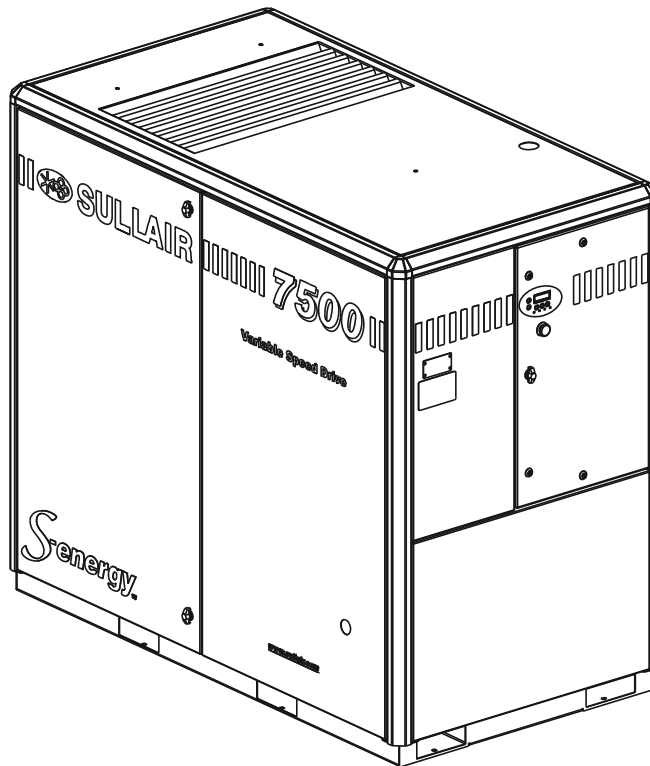


SULLAIR®

PARTS LIST MANUAL

**INDUSTRIAL AIR COMPRESSOR
4500P, 5500, 7500, 4500PV,
5500V, 7500V: 45, 55 & 75 KW:60, 75 & 100 HP**



WARRANTY NOTICE

Failure to follow the instructions and procedures in this manual or, misuse of this equipment will VOID its warranty!

PART NUMBER:

02250172-981-R00

**KEEP FOR
FUTURE
REFERENCE**

©SULLAIR CORPORATION

The information in this manual is current as of its publication date, and applies to compressor **serial number:**

200710010000

and all subsequent serial numbers.

AIR CARE SEMINAR TRAINING

Sullair Air Care Seminars are courses that provide hands-on instruction for the proper operation, maintenance, and servicing of Sullair products. Individual seminars on Industrial compressors and compressor electrical systems are offered at regular intervals throughout the year at Sullair's corporate headquarters training facility located at Michigan City, Indiana.

Instruction includes training on the function and installation of Sullair service parts, troubleshooting common faults and malfunctions, and actual equipment operation. These seminars are recommended for maintenance, contractor maintenance, and service personnel.

For detailed course outlines, schedule, and cost information contact:

Sullair Customer Care Training Department

TABLE OF CONTENTS

PAGE	SECTION	DESCRIPTION	PAGE	SECTION	DESCRIPTION
1	1.1	PROCEDURE FOR ORDERING PARTS	30	1.15	COOLING AND LUBRICATION SYSTEM - WATER-COOLED WITH REGULATOR VALVE
2	1.2	RECOMMENDED SERVICE PARTS LIST	32	1.16	COOLING AND LUBRICATION SYSTEM - WATER-COOLED WITH REGULATOR VALVE AND SOLENOID
4	1.3	COMPRESSOR, FRAME AND DRIVE	34	1.17	SUMP AND PIPING - 60-75HP / 45-55KW
8	1.4	AIR INLET SYSTEM	38	1.18	SUMP AND PIPING - 100HP / 75KW
10	1.5	AIR PIPING - AIR-COOLED 60-75HP / 45-55KW	40	1.19	SUMP TANK ASSEMBLY
12	1.6	AIR PIPING - AIR-COOLED 100HP / 75KW	42	1.20	MOISTURE DRAIN - STANDARD
14	1.7	AIR PIPING - WATER-COOLED	44	1.21	MOISTURE DRAIN - SCD
16	1.8	FLUID PIPING - AIR-COOLED	46	1.22	PNEUMATIC CONTROL
18	1.9	FLUID PIPING - WATER-COOLED STANDARD	50	1.23	PNEUMATIC CONTROL - STAINLESS STEEL WITH SEQUENCING
20	1.10	FLUID PIPING - WATER-COOLED WITH WATER REGULATOR	54	1.24	ELECTRICAL CONTROL ASSEMBLY
22	1.11	COOLING AND LUBRICATION SYSTEM - AIR-COOLED COOLER 60-75HP / 45-55KW	58	1.25	CONTROL STARTER - MFV
24	1.12	COOLING AND LUBRICATION SYSTEM - AIR-COOLED COOLER 100HP / 75KW	66	1.26	CONTROL STARTER - WYE-DELTA
26	1.13	COOLING AND LUBRICATION SYSTEM - WATER-COOLED STANDARD	74	1.27	CONTROL STARTER - VSD N12
28	1.14	COOLING AND LUBRICATION SYSTEM - WATER-COOLED WITH SOLENOID VALVE	80	1.28	ENCLOSURE - AIR-COOLED
			82	1.29	ENCLOSURE - WATER-COOLED
			86	1.30	DECALS
			94	1.31	DECAL LOCATIONS

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1.1 PROCEDURE FOR ORDERING PARTS

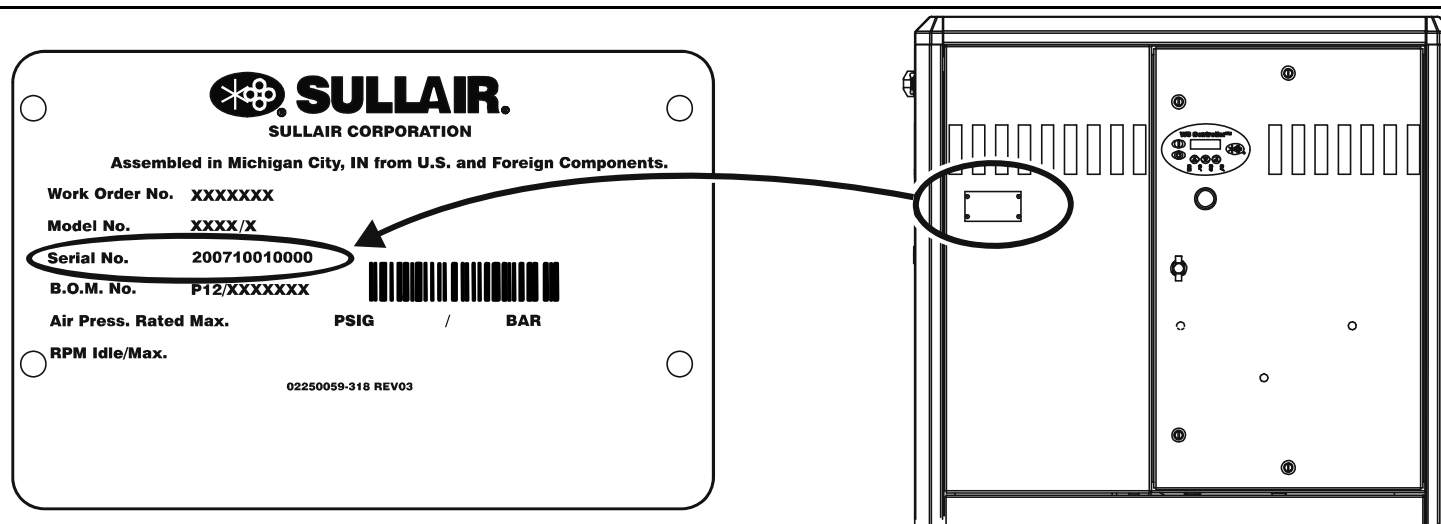
Parts should be ordered from the nearest Sullair Representative or the Representative from whom the compressor was purchased. If for any reason parts cannot be obtained in this manner, contact the factory directly at the address, phone numbers or fax numbers below.

When ordering parts always indicate the Serial Number of the compressor. This can be obtained from the Bill of Lading for the compressor or from the Serial Number Plate located on the compressor. See *Figure 1-1 Serial Plate / Serial Number Location*.

The genuine Sullair service parts listed meet or exceed the demands of this compressor. Use of replacement parts other than those approved by Sullair Corporation may lead to hazardous conditions over which Sullair Corporation has no control. Such conditions include, but are not limited to, bodily injury and compressor failure.

SULLAIR CORPORATION 3700 East Michigan Boulevard Michigan City, Indiana 46360 U.S.A www.sullair.com Telephone: 1-800-SULLAIR (U.S.A. only) Fax: 219-874-1273 CUSTOMER CARE for PARTS and SERVICE 1-888-SULLAIR (785-5247) 219-874-1835	SULLAIR ASIA, LTD. Sullair Road, No. 1 Chiwan, Shekuo Shenzhen, Guangdong PRV. PRC POST CODE 518068 Telephone: 755-6851686 Fax: 755-6853473 www.sullair-asia.com	SULLAIR EUROPE, S.A. Zone Des Granges BP 82 42602 Montbrison, France Telephone: 33-477968470 Fax: 33-477968499 www.sullaireurope.com	CHAMPION COMPRESSORS, LTD. Princess Highway Hallam, Victoria 3803 Australia Telephone: 61-3-9796-4000 Fax: 61-3-9703-8053 www.championcompressors.com.au
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Figure 1-1 Serial Plate / Serial Number Location



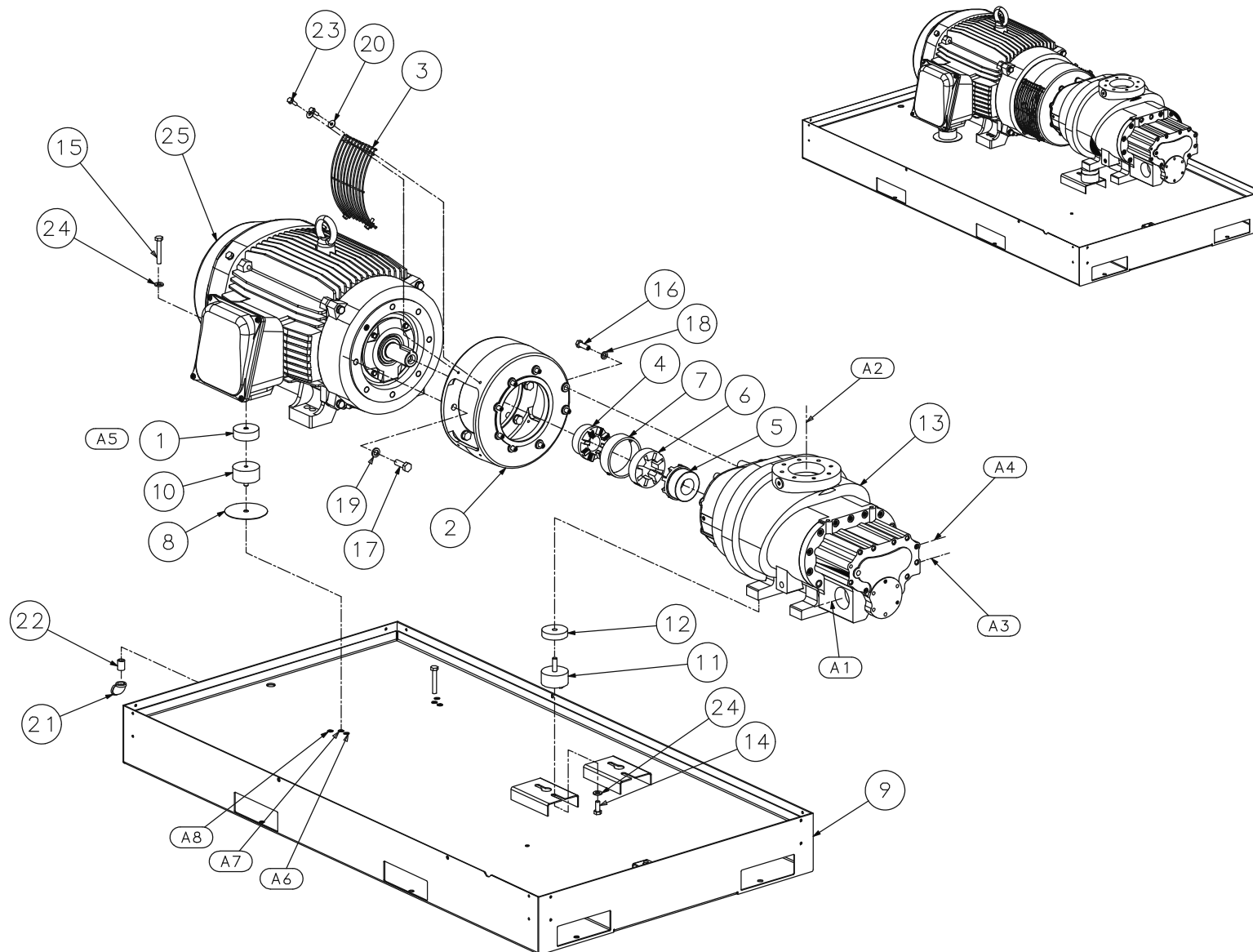
1.2 RECOMMENDED SERVICE PARTS LIST

KEY NO.	ORDER PART NO.	QTY	DESCRIPTION	NOTE
ELEMENTS				
1	02250168-084	1	element for compressor fluid filter 02250164-928	
2	02250168-053	1	element for air intake filter 02250164-930	
3	02250169-993	1	tank separators 02250160-774	Tank has two elements; needs one kit.
KITS				
4	02250125-376	1	vacuator valve air/filter 02250164-930	
5	250018-456	1	minimum pressure / check valve 02250109-817	Kit is for 100 hp / 75 kw machines.
6	02250110-727	1	minimum pressure / check valve 02250097-598	Kit is for 60-75 hp / 45-55 kw machines.
7	02250144-326	1	thermal valve 02250078-204	Kit is for standard model machines (185°F).
8	02250144-327	1	thermal valve 02250092-081	Kit is for ≥ 150 psi and 24KT model machines (195°F).
9	250019-453	1	pressure regulator 250017-280	
10	02250100-042	1	blowdown valve 02250100-042	
11	02250157-500	1	control solenoid valve 02250155-714	Kit is for service maintenance.
12	02250157-502	1	control solenoid valve 02250155-714	Coil replacement.
13	02250171-245	1	condensate drain solenoid valve 02250170-783	Kit is for service maintenance.
14	02250171-243	1	condensate drain solenoid valve 02250170-783	Coil replacement.
15	02250166-220	1	inlet valve 0250166-128	Kit is for seal service.
16	02250166-230	1	inlet valve 0250166-128	Kit is for rebuild service.
17	241772	1	v-type strainer 241771	
18	02250050-364	1	shaft seal	Kit is for service maintenance.
				Continued on page 3
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.2 RECOMMENDED SERVICE PARTS LIST (CONTINUED)

KEY NO.	ORDER PART NO.	QTY	DESCRIPTION	NOTE
19	602542-001	1	shaft seal	Kit contains installation tools.
20	02250117-782	2	scavenge line filter 02250117-782	Kit is for seal replacement.
21	02250166-758	1	separator trap 02250166-735	Kit is for seal replacement.
22	02250166-758	1	separator trap 02250166-736	Kit is for seal replacement.
23	02250171-245	1	strainer assembly for condensate drain 02250170-783	
24	02250171-102	1	hoses, air-cooled	
25	02250171-103	1	hoses, water-cooled	
FLUID				
26	250019-662		SRF 1/4000 lubricant (5 gal/19 liter container)	(I)
27	250022-669		Sullube (Std.) lubricant (5 gal/19 liter container)	(I)
28	02250051-153		24 KT lubricant (5 gal/19 liter container)	(I)
29	250029-008		Food Grade lubricant (5 gal/19 liter container)	(I)
(I) For proper amount of fluid fill, please consult Lubrication Guide in <i>Section 3, Specifications</i> in the User's Manual.				
CAUTION! Mixing of other lubricants within the compressor unit will void all warranties.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.3 COMPRESSOR, FRAME AND DRIVE



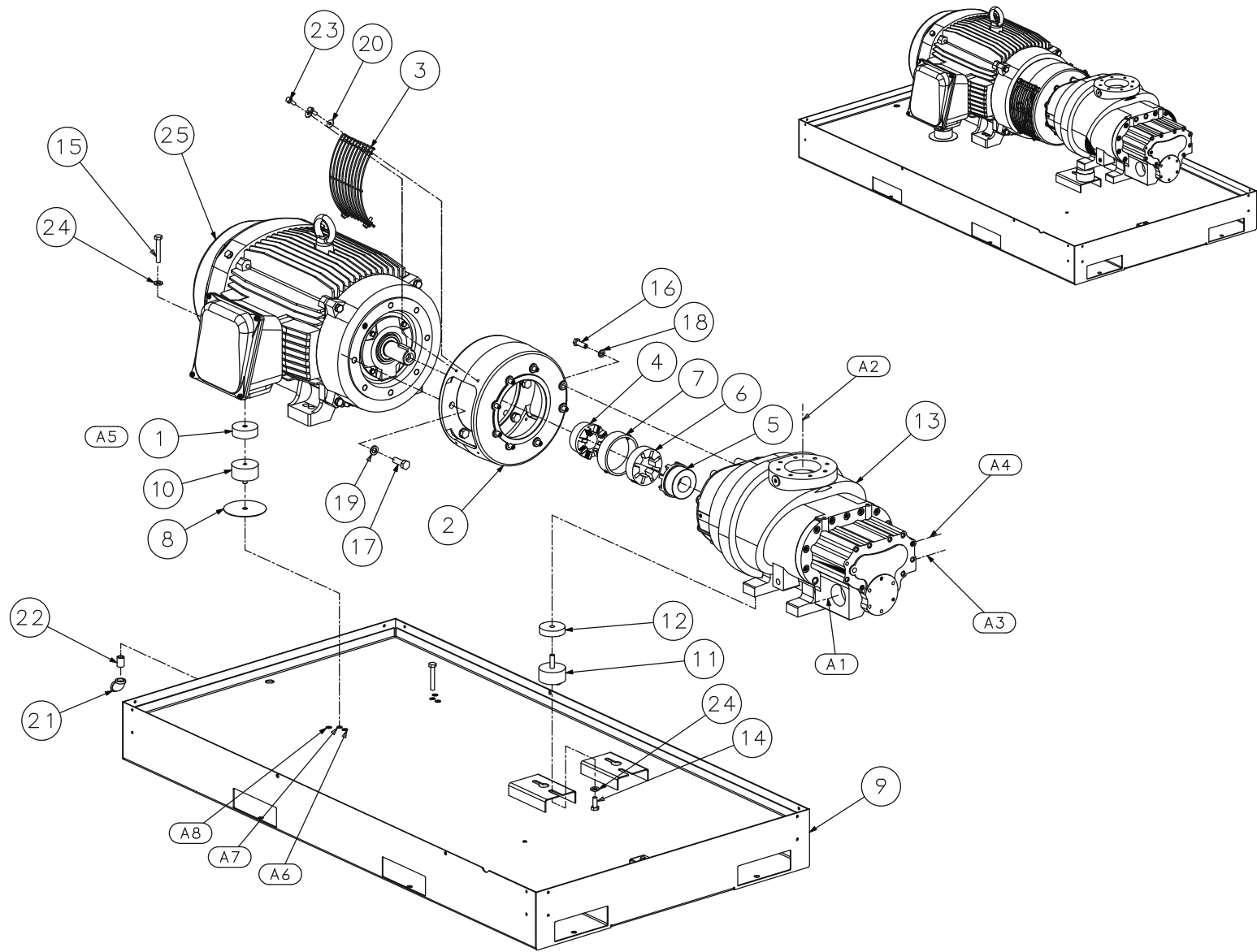
02250161-703R00

1.3 COMPRESSOR, FRAME AND DRIVE

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250151-499	2	spacer, air end shaft height 60hp	
2	02250151-630	1	adapter, compr/motor 50hp ma	
3	02250152-346	2	grille, coupling guard 50hp	
4	02250152-625	1	hub, coupling 1.875 bore 20r	
5	02250152-626	1	hub, coupling 1.9375 bore 20r	
6	02250152-670	1	element, cplg 20r	
7	02250152-678	1	cover, cplg element 20r	
8	02250156-393	2	plate, motor seal 3000/3700/4500	
9	02250161-606	1	frame, p16/18	
10	02250162-372	2	isolator, vibration ration p16/18	
11	02250162-373	2	isolator, vibration ration unit p16	
12	02250166-329	2	spacer, air end shaft height p16	
13	16 series unit	1	compr model, 16series_unit	(I)
14	828012-030	2	capscrew, hex 8.8 m12 x 30mm	
15	828012-075	2	capscrew, hex 8.8 m12 x 75mm	
16	829108-150	8	capscrew, hex gr5 1/2-13 x 1 1/2	
17	829110-175	8	capscrew, hex gr5 5/8-11 x 1 3/4	
18	837808-125	8	washer, spr lock reg pltd 1/2	
19	837810-156	8	washer, spr lock reg pltd 5/8	
20	865708-240	8	washer, iso 7093-8-140hv 45	
21	866215-020	1	elbow, pipe 90 deg plt 1/2"	
22	866408-000	1	nipple, pipe-xs plt 1/2 x cl	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
23	882608-025	8	screw, hex serr washer m8 x 25	
24	883212-254	4	washer, nord-lock pl m12 sp	
25	various	1	motor, main	(II)
Continued on page 7				
(I) Sullair offers an exchange program whereby a remanufactured compressor unit can be obtained from your authorized Sullair distributor. For shaft seal repairs, order service kit no. 02250050-364, and installation kit no. 602542-001.				
(II) This part may vary per machine design. Consult factory with machine serial number to determine the proper part number.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.3 COMPRESSOR, FRAME AND DRIVE (CONTINUED)

