
CHAMPION®

13-8-514
Version: 07
February 9, 2004

**ROTORCHAMP[®]
BASE-MOUNTED
COMPRESSORS**

**MODELS – EFB99B
7.5, 10 & 15 HP**

PARTS LIST



**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 air end exchange program and the name of your authorized distributor.

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

**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 are 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 Champion 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 MDC 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:

Distribution Center:

Champion
Master Distribution Center
5585 East Shelby Drive
Memphis, TN 38141

Phone: (901) 542-6100
(800) 245-4946

Fax: (901) 542-6159

Factory:

Champion
1800 Gardner Expressway
Quincy, IL 62301

Phone: (217) 222-5400

Fax: (217) 224-7814

INSTRUCTION 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.

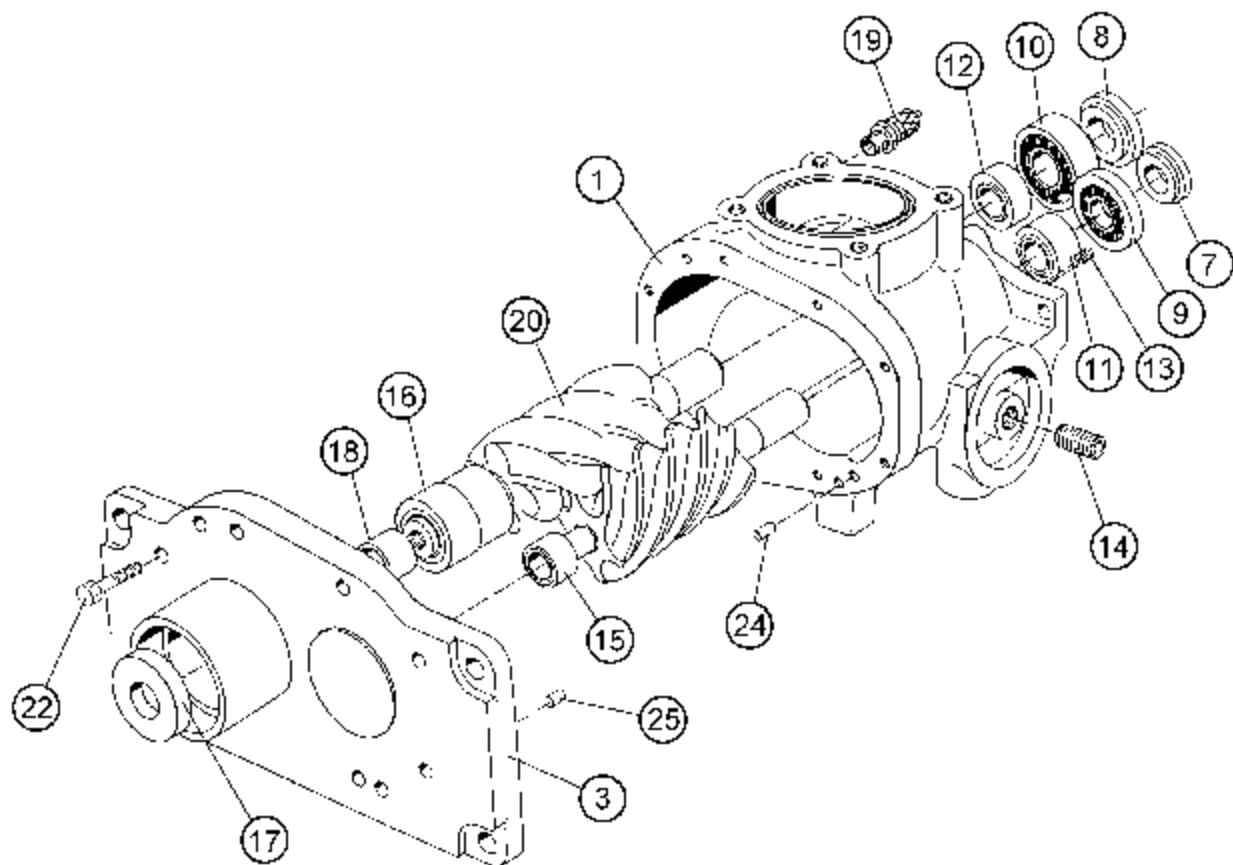
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For Operating and Service Instructions, see:

SERVICE MANUAL 13-8-620

AIREND GROUP



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

AIREND GROUP

Ref. No.	Name of Part	Qty.	Part No.
	AIREND.....		EFC03965238
	REPAIR KIT (Includes Reference No.'s 7-13, 15-17, 24 & 25) .		EFC30855242
1	CYLINDER.....	1	EFC03962338
3	INLET BEARING HOUSING	1	EFC03778428
7	BUSHING	1	EFC03378108
8	BUSHING.....	1	EFC03378088
9	BEARING	1	EFC85387289
10	BEARING	1	EFC80057929
11	NEEDLE ROLLER BEARING.....	1	EFC85387569
12	NEEDLE ROLLER BEARING.....	1	EFC80180679
13	SPRING.....	2	EFC03378368
14	NIPPLE, OIL FILTER ON T3 AIREND.....	1	EFC03381588
15	NEEDLE ROLLER BEARING.....	1	EFC85386839
16	NEEDLE ROLLER BEARING.....	1	EFC85387439
* 17	SHAFT SEAL ASSEMBLY (Includes Reference No. 18)	1	EFC89542409
19	CONNECTOR.....	1	EFC81744309
20	ROTOR SET.....	1	EFC03496438
22	SCREW.....	8	EFC44250260
24	DOWEL PIN.....	2	EFC89512279
25	DOWEL PIN.....	1	EFC85386559

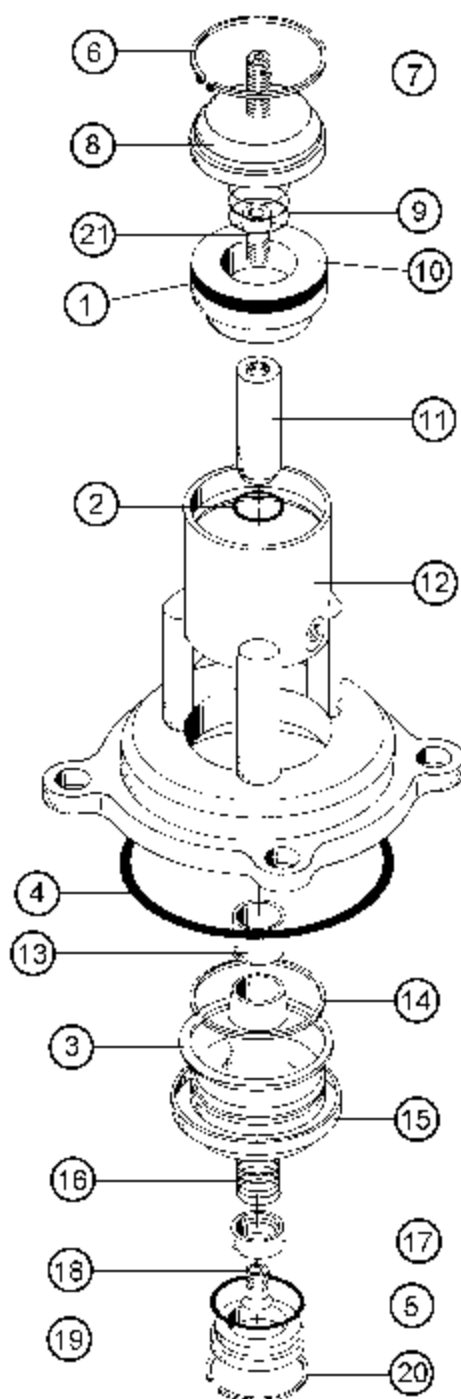
* Not shown

* Tools required for Shaft Seal Removal:

