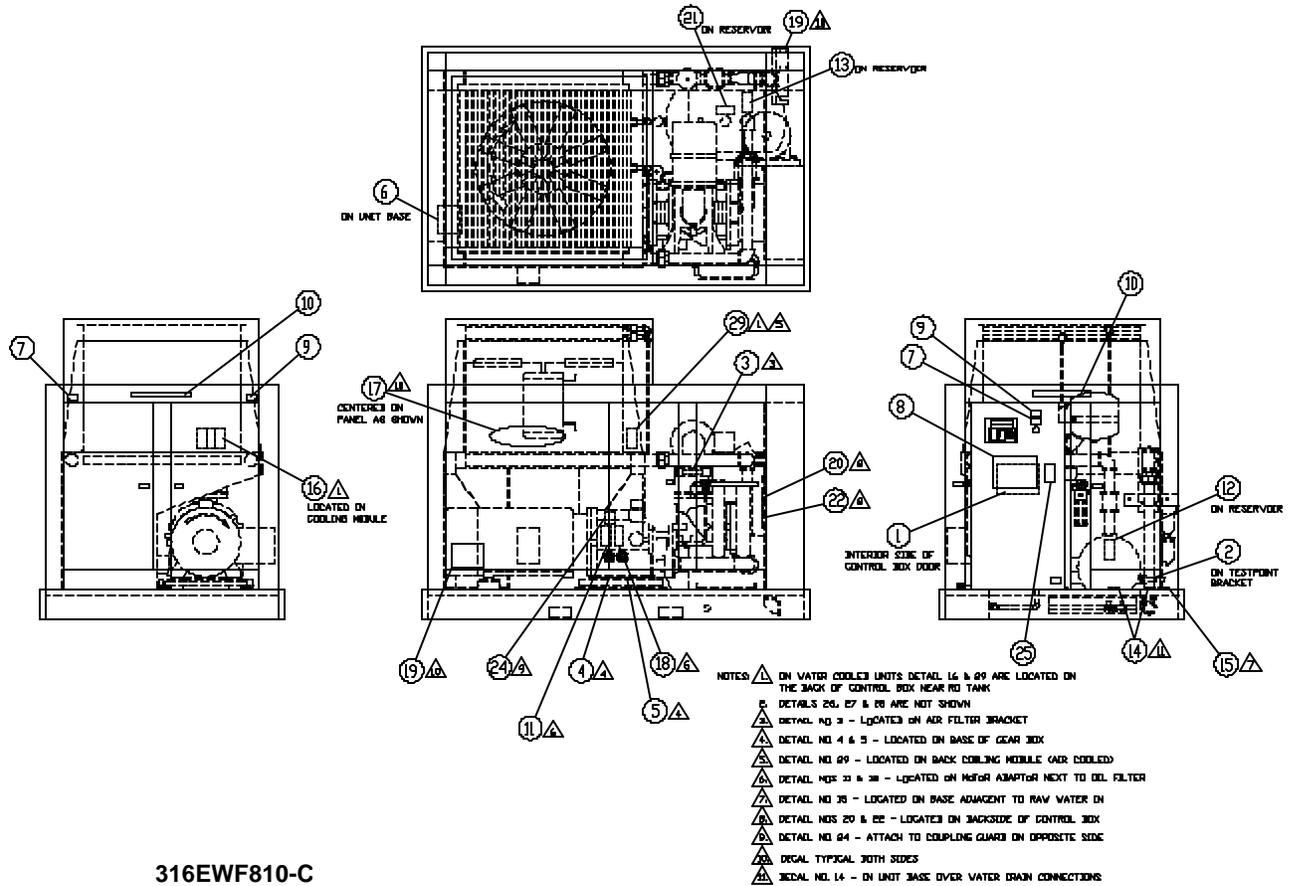
303EWF810
(Ref. Drawing)

WATER COOLED ENCLOSURE

B/M: 206EWF4017

Ref. No.	Name of Part	Qty.	Part No.
1	PANEL.....	1	308EWF216
2	BRACE	1	300EWF326
3	PANEL.....	2	307EWF216