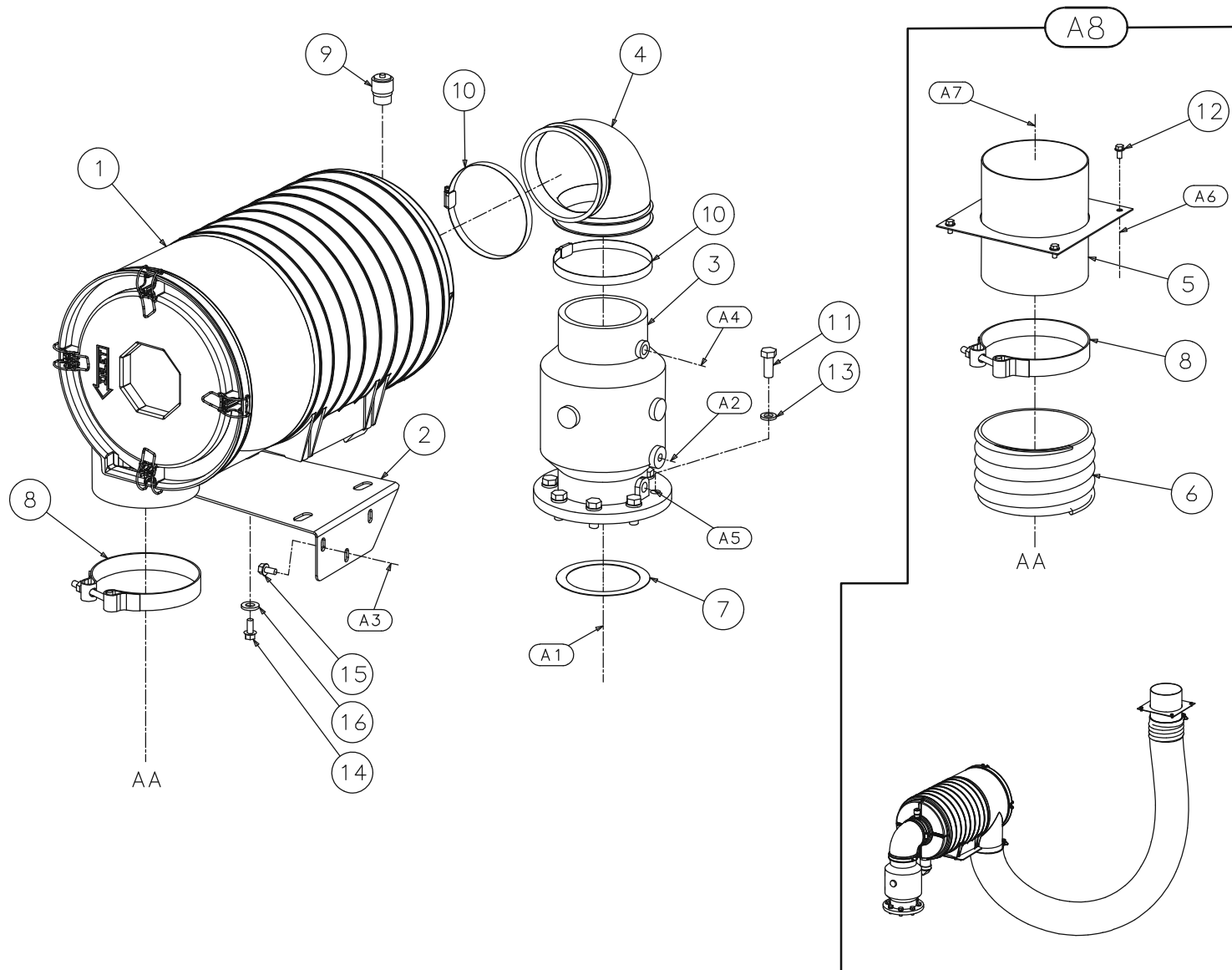


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1.3 COMPRESSOR, FRAME AND DRIVE (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
			A1: To receiver tank	
			A2: From air inlet filter	
			A3: Oil return scavenge line	
			A4: From unit main fluid correction	
			A5: Spacer not used on 75hp & 100hp 404 frame and larger	
			A6: Motor mounting holes 60hp- 364tsc odp/tefc	
			A7: Motor mounting holes 75hp- 365tsc odp/tefc & 100hp-365tsc odp	
			A8: Motor mounting holes 75hp & 100hp 404tsc odp/405tsc tefc	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.4 AIR INLET SYSTEM



02250171-927R00

1.4 INET FILTER

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250164-930	1	filter, air 5" 2 stg p16/18	(I)
2	02250165-320	1	plate, air filter mounting p16/18	
3	02250166-128	1	valve, inlet 4" p16 low pilot pres	(II)
4	02250167-063	1	elbow, rub 90 130mm id	
5	02250171-940	1	adapter, air inlet remote 6" p16/18	
6	02250171-948	7	hose, flexible 6" id vacuum rated	
7	40708	1	gasket, 1/32 x 5 1/4 od x 4 1/8 id	
8	242000	2	clamp, t-bolt ss band 6.00" id	
9	250003-869	1	indicator, restriction 20" h20	
10	408153	2	clamp, hose 6" dia worm drive	
11	829108-125	8	capscrew, hex gr5 1/2-13 x 1 1/4	
12	834504-050	4	screw, self-drill 1/4 x 1/2	
13	837808-125	8	washer, spr lock reg pltd 1/2	
14	882608-020	4	screw, hex serr washer m8 x 20	
15	883008-016	3	screw, tf-hex m8 x 16 blk zinc	
16	883212-254	4	washer, nord-lock pl m12 sp	
A1: To air inlet on compressor unit				
A2: To unload solenoid valve				
A3: Mounts to bracket on receiver tank				
A4: From blowdown valve orifice				
A5: From blowdown valve				
A6: To roof panel				

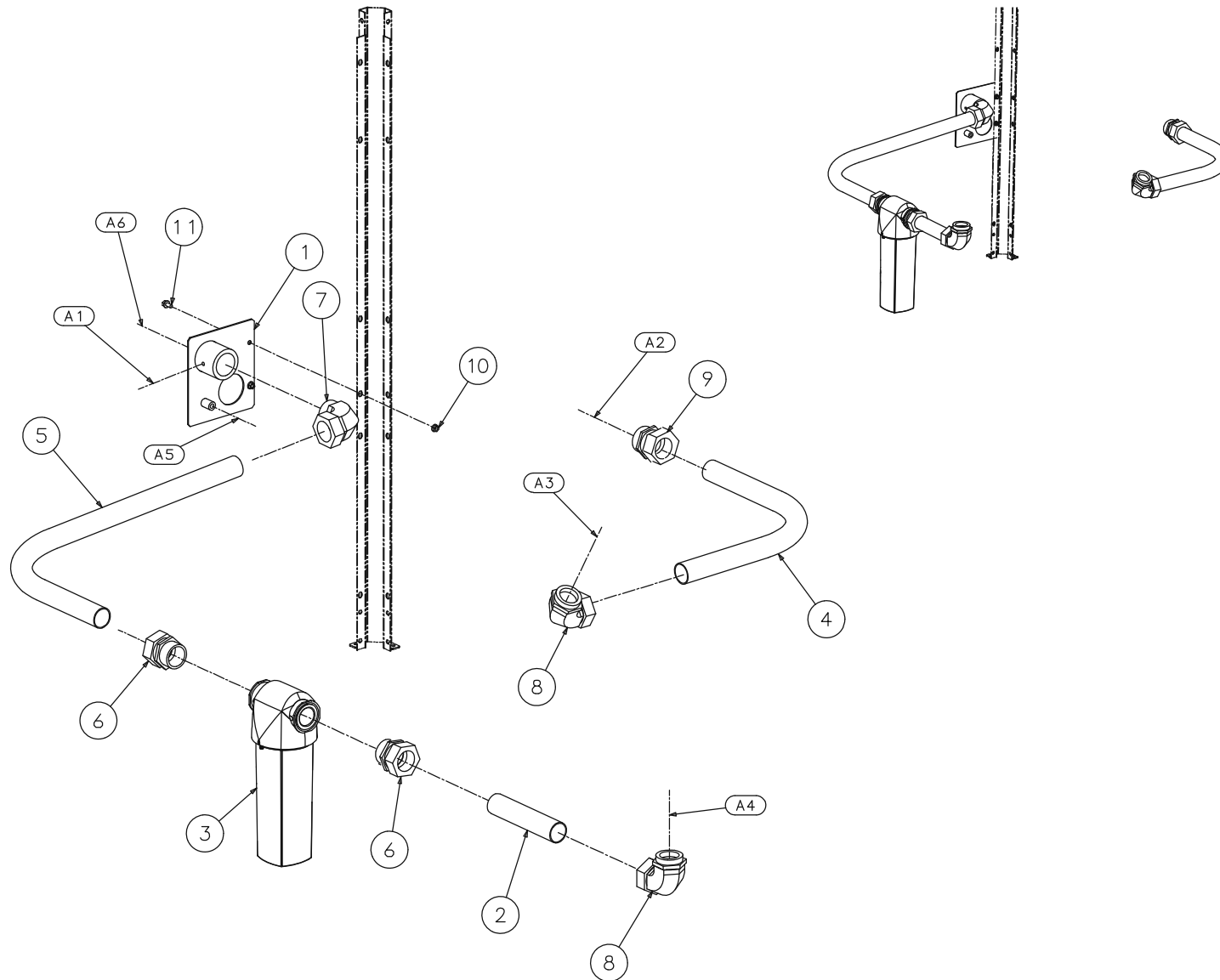
KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
A7: To cutout in roof panel				
A8: Remote model				
(I) For maintenance on air filter no. 02250164-930, order air filter element assembly no. 02250168-053.				
(II) For maintenance on inlet valve assembly no 02250166-128, order seal kit no. 02250166-220, or inlet rebuild kit no. 02250166-230.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.5 AIR PIPING - AIR-COOLED 60-75HP/45-55KW

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250156-803	1	tube, cooler out-trap in ws37 1.5"	
2	02250164-208	1	support, outlet conn 2"npt p16/18	
3	02250166-735	1	separator, water scws-740n 1 1/2" l/ad	(I)
4	02250168-270	1	tube, mpv-aftclr 1.5" p16 75hp	
5	02250168-271	1	tube, water sep-out 1.5" p16 75hp	
6	810224-150	2	connector, tube-m 1 1/2 x 1 1/2	
7	810524-150	1	elbow, tube 90 deg m 1 1/2 x 1 1/2	
8	811624-188	2	elbow, tube str thrd 1 1/2 x 1 7/8	
9	811824-188	1	connector, tube str thd 1 1/2 x 1 7/8	
10	867108-060	1	bushing, red pltd 2 x 1 1/2	
11	882508-125	2	nut, serr flng m8 x 1.25	
12	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
A1: Package discharge pressure p2				
A2: To aftercooler				
A3: From minimum pressure valve				
A4: From aftercooler				
A5: From moisture drain				
A6: Customer air out connection				
(I) For maintenance on water separator trap no. 02250166-735, order seal replacement no. 02250166-758.				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.6 AIR PIPING - AIR-COOLED 100HP/75KW



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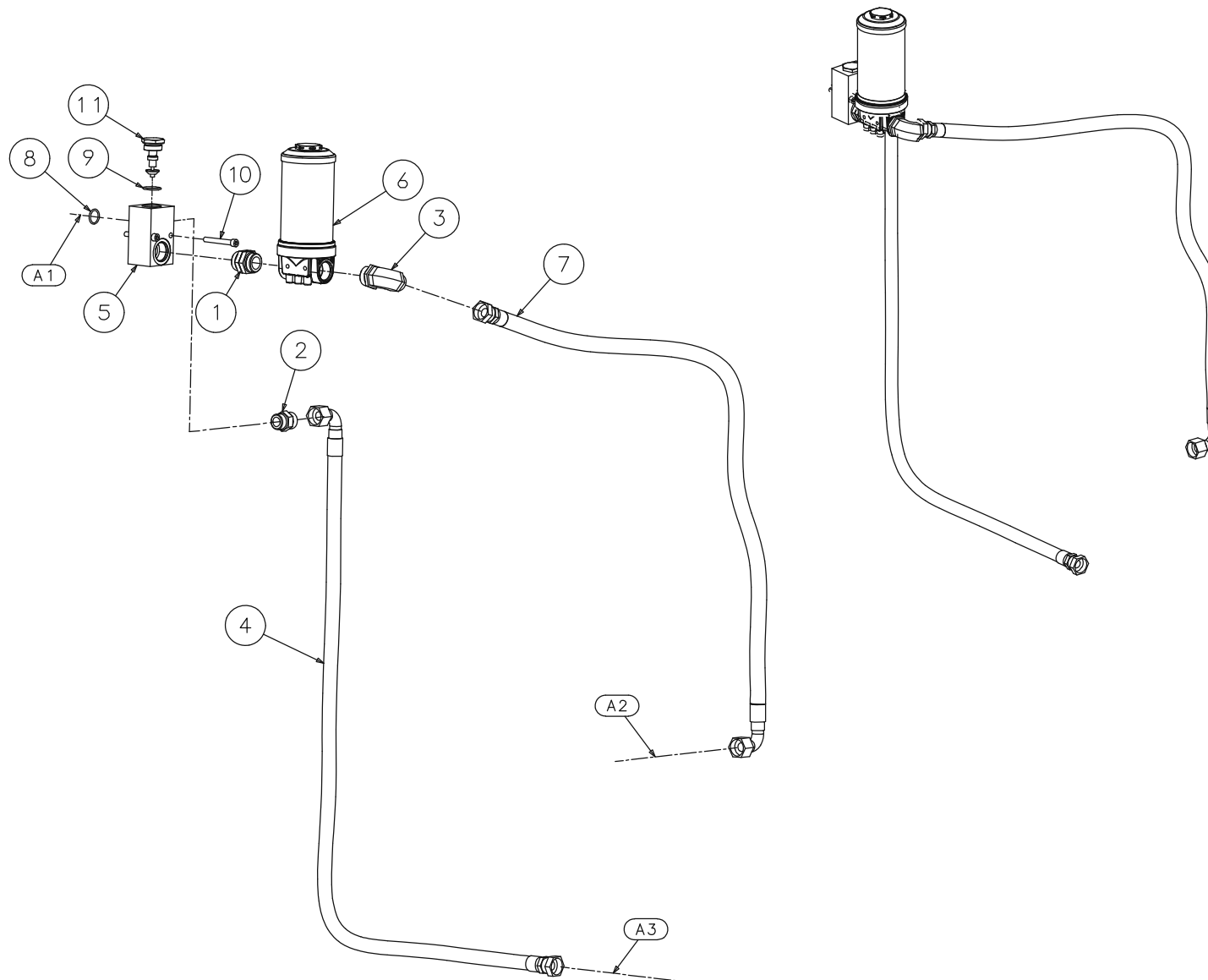
1.6 AIR PIPING - AIR-COOLED 100HP/75KW

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250164-208	1	support, outlet conn 2"npt p16/18	
2	02250164-909	1	tube,2" aftclr-trap 5600/7500	
3	02250166-736	1	separator, water scws-740n 2" l/ad	(I)
4	02250172-507	1	tube, 2" mpv-clr 100hp p16 ac	
5	02250172-508	1	tube, 2" sep-out p16 100hp ac	
6	810232-200	2	connector, tube-m 2 x 2	
7	810532-200	1	elbow, tube 90 deg m 2 x 2	
8	811632-250	2	elbow, tube str thrd 2 x 2 1/2	
9	811832-250	1	connector, tube str thd 2 x 2 1/2	
10	882508-125	2	nut, serr flng m8 x 1.25	
11	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
A1: Package discharge pressure p2				
A2: To aftercooler				
A3: From minimum pressure valve				
A4: From aftercooler				
A5: From moisture drain				
A6: Customer air out connection				
(I) For maintenance on water separator trap no. 02250166-736, order seal replacement no. 02250166-758.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.7 AIR PIPING - WATER-COOLED

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250164-208	1	support, outlet conn 2"npt p16/18	
2	02250166-736	1	separator, water scws-740n 2" l/ad	(I)
3	02250168-013	1	tube, mpv to aftrclr p16/18 wc	
4	02250168-014	1	tube, disch p16/18 wc	
5	810532-200	3	elbow, tube 90 deg m 2 x 2	
6	811832-250	1	connector, tube str thd 2 x 2 ½	
7	866215-080	1	elbow, pipe 90 deg plt 2"	
8	866332-025	1	nipple, pipe pltd 2 x 2 1/2	
9	866332-040	1	nipple, pipe pltd 2 x 4	
10	882508-125	2	nut, serr flng m8 x 1.25	
11	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
A1: From minimum pressure check valve				
A2: Customer air out 2" npt connection				
A3: Transducer				
(I) For maintenance on water separator trap no. 02250166-736, order seal replacement no. 02250166-758.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.8 FLUID PIPING - AIR-COOLED



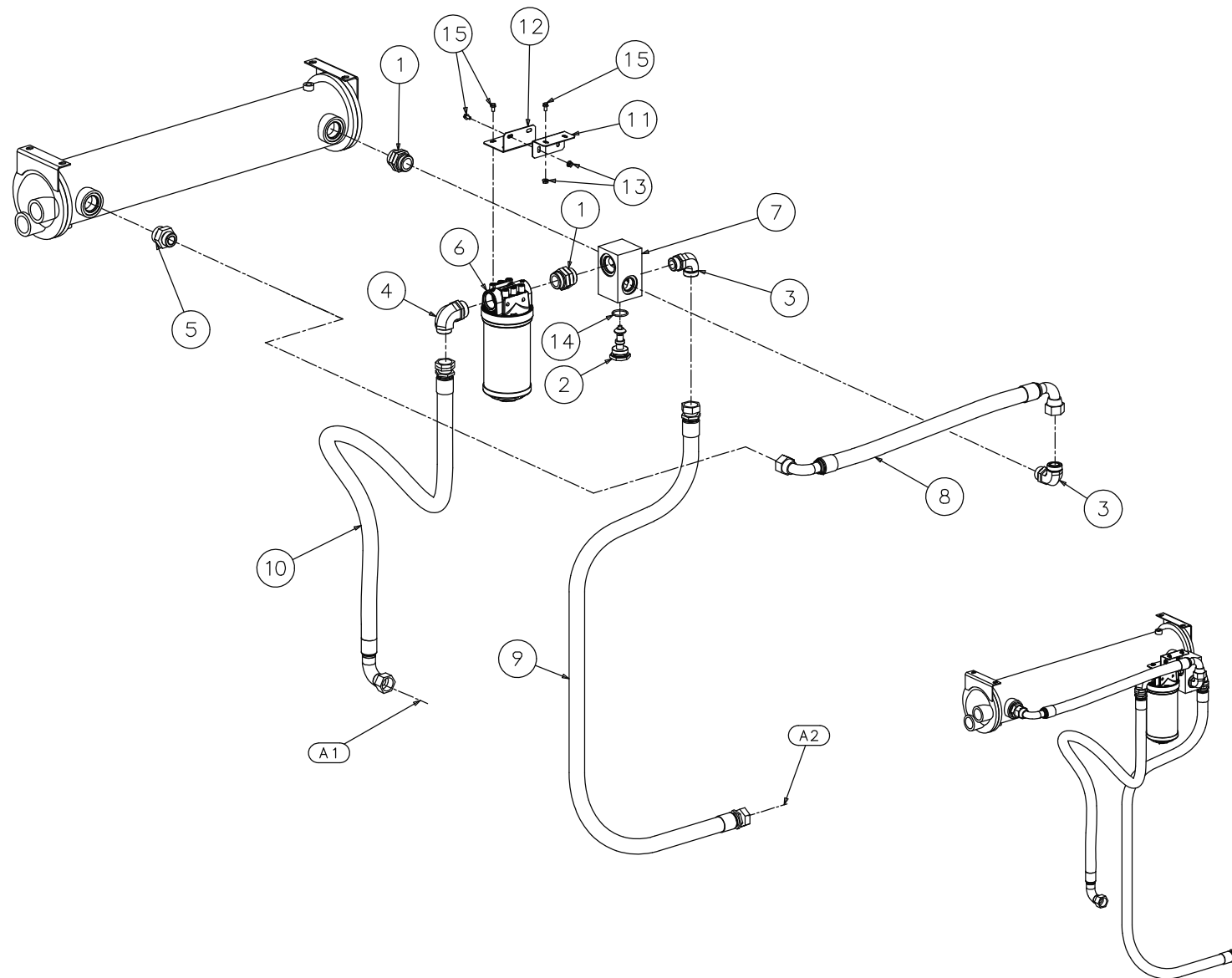
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1.8 FLUID PIPING - AIR-COOLED

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250055-015	1	adapter, sae 1 5/8-12 x 1 5/8-12	
2	02250087-067	1	connector, sae x orfs 1.00"	
3	02250093-804	1	elbow, 90 sae x orfs 1.25 x 1.00"	
4	02250135-593	1	hose, medium pressure orfs f-swvl 1"x64"lg	(I)
5	02250164-209	1	block, thermal valve p16/18	
6	02250164-928	1	filter, fluid coreless 1"sae p16/18	(II)
7	02250168-058	1	hose, medium pressure orfs f-swvl 1" x 67"lg	(I)
8	826502-215	2	o-ring, viton 1 1/16 x 1/8"	
9	826502-219	1	o-ring, viton 1 5/16 x 1/8"	
10	874510-080	2	screw, socket iso m10 x 80mm pc 12.9	
11	various	1	valve, thermal	(III)
A1: To cooler				
A2: To compressor unit				
A3: From receiver				
(I) For hose maintenance order air-cooled service kit no. 02250171-102.				
(II) For maintenance on fluid filter no. 02250164-928, order replacement element no. 0250168-084.				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
(III) For maintenance on 185°F thermal valve (standard Sullube) no. 02250078-204, order service kit no. 02250144-326; For maintenance on 195°F thermal valve (24KT or ≥ 150 psig) no. 02250092-081, order service kit no. 02250144-327.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.9 FLUID PIPING - WATER-COOLED STANDARD