EFC03476918 – Locking Key for Sheave

EFC03477088 – Wear Sleeve Removal Tool

INLET VALVE REPAIR PARTS



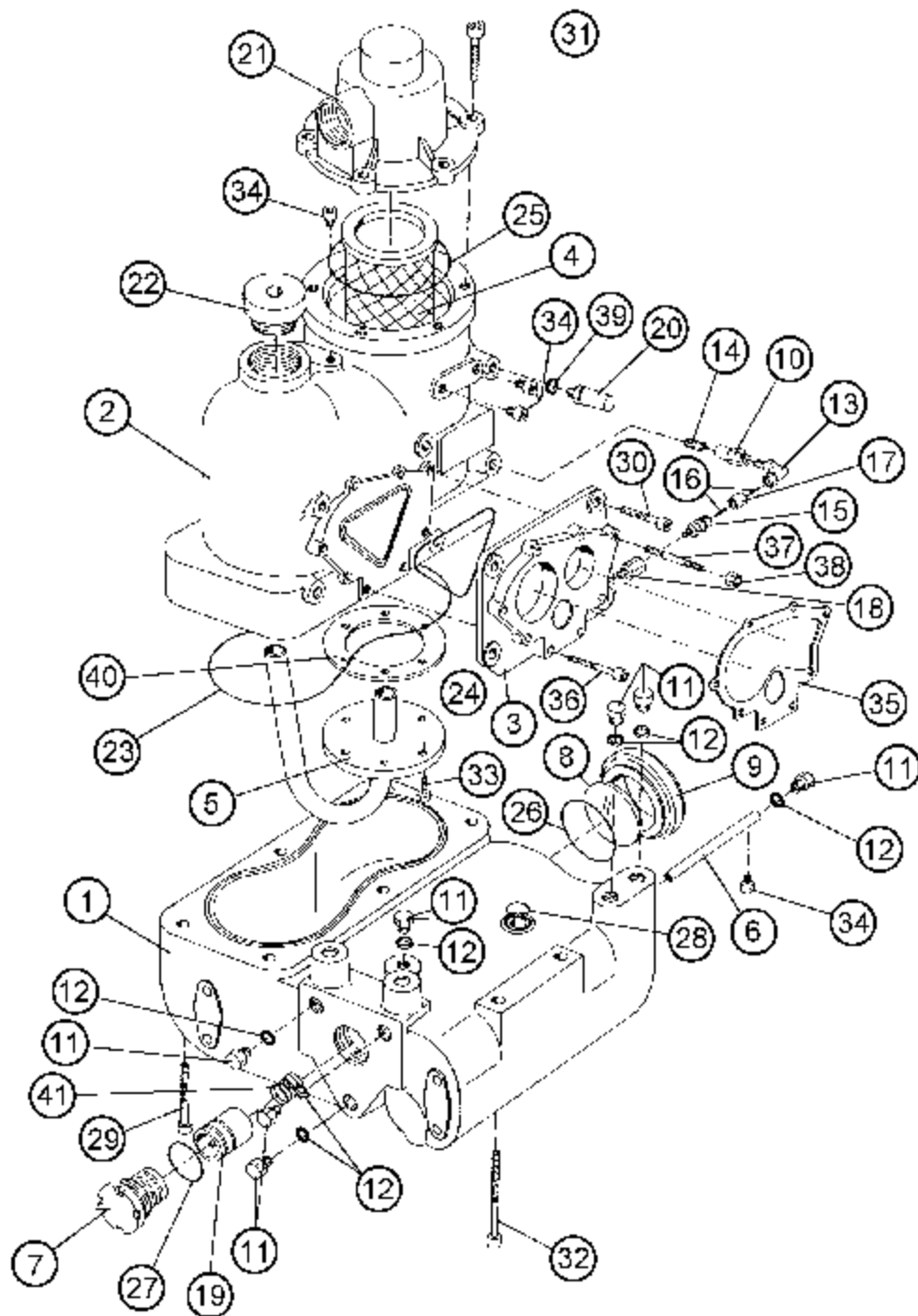
Order by Part Number and Description. Reference Numbers are for your convenience only.

INLET VALVE REPAIR PARTS

Ref. No.	Name of Part	Qty.	Part No.
	INLET VALVE ASSEMBLY		EFC03388708
	INLET VALVE SEAL KIT (Includes Reference No.'s 1-5).....		EFC03389010
	INLET VALVE REPAIR KIT (Includes Reference. No.'s. 1-5, 9, 13, & 16)		EFC89555189
1	GASKET.....	1	
2	O-RING	1	
3	GASKET.....	1	
4	O-RING	1	
5	O-RING	1	
6	LOCK RING	1	
7	SCREW.....	1	
8	COVER.....	1	
9	SPRING.....	1	EFC03397308
10	PISTON.....	1	
11	PISTON SHAFT.....	1	
12	FRAME.....	1	
13	BEARING BUSHING.....	1	
14	RETAINING RING.....	1	
15	PLATE	1	
16	SPRING.....	1	
17	BEARING BUSHING.....	1	
18	SCREW.....	1	
19	PLUG	1	
20	LOCK RING	1	
21	SCREW.....	1	

For Repair, see Periodic Maintenance Kit Part Number EFC89555189, page 31.

ENCAPSULATED COMPRESSOR PARTS



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

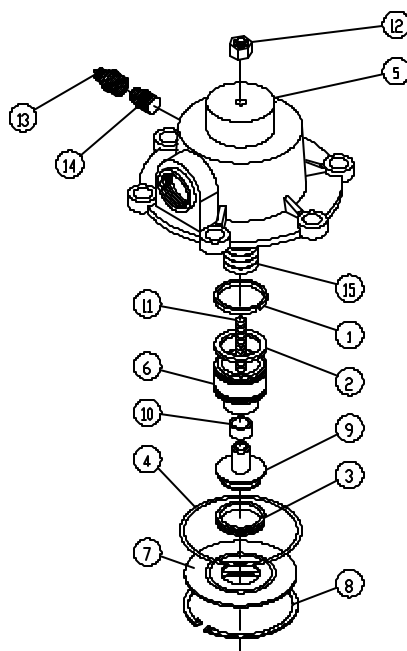
ENCAPSULATED COMPRESSOR PARTS

Ref. No.	Name of Part	Qty.	Part No.
1	OIL SUMP/BASE.....	1	EFC04028178
2	SEPARATOR HOUSING	1	EFC04028208
3	DISCHARGE BEARING HOUSING.....	1	EFC03977698
* 4	OIL SEPARATOR	1	2117761
5	AIR SEPARATION SHOTGUN.....	1	EFC37622058
6	TUBE, SUCTION.....	1	EFC37622188
7	THERMOSTAT HOUSING	1	EFC37622208
8	OIL SITE GLASS.....	1	EFC30899578
9	RETAINER, OIL SITE GLASS	1	EFC30915118
10	HOUSING, OIL SCAVENGE LINE SCREEN.....	1	EFC30941448
11	PLUG	7	EFC03381178
12	GASKET	7	EFC80034799
13	ELBOW	1	EFC85267219
14	OIL SCAVENGE LINE SCREEN.....	1	EFC85588619
15	CONNECTOR	1	EFC81744309
16	ORIFICE TUBE.....	2	EFC30897558
17	PLASTIC TUBE.....	1	EFC85200299
18	CHECK VALVE.....	1	EFC89597779
19	THERMOSTAT ELEMENT		
	150° F STANDARD.....	1	EFC89560169
	180° F OPTIONAL.....	1	EFC89626099
20	PRESSURE RELIEF VALVE.....	1	EFC89592299
21	MINIMUM PRESSURE/CHECK VALVE ASSEMBLY.....	1	EFC03603078
22	PLUG	1	EFC85328079
23	O-RING.....	1	EFC87284609
24	O-RING.....	1	EFC89586739
25	O-RING.....	1	EFC85387979
26	O-RING.....	1	EFC89573939
27	O-RING.....	1	EFC85646299
28	O-RING.....	1	EFC89594469
29	SCREW	6	EFC89558649
30	SCREW	4	EFC44582440
31	SCREW	6	EFC44572670
32	SCREW	2	EFC89586869
33	SCREW	6	EFC80242159
34	PLUG	5	EFC80704779
35	GASKET	1	EFC03598208
36	SCREW	6	EFC81840789
37	STUD	2	EFC87198129
38	NUT.....	2	EFC80177459
39	GASKET	1	EFC80180269
40	GASKET	1	EFC30809658
41	SPRING.....	1	EFC89565369

* For Repair, order Oil Separator Kit Part Number 310EBA6013. See page 31.

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

341EBA810-A
(Ref. Drawing)



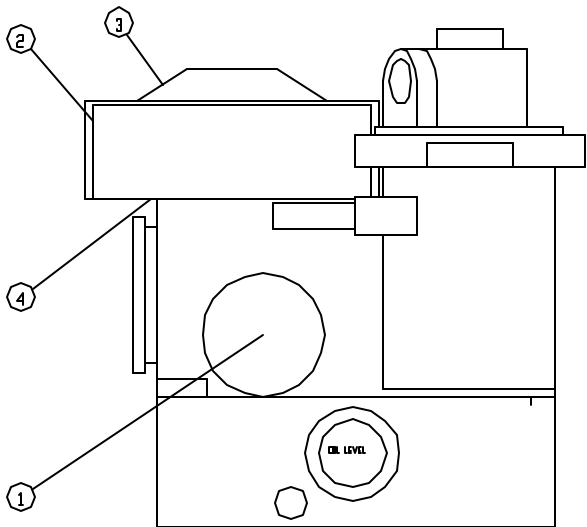
MINIMUM PRESSURE VALVE REPAIR PARTS

Ref. No.	Name of Part	Qty.	Part No.
	MINIMUM PRESSURE/CHECK VALVE ASSEMBLY		EFC03603078
	MINIMUM PRESSURE VALVE SEAL KIT (Includes Reference No.'s 1-4).....		EFC03389270
	MINIMUM PRESSURE VALVE ASSEMBLY KIT (Includes Reference No.'s 1-4, 10 & 15)		EFC89555599
1	RING	1	
2	PISTON GASKET.....	1	
3	GASKET.....	1	
4	O-RING	1	
5	FRAME.....	1	
6	PISTON.....	1	
7	PLATE	1	
8	LOCK RING	1	
9	PLATE	1	
10	BEARING	1	
11	SCREW.....	1	
12	NUT.....	1	
13	CONNECTOR – T3 MINIMUM PRESSURE VALVE	1	EFC03398578
14	FILTER – T3 MINIMUM PRESSURE VALVE	1	EFC85588619
15	SPRING.....	1	

For Repair, see Periodic Maintenance Kit Part Number 301EBA6013, page 31.