IDENTIFICATION AND INSTRUCTION GROUP



316EWF810-C
(Ref. Drawing)

- NOTES
- ▲ ON WATER COOLER UNITS DETAIL 16 & 19 ARE LOCATED ON THE BACK OF CONTROL BOX NEAR RO TANK
 - DETAILS 26, 27 & 28 ARE NOT SHOWN
 - ▲ DETAIL NO 3 - LOCATED ON AIR FILTER BRACKET
 - ▲ DETAIL NO 4 & 5 - LOCATED ON BASE OF GEAR BOX
 - ▲ DETAIL NO 19 - LOCATED ON BACK COILING NEBULE (AIR COOLED)
 - ▲ DETAIL NOS 22 & 28 - LOCATED ON MOTOR ADAPTOR NEXT TO OIL FILTER
 - ▲ DETAIL NO 26 - LOCATED ON BASE ADJACENT TO RAW WATER IN
 - ▲ DETAIL NOS 20 & 22 - LOCATED ON BACKSIDE OF CONTROL BOX
 - ▲ DETAIL NO 24 - ATTACH TO COUPLING GUARD ON OPPOSITE SIDE
 - ▲ DECAL TYPICAL 30TH SIDES
 - ▲ DETAIL NO 14 - ON UNIT BASE OVER WATER DRAIN CONNECTIONS

IDENTIFICATION AND INSTRUCTION GROUP

B/M: 302EWF4011

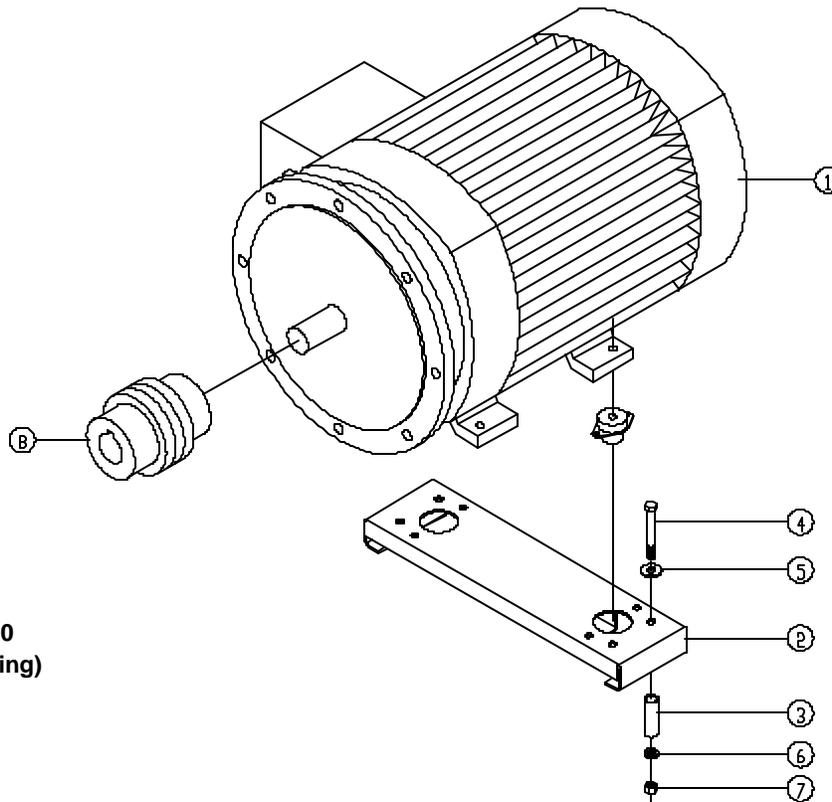
Ref. No.	Name of Part	Qty.	Part No.
1	DECAL-WARNING (ELECTRICAL SHOCK & FIRE).....	1	314EAQ077
2	DATA-PLATE	1	300EWD454
3	DECAL.....	1	218EAQ077
4	DECAL-CAUTION (DO NOT REMOVE PLUG®).....	1	203ESF077
5	DECAL-WARNING	1	240EAQ077
7	DECAL-QUALITY WITHOUT QUESTION	2	305EWC077
8	DECAL-OPERATION & MAINTENANCE (CHAMPION)	1	306EWC077
10	DECAL (CHAMPION).....	2	309EWC077
11	DECAL-CAUTION (DO NOT LIFT)	1	208EAQ077
12	DECAL-WARNING (UNIT CAN AUTO START)	1	207EAQ077
13	DECAL-DANGER (DO NOT BREATHE DISCHARGE. AIR).....	1	206EAQ077
14	PLATA-DATA (WATER DRAIN).....	2	201EWD454
15	PLATE-DATA (RAW WATER IN).....	1	301EWD454
16	DECAL-WARNING	1	227EAQ077
17	DECAL (CHAMPION).....	2	310EBA077
18	DECAL.....	1	307EWC077
19	DECAL LARGE (CHAMPION)	2	308EBA077
20	DECAL-DANGER (AIR/OIL UNDER PRESSURE).....	1	212EAQ077
21	DECAL-WATER SEPARATOR.....	1	206EWD077
22	DECAL.....	1	308EWC077
24	TAG-INSTRUCTION.....	1	203EAQ304
25	DECAL-WARNING	1	323EAQ077
27	SEALANT	1	25BC448
28	LUBRICANT (AEON 800).....	5	28G20
29	DECAL-DANGER (DO NOT BREATHE DISCHARGE AIR)	1	206EAQ077
31	TAG-INSTRUCTION (WARNING_.....	1	303EWC304