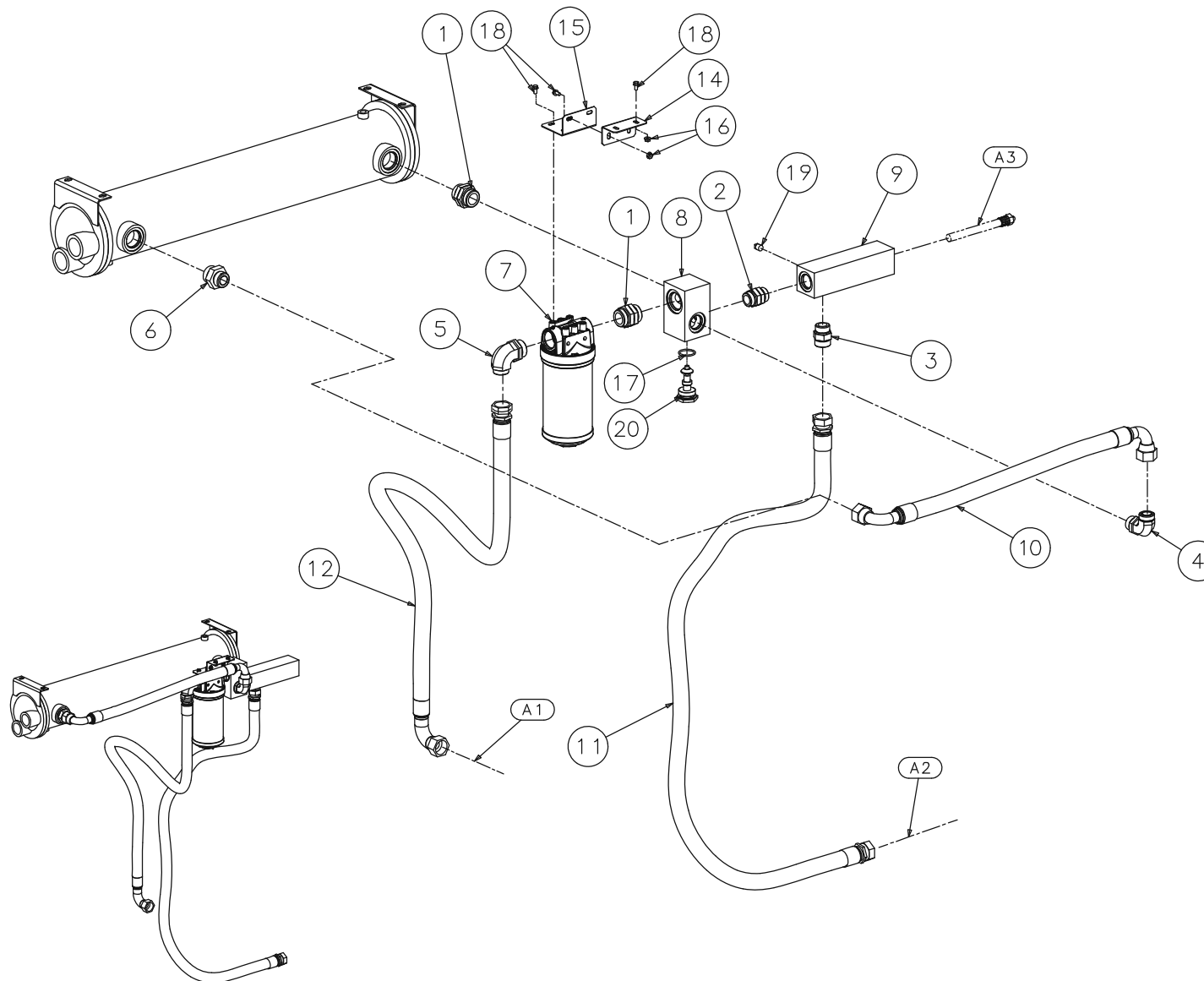
02250167-758R03

1.9 FLUID PIPING - WATER-COOLED STANDARD

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250055-015	2	adapter, sae 1 5/8-12 x 1 5/8-12	
2	02250078-204	1	valve, thermal 185 deg f es11	(I)
3	02250087-070	2	elbow, 90 sae x orfs 1.00"	
4	02250093-804	1	elbow, 90 sae x orfs 1.25 x 1.00"	
5	02250093-806	1	connector, sae x orfs 1.00" x 1.25"	
6	02250164-928	1	filter, fluid coreless 1"sae p16/18	(II)
7	02250168-000	1	housing, thermal valve p16/18 w/c	
8	02250168-056	1	hose, medium pressure orfs f-swvl 1" x 31"lg	(III)
9	02250168-057	1	hose, medium pressure orfs f-swvl 1" x 70"lg	(III)
10	02250168-058	1	hose, medium pressure orfs f-swvl 1" x 67"lg	(III)
11	02250172-559	1	support, oil filter top wc p16/18	
12	02250172-560	1	support, oil filter btm wc p16/18	
13	825304-236	4	nut, hex f pltd 1/4-20	
14	826502-219	1	o-ring, viton 1 5/16 x 1/8"	
15	829704-050	8	screw, hex ser washer 1/4-20 x 1/2	
A1: To unit injection				
A2: From receiver tank				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
(I) For maintenance on 185°F thermal valve (standard Sullube) no. 02250078-204, order service kit no. 02250144-326; For maintenance on 195°F thermal valve (24KT or ≥ 150 psig) no. 02250092-081, order service kit no. 02250144-327.				
(II) For maintenance on fluid filter no. 02250164-928, order replacement element no. 02250168-084.				
(III) For hose maintenance, order water-cooled service kit no. 02250171-103.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.10 FLUID PIPING - WATER-COOLED WITH WATER REGULATOR



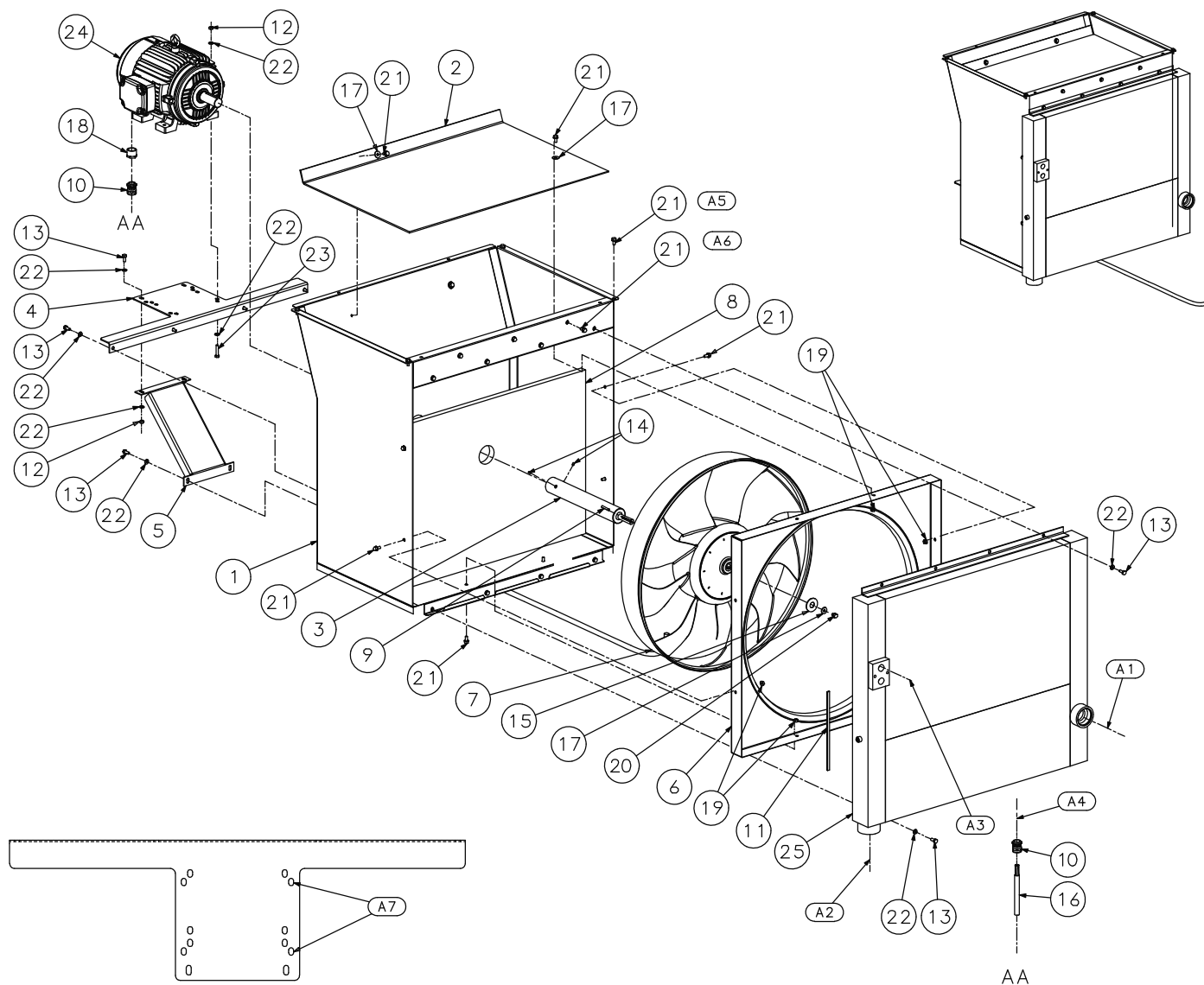
02250171-106R01

1.10 FLUID PIPING - WATER-COOLED WITH WATER REGULATOR

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250055-015	2	adapter, sae 1 5/8-12 x 1 5/8-12	
2	02250086-022	1	adapter, sae 1 5/16 x 1 5/16-12	
3	02250087-067	1	connector, sae x orfs 1.00"	
4	02250087-070	1	elbow, 90 sae x orfs 1.00"	
5	02250093-804	1	elbow, 90 sae x orfs 1.25 x 1.00"	
6	02250093-806	1	connector, sae x orfs 1.00" x 1.25"	
7	02250164-928	1	filter, fluid coreless 1"sae p16/18	(I)
8	02250168-000	1	housing, thermal valve p16/18 w/c	
9	02250168-001	1	tee, sae 1-5/16"/npt 1/2" p16/18 wtr reg vlv op	
10	02250168-056	1	hose, medium pressure orfs f-swvl 1" x 31"lg	(II)
11	02250168-057	1	hose, medium pressure orfs f-swvl 1" x 70"lg	(II)
12	02250168-058	1	hose, medium pressure orfs f-swvl 1" x 67"lg	(II)
13	02250172-501	1	cooler, oil/water 6x36 1-5/8"sae	
14	02250172-559	1	support, oil filter top wc p16/18	
15	02250172-560	1	support, oil filter btm wc p16/18	
16	825304-236	4	nut, hex f pltd 1/4-20	
17	826502-219	1	o-ring, viton 1 5/16 x 1/8"	
18	829704-050	8	screw, hex ser washer 1/4-20 x 1/2	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
19	866900-010	1	plug, pipe 1/4" 3000# stl plt	
20	various	1	valve, thermal	(III)
A1: To unit injection				
A2: From receiver tank				
A3: Water regulator valve probe location				
(I) For maintenance on fluid filter no. 02250164-928, order replacement element no. 02250168-084.				
(II) For hose maintenance, order service kit no. 02250171-103.				
(III) For maintenance on 185°F thermal valve (standard Sullube) no. 02250078-204, order service kit no. 02250144-326; For maintenance on 195°F thermal valve (24KT or ≥ 150 psig) no. 02250092-081, order service kit no. 02250144-327.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.11 COOLING AND LUBRICATION SYSTEM - AIR-COOLED COOLER 60-75HP/45-55KW



02250169-194R00

**1.11 COOLING AND LUBRICATION SYSTEM - AIR-COOLED
COOLER 60-75HP/45-55KW**

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250161-610	1	duct, centrifugal fan p16/18	
2	02250161-614	1	guard, fan discharge p16/18	
3	02250165-576	1	drive, shaft fan p16/18	
4	02250166-232	1	support, fan motor top p16/18	
5	02250166-233	1	support, fan motor bottom brace	
6	02250167-395	1	adapter, air duct p16/18	
7	02250168-022	1	fan, cooling assy nine blade p16/18	
8	02250171-130	1	insulation, foam 1" 635 x 898 p16/18	(I)
9	02250171-629	1	key, square m6 x 40mm p16 axial fan	
10	250018-497	2	grip, cord for so 12/4 st 3/4"	
11	250022-436	6 ft	weatherstrip, 3/16 x 3/8	
12	825908-125	6	nut, hex metric m8 x 1.25	
13	828008-020	16	capscrew, hex 8.8 m8 x 20mm	
14	832204-031	2	screw, set cup 1/4-20 x 5/16	
15	838212-112	1	washer, pl-b reg pltd 3/4	
16	850604-012	10ft	wire, neoprene #12-4 so	
17	865708-240	5	washer, iso 7093-8-140hv	
18	867104-030	1	bushing, red pltd 1 x 3/4	
19	882508-125	8	nut, serr flng m8 x 1.25	

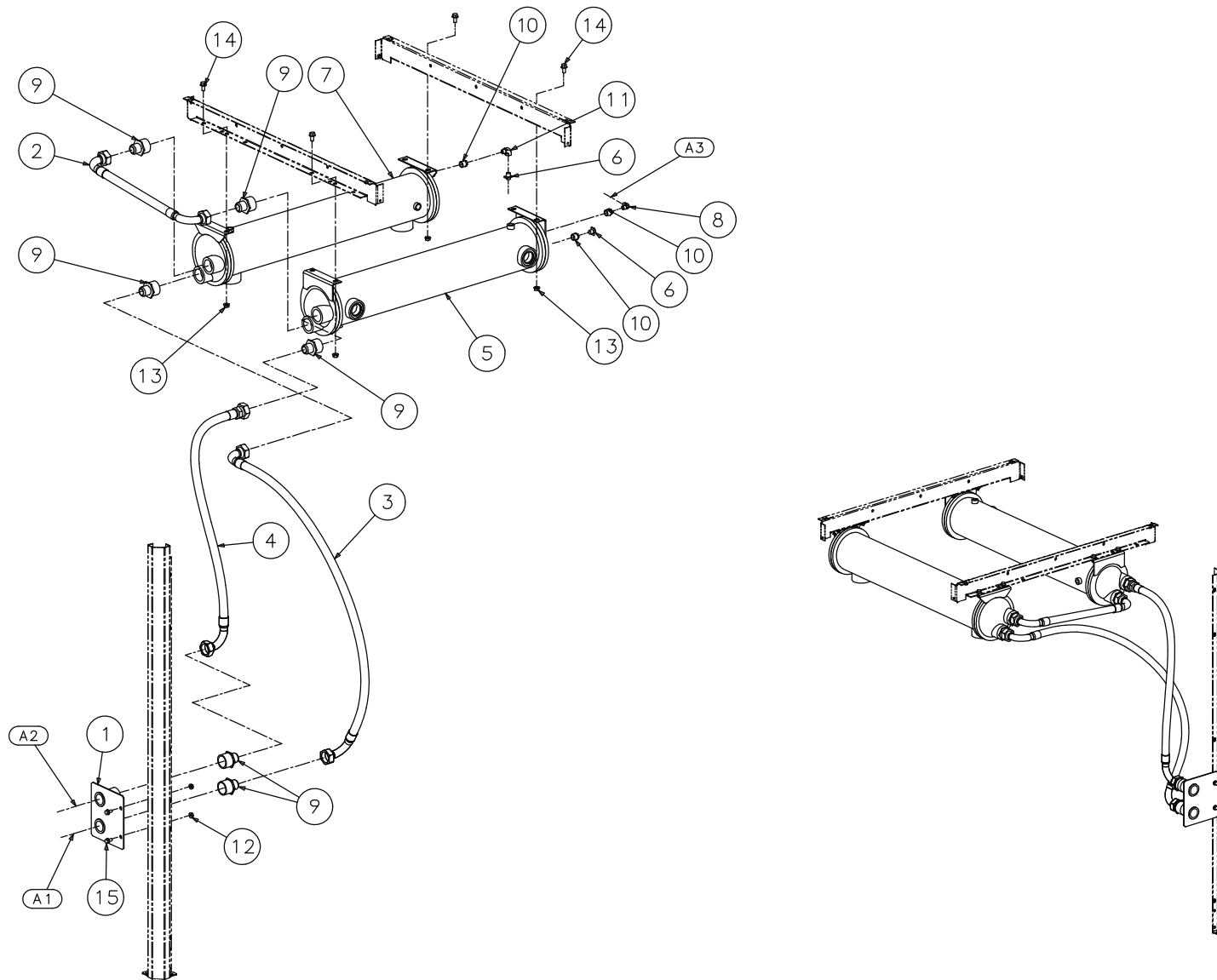
KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
20	882608-012	1	screw, hex serr washer m8 x 12	
21	883008-016	17	screw, tf-hex m8 x 16 blk zinc	
22	883208-166	26	washer, nord-lock pl m8 sp	
23	various	4	capscrew, m8 x various lengths	(II)
24	various	1	motor	(II)
25	various	1	fluid cooler	(II)
A1: In from minimum pressure valve				
A2: Out to water separator				
A3: To thermal by-pass valve				
A4: To starter box				
A5: Cooler pack assembly rests on top rails of canopy				
A6: Screws attach cooler box to support rails on top of canopy				
A7: Fan motor mounting holes				
(I) For additional information, consult <i>Section 1.19 Sump Tank Assembly</i> .				
(II) This part may vary per machine design. Consult factory with machine serial number to determine the proper part number.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.12 COOLING AND LUBRICATION SYSTEM - AIR-COOLED COOLER 100HP/75KW

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250161-610	1	duct, centrifugal fan p16/18	
2	02250161-614	1	guard, fan discharge p16/18	
3	02250164-204	4	spacer, fan motor p16/18 ac	
4	02250166-232	1	support, fan motor top p16/18	
5	02250166-233	1	support, fan motor bottom brace	
6	250018-497	2	grip, cord for so 12/4 st 3/4"	
7	250022-436	6	weatherstrip, 3/16 x 3/8 ft	
8	825908-125	6	nut, hex metric m8 x 1.25	
9	828008-020	16	capscrew, hex 8.8 m8 x 20mm	
10	850604-012	10ft	wire, neoprene #12-4 so	
11	865708-240	12	washer, iso 7093-8-140hv	
12	867104-030	1	bushing, red pltd 1 x 3/4	
13	882508-125	8	nut, serr flng m8 x 1.25	
14	883008-016	25	screw, tf-hex m8 x 16 blk zinc	
15	883208-166	34	washer, nord-lock pl m8 sp	
16	various	1	adapter	(I)
17	various	4	capscrew m8 x various lengths	(I)
18	various	1	fan	(I)
19	various	1	fan motor	(I)
20	various	1	fluid cooler	(I)
21	various	1	venturi	(I)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
			A1: In from minimum pressure valve	
			A2: Out to water separator	
			A3: To thermal by-pass valve	
			A4: To starter box	
			A5: Use with 3hp 182 & 184t frame motors only	
			A6: Cooler pack assembly rests on top rails of canopy	
			A7: Mounting holes for 3hp 4p 182t frame fan motor	
			A8: Mounting holes for 5hp 4p 213t frame fan motor	
			A9: Mounting holes for 3hp 4p 184t frame fan motor	
			A10: Screws attach fan cooler box to support rails on top of canopy	
			(I) This part may vary per machine design. Consult factory with machine serial number to determine the proper part number.	
			PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR	

1.13 COOLING AND LUBRICATION SYSTEM - WATER-COOLED STANDARD

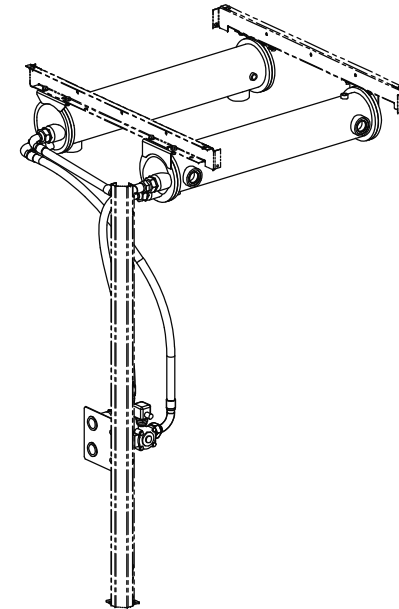
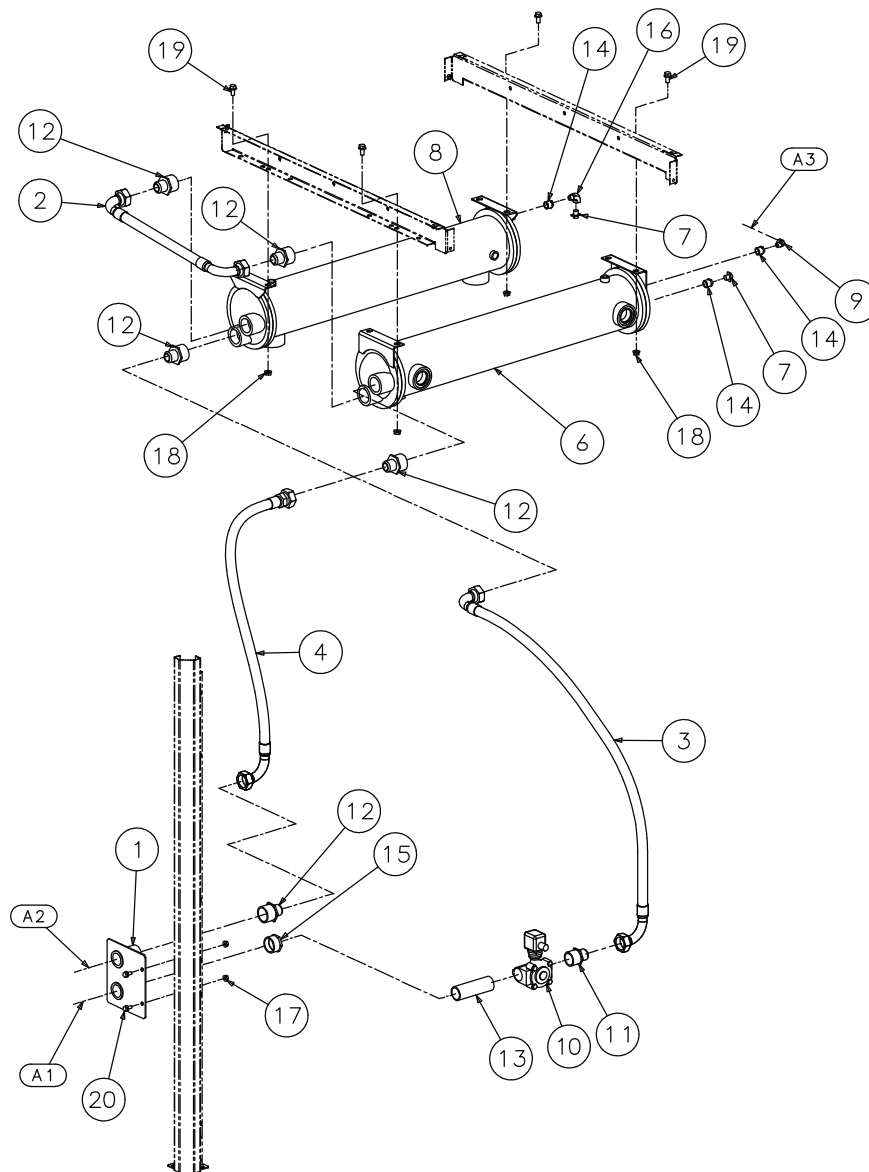


02250167-958R04

1.13 COOLING AND LUBRICATION SYSTEM - WATER-COOLED
STANDARD

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250168-004	1	support, outlet conn 1-1/2npt	
2	02250168-039	1	hose, hydraulic 1" x 22"lg	
3	02250168-041	1	hose, hydraulic 1" x 52"lg	
4	02250168-042	1	hose, hydraulic 1" x 39"lg	
5	02250172-501	1	cooler, oil/water 6 x 36 1-5/8"sae	
6	040061	2	draincock, 1/4"	
7	043008	1	clr, aftclr 2" npt air/1-1/2" npt wtr port	
8	250018-430	1	elbow, 90 1/4t pls x 1/4 npt m	
9	860116-150	6	connector, 37 fl/mpt pltd 1 x 1 1/2	
10	868902-010	3	bushing, red hex pltd 1/2 x 1/4	
11	881204-025	1	elbow, pipe 90m/f 1/4 x 1/4 brass	
12	882508-125	2	nut, serr flng m8 x 1.25	
13	882510-150	8	nut, serr flng m10 x 1.5	
14	882610-020	8	screw, hex serr washer m10 x 20	
15	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
A1: Water in 1-1/2" npt connection				
A2: Water out 1-1/2" npt connection				
A3: PS2 low water pressure to hole drilled in side of starter box				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.14 COOLING AND LUBRICATION SYSTEM - WATER-COOLED WITH SOLENOID VALVE