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

342EBA810-A
(Ref. Drawing)

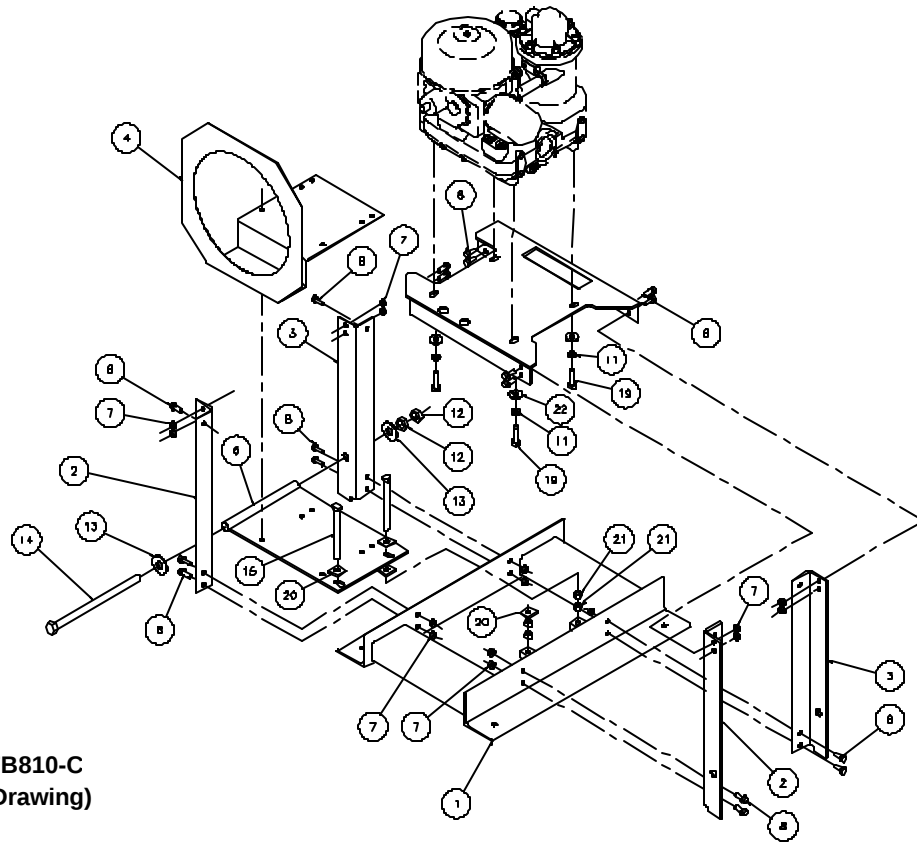


OIL FILTER AND AIR FILTER

Ref. No.	Name of Part	Qty.	Part No.
* 1	OIL FILTER.....	1	2117762
* 2	AIR FILTER ELEMENT.....	1	2117763
3	COVER, AIR FILTER.....	1	EFC03748298
4	BOTTOM PLATE, AIR FILTER.....	1	EFC03589988

* For Repair, order Routine Maintenance Kit Part Number 309EBA6013, see page 31.

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



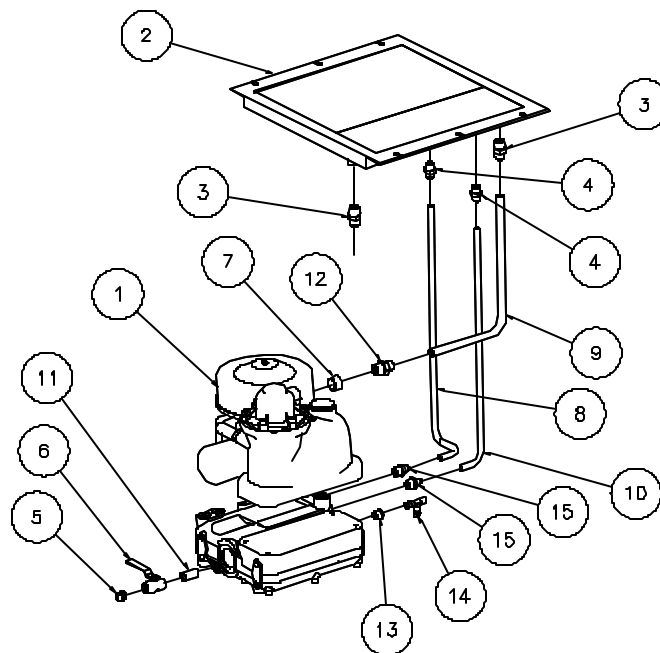
300EFB810-C
(Ref. Drawing)

BASE AND MOUNTING

B/M: 300EFB4017
B/M: 301EFB4013

Ref. No.	Name of Part	Qty.	Part No.
1	BASE.....	1	300EFB285
2	LEG	2	300EFB1263
3	LEG	2	301EFB1263
4	ORIFICE.....	1	300EFB814
5	PEDESTAL.....	1	300EFB1296
6	SUPPORT.....	1	300EFB165
7	NUT	20	50AW5
8	SCREW.....	18	75K48
11	LOCKWASHER.....	4	95B5
12	NUT	2	50B8
13	WASHER-PLAIN.....	2	95A8
14	SCREW	1	655EG480
15	SCREW	2	75AA101
19	SCREW/METRIC	4	665HMCA120300
20	WASHER	4	95C1
21	NUT	4	50AW35
22	WASHER-PLAIN.....	4	95A5

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



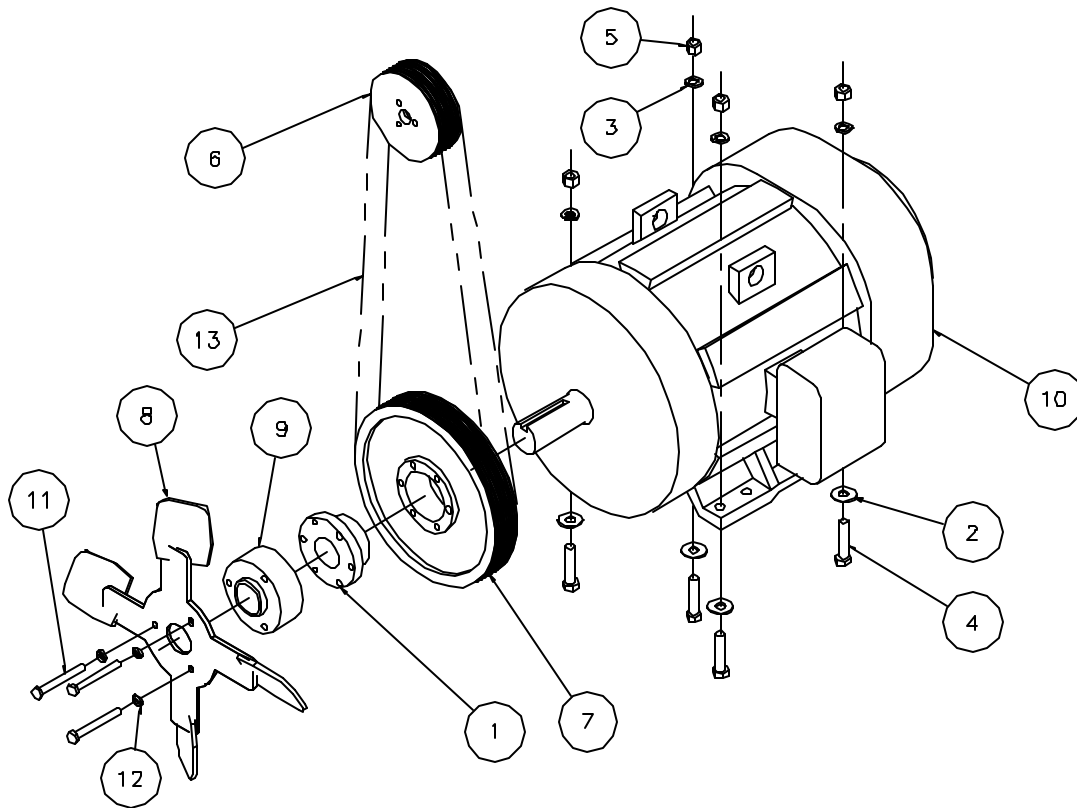
301EFB810-C
(Ref. Drawing)

AIR AND OIL PIPING

B/M: 300EFB4019

Ref. No.	Name of Part	Qty.	Part No.
1	AIREND.....	1	300EBA1095
2	COOLER.....	1	300EFB201
3	CONNECTOR-TUBE.....	2	86H145
4	CONNECTOR-TUBE.....	2	86H139
5	PLUG	1	64AA7
6	VALVE-BALL	1	90AR360
7	BUSHING-PIPE	1	64E110G
8	HOSE.....	1	304EFB127
9	HOSE.....	1	305EFB127
10	HOSE.....	1	303EFB127
11	NIPPLE	1	63F1G
12	CONNECTOR-TUBE.....	1	86H137
13	BUSHING-PIPE	1	64E2G
14	VALVE-OIL SAMPLING.....	1	86N345
15	CONNECTOR-TUBE.....	2	86H151

DRIVE GROUPS BY HORSEPOWER AND PRESSURE



302EFB810-A
(Ref. Drawing)