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

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



201EWF810
(Ref. Drawing)

MOTOR MOUNTING

Ref. No.	Name of Part	Qty.	For 404/405 Motor Frame Part No.	For 444/445 Motor Frame Part No.
1	MOTOR.....	1	*	*
2	SUPPORT-MOTOR	1	201EDM620	200EDM620
3	NIPPLE	4	63AM12X32G	63AM12X22G
4	SCREW.....	4	655EF180	655EF140
5	WASHER	4	95A7	957
6	LOCKWASHER	4	95B7	95B7
7	NUT	4	50B7	50B7
** 8	COUPLING-FLEXIBLE	1	51L119	51L120

* See page 51 for Motor part numbers.

** See page 54 for Drive Coupling Repair Kit part numbers.

**MOTOR GROUP
MAIN DRIVE MOTORS**

Name of Part	100 HP 100, 125 & 150 PSIG Part No.	125 HP 100 & 125 PSIG Part No.	125 HP 150 PSIG Part No.	150 HP 100, 125 & 150 PSIG Part No.
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**OPEN DRIP PROOF
(60 HZ – ODP)**

MOTOR, 200V	24CA2879	24CA4540	24CA2880	24CA4547
MOTOR, 230V	24CA2882	24CA4541	24CA2176	24CA4548
MOTOR, 460V	24CA2108	24CA4542	24CA2109	24CA4549
MOTOR, 575V	24CA2114	24CA4543	24CA2115	24CA4550
DRIVE COUPLING	51L119	51L119	51L119	51L119

**OPEN DRIP PROOF
(60 HZ – ODP - HIGH EFFICIENCY)**

MOTOR, 200V	24CA4509	24CA4570	24CA4513	24CA4578
MOTOR, 230V	24CA4510	24CA4571	24CA4514	24CA4579
MOTOR, 460V	24CA4511	24CA4572	24CA4515	24CA4580
MOTOR, 575V	24CA4512	24CA4573	24CA4516	24CA4581
DRIVE COUPLING	51L119	51L119	51L119	51L119

**TOTALLY ENCLOSED FAN COOLED
(60 HZ – TEFC)**

MOTOR, 200V	24CA4518	24CA4555	24CA4522	24CA4562
MOTOR, 230V	24CA4519	24CA4556	24CA4523	24CA4563
MOTOR, 460V	24CA4520	24CA4557	24CA4524	324CA4564
MOTOR, 575V	24CA4521	24CA4558	24CA4525	24CA4565
DRIVE COUPLING	51L119	51L120	51L120	51L120