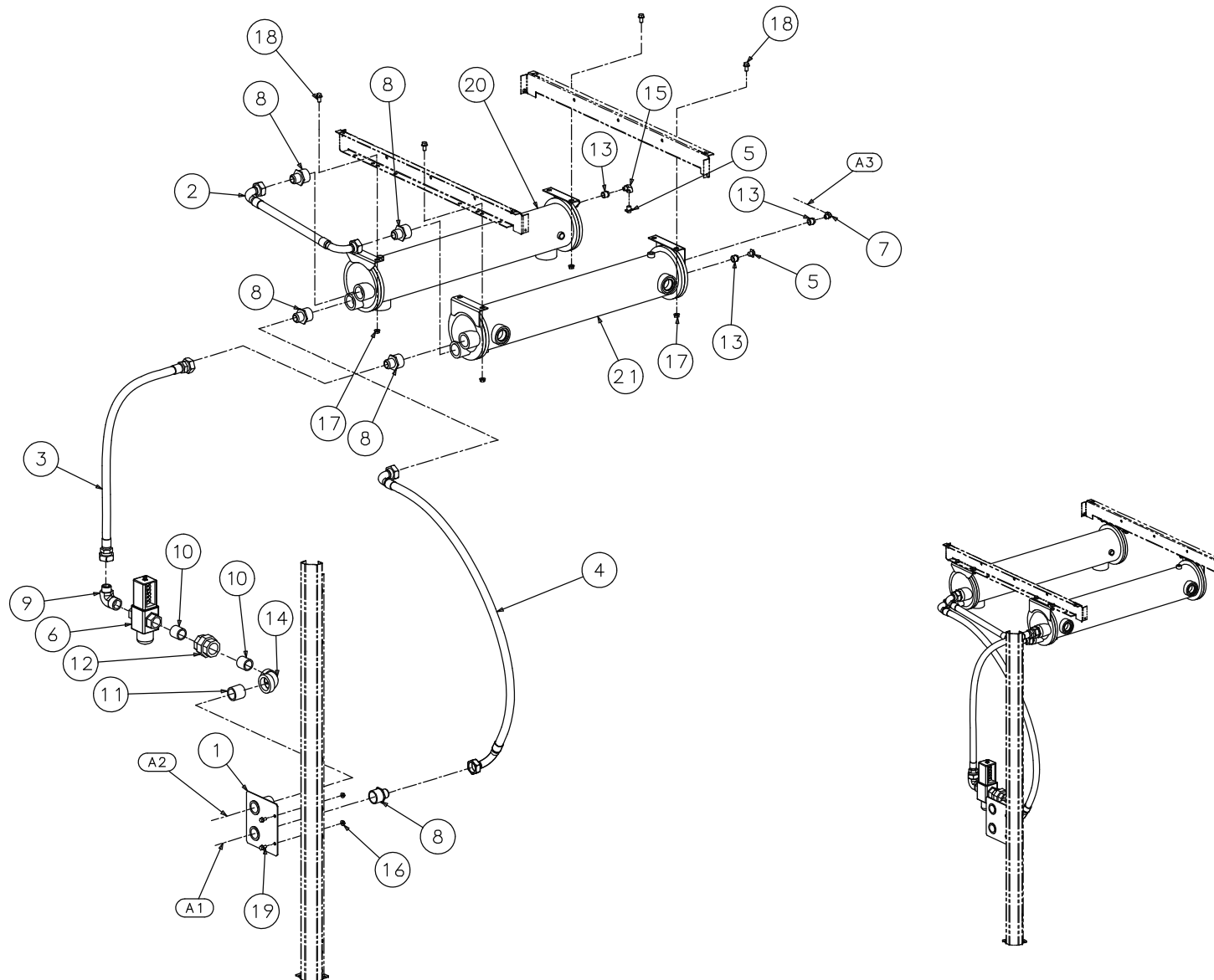
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1.14 COOLING AND LUBRICATION SYSTEM - WATER-COOLED WITH SOLENOID VALVE

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250168-004	1	support, outlet conn 1-1/2npt	
2	02250168-039	1	hose, hydraulic 1" x 22"lg	
3	02250168-041	1	hose, hydraulic 1" x 52"l	
4	02250168-042	1	hose, hydraulic 1" x 39"lg	
5	02250168-233	1	support, fan box/wc clrs p16/18	
6	02250172-501	1	cooler, oil/water 6x36 1-5/8"sae	
7	040061	2	draincock, 1/4"	
8	043008	1	clr, aftclr 2" npt air/1-1/2" npt wtr port	
9	250018-430	1	elbow, 90 1/4t pls x 1/4 npt m	
10	250035-291	1	valve, solenoid 1-1/4"	(I)
11	860116-125	1	connector,37 fl/mpt pltd 1 x 1 1/4	
12	860116-150	5	connector,37 fl/mpt pltd 1 x 1 1/2	
13	866320-050	1	nipple, pipe pltd 1 1/4 x 5	
14	868902-010	3	bushing, red hex pltd 1/2 x 1/4	
15	868906-050	1	bushing, red hex pltd 1 1/2 x 1 1/4	
16	881204-025	1	elbow, pipe 90m/f 1/4 x 1/4 brass	
17	882508-125	2	nut, serr flng m8 x 1.25	
18	882510-150	8	nut, serr flng m10 x 1.5	
19	882610-020	8	screw, hex serr washer m10 x 20	
20	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
A1: Water in 1-1/2" npt connection				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
A2: Water out 1-1/2" npt connection				
A3: PS2 low water pressure to hole drilled in side of starter box				
(I) For maintenance on solenoid valve no. 250035-291, order service rebuild kit no. 250038-848, and coil replacement kit no. 250035-292.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.15 COOLING AND LUBRICATION SYSTEM - WATER-COOLED WITH REGULATOR VALVE



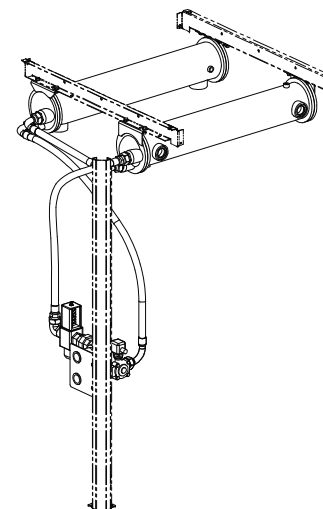
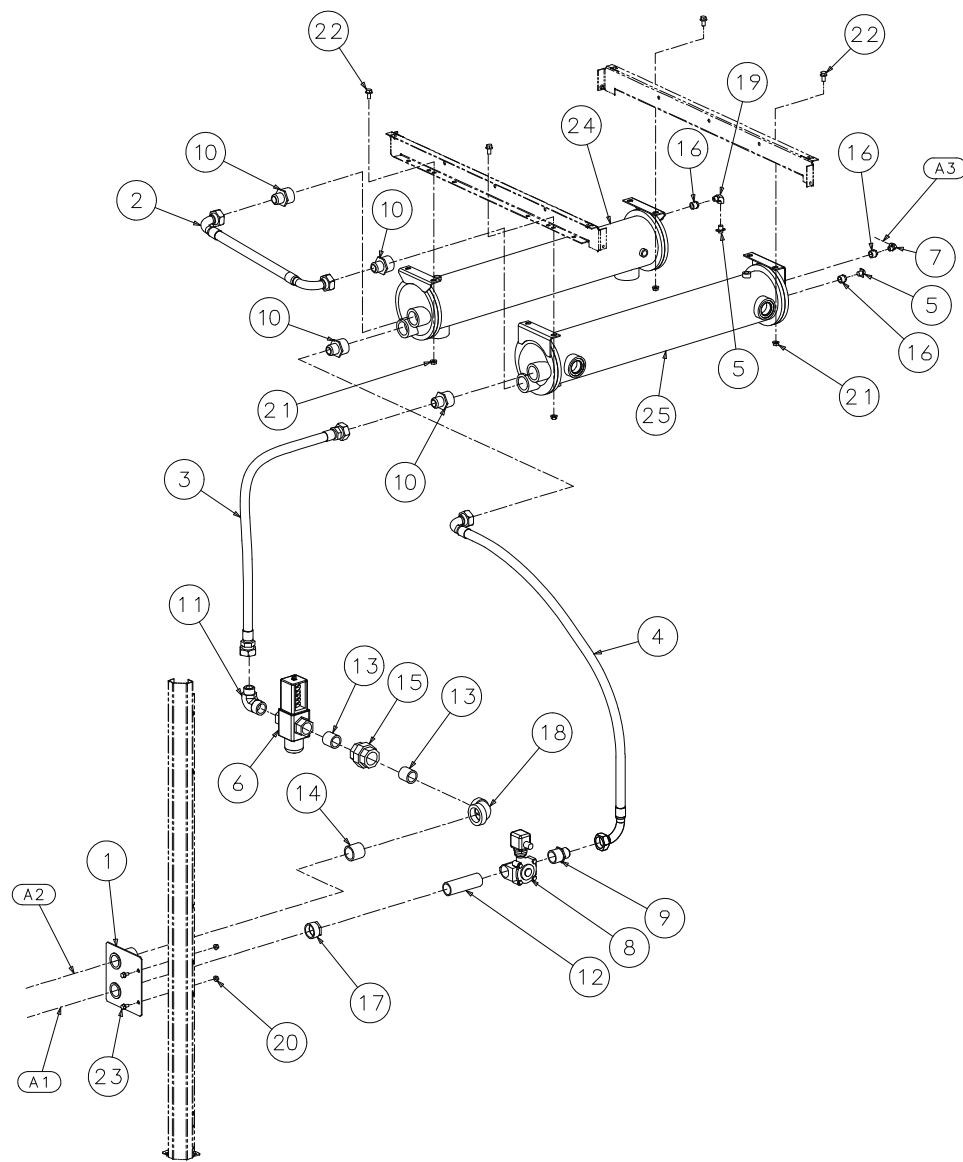
02250170-731R00

1.15 COOLING AND LUBRICATION SYSTEM - WATER-COOLED WITH REGULATOR VALVE

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250168-004	1	support, outlet conn 1-1/2npt	
2	02250168-039	1	hose, hydraulic 1" x 22"lg	
3	02250168-040	1	hose, hydraulic 1" x 38"lg	
4	02250168-041	1	hose, hydraulic 1" x 52"lg	
5	040061	2	draincock, 1/4"	
6	049474	1	valve, water regulating 1-1/4"	
7	250018-430	1	elbow, 90 1/4t pls x 1/4 npt m	
8	860116-150	5	connector, 37 fl/mpt pltd 1 x 1 1/2	
9	860216-125	1	elbow, 37fl 90m 1 x 1 1/4	
10	866420-000	2	nipple, pipe-xs plt 1 1/4 x cl	
11	866424-000	1	nipple, pipe-xs plt 1 1/2 x cl	
12	868030-050	1	union, pipe-brs seat 1 1/4 300# plt	
13	868902-010	3	bushing, red hex pltd 1/2 x 1/4	
14	869206-050	1	elbow, red 1 1/2 x 1 1/4 150# plt	
15	881204-025	1	elbow, pipe 90m/f 1/4 x 1/4 brass	
16	882508-125	2	nut, serr flng m8 x 1.25	
17	882510-150	8	nut, serr flng m10 x 1.5	
18	882610-020	8	screw, hex serr washer m10 x 20	
19	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
20	various	1	aftercooler	(I)
21	various	1	fluid cooler	(I)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
			A1: Water in 1-1/2" npt connection	
			A2: Water out 1-1/2" npt connection	
			A3: PS2 low water pressure to hole drilled in side of starter box	
			(I) This part may vary per machine design. Consult factory with machine serial number to determine the proper part number.	
			PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR	

1.16 COOLING AND LUBRICATION SYSTEM - WATER-COOLED WITH REGULATOR VALVE AND SOLENOID



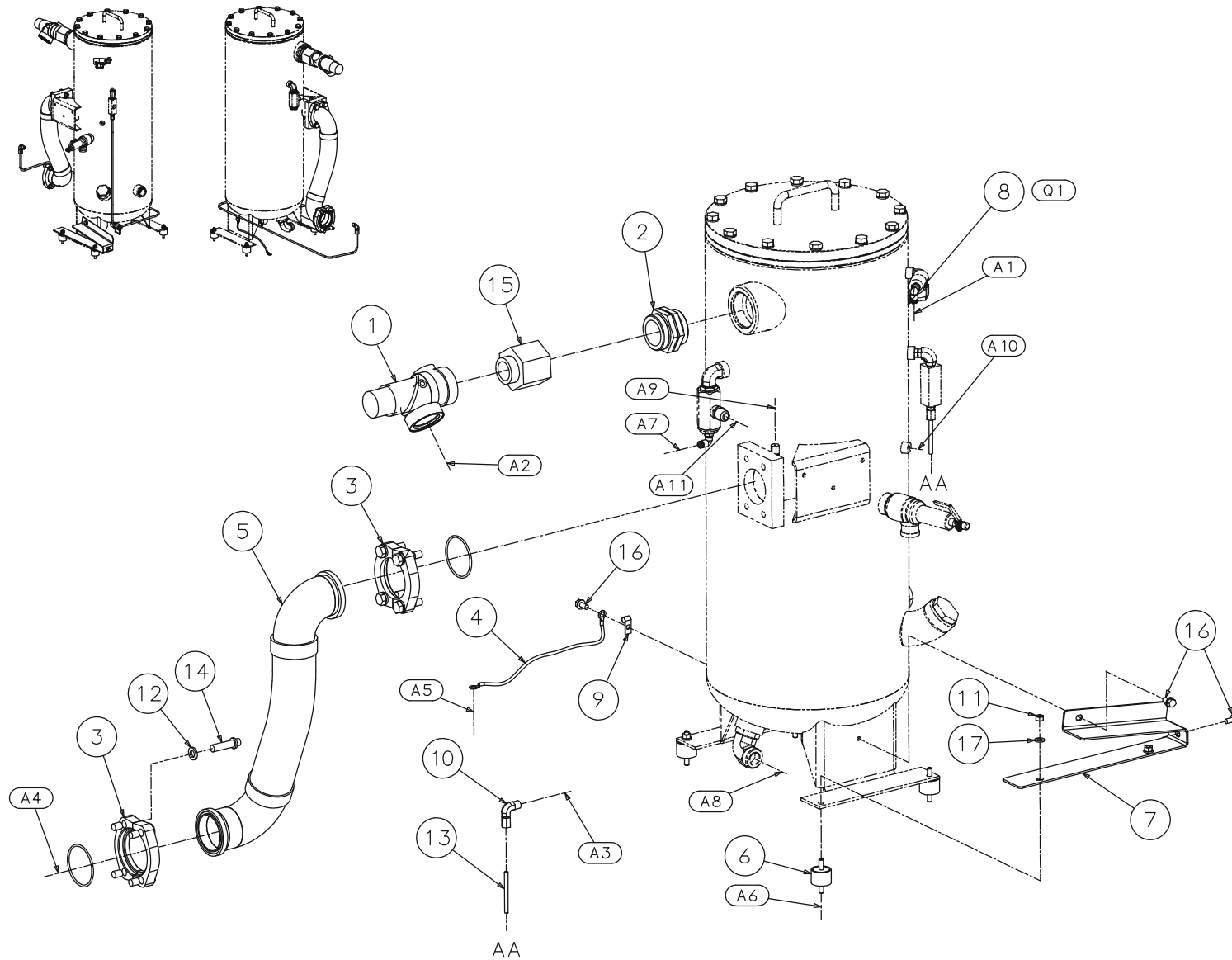
02250170-732R00

**1.16 COOLING AND LUBRICATION SYSTEM - WATER-COOLED
WITH REGULATOR VALVE AND SOLENOID**

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250168-004	1	support, outlet conn 1-1/2npt	
2	02250168-039	1	hose, hydraulic 1" x 22"lg	
3	02250168-040	1	hose, hydraulic 1" x 38"lg	
4	02250168-041	1	hose, hydraulic 1" x 52"	
5	040061	2	draincock, 1/4"	
6	049474	1	valve, water regulating 1-1/4"	
7	250018-430	1	elbow, 90 1/4t pls x 1/4 npt m	
8	250035-291	1	valve, solenoid 1-1/4"	(I)
9	860116-125	1	connector, 37 fl/mpt pltd 1 x 1 1/4	
10	860116-150	4	connector, 37 fl/mpt pltd 1 x 1 1/2	
11	860216-125	1	elbow, 37fl 90m 1 x 1 1/4	
12	866320-050	1	nipple, pipe pltd 1 1/4 x 5	
13	866420-000	2	nipple, pipe-xs plt 1 1/4 x cl	
14	866424-000	1	nipple, pipe-xs plt 1 1/2 x cl	
15	868030-050	1	union, pipe-brs seat 1 1/4 300# plt	
16	868902-010	3	bushing, red hex pltd 1/2 x 1/4	
17	868906-050	1	bushing, red hex pltd 1 1/2 x 1 1/4	
18	869206-050	1	elbow, red 1 1/2 x 1 1/4 150# plt	
19	881204-025	1	elbow, pipe 90m/f 1/4 x 1/4 brass	
20	882508-125	2	nut, serr flng m8 x 1.25	
21	882510-150	8	nut, serr flng m10 x 1.5	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
22	882610-020	8	screw, hex serr washer m10 x 20	
23	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
24	various	1	aftercooler	(II)
25	various	1	cooler, fluid	(II)
A1: Water in 1-1/2" npt connection				
A2: Water out 1-1/2" npt connection				
A3: PS2 to low water pressure switch in starter box				
(I) For maintenance on solenoid valve no. 250035-291, order rebuild kit no. 250038-848, and replacement coil no. 250035-292.				
(II) This part may vary per machine design. Consult factory with machine serial number to determine the proper part number.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.17 SUMP AND PIPING - 60-75HP/45-55KW



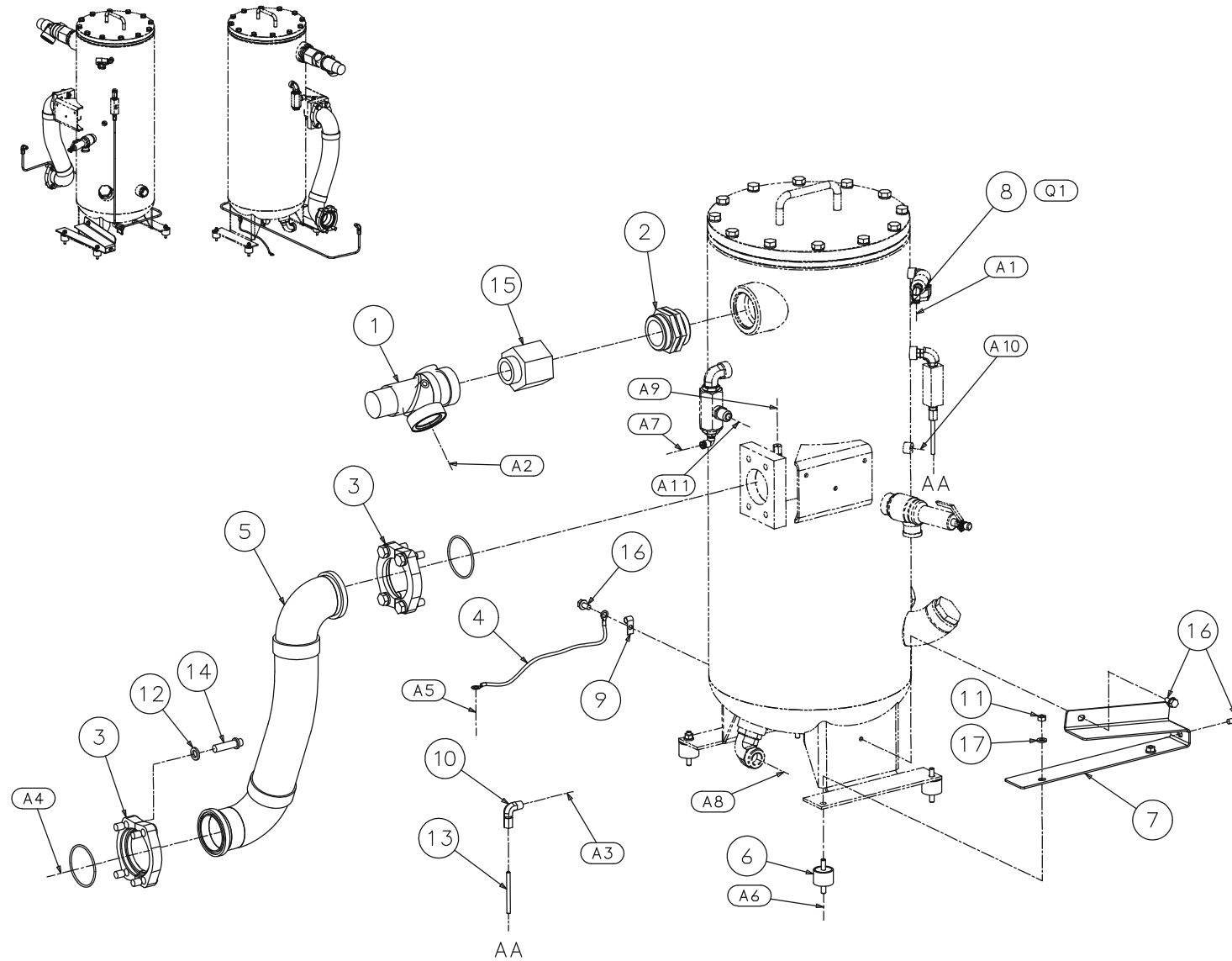
02250169-994R00

1.17 SUMP AND PIPING - 60-75HP/45-55KW

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250097-598	1	vlv, min press chk 1-7/8 sae o-ring por	(I)
2	02250110-661	1	adapter, sae 2-1/2-12 x 2-1/2-12	
3	02250152-813	2	flange, kit 2.5" split m12 x 45	
4	02250157-450	1	wire, 10 gage ground bond 12" m8	
5	02250162-365	1	joint, expansion airend-sep p16	
6	02250162-374	4	isolator, vibration 5600 rec tnk	
7	02250164-918	1	support, shipping frm/tnk p16/18	
8	02250168-637	1	tank, assembly p16/18	(II)
9	043357	1	clamp, speed tube 1/4"	
10	250211-005	1	elbow, tube-m 1/4" swg1k 316ss	
11	825908-125	4	nut, hex metric m8 x 1.25	
12	837808-125	4	washer, spr lock reg pltd 1/2	
13	841215-004	6	tubing, stnls stl 1/4 20ga ft	
14	867308-175	4	capscrew, ferry head hd pltd 1/2-13 x 1 3/4	
15	870024-032	1	reducer, str thrd viton 1 1/2 x 2	
16	883008-016	3	screw, tf-hex m8 x 16 blk zinc	
17	883208-166	4	washer, nord-lock pl m8 sp	
A1: To sequencing solenoid valve				
A2: To aftercooler in				
A3: To compressor unit fluid return ports				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
A4: To compressor unit discharge				
A5: To grounding location on frame				
A6: To frame				
A7: To unload solenoid valve				
A8: To fluid by-pass valve				
Q1: For additional information on tank assembly, consult <i>Section 1.19, Tank Assembly</i> , of this manual.				
			Continued on page 37	
(I) For maintenance on minimum pressure check valve no. 02250097-598, order service kit no. 02250110-727.				
(II) For maintenance on separator 02250160-774, order separator element kit no. 02250169-993, includes quantity of two no. 02250160-776 elements.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.17 SUMP AND PIPING - 60-75HP/45-55KW (CONTINUED)