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

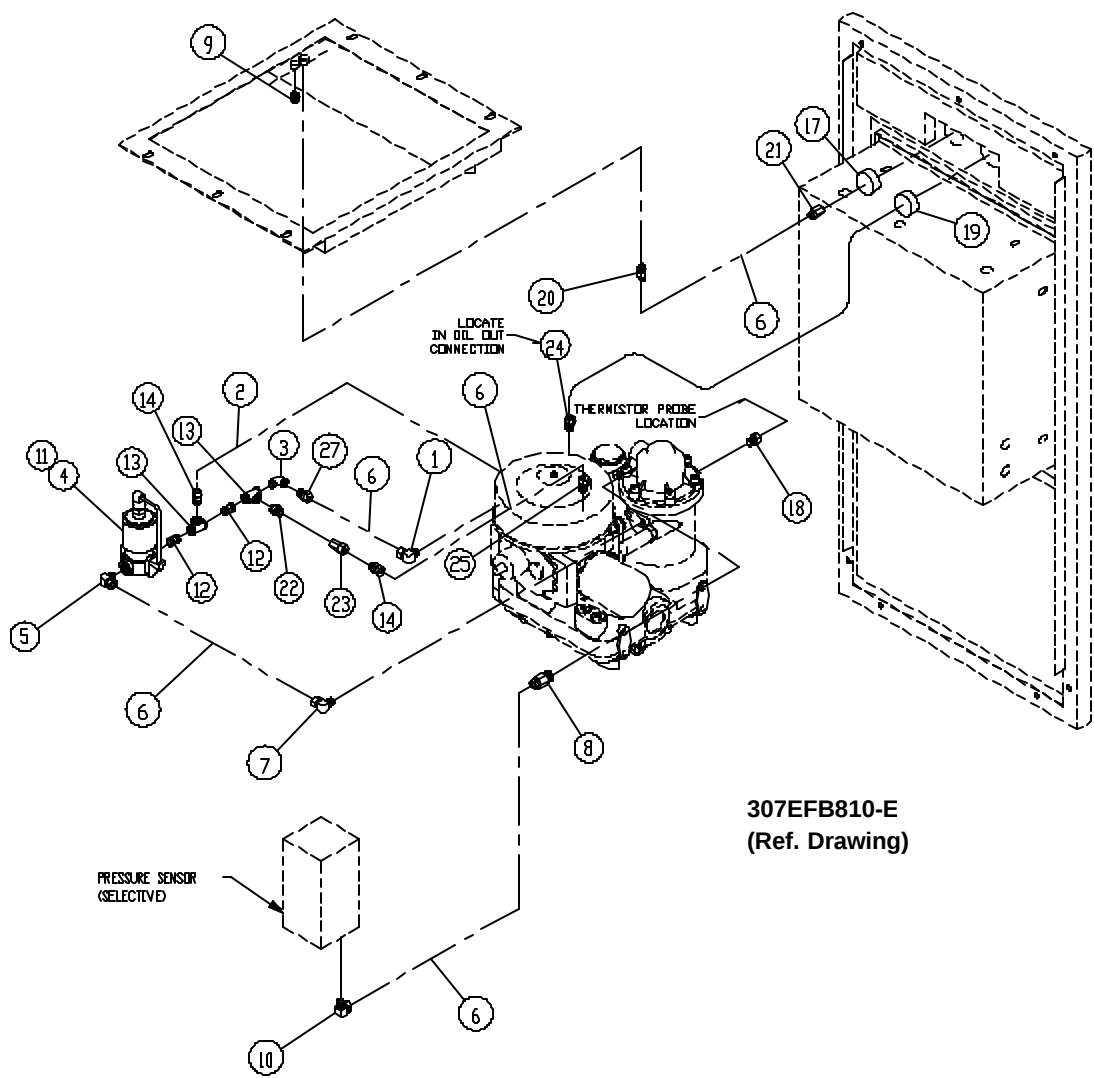
DRIVE GROUPS BY HORSEPOWER AND PRESSURE

Ref. No.	Drive Group 7.5 HP Name of Part	Qty.	100 PSIG 300EFB4004 Part No.	125 PSIG 301EFB4004 Part No.	150 PSIG 302EFB4004 Part No.	175 PSIG 303EFB4004 Part No.
1	BUSHING-SHEAVE ...	1	22F22SDS	22F22SDS	22F22SDS	22F22SDS
2	WASHER.....	4	95A3	95A3	95A3	95A3
3	LOCKWASHER.....	4	95B3	95B3	95B3	95B3
4	SCREW.....	4	655ED070	655ED070	655ED070	655ED070
5	NUT.....	4	50B3	50B3	50B3	50B3
6	SHEAVE.....	1	315EBA099	315EBA099	315EBA099	315EBA099
7	SHEAVE.....	1	310EBA099	311EBA099	308EBA099	312EBA099
8	FAN.....	1	300EFB701	300EFB701	300EFB701	300EFB701
9	SPACER.....	1	300EFB144	300EFB144	300EFB144	300EFB144
11	SCREW.....	3	655EC100	655EC100	655EC100	655EC100
12	LOCKWASHER.....	3	95B1	95B1	95B1	95B1
13	BELT-V.....	1	13AE51	13AE51	13AE51	13AE50

Ref. No.	Drive Group 10 HP Name of Part	Qty.	100 PSIG 304EFB4004 Part No.	125 PSIG 305EFB4004 Part No.	150 PSIG 306EFB4004 Part No.	175 PSIG 307EFB4004 Part No.
1	BUSHING-SHEAVE ...	1	22F22SDS	22F22SDS	22F22SDS	22F22SDS
2	WASHER.....	4	95A3	95A3	95A3	95A3
3	LOCKWASHER.....	4	95B3	95B3	95B3	95B3
4	SCREW.....	4	655ED070	655ED070	655ED070	655ED070
5	NUT.....	4	50B3	50B3	50B3	50B3
6	SHEAVE.....	1	317EBA099	317EBA099	317EBA099	317EBA099
7	SHEAVE.....	1	313EBA099	307EBA099	314EBA099	306EBA099
8	FAN.....	1	300EFB701	300EFB701	300EFB701	300EFB701
9	SPACER.....	1	300EFB144	300EFB144	300EFB144	300EFB144
11	SCREW.....	3	655EC100	655EC100	655EC100	655EC100
12	LOCKWASHER.....	3	95B1	95B1	95B1	95B1
13	BELT-V.....	1	13AE50	13AE50	13AE50	13AE49

Ref. No.	Drive Group 15 HP Name of Part	Qty.	100 PSIG 308EFB4004 Part No.	125 PSIG 309EFB4004 Part No.	150 PSIG 310EFB4004 Part No.	175 PSIG 311EFB4004 Part No.
1	BUSHING-SHEAVE ...	1	22F22SDS	22F22SDS	22F22SDS	22F22SDS
2	WASHER.....	4	95A3	95A3	95A3	95A3
3	LOCKWASHER.....	4	95B3	95B3	95B3	95B3
4	SCREW.....	4	655ED070	655ED070	655ED070	655ED070
5	NUT.....	4	50B3	50B3	50B3	50B3
6	SHEAVE.....	1	316EBA099	316EBA099	316EBA099	316EBA099
7	SHEAVE.....	1	310EBA099	311EBA099	308EBA099	312EBA099
8	FAN.....	1	300EFB701	300EFB701	300EFB701	300EFB701
9	SPACER.....	1	300EFB144	300EFB144	300EFB144	300EFB144
11	SCREW.....	3	655EC100	655EC100	655EC100	655EC100
12	LOCKWASHER.....	3	95B1	95B1	95B1	95B1
13	BELT-V.....	1	13AE51	13AE51	13AE51	13AE50

CONTROL MOUNTING AND PRESSURE RELIEF



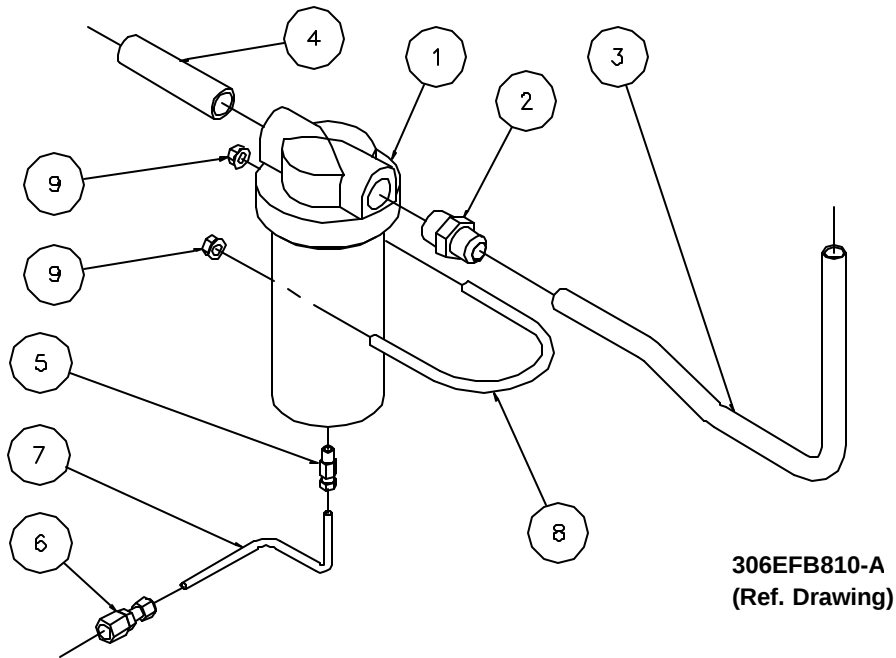
Order by Part Number and Description. Reference Numbers are for your convenience only.