**TOTALLY ENCLOSED FAN COOLED
(60 HZ – TEFC - HIGH EFFICIENCY)**

MOTOR, 200V	24CA4527	24CA4586	24CA4533	24CA4594
MOTOR, 230V	24CA4528	24CA4587	24CA4534	24CA4595
MOTOR, 460V	24CA4529	24CA4588	24CA4535	24CA4596
MOTOR, 575V	24CA4530	24CA4589	24CA4536	24CA4597
DRIVE COUPLING	51L119	51L119	51L119	51L119

MOTOR GROUP (Continued)

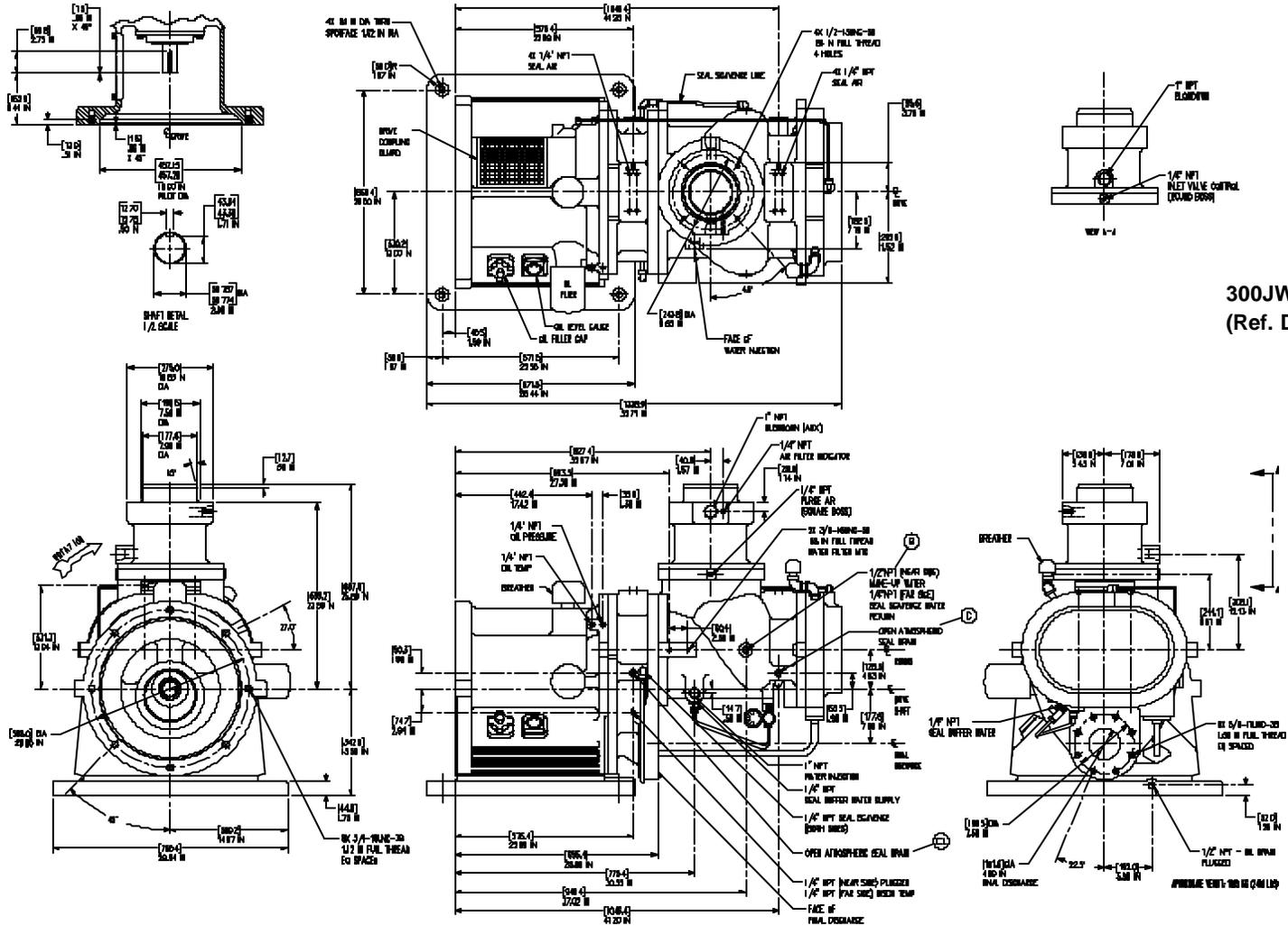
**COOLING FAN MOTOR – AIR COOLED
(60 HZ – TEFC)**