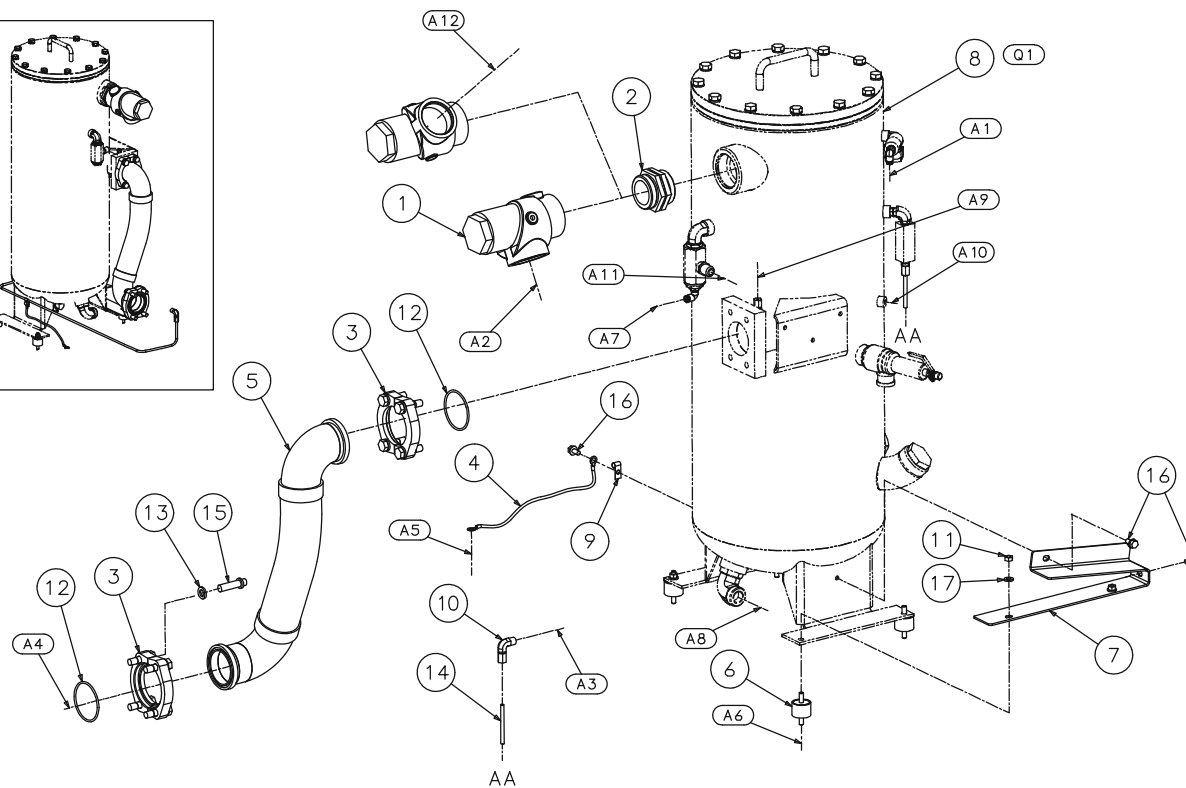
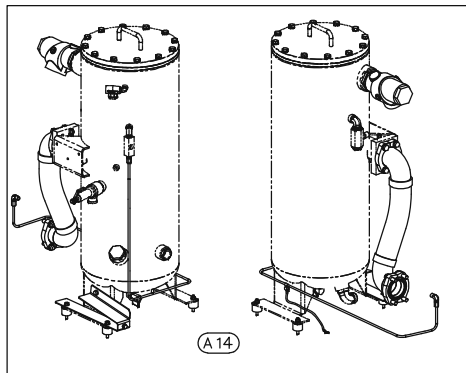
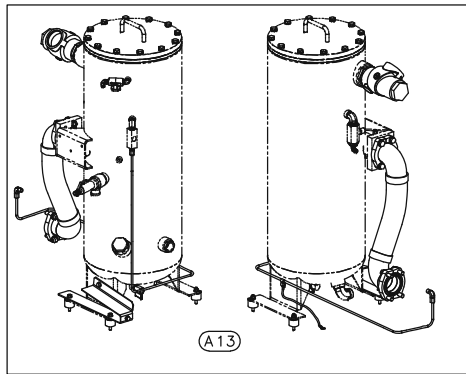


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1.17 SUMP AND PIPING - 60-75HP/45-55KW (CONTINUED)

KEY NO.	PART NO.	Q T Y	DESCRIPTION	N O T E
A9: T1- Wet discharge temperature				
A10: P1- Wet receiver pressure				
A11: To blowdown valve				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.18 SUMP AND PIPING - 100HP/75KW



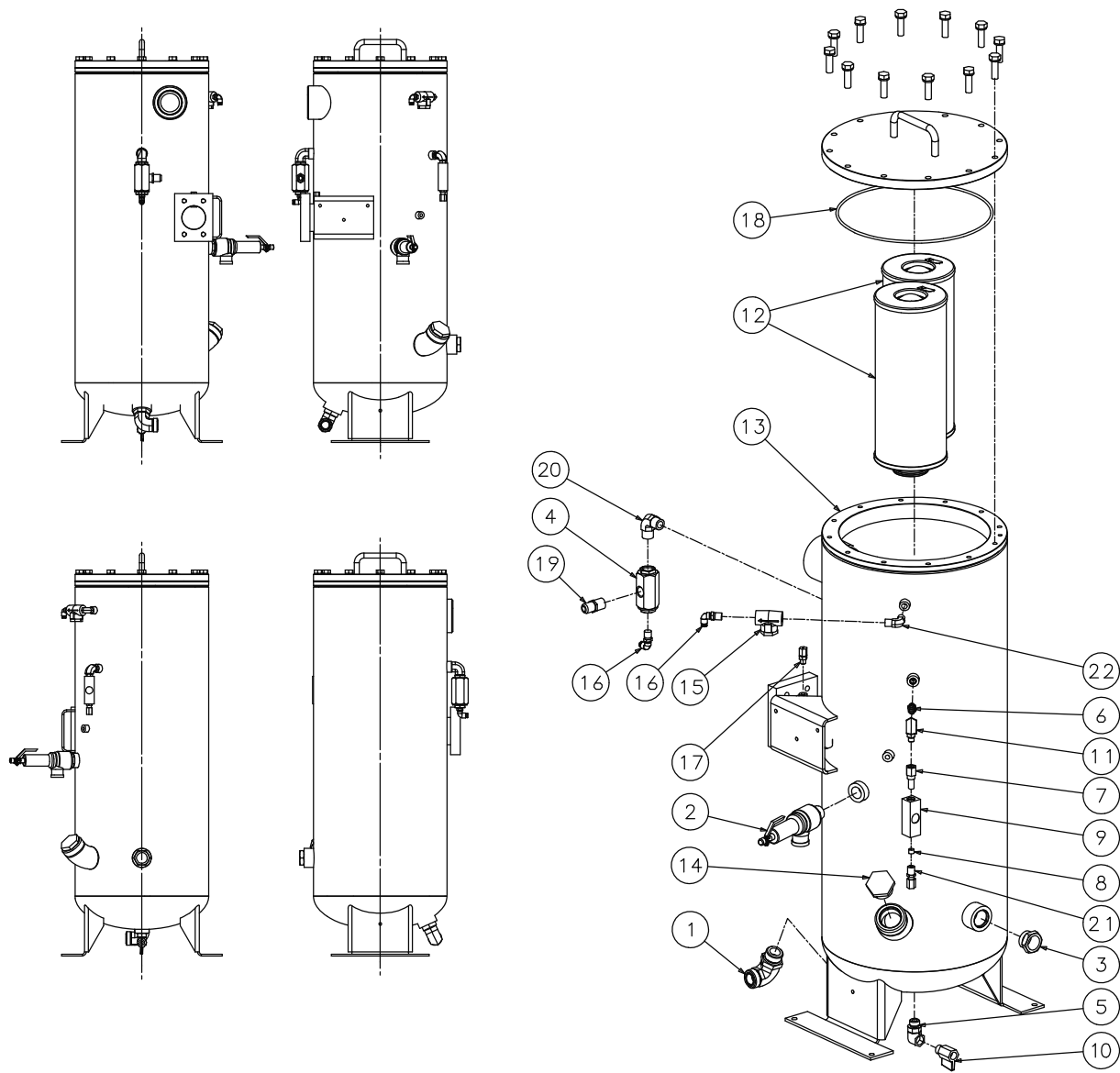
02250161-712R01

1.18 SUMP AND PIPING - 100HP/75KW

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250109-817	1	valve, minimum pressure 2-1/2"sae in/out	(I)
2	02250110-661	1	adapter, sae 2-1/2-12 x 2-1/2-12	
3	02250152-813	2	flange, kit 2.5" split m12 x 45	
4	02250157-450	1	wire, 10 gage ground bond 12" m8	
5	02250162-365	1	joint, expansion airend-sep p16	
6	02250162-374	4	isolator, vibration 5600 rec tnk	
7	02250164-918	1	support, shipping frm/tnk p16/18	
8	02250168-637	1	tank, assembly p16/18	(II)
9	43357	1	clamp, speed tube 1/4"	
10	250211-005	1	elbow, tube-m 1/4" swglk 316ss	
11	825908-125	4	nut, hex metric m8 x 1.25	
12	826502-232	2	o-ring, viton 2 3/4 x 1/8"	
13	837808-125	4	washer, spr lock reg pltd 1/2	
14	841215-004	6	tubing, stnls stl 1/4 20ga ft	
15	867308-175	4	capscrew, ferry head hd pltd 1/2-13 x 1 3/4	
16	883008-016	3	screw, tf-hex m8 x 16 blk zinc	
17	883208-166	4	washer, nord-lock pl m8 sp	
A1: To sequencing solenoid valve				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
A2: To AC aftercooler in				
A3: To compressor unit fluid return port				
A4: To compressor unit discharge				
A5: To grounding location on frame				
A6: To frame				
A7: To standard solenoid valve				
A8: To oil by-pass valve				
A9: T1-wet discharge temperature				
A10: P1-wet receiver pressure				
A11: To blowdown hose				
A12: To wc aftercooler in				
A13: WC assembly configuration				
A14: AC assembly configuration				
Q1: For additional information on tank assembly, consult <i>Section 1.19, Tank Assembly</i> , of this manual.				
(I) For maintenance on minimum pressure check valve no. 02250109-817, order service kit no. 250018-456.				
(II) For maintenance on separator 02250160-774, order separator element kit no. 02250169-993, includes quantity of two no. 02250160-776 element.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.19 SUMP TANK ASSEMBLY



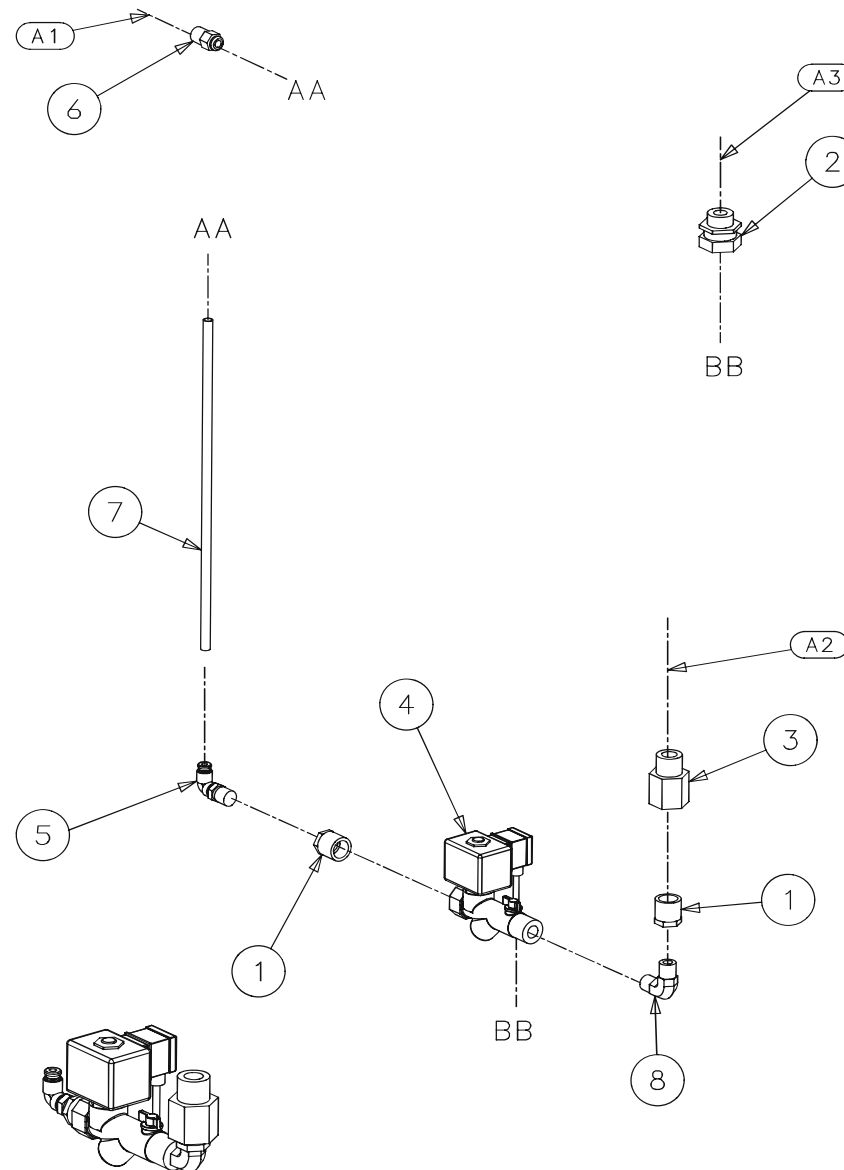
02250168-637R04

1.19 SUMP TANK ASSEMBLY

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250087-070	1	elbow,90 sae x orfs 1.00"	
2	02250097-349	1	valve, relief 200#	
3	02250097-610	1	plug, sight glass 1 5/16" sae	
4	02250100-042	1	valve,1/2 bldwn 1.8:1 250 psig	(I)
5	02250100-093	1	elbow, 90 deg 3/4 sae x 3/8 nptf	
6	02250101-783	1	adapter, sae 7/16 x 7/16-20	
7	02250117-782	1	filter, assembly screen filter	(II)
8	02250125-774	1	orifice, plug brass 1/8"npt x 1/32"	
9	02250126-129	1	sightglass, orf block sae	
10	02250146-870	1	valve, ball mini m x f 3/8"viton	
11	02250152-798	1	elbow, sae 1/4" (7/16-20) m x f	
12	02250160-774	2	element, sep round 5.5d x 14.3lng+	(III)
13	02250162-369	1	tank, separator p16/p18	
14	040029	1	plug, o-ring boss sae 1 1/4	
15	241771	1	strainer, v-type 300psix1/4	(IV)
16	250025-850	2	elbow, 90deg m swvl 1/4t x 1/4 npt	
17	250028-635	1	fitting, compress adj	
18	826502-380	1	o-ring, viton 11 1/2 x 3/16"	
19	860108-050	1	connector, 37 fl/mpt pltd 1/2 x 1/2	
20	860508-050	1	elbow, pipe-90m 1/2 x 1/2	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
21	876804-025	1	connector, tube-m 1/4 x 1/4 ss	
22	881004-025	1	elbow, pipe-90m 1/4 x 1/4 brass	
(I) For maintenance on blowdown valve no. 02250100-042, order service kit no. 02250100-042.				
(II) For maintenance on filter assembly screen filter no. 02250117-782, order replacement assembly no. 02250117-782.				
(III) For maintenance on separator 02250160-774, order separator element kit no. 02250169-993, includes quantity of two no. 02250160-776 element.				
(IV) For maintenance on strainer no. 241771, order service kit no. 241772.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.20 MOISTURE DRAIN - STANDARD



02250161-710R00

1.20 MOISTURE DRAIN - STANDARD

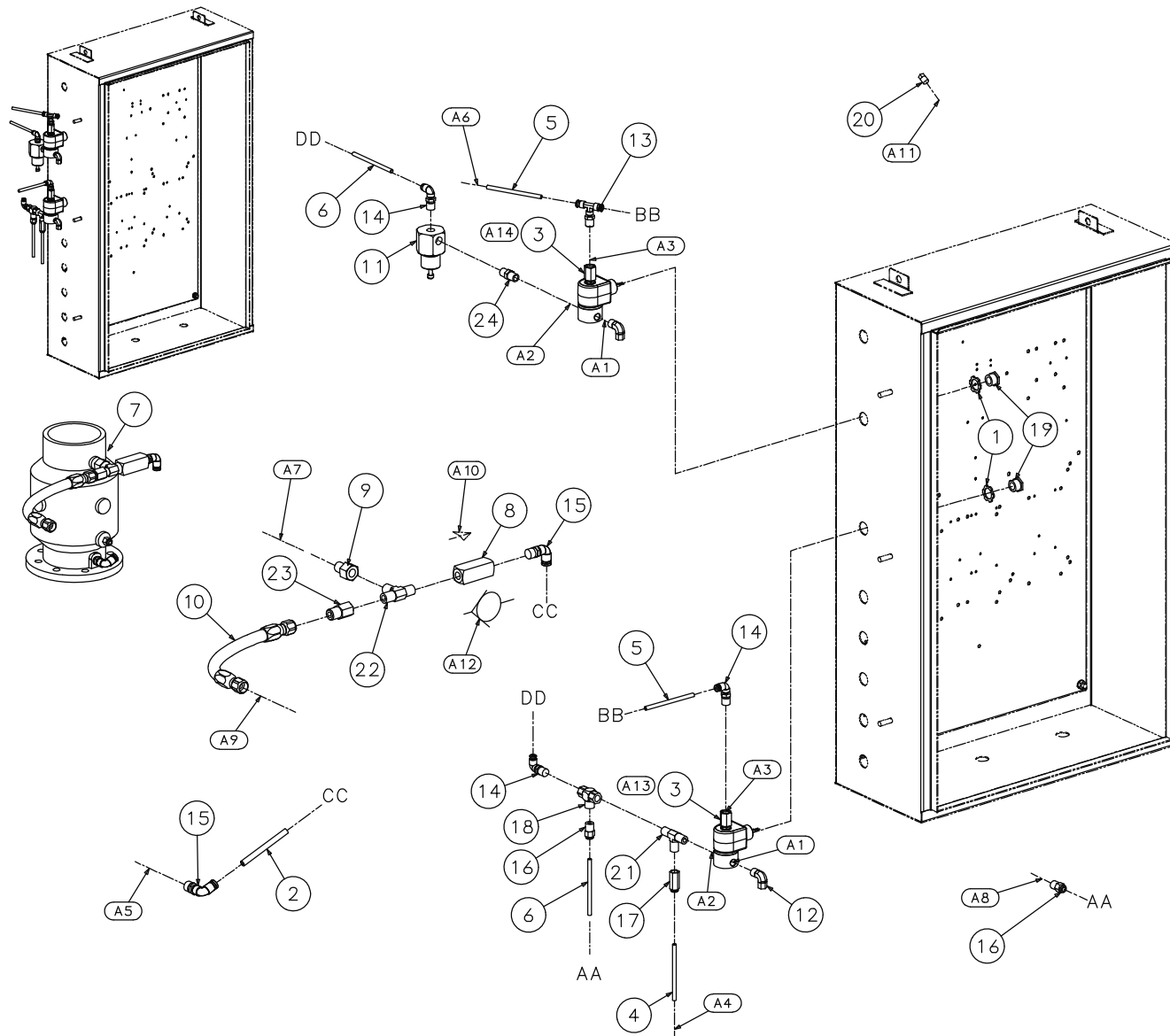
KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250046-110	2	bushing, red brs 1/2 x 1/4	
2	02250071-380	1	grip, cord n4 .187-.250 x 1/2"	
3	02250167-603	1	adapter, 1/2m bspp-1/2f npt brass	
4	02250170-783	1	valve, drain combo 24 vdc	(I)
5	250025-850	1	elbow, 90deg m swvl 1/4t x 1/4 npt	
6	250025-859	1	connector, male 1/4tube x 1/4	
7	842215-004	5ft	hose, nylon 1/4	
8	881004-025	1	elbow, pipe-90m 1/4 x 1/4 brass	
A1: To air out bracket				
A2: From water separator				
A3: To bottom of starter box				
(I) For maintenance on condensate drain valve no. 02250170-783, order service kit no. 02250171-245; coil replacement kit no. 02250171-243; and power cable replacement no. 02250171-483.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.21 MOISTURE DRAIN - SCD

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250054-861	1ft	tube, nyl .25 od x .040w blk	
2	02250071-381	1	grip, cord n4 .250-.375 x 1/2"	
3	02250130-866	1	drain, scd400 115v npt	
4	02250140-865	1	valve, ball 1/8m x 1/8f 1/4 turn	
5	02250144-842	1	valve, ball/stnr 1/2f x 1/2m	
6	02250166-711	2	connector, hose barb 5/16" hose x 1/4" npt	
7	02250167-603	1	adapter, 1/2m bspp-1/2f npt brass	
8	02250173-905	1	support, sc drain p16/18	
9	047235	2	clamp, hose 3/8"	
10	250025-849	1	elbow, 90deg m swvl 1/4t x 1/8npt	
11	250025-850	1	elbow, 90deg m swvl 1/4t x 1/4 npt	
12	825908-125	2	nut, hex metric m8 x 1.25	
13	828008-020	2	capscrew, hex 8.8 m8 x 20mm	
14	842315-031	1ft	hose, fuel line 5/16	
15	860508-050	1	elbow, pipe-90m 1/2 x 1/2	
16	866302-020	1	nipple, pipe pltd 1/8 x 2	
17	868901-010	1	bushing, red hex pltd 3/8 x 1/4	
18	878212-012	1	tee, female pipe brass 1/8"	
19	883008-016	1	screw, tf-hex m8 x 16 blk zinc	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
20	883208-166	4	washer, nord-lock pl m8 sp	
A1: From water separator				
A2: To side of starter box				
A3: To air-out bracket				
A4: Package discharge pressure P2				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.22 PNEUMATIC CONTROL