CONTROL MOUNTING AND PRESSURE RELIEF

B/M: 300EFB4002

Ref. No.	Name of Part	Qty.	Part No.
1	ELBOW	1	86E59
2	HOSE-PLASTIC PER INCH.....	4	2117888
3	ELBOW	1	64D2G
4	VALVE-SOLENOID	1	91B70
5	ELBOW	1	86E60
6	TUBE (IN FEET)	12	85G3
7	ELBOW	1	86E59
8	CONNECTOR.....	1	86E4
9	PLUG	1	64AA5
10	ELBOW	1	86E60
11	NIPPLE	1	24CA4641
12	NIPPLE	2	63D1G
13	TEE.....	2	64G3G
14	ORIFICE.....	2	86N289
17	GAUGE-AIR PRESS	1	27P59
18	BUSHING-PIPE	1	64R12
19	GAUGE-TEMP.....	1	27P60
20	CONNECTOR.....	1	86E4
21	CONNECTOR-TUBE.....	1	86E27
22	VALVE-CHECK.....	1	90AR261
23	CONNECTOR-TUBE.....	1	64BK2
24	BUSHING-PIPE	1	64R12
25	CONNECTOR-TUBE.....	1	86E3
27	ORIFICE.....	1	86N290

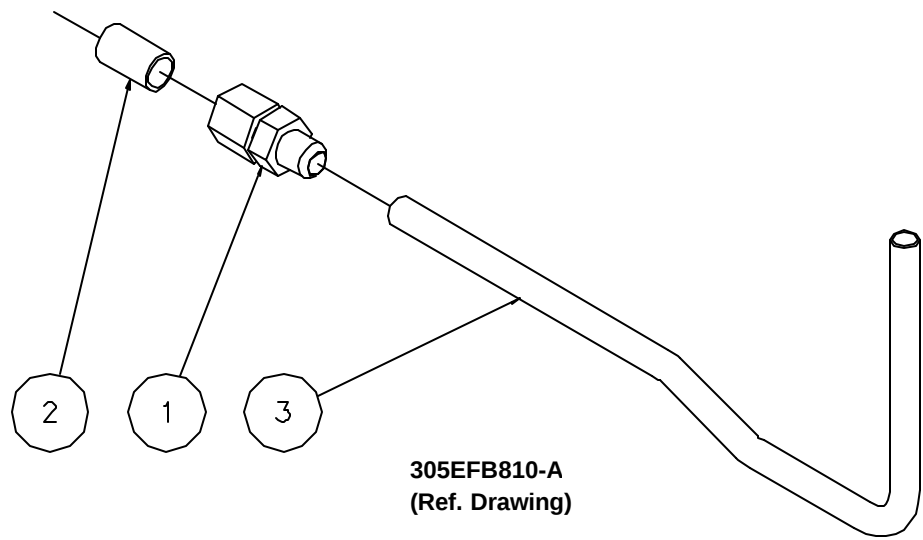
Order by Part Number and Description. Reference Numbers are for your convenience only.



FINAL DISCHARGE WITH MOISTURE SEPARATOR

B/M: 302EFB4023			
Ref. No.	Name of Part	Qty.	Part No.
1	SEPARATOR-MOISTURE	1	7000354
2	CONNECTOR-TUBE.....	1	86H137
3	TUBE WITH FITTINGS.....	1	303EFB863
4	NIPPLE	1	63G31G
5	CONNECTOR-TUBE.....	1	86E27
6	CONNECTOR.....	1	86N343
7	TUBE (IN FEET).....	1	85G3
8	U-BOLT.....	1	15U115
9	NUT	2	50AW5

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

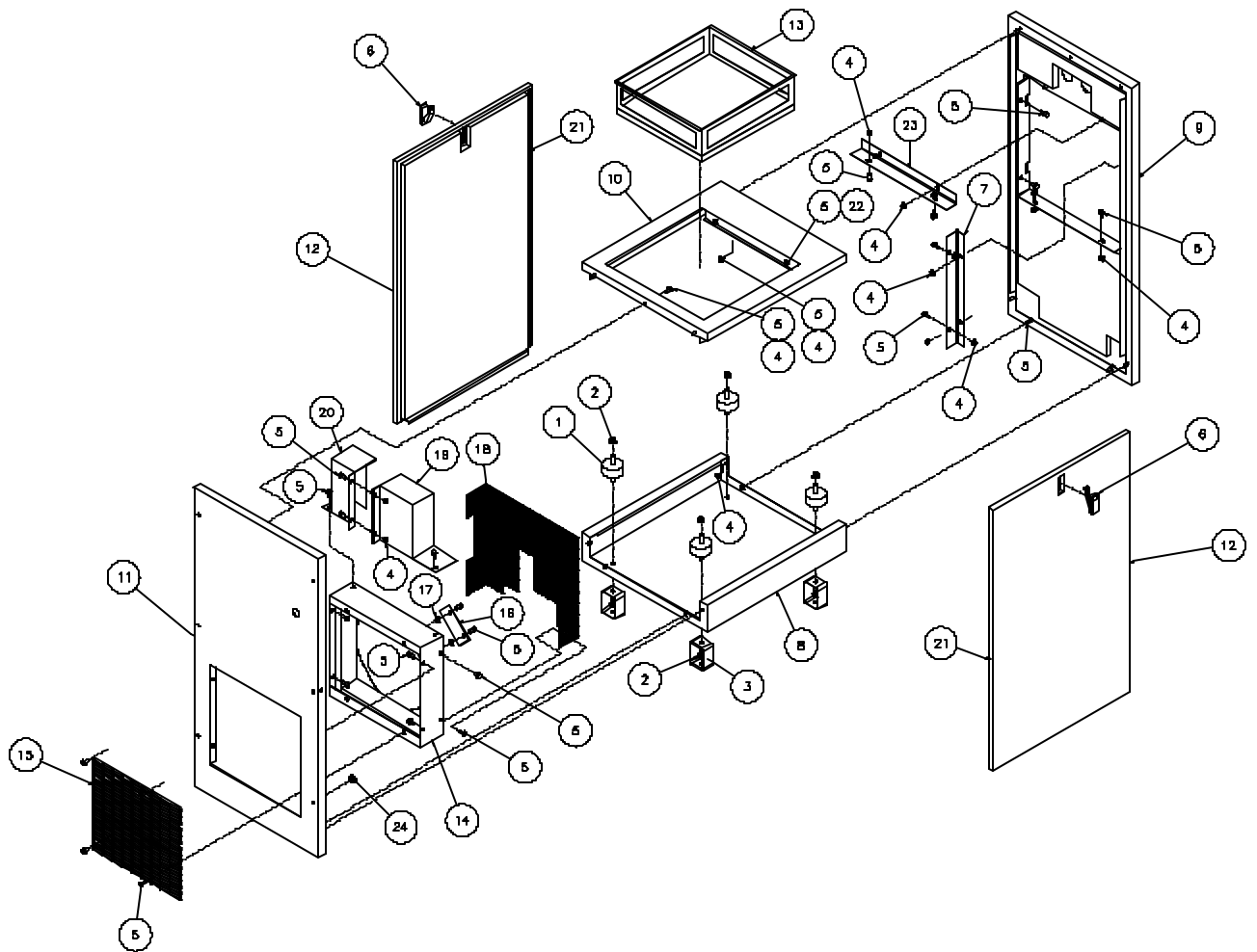


FINAL DISCHARGE LESS MOISTURE SEPARATOR

B/M: 301EFB4019

Ref. No.	Name of Part	Qty.	Part No.
1	FITTING-TUBE	1	86H146
2	NIPPLE	1	63G28G
3	TUBE-WITH FITTING.....	1	304EFB863

ENCLOSURE



303EFB810-E
(Ref. Drawing)