VOLTAGE	FAN MOTOR
200	24CA214
230/460	24CA215
575	24CA216

**ENCLOSURE VENT FAN MOTOR – WATER COOLED
(60 HZ – TEFC)**

VOLTAGE	FAN MOTOR
200	24CA4177
230/460	24CA2464
575	24CA4178

OUTLINE - BARE UNIT



REPAIR KITS

Your Gardner Denver rotary screw compressor is designed and manufactured for many years of reliable operation. All components are engineered to exacting specifications, which will function together as a system to provide maximum efficiency. To insure the continuing integrity of compressor operation, use only original quality genuine Gardner Denver replacement parts and accessories.

Name of Part	Qty.	Part No.
ROUTINE MAINTENANCE KIT (4000 Hours)		309EWF6013
ELEMENT, AIR FILTER.....	2	2118337
ELEMENT, OIL FILTER.....	2	26A43
ELEMENT, RECIRCULATING WATER FILTER.....	4	2118336
ELEMENT, RO SEDIMENT FILTER.....	4	2118141
ELEMENT, RO CARBON BLOCK	4	2118142
ELEMENT, RO 100 GDP MEMBRANE	1	2118143
ELECTRICAL CONTROL KIT		303EWF6013
VALVE-SOLENOID	1	91B225
VALVE-SOLENOID	1	91B127
VALVE-SOLENOID	2	91B226
VALVE-SOLENOID	1	91B109
SWITCH LEVEL.....	1	200EWF375
VACUUM SWITCH.....	1	88H195
PROBE-ELECTRICAL.....	1	21D264
TRANSDUCER-PRESSURE.....	3	88H359
PRESSURE SWITCH.....	1	88A301
PRESSURE SWITCH.....	1	88H346
VALVE-SUBTRACTIVE/PILOT.....	1	88B46
MISCELLANEOUS REPAIR ITEMS		
RECIRCULATING WATER FILTER HOUSING	1	26C34
O-RING, SHELL (for 26C34)	1	2116644
O-RING, COVER NUT (for 26C34)	1	2116645
O-RING, GASKET SEAL (for 26C34).....	1	2116646
CONTROL AIR LINE FILTER.....	1	5L340
CONTROL AIR WATER DRAIN	1	7000364
GASKET, 2" FLEXIBLE COUPLING.....	2	2010363
GASKET, 1" FLEXIBLE COUPLING.....	2	2010493
O-RING (for 90AR853)	1	2116641
O-RING (for 90AR853)	1	2116642
SEAT (for 90AR853).....	1	2116143
DRIVE COUPLING KIT (51L119, 51L120 COUPLINGS).....	1	2109116
TOUCH-UP PAINT.....		200EWD6003
1 QUART CAN.....	1	28H8
LUBRICANT		
5 GALLON PAIL.....	1	28G7

Gardner --- **Denver**

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Customer Service Department Telephone:
(800) 682-9868 FAX: (217) 224-7814

Sales and Service in all major cities.

For parts information, contact Gardner Denver,
Master Distribution Center, Memphis, TN

Telephone: (800) 245-4946 FAX: (901) 542-6159