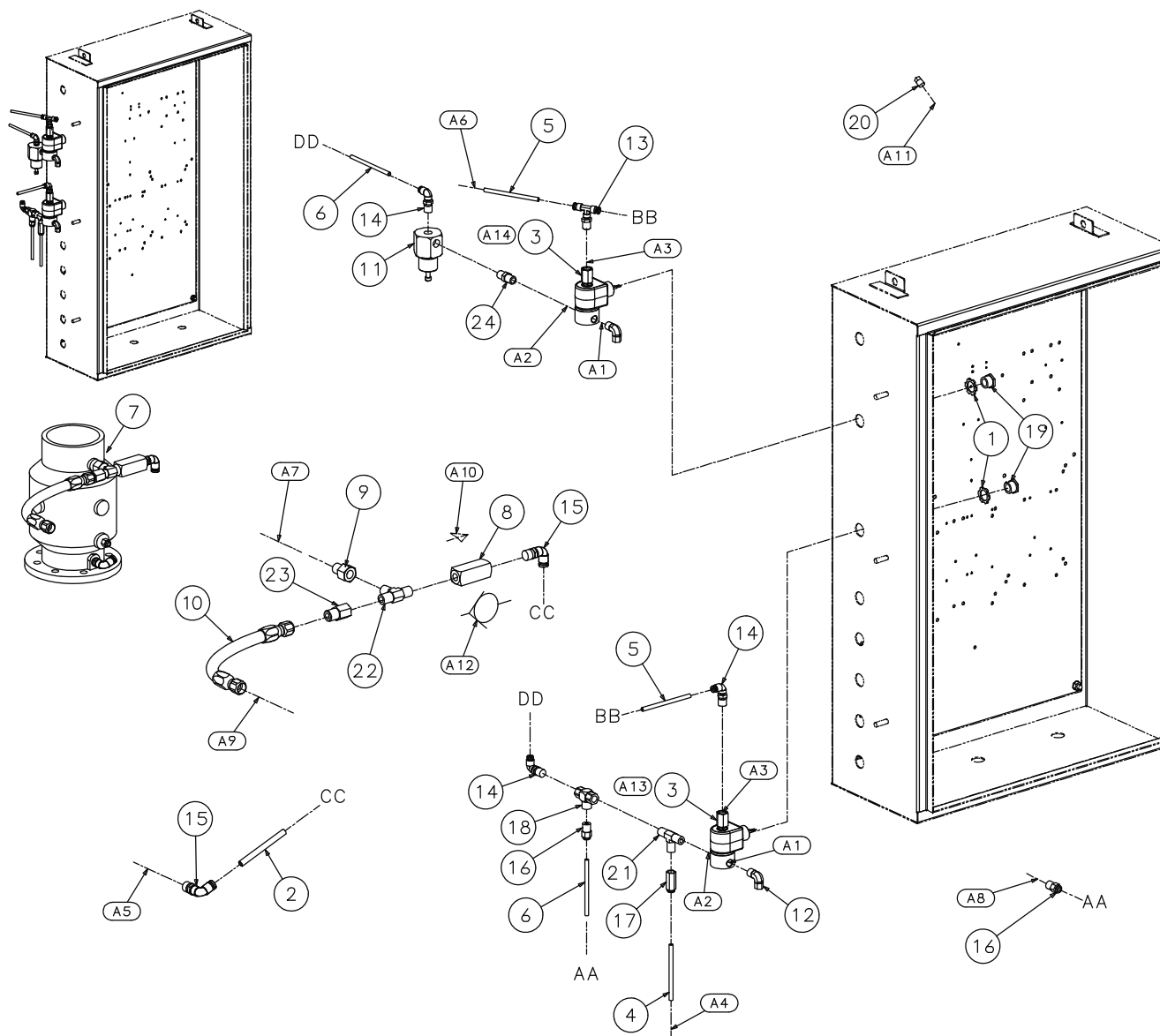
02250161-705R00

1.22 PNEUMATIC CONTROL

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250071-362	2	locknut, n4 conduit sealing	
2	02250139-950	1	tbg, nylon 3/8"od red	
3	02250155-714	2	valve, solenoid 3wno 1/4 250# 24vdc	(I)
4	02250155-961	3	tbg, nylon 1/4"-od red	
5	02250155-962	3	tbg, nylon 1/4"-od blue	
6	02250155-963	3	tbg, nylon 1/4"-od yellow	
7	02250166-128	1	valve, inlet 4" p16 low pilot pres	
8	02250172-320	1	valve, check 3/8"nptf	
9	02250172-323	1	orifice, .140" 3/8 fnpt x 3/8 mnpt	
10	249608-018	1	hose, med press 0.50 x 012"	(II)
11	250017-280	1	valve, pressure regulator	(III)
12	250018-430	2	elbow, 90 1/4t pls x 1/4 npt m	
13	250025-835	1	tee, male branch swiv 1/4 tube x 1/4 npt	
14	250025-850	3	elbow, 90deg m swvl 1/4t x 1/4 npt	
15	250025-853	2	elbow, 90deg m swvl 3/8 t x 3/8	
16	250025-859	2	connector, male 1/4tube x 1/4	
17	250025-923	1	connector, fem tube 1/4 x 1/4 nptf	
18	408893	1	valve, shuttle 1/4" npt (dbl chk)	
19	847815-050	2	nipple, chase cond 1/2	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
20	866900-005	1	plug, pipe 1/8" 3000# stl plt	
21	869825-025	1	tee, male pipe brass 1/4	
22	869838-038	1	tee, male pipe brass 3/8	
23	873706-075	1	connector, 37 fl 1/2 x 3/8" npt	
24	881304-025	1	nipple, pipe-hx brass 1/4 x ¼	
A1: Port 1				
A2: Port 2				
			Continued on page 49	
(I) For maintenance on solenoid valve no. 02250155-714, order service kit no. 02250157-500, and coil replacement kit no. 02250157-502.				
(II) For maintenance on hoses, order (air-cooled) hose kit no. 02250171-102, or (water-cooled) hose kit no. 02250171-103.				
(III) For maintenance on regulator valve no. 250017-280, order service kit no. 250019-453.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.22 PNEUMATIC CONTROL (CONTINUED)

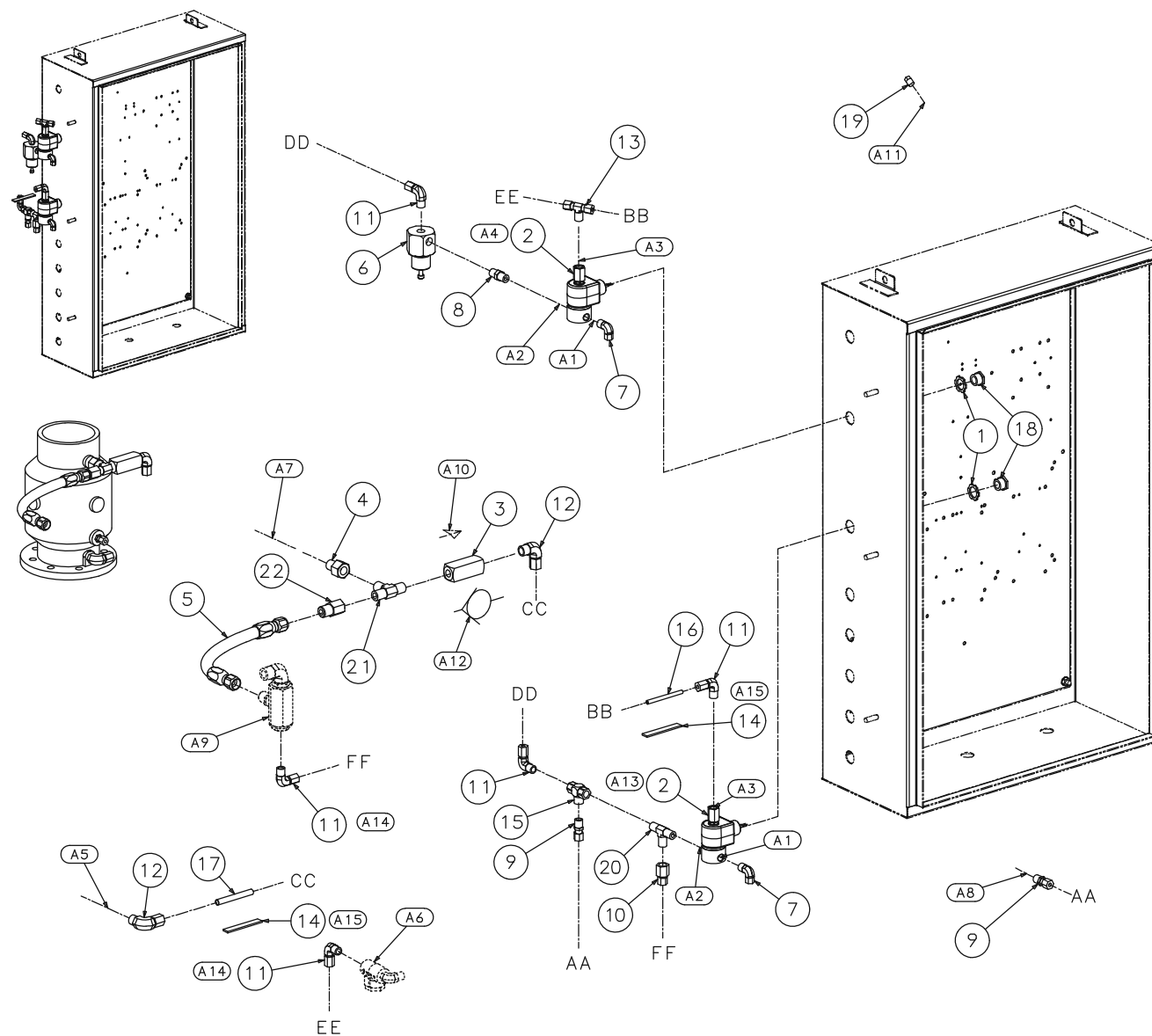


02250161-705R00

1.22 PNEUMATIC CONTROL (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
A3:			Port 3	
A4:			To fitting under blowdown valve mounted on tank assy	
A5:			To bottom connection on inlet valve	
A6:			To strainer mounted on tank assy	
A7:			To top connection port on inlet valve	
A8:			To middle connection port on inlet valve	
A9:			To blowdown valve mounted on tank assy	
A10:			Flow direction	
A11:			To minimum pressure valve	
A12:			Symbol on check valve should be shown in this direction	
A13:			Solenoid 1	
A14:			Solenoid 4	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.23 PNEUMATIC CONTROL - STAINLESS STEEL WITH SEQUENCING



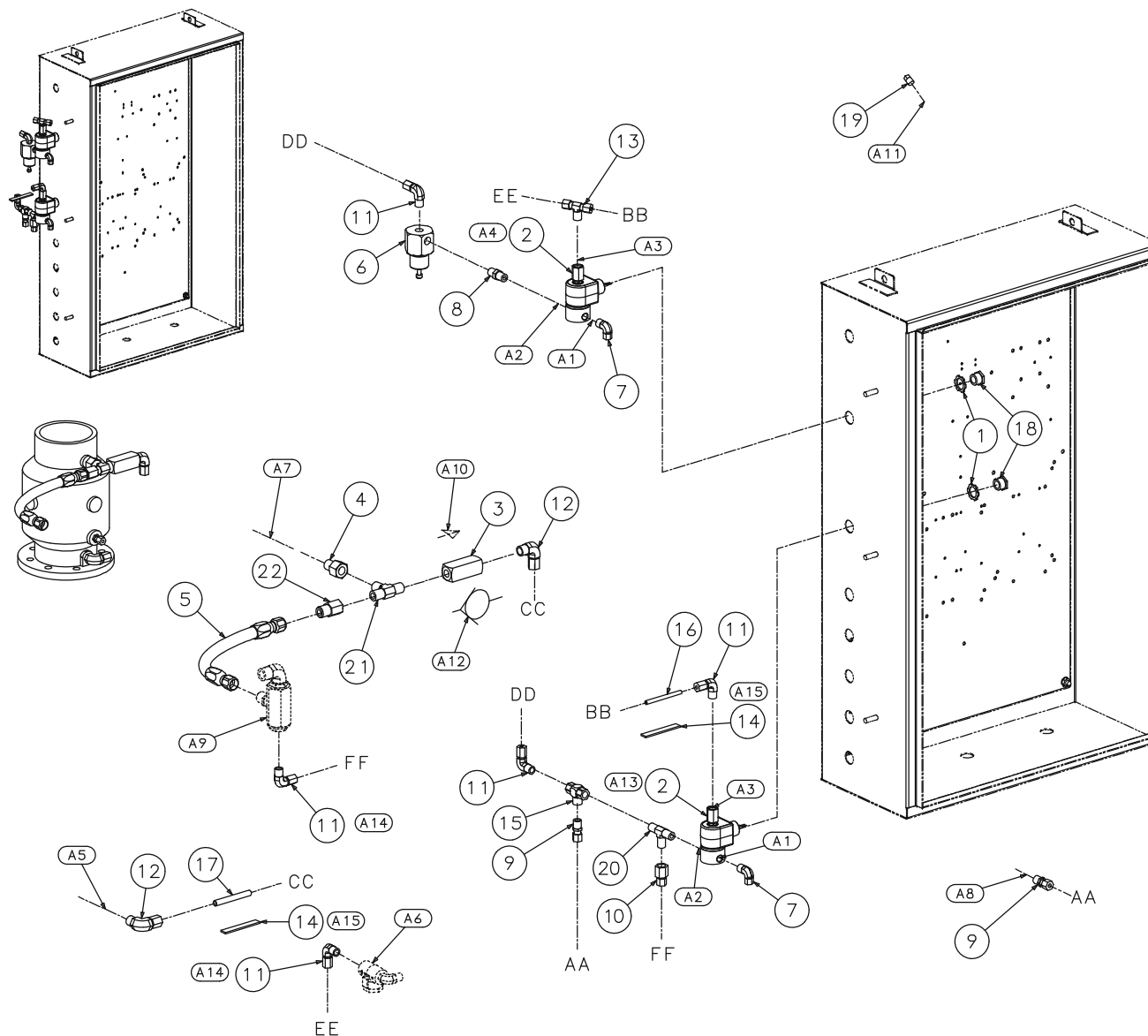
02250169-192R01

1.23 PNEUMATIC CONTROL - STAINLESS STEEL WITH SEQUENCING

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250071-362	2	locknut, n4 conduit sealing	
2	02250155-714	2	valve, solenoid 3wno 1/4 250# 24vdc	(I)
3	02250172-320	1	valve, check 3/8"nptf	
4	02250172-323	1	orifice,.140" 3/8 fnpt x 3/8 mnpt	
5	249608-018	1	hose, med press 0.50 x 012"	(II)
6	250017-280	1	valve, pressure regulator	(III)
7	250018-430	2	elbow, 90 1/4t pls x 1/4 npt m	
8	250018-760	1	nipple, hx tbe 316s 1/4"	
9	250139-016	2	connector, tube-m 1/4 swgk 316s	
10	250139-044	1	connector, tube-f 1/4 swgk 316s	
11	250211-005	5	elbow, tube-m 1/4" swgk 316ss	
12	250211-006	2	elbow, tube-m 3/8" swglock ss	
13	250591-002	1	tee, tube-m branch 1/4 swg ss	
14	407403	16	tape, heat self-lim 120v-ft	
15	408893	1	valve, shuttle 1/4" npt (dbl chk)	
16	841215-004	1	tubing, stnls stl 1/4 20ga ft	
17	841215-006	1	tubing, stnls stl 3/8 20ga ft	
18	847815-050	2	nipple, chase cond 1/2	
19	866900-005	1	plug, pipe 1/8" 3000# stl plt	
20	869925-025	1	tee, male pipe stainless 1/4	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
21	869938-038	1	tee, male pipe stainless 3/8	
22	873706-075	1	connector, 37 fl 1/2 x 3/8" npt	
A1: Port 1				
A2: Port 2				
A3: Port 3				
A4: Solenoid 4				
A5: To bottom connection on inlet valve				
A6: Strainer mounted on tank assy.				
A7: To top connection port on inlet valve				
A8: To middle connection port on inlet valve				
A9: Blowdown valve mounted on tank assy.				
A10: Flow direction				
A11: To minimum pressure valve				
A12: Symbol on check valve should be shown in this direction				
A13: Solenoid 1				
Continued on page 53				
(I) For maintenance on solenoid valve no. 02250155-714, order service kit no. 02250157-500, and coil replacement kit no. 02250157-502				
(II) For maintenance on hoses, order (air-cooled) hose kit no. 02250171-102, or (water-cooled) hose kit no. 02250171-103.				
(III) For maintenance on pressure regulator valve no. 250017-280, order service kit no. 250019-453.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.23 PNEUMATIC CONTROL - STAINLESS STEEL WITH SEQUENCING (CONTINUED)

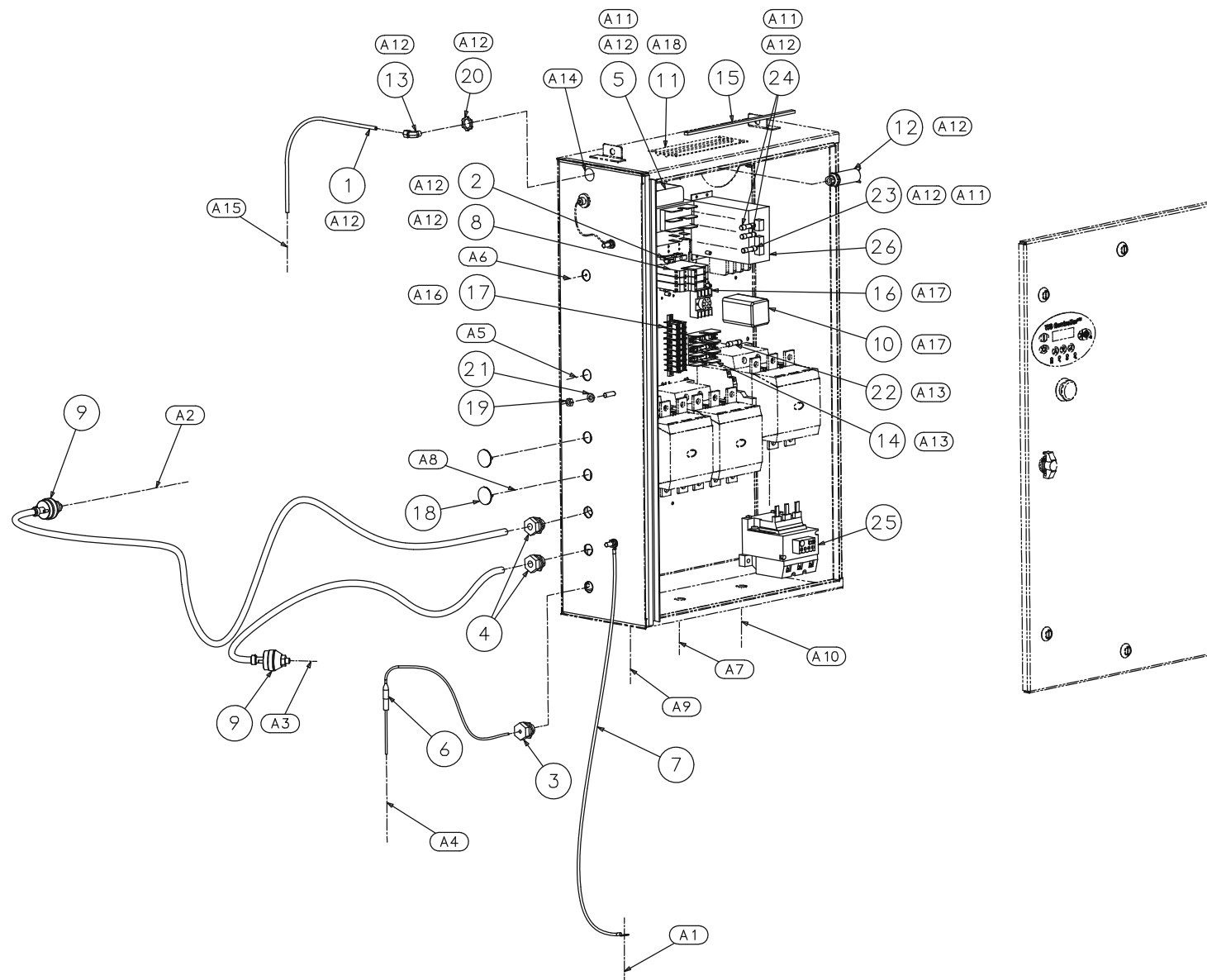


02250169-192R01

1.23 PNEUMATIC CONTROL - STAINLESS STEEL WITH SEQUENCING (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
			A14: Remove standard fitting which comes mounted on tank assy. Replace with stainless steel fitting.	
			A15: Heat trace for cold weather options only	
			(I) For maintenance on solenoid valve no. 02250155-714, order service kit no. 02250157-500, and coil replacement kit no. 02250157-502	
			(II) For maintenance on pressure regulator valve no. 250017-280, order service kit no. 250019-453.	
			(III) For maintenance on hoses, order (air-cooled) hose kit no. 02250171-102, or (water-cooled) hose kit no. 02250171-103.	
			PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR	