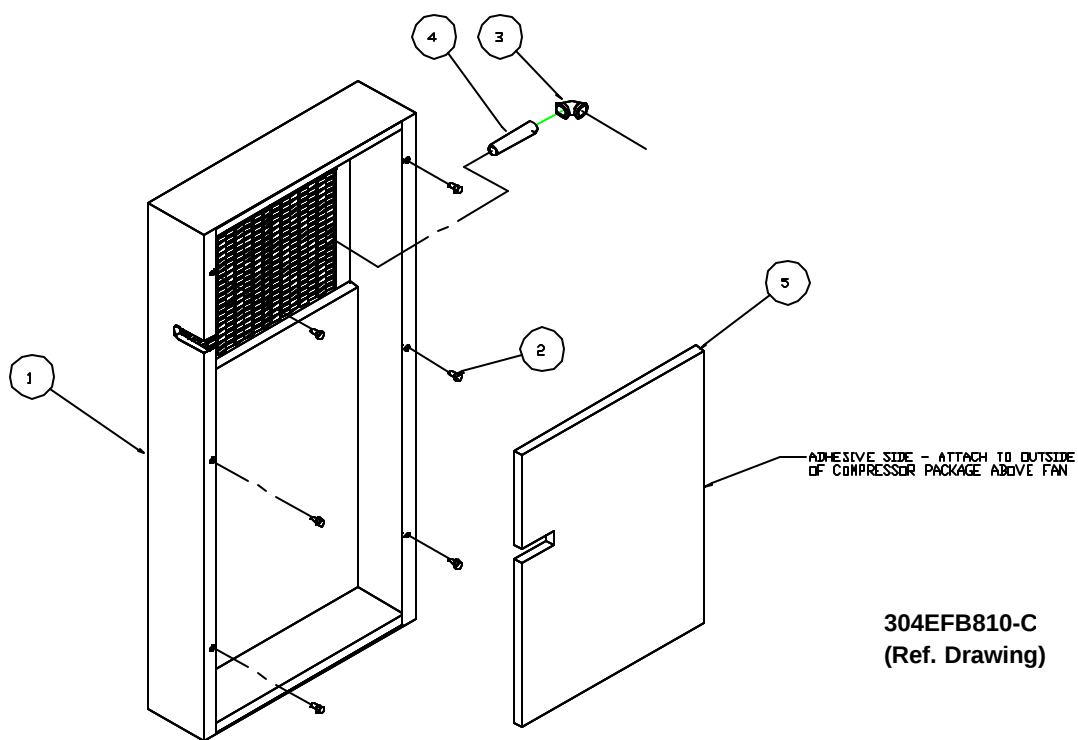
Order by Part Number and Description. Reference Numbers are for your convenience only.

ENCLOSURE

B/M: 300EFB4013
B/M: 300EFB4023

Ref. No.	Name of Part	Qty.	Part No.
1	VIBRATION ISOLATOR	4	49C105
2	NUT	8	50AW35
3	FOOT.....	4	300EVE166
4	NUT	22	50AW5
5	SCREW.....	44	75LM51
6	LATCH.....	2	31D51
7	BRACKET (FORMED).....	1	303EFB142
8	FRAME	1	300EFB314
9	FRAME	1	304EFB314
10	FRAME	1	303EFB314
11	FRAME	1	302EFB314
12	PANEL.....	2	300EFB216
13	BAFFLE	1	300EFB840
14	BAFFLE	1	301EFB840
15	GUARD-AUXILIARY	1	300EFB240
16	BRACKET (FORMED).....	1	308EVE142
17	WASHER	2	95A3
18	GUARD FAN.....	1	300EFB393
19	COVER	1	300EFB225
20	COVER	1	301EFB225
21	SEAL	20	32E12
22	WASHER	4	95A3
23	BRACKET (FORMED).....	1	304EFB142
24	PLUG	6	24A60

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



304EFB810-C
(Ref. Drawing)

QUIET BAFFLE

B/M: 301EFB4023

Ref. No.	Name of Part	Qty.	Part No.
1	BAFFLE	1	302EFB840
2	SCREW.....	6	75LM51
3	ELBOW	1	64C5
4	NIPPLE	1	63G8G
5	INSULATION.....	1	300EFB470

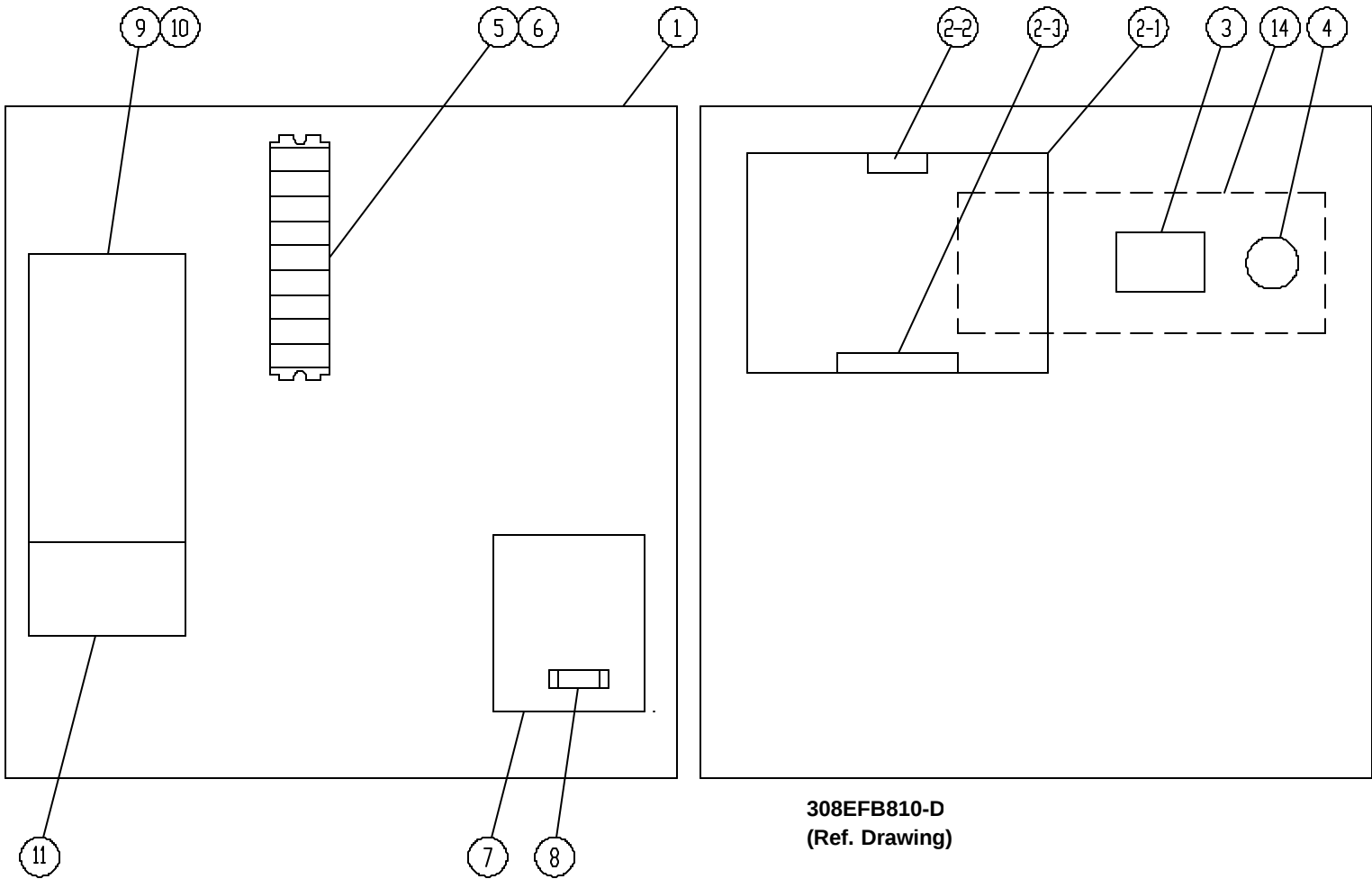
Order by Part Number and Description. Reference Numbers are for your convenience only

DECALS

		B/M: 305EFB4011	
Ref. No.	Name of Part	Qty.	Part No.
1	DECAL, DANGER (DO NOT BREATHE DISCHARGE AIR.....	1	305EFC077
2	DECAL (OIL FILTER ELEMENT - CHAMPION).....	1	316EBA077
3	DECAL, WARNING (ROTATING MACHINERY).....	2	307EFC077
4	DECAL, WARNING (UNIT CAN AUTO RESTART).....	1	306EFC077
5	DECAL, DANGER (DO NOT MODIFY W/O PERMISSION).....	1	309EFC077
6	DECAL, DANGER (AIR/OIL UNDER PRESSURE).....	1	308EFC077
8	DECAL ROTATION ARROW	1	304EFC077
9	DECAL (CHAMPION) ROTORCHAMP	1	310EBA077
10	DECAL OPERATION & MAINTENANCE	1	300EFB077
12	DECAL, DANGER INSIDE CONTROL BOX.....	1	311EFC077
16	DECAL (CHAMPION) LARGE.....	2	308EBA077

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

CONTROLLER ASSEMBLY



CONTROLLER ASSEMBLY – FULL VOLTAGE STARTER –7.5 HP

		QTY.	200V	230V	460V	575V
	NEMA 3R CONTROL BOX		300EFB466	300EFB466	300EFB466	300EFB466
	NEMA 4 CONTROL BOX		301EFB466	301EFB466	301EFB466	301EFB466
1	CONTROL/STARTER BOX (NEMA 3R)	1	300EFB179	300EFB179	300EFB179	300EFB179
	CONTROL/STARTER BOX (NEMA 4).....	1	301EFB179	301EFB179	301EFB179	301EFB179
2-1	EBA CONTROLLER.....	1	300EBA1173	300EBA1173	300EBA1173	300EBA1173
2-2	4 TERMINAL PLUG	1	24CA4823	24CA4823	24CA4823	24CA4823
2-3	6 TERMINAL PLUG	1	24CA4824	24CA4824	24CA4824	24CA4824
3	HOUR METER.....	1	24CA1994	24CA1994	24CA1994	24CA1994
4	SWITCH.....	1	24CA4826	24CA4826	24CA4826	24CA4826
5	BLOCK-TERMINAL.....	3	24CA2551	24CA2551	24CA2551	24CA2551
6	BLOCK-TERMINAL.....	1	24CA2552	24CA2552	24CA2552	24CA2552
7	TRANSFORMER	1	24CA4820	24CA4820	24CA4820	24CA4820
8	FUSE	1	24CA3725	24CA3725	24CA3725	24CA3725
9	CONTACTOR-RELAY	1	24CA2609	24CA2609	24CA2609	24CA2609
10	COIL-STARTER.....	1	2115950	2115950	2115950	2115950
11	RELAY	1	24CA4086	24CA4086	24CA4086	24CA4086
14	DECAL	1	300EBA077	300EBA077	300EBA077	300EBA077

Refer to Illustration on page 21.

CONTROLLER ASSEMBLY – FULL VOLTAGE STARTER –10 HP

		QTY.	200V	230V	460V	575V
	NEMA 3R CONTROL BOX		302EFB466	300EFB466	300EFB466	300EFB466
	NEMA 4 CONTROL BOX		303EFB466	301EFB466	301EFB466	301EFB466
1	CONTROL/STARTER BOX (NEMA 3R)	1	300EFB179	300EFB179	300EFB179	300EFB179
	CONTROL/STARTER BOX (NEMA 4).....	1	301EFB179	301EFB179	301EFB179	301EFB179
2-1	EBA CONTROLLER.....	1	300EBA1173	300EBA1173	300EBA1173	300EBA1173
2-2	4 TERMINAL PLUG	1	24CA4823	24CA4823	24CA4823	24CA4823
2-3	6 TERMINAL PLUG	1	24CA4824	24CA4824	24CA4824	24CA4824
3	HOUR METER.....	1	24CA1994	24CA1994	24CA1994	24CA1994
4	SWITCH.....	1	24CA4826	24CA4826	24CA4826	24CA4826
5	BLOCK-TERMINAL.....	3	24CA2551	24CA2551	24CA2551	24CA2551
6	BLOCK-TERMINAL.....	1	24CA2552	24CA2552	24CA2552	24CA2552
7	TRANSFORMER	1	24CA4820	24CA4820	24CA4820	24CA4820
8	FUSE	1	24CA3725	24CA3725	24CA3725	24CA3725
9	CONTACTOR-RELAY	1	24CA3258	24CA2609	24CA2609	24CA2609
10	COIL-STARTER.....	1	2116124	2115950	2115950	2115950
11	RELAY	1	24CA4087	24CA4086	24CA4086	24CA4086
14	DECAL	1	300EBA077	300EBA077	300EBA077	300EBA077

Refer to Illustration on page 21.

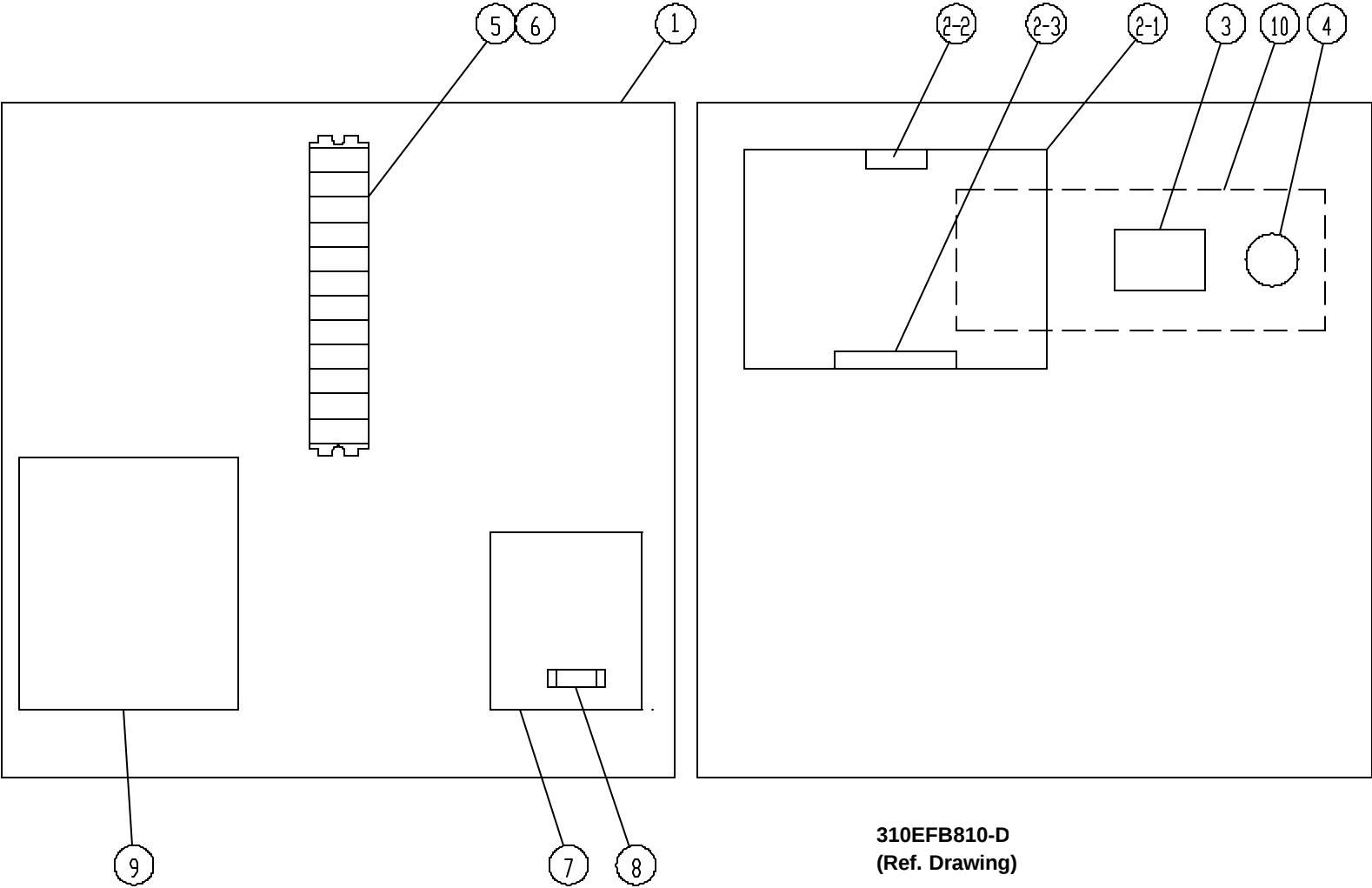
CONTROLLER ASSEMBLY – FULL VOLTAGE STARTER –15 HP

		QTY.	200V	230V	460V	575V
	NEMA 3R CONTROL BOX		302EFB466	302EFB466	300EFB466	300EFB466
	NEMA 4 CONTROL BOX		303EFB466	303EFB466	301EFB466	301EFB466
1	CONTROL/STARTER BOX (NEMA 3R)	1	300EFB179	300EFB179	300EFB179	300EFB179
	CONTROL/STARTER BOX (NEMA 4)	1	301EFB179	301EFB179	301EFB179	301EFB179
2-1	EBA CONTROLLER.....	1	300EBA1173	300EBA1173	300EBA1173	300EBA1173
2-2	4 TERMINAL PLUG	1	24CA4823	24CA4823	24CA4823	24CA4823
2-3	6 TERMINAL PLUG	1	24CA4824	24CA4824	24CA4824	24CA4824
3	HOUR METER.....	1	24CA1994	24CA1994	24CA1994	24CA1994
4	SWITCH.....	1	24CA4826	24CA4826	24CA4826	24CA4826
5	BLOCK-TERMINAL.....	3	24CA2551	24CA2551	24CA2551	24CA2551
6	BLOCK-TERMINAL.....	1	24CA2552	24CA2552	24CA2552	24CA2552
7	TRANSFORMER	1	24CA4820	24CA4820	24CA4820	24CA4820
8	FUSE	1	24CA3725	24CA3725	24CA3725	24CA3725
9	CONTACTOR-RELAY	1	24CA3258	24CA3258	24CA2609	24CA2609
10	COIL-STARTER.....	1	2116124	2116124	2115950	2115950
11	RELAY	1	24CA4087	24CA4087	24CA4086	24CA4086
14	DECAL	1	300EBA077	300EBA077	300EBA077	300EBA077

Refer to Illustration on page 21.