1.24 ELECTRICAL CONTROL ASSEMBLY



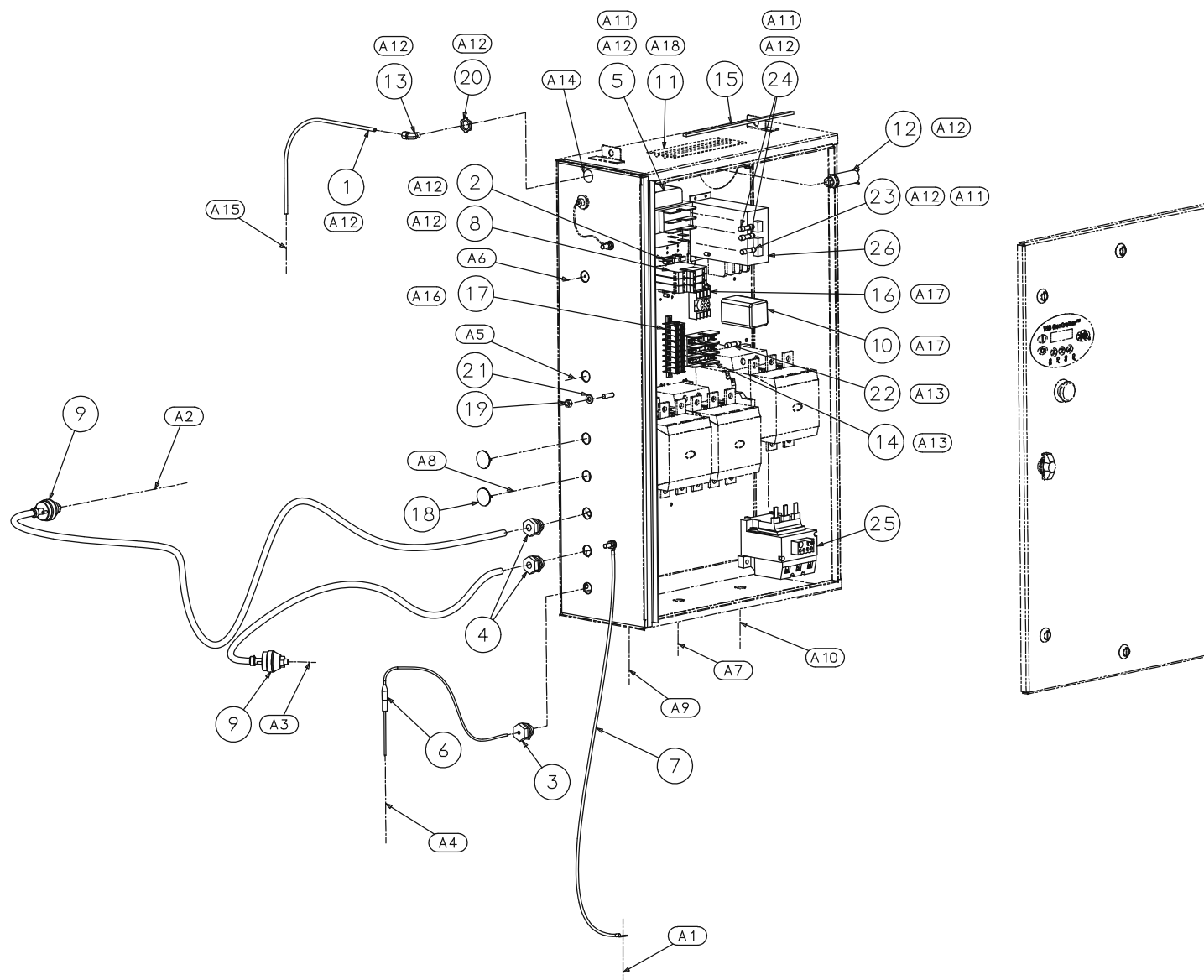
02250161-713R01

1.24 ELECTRICAL CONTROL ASSEMBLY

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250054-861	1ft	tube,nyl .25 od x .040w blk	
2	02250057-245	2	block, term end stop ch	
3	02250071-379	1	grip, cord n4 .125-.187 x 1/2"	
4	02250071-381	2	grip, cord n4 .250-.375 x 1/2"	
5	02250083-186	1	transformer, control 150va univ w.pri fh	
6	02250155-175	1	probe,rtd 100 ohm plat 3.5"x 6ft	
7	02250157-449	1	wire,10 gage ground bond 33" m8	
8	02250158-377	3	relay, sptd din 10a 24vdc coil	
9	02250172-873	2	transducer, pressure 0-250# 12ft cord	
10	47084	1	relay, phase monitor	
11	249008	1	heater, enclosure 50w	
12	250017-992	1	switch, pressure n.o. 10 psi	
13	250018-429	1	elbow, 90 1/4t pls x 1/8 npt m	
14	250019-773	1	holder, fuse ktk-r 3 pole	
15	250022-436	2	weatherstrip, 3/16 x 3/8 ft	
16	250034-430	1	socket, 8pin 480v	
17	250041-102	3	block,terminal kt3	
18	409918-002	2	plug, hole n4 1/2" cond	
19	825908-125	6	nut, hex metric m8 x 1.25	
20	847200-050	1	locknut, conduit 1/2	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
21	883208-166	6	washer, nord-lock pl m8 sp	
22	various	3	dryer	
23	various	1	fuse, fan starter	
24	various	2	fuse, str fuse	
25	various	1	relay, overload	
26	various	1	supply, power	
A1: To frame				
A2: P2-package discharge pressure				
A3: P1-to sump tank wet sump pressure				
A4: T1-to sump tank wet discharge temperature				
A5: Solenoid 1				
A6: Solenoid 2				
A7: Solenoid 5-electric drain				
A8: Solenoid 6- water shutoff valve (wc only)				
A9: Fan motor connection (ac only)				
A10: Motor wiring				
A11: SCD drain option				
A12: Water cooled machines only				
A13: Dryer option only				
A14: Hole to be drilled in box for wc machines				
Continued on page 57				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.24 ELECTRICAL CONTROL ASSEMBLY (CONTINUED)

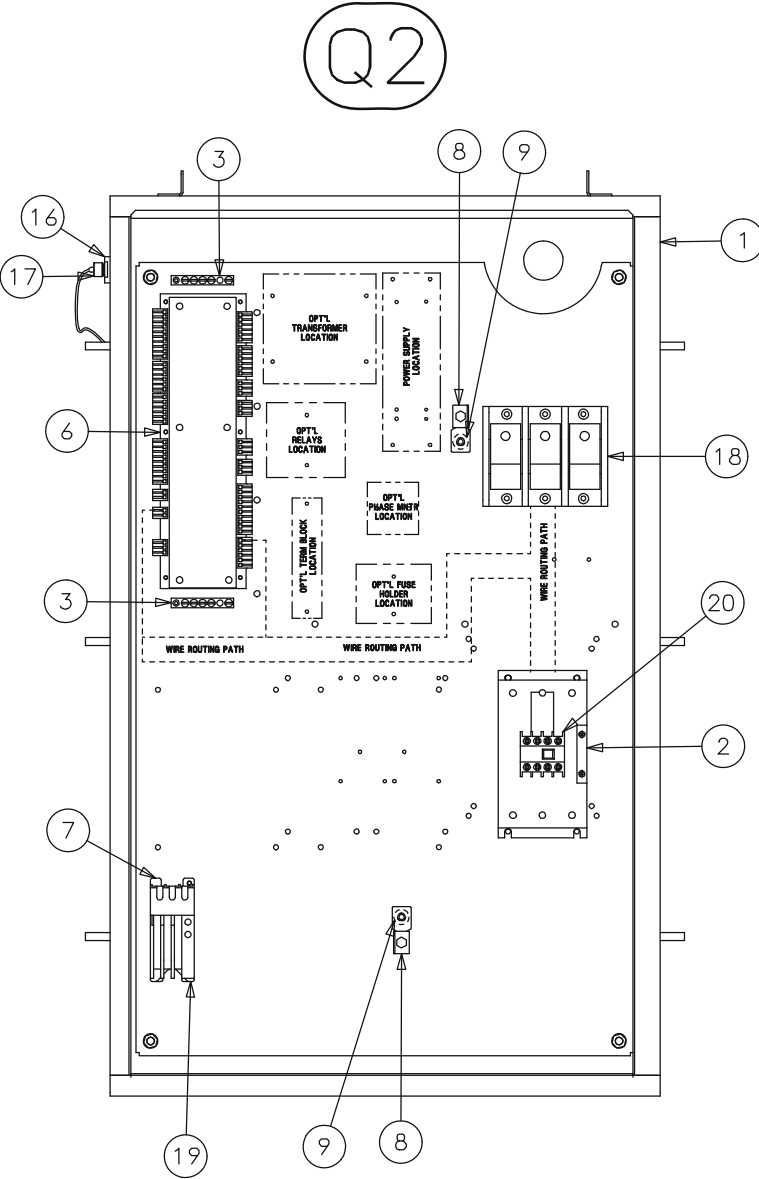
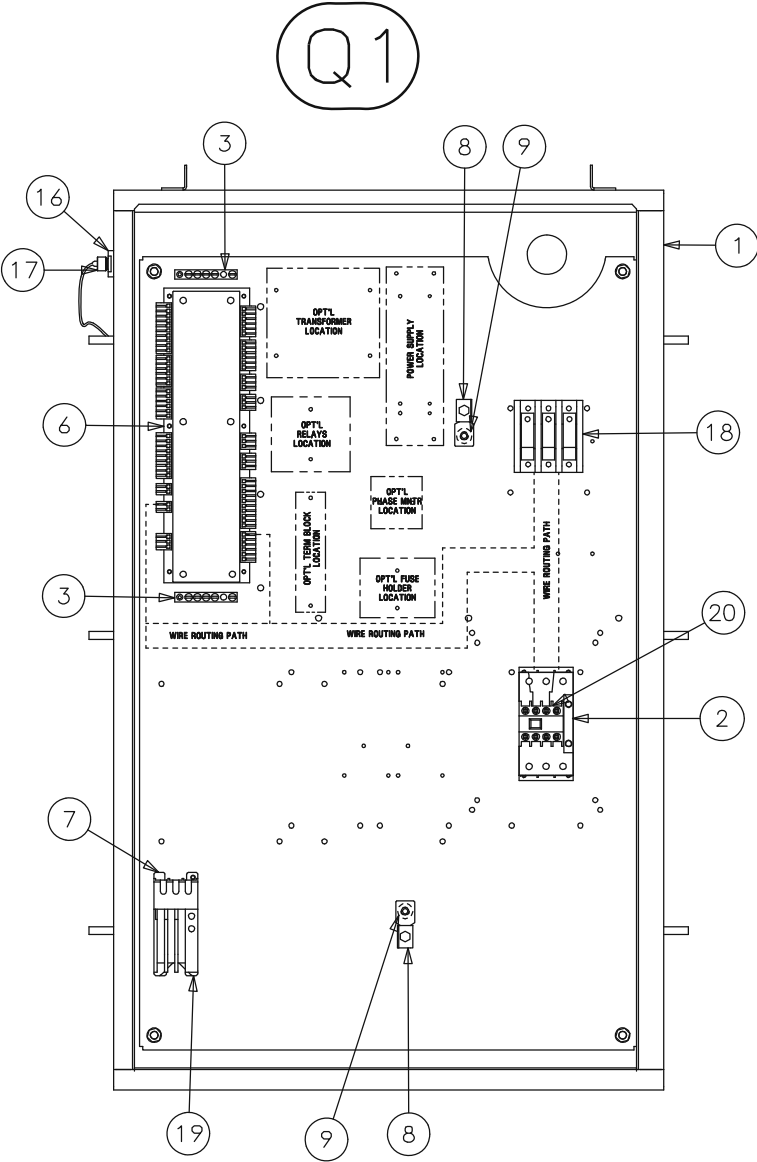


02250161-713R01

1.24 ELECTRICAL CONTROL ASSEMBLY (CONTINUED)

KEY NO.	PART NO.	Q T Y	DESCRIPTION	N O T E
			A15: Psw2-low water pressure (wc only)	
			A16: Heater options only	
			A17: Phase monitor options only	
			A18: Enclosure heater mounted inside of starter box	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.25 CONTROL STARTER - MFV



02250169-587R02

1.25 CONTROL STARTER - MFV

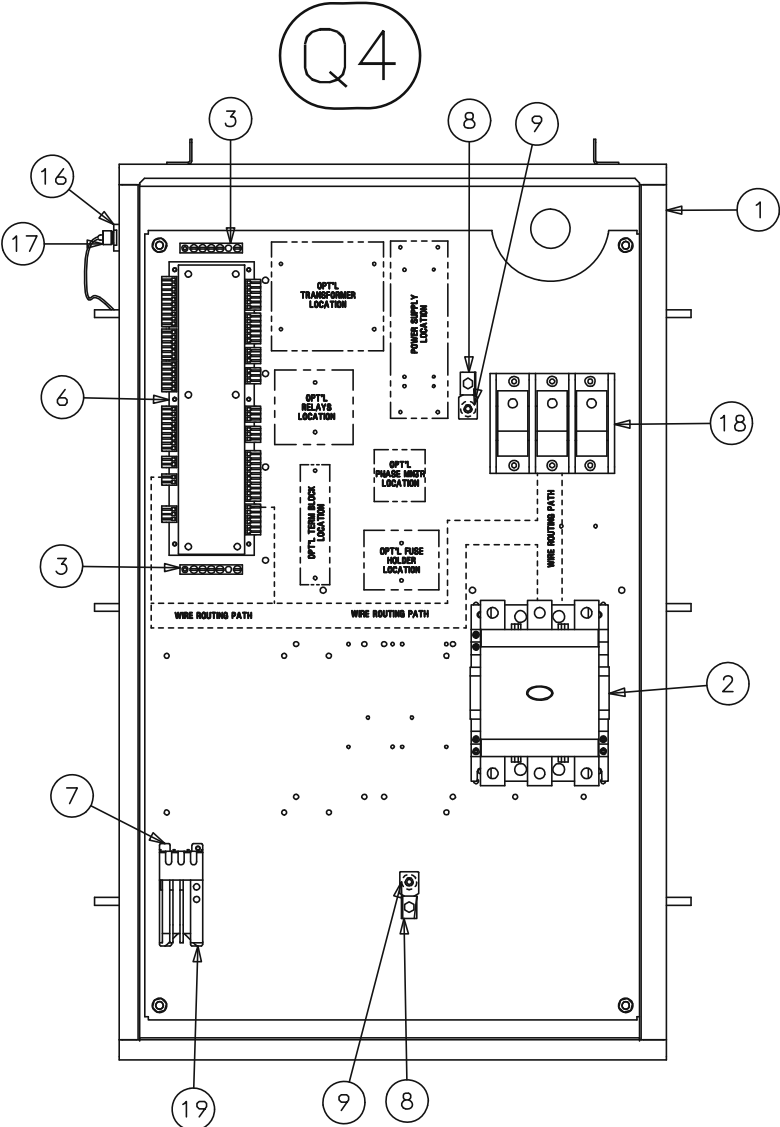
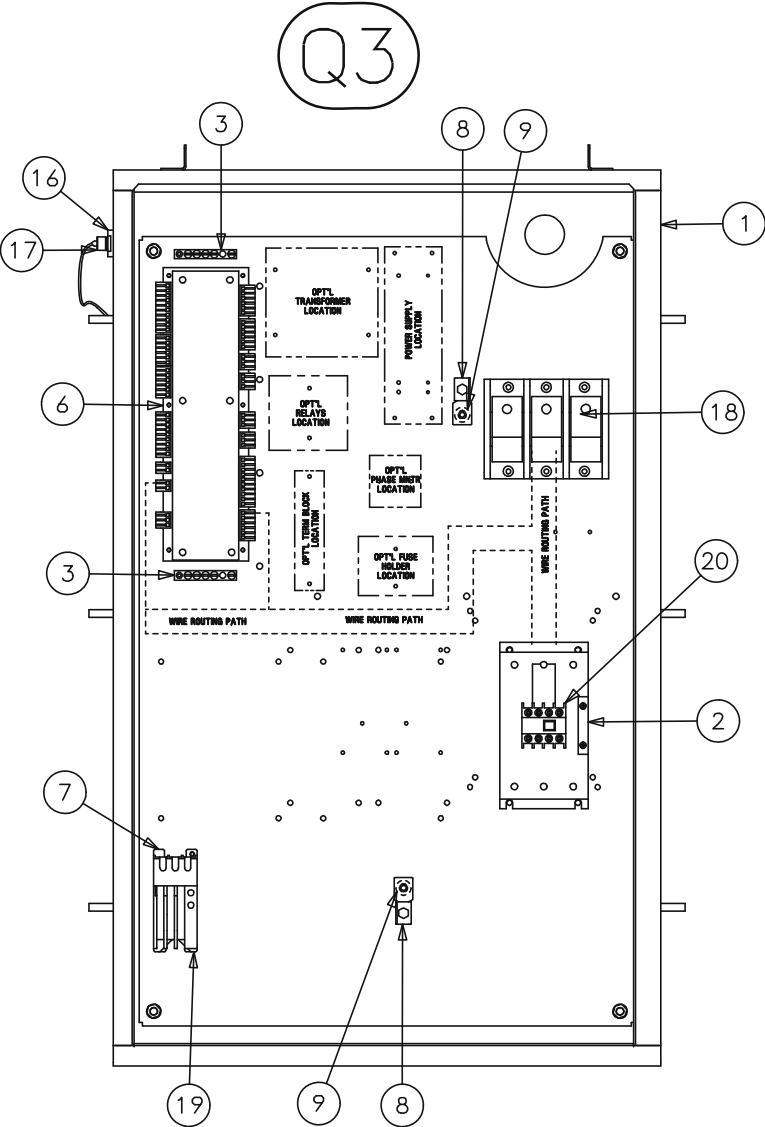
PART NUMBER	02250170-766	02250170-765	02250169-594	02250169-593	02250169-592	02250169-591	02250169-590	02250169-589	02250169-588			
1	1	1	1	1	1	1	1	1	1	02250169-621	1	spec, encl p12/16 22" x 36" x 10"
-	-	-	-	1	-	-	-	-	-	02250167-822	2	cntor, 400a 3p 24vdc xt
-	-	-	-	-	1	-	-	-	-	02250167-821	2	cntor, 225a 3p 24vdc xt
-	-	-	-	-	-	1	-	-	-	02250167-820	2	cntor, 150a 3p 24vdc xt
-	1	-	-	-	-	-	-	-	-	02250170-760	2	cntor, 115a 3p 24vdc xt
-	-	1	-	-	-	-	-	-	-	02250167-819	2	cntor, 95a 3p 24vdc xt
-	-	-	-	-	-	-	-	-	-	02250170-761	2	cntor, 80a 3p 24vdc xt
-	-	-	-	-	-	-	-	-	-	02250167-818	2	cntor, 65a 3p 24vdc xt
2	2	2	2	2	2	2	2	2	2	02250101-721	3	bar, ground 5 post
1	1	1	1	1	1	1	1	1	1	02250154-051	4	ctl, display ws
4	4	4	4	4	4	4	4	4	4	02250161-759	5	spcr,.25dia x .41 long -alum
1	1	1	1	1	1	1	1	1	1	02250154-052	6	ctl, i/o mod ws 24vdc
1	1	1	1	1	1	1	1	1	1	250021-694	7	adapter, o.l.r. base mnt
2	2	2	1	2	2	2	2	2	2	849215-025	8	lug, ground
2	2	2	1	2	2	2	2	2	2	838405-034	9	washer, lock external tooth 5/16"
-	-	1	-	-	-	-	-	-	-	250014-827	10	cb, 100a hmcp
-	-	1	-	-	-	-	-	-	-	250014-127	11	kit, cir brkr disconnect n4
1	1	1	1	1	1	1	1	1	1	02250154-359	12	decals, microprocessor overlay
1	1	1	1	1	1	1	1	1	1	02250085-504	13	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	1	1	1	250027-125	14	block, contact 1 n.c
1	1	1	1	1	1	1	1	1	1	02250081-473	15	npl, yellow ring 45mm e-stop
1	1	1	1	1	1	1	1	1	1	02250159-547	16	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	1	1	1	02250159-549	17	cap, s4 program port nema 6p
-	-	-	-	-	-	-	-	1	1	02250145-195	18	block, power distribution 175 amp
1	1	-	-	1	1	1	1	1	-	02250145-194	18	block, power distribution 310 amp
1	1	1	1	1	1	1	1	1	1	250021-692	19	relay, overload 32a
1	1	-	-	-	-	-	1	1	1	02250167-849	20	blk, aux cont 1no inc front
QTY										PART NO.	ITEM	DESCRIPTION

TORQUE VALUES (IN/LBS)			
SULLAIR P/N	DESCRIPTION	LUG	TERMINALS
02250167-818	cntor, 65a 3p 24vdc 1no xt	29.2	10.6
02250170-761	cntor, 80a 3p 24vdc ino xt	123.9	10.6
02250167-819	cntor, 95a 3p 24vdc 1no xt	123.9	10.6
02250170-760	cntor, 115a 3p 24vdc 1no xt	123.9	10.6
02250167-820	cntor, 150a 3p 24vdc 1no xt	123.9	10.6
02250167-821	cntor, 225a 3p 24vdc 2no-2nc xt	213	10.6
02250167-822	cntor, 400a 3p 24vdc 2no-2nc xt	213	10.6

STARTER ASSEMBLY DESCRIPTION			
part number	description	weight	rev.
02250169-588	start, sy p12/16 65a mf v n4	35 kg	02
02250170-766	start, sy p12/16 80a mf v n4	40 kg	02
02250169-589	start, sy p12/16 95a mf v n4	39 kg	02
02250170-765	start, sy p12/16 115a mf v n4	40 kg	02
02250169-590	start, sy p12/16 150a mf v n4	39 kg	02
02250169-591	start, sy p12/16 225a mf v n4	39 kg	02
02250169-592	start, sy p12/16 400a mf v n4	41 kg	02
02250169-593	start, sy p12/16 l/m n4	33 kg	02
02250169-594	start, sy p12/16 95a mf v cb n4	40 kg	02

DRAWING KEY		
Key	Description	Part No.
Q1	start, asm p12/16 65a mf v n4	02250169-588
Q2	start, asm p12/16 80a mf v n4	02250169-766
	start, asm p12/16 95a mf v n4	02250165-589
Q3	start, asm p12/16 115a mf v n4	02250169-765
	start, asm p12/16 150a mf v n4	02250169-590
Q4	start, asm p12/16 225a mf v n4	02250169-591
Q5	start, asm p12/16 500a mf v n4	02250169-592
Q6	start, asm p12/16 l/m mf v n4	02250169-593
Q7	start, asm p12/16 95a mf v cb n4	02250169-594