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

CONTROLLER ASSEMBLY – LESS MAIN MOTOR STARTER



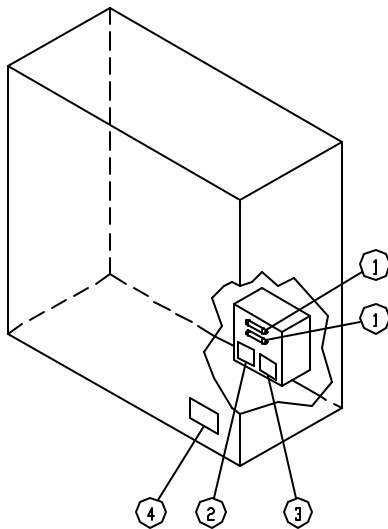
310EFB810-D
(Ref. Drawing)

CONTROLLER ASSEMBLY – LESS MAIN MOTOR STARTER

		QTY.	200V	230V	460V	575V
	NEMA 3R CONTROL BOX		308EFB466	308EFB466	308EFB466	308EFB466
	NEMA 4 CONTROL BOX		309EFB466	309EFB466	309EFB466	309EFB466
1	CONTROL/STARTER BOX (NEMA 3R)	1	300EFB179	300EFB179	300EFB179	300EFB179
	CONTROL/STARTER BOX (NEMA 4)	1	301EFB179	301EFB179	301EFB179	301EFB179
2-1	EBA CONTROLLER.....	1	300EBA1173	300EBA1173	300EBA1173	300EBA1173
2-2	4 TERMINAL PLUG	1	24CA4823	24CA4823	24CA4823	24CA4823
2-3	6 TERMINAL PLUG	1	24CA4824	24CA4824	24CA4824	24CA4824
3	HOUR METER.....	1	24CA1994	24CA1994	24CA1994	24CA1994
4	SWITCH.....	1	24CA4826	24CA4826	24CA4826	24CA4826
5	BLOCK-TERMINAL.....	4	24CA2551	24CA2551	24CA2551	24CA2551
6	BLOCK-TERMINAL.....	1	24CA2552	24CA2552	24CA2552	24CA2552
7	TRANSFORMER	1	24CA4820	24CA4820	24CA4820	24CA4820
8	FUSE	1	24CA3725	24CA3725	24CA3725	24CA3725
9	CONTACTOR-RELAY	1	24CA3896	24CA3896	24CA3896	24CA3896
10	DECAL.....	1	300EBA077	300EBA077	300EBA077	300EBA077

Refer to Illustration on page 25.

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

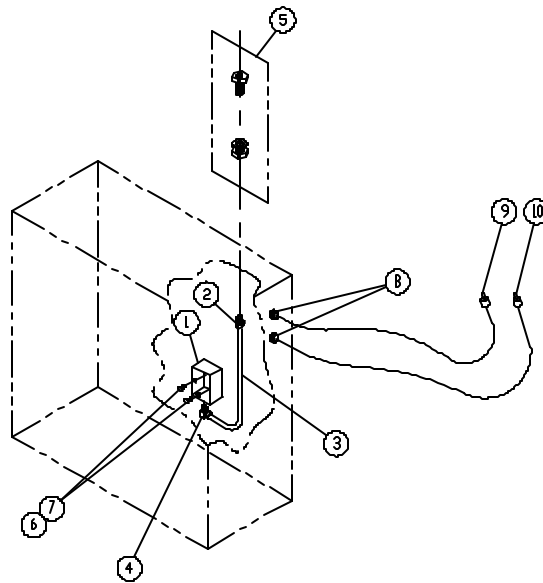


314EFB810-A
(Ref. Drawing)

FUSES AND DECALS (PER VOLTAGE)

Ref. No.	Name of Part	Qty.	B/M: 314EFB4007	B/M: 315EFB4007	B/M: 316EFB4007	B/M: 317EFB4007
			200V	230V	460V	575V
1	FUSE	2	24CA2786	24CA2785	24CA2782	24CA2781
2	DECAL	1	265AUX077	264AUX077	261AUX077	260AUX077
3	DECAL	1	297AUX077	297AUX077	297AUX077	297AUX077
4	MARKER-VOLTAGE...	1	69F50	69F51	69F52	69F60

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



320EFB810-A
(Ref. Drawing)

PRESSURE SWITCH

B/M: 321EFB4007

Ref. No.	Name of Part	Qty.	Part No.
1	SWITCH-PRESSURE	1	300EFB375
2	CONNECTOR.....	1	86E4
3	TUBE (IN FEET)	2	85G3
4	ELBOW-TUBE	1	86E193
5	COUPLING-PIPE.....	1	64EB368
6	SCREW.....	2	2009368
7	LOCKWASHER.....	2	95B14
8	FITTING.....	2	24CA2865
9	THERMISTOR PROBE	1	21D264
10	THERMISTOR PROBE	1	21D343

**MAIN MOTOR
(FULL VOLTAGE)**

Name of Part	7.5 HP (1800 RPM) Part No.	10 HP (3600 RPM) Part No.	15 HP (3600 RPM) Part No.
OPEN DRIP PROOF STANDARD EFFICIENCY (60 HZ – ODP)			
MOTOR, 200V	24AW6F2	24CA674F2	24CA675F2
MOTOR, 230V	24AW22F2	24CA678F2	24CA679F2
MOTOR, 460V	24AW22F2	24CA678F2	24CA679F2
MOTOR, 575V	24AW41F2	24CA681F2	24CA682F2
TOTALLY ENCLOSED STANDARD EFFICIENCY (60 HZ – TEFC)			
MOTOR, 200V	24CA4900	24CA4909	24CA4912
MOTOR, 230V	24CA4901	24CA4910	24CA4913
MOTOR, 460V	24CA4901	24CA4910	24CA4913
MOTOR, 575V	24CA4902	24CA4911	24CA4914
OPEN DRIP PROOF HIGH EFFICIENCY (60 HZ – ODP, HI-EFF)			
MOTOR, 200V	24CA4906	24CA4894	24CA4897
MOTOR, 230V	24CA4907	24CA4895	24CA4898
MOTOR, 460V	24CA4907	24CA4895	24CA4898
MOTOR, 575V	24CA4908	24CA4896	24CA4899
TOTALLY ENCLOSED HIGH EFFICIENCY (60 HZ – TEFC, HI-EFF))			
MOTOR, 200V	24CA4903	24CA4888	24CA4891
MOTOR, 230V	24CA4904	24CA4889	24CA4892
MOTOR, 460V	24CA4904	24CA4889	24CA4892
MOTOR, 575V	24CA4905	24CA4890	24CA4893

OVERLOAD RELAY HEATER CONVERSION LISTING

Refer to Motor nameplate "Amperage" and Decal in
Control Panel for Selection of Overload Relay Heater

CUTLER-HAMMER PART NUMBER	GARDNER DENVER PART NUMBER5
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

REPAIR KITS

Your Champion 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 Champion replacement parts and accessories.

Name of Part	Qty.	Part No.
ROUTINE MAINTENANCE KIT, Heavy Duty Air Filter		309EBA6013
ELEMENT, Air Filter	2	2117763
ELEMENT, Oil Filter	3	2117762
 PERIODIC MAINTENANCE KIT (Inlet Valve).....		EFC89555189
INLET VALVE SEAL REPAIR KIT	1	EFC03389010
SPRING.....	1	EFC03397308
BEARING		-----
SPRING.....		-----
 PERIODIC MAINTENANCE KIT (Minimum Pressure Valve)		301EBA6013
MAINTENANCE KIT (Minimum Pressure Valve).....	1	EFC89555599
O-RING	1	EFC85387979
 OIL SEPARATOR KIT	1	310EBA6013
OIL SEPARATOR.....	1	2117761
O-RING	1	EFC85387979
 MIXING VALVE ELEMENT REPAIR KIT		303EBA6013
MIXING VALVE ELEMENT.....	1	EFC89560169
O-RING	1	EFC85646299
 PNEUMATIC CONTROLS & GAUGES.....		300EFB6013
CHECK VALVE.....	1	EFC89597779
STRAINER.....	1	EFC85588619
GAUGE	1	27P59
CHECK VALVE.....	1	90AR261
GAUGE	1	27P60
 ELECTRICAL CONTROL KIT – NEMA 4 & NEMA 3R.....		301EFB6013
PRESSURE SWITCH.....	1	88A299
THERMISTOR PROBE.....	1	21D264
THERMISTOR PROBE.....	1	21D343
SOLENOID VALVE	1	91B70

REPAIR KITS (CONTINUED)

Name of Part	Qty.	Part No.
DRIVE SHAFT SEAL (Includes Wear Sleeve)		EFC89542409
LOCKING KEY FOR SHEAVE.....		EFC03476918
WEAR SLEEVE REMOVAL TOOL.....		EFC03477088
BARE AIREND REPAIR KIT		308EBA6013
AIREND.....	1	EFC03965238
GASKET.....	1	EFC03598208
O-RING	1	EFC89594469
O-RING	1	EFC89586739
PERIODIC OVERHAUL KIT, AIREND.....		304EBA6013
BUSHING.....	1	EFC03378108
BUSHING.....	1	EFC03378088
BEARING	1	EFC85387289
BEARING	1	EFC80057929
ROLLER BEARING.....	1	EFC85387569
ROLLER BEARING.....	1	EFC80180679
SPRING.....	2	EFC03378368
NIPPLE (Oil Filter).....	1	EFC03381588
ROLLER BEARING.....	1	EFC85386839
ROLLER BEARING.....	1	EFC85387439
SPRING PIN.....	2	EFC89512279
SPRING PIN.....	1	EFC85386559
GASKET.....	1	EFC03598208
O-RING	1	EFC89586739
LUBRICANT (RotorLub 4000)		
5-GALLON PAIL.....	1	28H166
55-GALLON DRUM	1	28H167
TOUCH-UP PAINT, White		
5-GALLON PAIL.....	1	28H76
1-GALLON CAN.....	1	28H84
1-QUART CAN.....	1	28H83



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Plants in Princeton IL, and Manteca, CA

Due to Champion's continuing product development program,
specification and materials are subject to change without
notice.