1.25 CONTROL STARTER - MFV (CONTINUED)



1.25 CONTROL STARTER - MFV (CONTINUED)

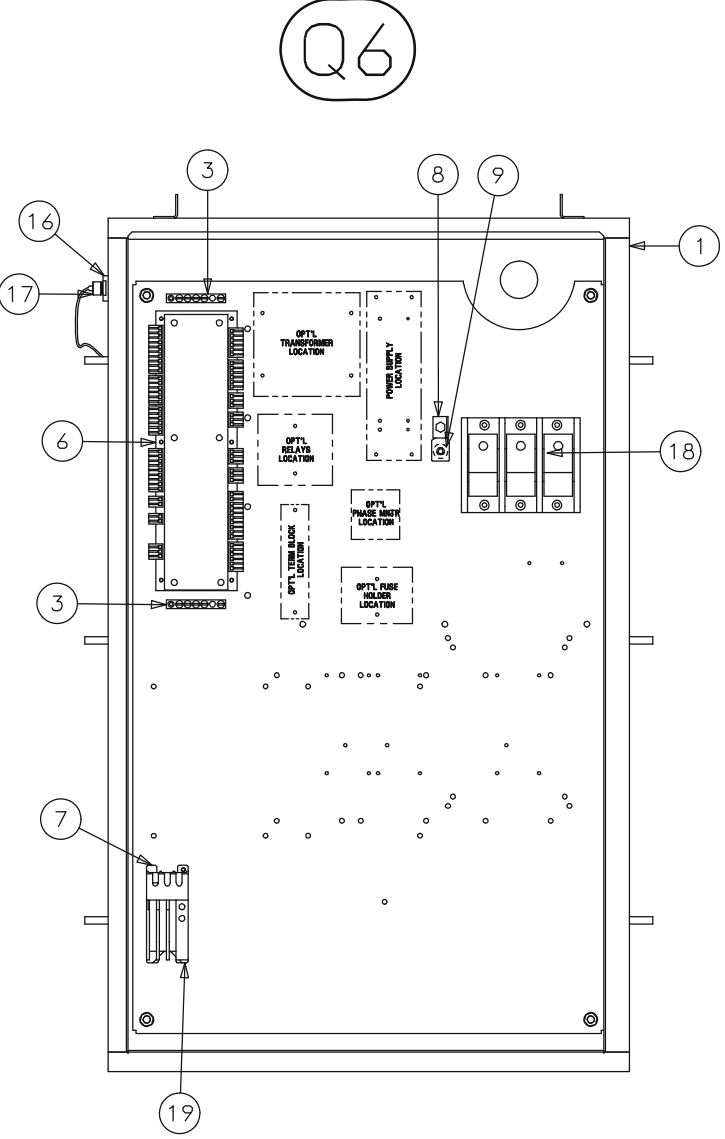
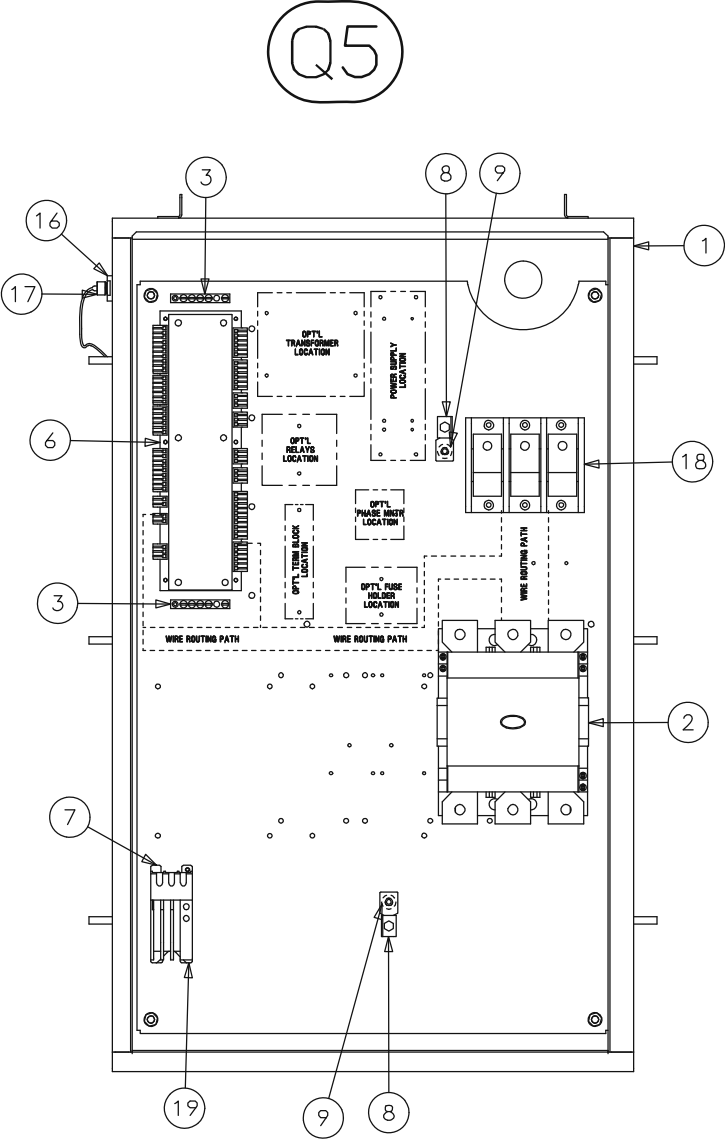
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1	1	1	1	1	1	1	1	1	1	02250169-621	1	spec, encl p12/16 22" x 36" x 10"
-	-	-	-	-	1	-	-	-	-	02250167-822	2	cntor, 400a 3p 24vdc xt
-	-	-	-	-	-	1	-	-	-	02250167-821	2	cntor, 225a 3p 24vdc xt
-	-	-	-	-	-	-	1	-	-	02250167-820	2	cntor, 150a 3p 24vdc xt
-	1	-	-	-	-	-	-	-	-	02250170-760	2	cntor, 115a 3p 24vdc xt
-	-	1	-	-	-	-	-	-	-	02250167-819	2	cntor, 95a 3p 24vdc xt
-	-	-	-	-	-	-	-	-	-	02250170-761	2	cntor, 80a 3p 24vdc xt
-	-	-	-	-	-	-	-	-	-	02250167-818	2	cntor, 65a 3p 24vdc xt
2	2	2	2	2	2	2	2	2	2	02250101-721	3	bar, ground 5 post
1	1	1	1	1	1	1	1	1	1	02250154-051	4	ctl, display ws
4	4	4	4	4	4	4	4	4	4	02250161-759	5	spcr,.25dia x .41 long -alum
1	1	1	1	1	1	1	1	1	1	02250154-052	6	ctl, i/o mod ws 24vdc
1	1	1	1	1	1	1	1	1	1	250021-694	7	adapter, o.l.r. base mnt
2	2	2	1	2	2	2	2	2	2	849215-025	8	lug, ground
2	2	2	1	2	2	2	2	2	2	838405-034	9	washer, lock external tooth 5/16"
-	-	1	-	-	-	-	-	-	-	250014-827	10	cb, 100a hmcp
-	-	1	-	-	-	-	-	-	-	250014-127	11	kit, cir brkr disconnect n4
1	1	1	1	1	1	1	1	1	1	02250154-359	12	dec, microprocessor overlay
1	1	1	1	1	1	1	1	1	1	02250085-504	13	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	1	1	1	250027-125	14	block, contact 1 n.c
1	1	1	1	1	1	1	1	1	1	02250081-473	15	npl, yellow ring 45mm e-stop
1	1	1	1	1	1	1	1	1	1	02250159-547	16	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	1	1	1	02250159-549	17	cap, s4 program port nema 6p
-	-	-	-	-	-	-	-	1	1	02250145-195	18	block, power distribution 175 amp
1	1	-	-	1	1	1	1	1	-	02250145-194	18	block, power distribution 310 amp
1	1	1	1	1	1	1	1	1	1	250021-692	19	relay, overload 32a
1	1	-	-	-	-	-	1	1	1	02250167-849	20	blk, aux cont 1no inc front
QTY										PART NO.	ITEM	DESCRIPTION

TORQUE VALUES (IN/LBS)			
SULLAIR P/N	DESCRIPTION	LUG	TERMINALS
02250167-818	cntor, 65a 3p 24vdc 1no xt	29.2	10.6
02250170-761	cntor, 80a 3p 24vdc ino xt	123.9	10.6
02250167-819	cntor, 95a 3p 24vdc 1no xt	123.9	10.6
02250170-760	cntor, 115a 3p 24vdc 1no xt	123.9	10.6
02250167-820	cntor, 150a 3p 24vdc 1no xt	123.9	10.6
02250167-821	cntor, 225a 3p 24vdc 2no-2nc xt	213	10.6
02250167-822	cntor, 400a 3p 24vdc 2no-2nc xt	213	10.6

STARTER ASSEMBLY DESCRIPTION			
part number	description	weight	rev.
02250169-588	start, sy p12/16 65a mf v n4	35 kg	02
02250170-766	start, sy p12/16 80a mf v n4	40 kg	02
02250169-589	start, sy p12/16 95a mf v n4	39 kg	02
02250170-765	start, sy p12/16 115a mf v n4	40 kg	02
02250169-590	start, sy p12/16 150a mf v n4	39 kg	02
02250169-591	start, sy p12/16 225a mf v n4	39 kg	02
02250169-592	start, sy p12/16 400a mf v n4	41 kg	02
02250169-593	start, sy p12/16 l/m n4	33 kg	02
02250169-594	start, sy p12/16 95a mf v cb n4	40 kg	02

DRAWING KEY		
Key	Description	Part No.
Q1	start, asm p12/16 65a mf v n4	02250169-588
Q2	start, asm p12/16 80a mf v n4	02250169-766
	start, asm p12/16 95a mf v n4	02250165-589
Q3	start, asm p12/16 115a mf v n4	02250169-765
	start, asm p12/16 150a mf v n4	02250169-590
Q4	start, asm p12/16 225a mf v n4	02250169-591
Q5	start, asm p12/16 500a mf v n4	02250169-592
Q6	start, asm p12/16 l/m mf v n4	02250169-593
Q7	start, asm p12/16 95a mf v cb n4	02250169-594

1.25 CONTROL STARTER - MFV (CONTINUED)



02250169-587R02

1.25 CONTROL STARTER - MFV (CONTINUED)

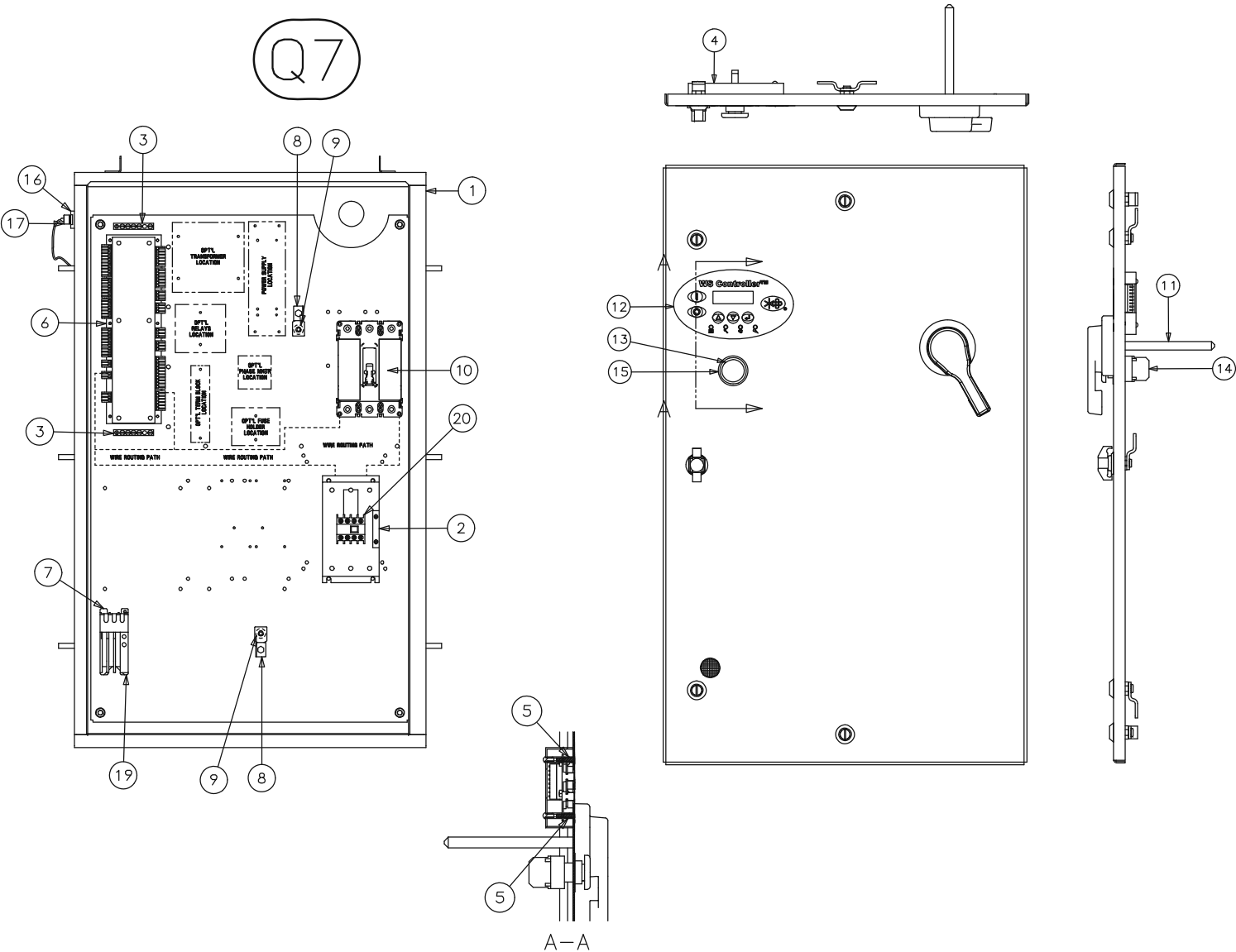
PART NUMBER	02250170-766	02250170-765	02250169-594	02250169-593	02250169-592	02250169-591	02250169-590	02250169-589	02250169-588			
1	1	1	1	1	1	1	1	1	1	02250169-621	1	spec, encl p12/16 22" x 36" x 10"
-	-	-	-	-	1	-	-	-	-	02250167-822	2	cntor, 400a 3p 24vdc xt
-	-	-	-	-	-	1	-	-	-	02250167-821	2	cntor, 225a 3p 24vdc xt
-	-	-	-	-	-	-	1	-	-	02250167-820	2	cntor, 150a 3p 24vdc xt
-	1	-	-	-	-	-	-	-	-	02250170-760	2	cntor, 115a 3p 24vdc xt
-	-	1	-	-	-	-	-	-	-	02250167-819	2	cntor, 95a 3p 24vdc xt
-	-	-	-	-	-	-	-	-	-	02250170-761	2	cntor, 80a 3p 24vdc xt
-	-	-	-	-	-	-	-	-	-	02250167-818	2	cntor, 65a 3p 24vdc xt
2	2	2	2	2	2	2	2	2	2	02250101-721	3	bar, ground 5 post
1	1	1	1	1	1	1	1	1	1	02250154-051	4	ctl, display ws
4	4	4	4	4	4	4	4	4	4	02250161-759	5	spcr,.25dia x .41 long -alum
1	1	1	1	1	1	1	1	1	1	02250154-052	6	ctl, i/o mod ws 24vdc
1	1	1	1	1	1	1	1	1	1	250021-694	7	adapter, o.l.r. base mnt
2	2	2	1	2	2	2	2	2	2	849215-025	8	lug, ground
2	2	2	1	2	2	2	2	2	2	838405-034	9	washer, lock external tooth 5/16"
-	-	1	-	-	-	-	-	-	-	250014-827	10	cb, 100a hmcp
-	-	1	-	-	-	-	-	-	-	250014-127	11	kit, cir brkr disconnect n4
1	1	1	1	1	1	1	1	1	1	02250154-359	12	decal, microprocessor overlay
1	1	1	1	1	1	1	1	1	1	02250085-504	13	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	1	1	1	250027-125	14	block, contact 1 n.c
1	1	1	1	1	1	1	1	1	1	02250081-473	15	npl, yellow ring 45mm e-stop
1	1	1	1	1	1	1	1	1	1	02250159-547	16	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	1	1	1	02250159-549	17	cap, s4 program port nema 6p
-	-	-	-	-	-	-	-	1	1	02250145-195	18	block, power distribution 175 amp
1	1	-	-	1	1	1	1	1	-	02250145-194	18	block, power distribution 310 amp
1	1	1	1	1	1	1	1	1	1	250021-692	19	relay, overload 32a
1	1	-	-	-	-	-	1	1	1	02250167-849	20	blk, aux cont 1no inc front
QTY										PART NO.	ITEM	DESCRIPTION

TORQUE VALUES (IN/LBS)			
SULLAIR P/N	DESCRIPTION	LUG	TERMINALS
02250167-818	cntor, 65a 3p 24vdc 1no xt	29.2	10.6
02250170-761	cntor, 80a 3p 24vdc ino xt	123.9	10.6
02250167-819	cntor, 95a 3p 24vdc 1no xt	123.9	10.6
02250170-760	cntor, 115a 3p 24vdc 1no xt	123.9	10.6
02250167-820	cntor, 150a 3p 24vdc 1no xt	123.9	10.6
02250167-821	cntor, 225a 3p 24vdc 2no-2nc xt	213	10.6
02250167-822	cntor, 400a 3p 24vdc 2no-2nc xt	213	10.6

STARTER ASSEMBLY DESCRIPTION			
part number	description	weight	rev.
02250169-588	start, sy p12/16 65a mf v n4	35 kg	02
02250170-766	start, sy p12/16 80a mf v n4	40 kg	02
02250169-589	start, sy p12/16 95a mf v n4	39 kg	02
02250170-765	start, sy p12/16 115a mf v n4	40 kg	02
02250169-590	start, sy p12/16 150a mf v n4	39 kg	02
02250169-591	start, sy p12/16 225a mf v n4	39 kg	02
02250169-592	start, sy p12/16 400a mf v n4	41 kg	02
02250169-593	start, sy p12/16 l/m n4	33 kg	02
02250169-594	start, sy p12/16 95a mf v cb n4	40 kg	02

DRAWING KEY		
Key	Description	Part No.
Q1	start, asm p12/16 65a mf v n4	02250169-588
Q2	start, asm p12/16 80a mf v n4	02250169-766
	start, asm p12/16 95a mf v n4	02250165-589
Q3	start, asm p12/16 115a mf v n4	02250169-765
	start, asm p12/16 150a mf v n4	02250169-590
Q4	start, asm p12/16 225a mf v n4	02250169-591
Q5	start, asm p12/16 500a mf v n4	02250169-592
Q6	start, asm p12/16 l/m mf v n4	02250169-593
Q7	start, asm p12/16 95a mf v cb n4	02250169-594

1.25 CONTROL STARTER - MFV (CONTINUED)



02250169-587R02

1.25 CONTROL STARTER - MFV (CONTINUED)

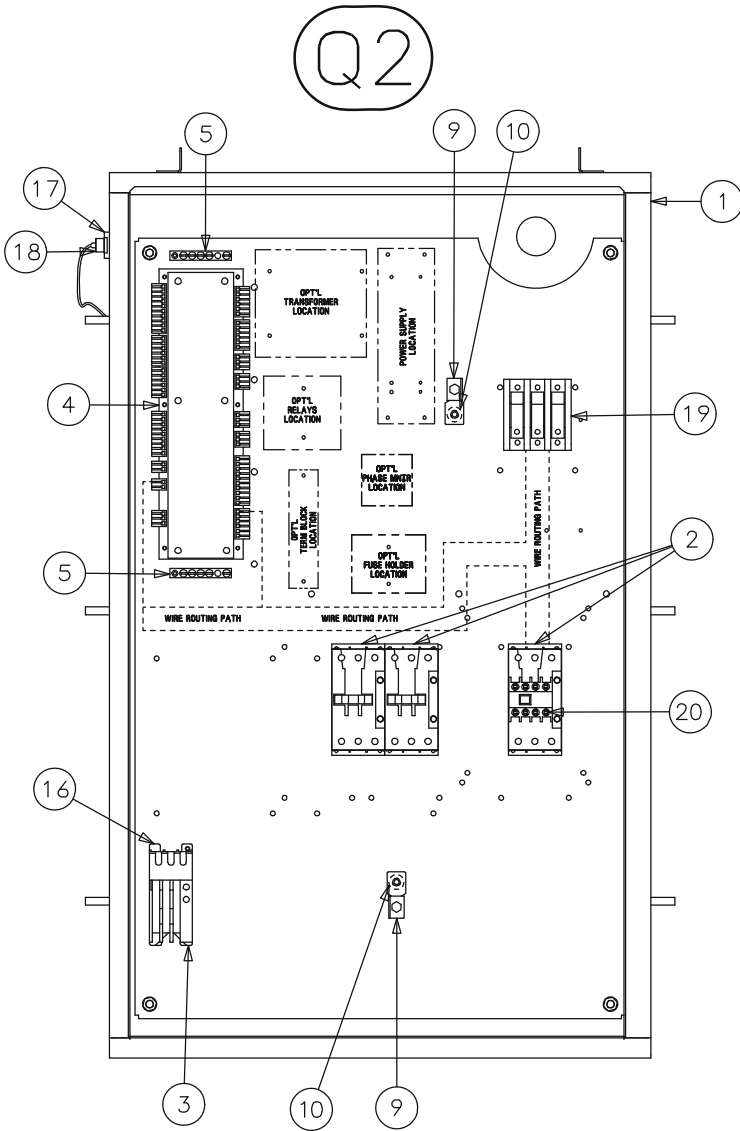
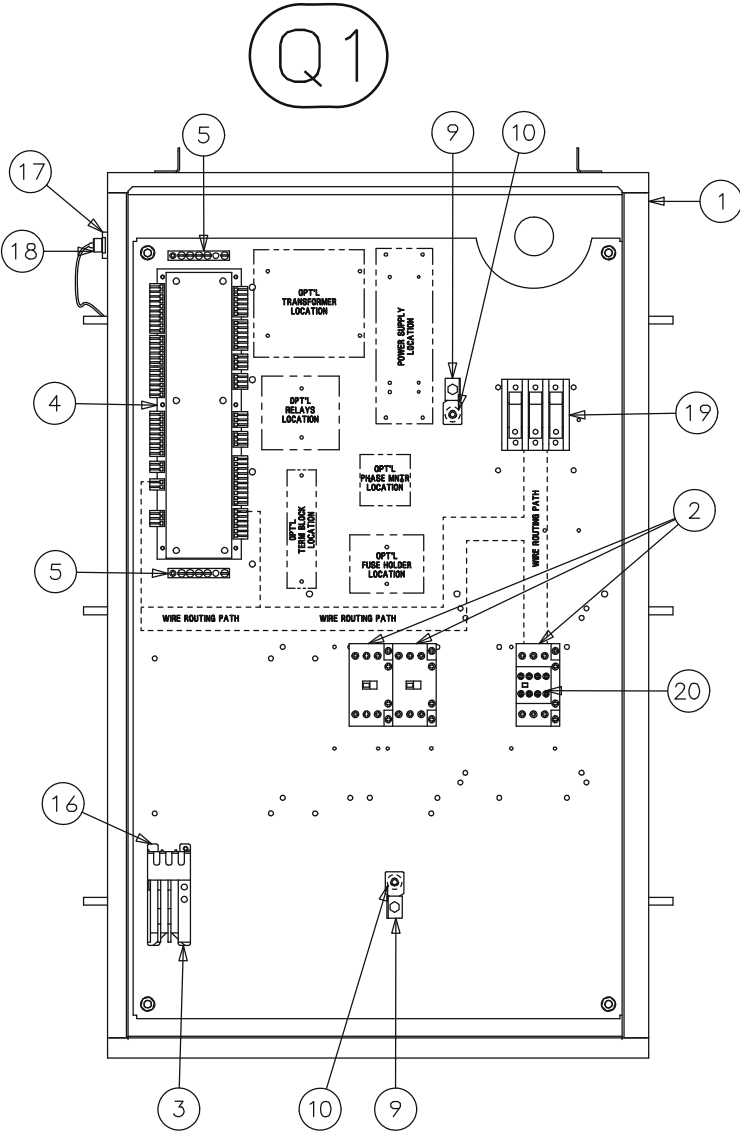
PART NUMBER	02250170-766	02250170-765	02250169-594	02250169-593	02250169-592	02250169-591	02250169-590	02250169-589	02250169-588			
1	1	1	1	1	1	1	1	1	1	02250169-621	1	spec, encl p12/16 22" x 36" x 10"
-	-	-	-	-	1	-	-	-	-	02250167-822	2	cntor, 400a 3p 24vdc xt
-	-	-	-	-	-	1	-	-	-	02250167-821	2	cntor, 225a 3p 24vdc xt
-	-	-	-	-	-	-	1	-	-	02250167-820	2	cntor, 150a 3p 24vdc xt
-	1	-	-	-	-	-	-	-	-	02250170-760	2	cntor, 115a 3p 24vdc xt
-	-	1	-	-	-	-	-	-	-	02250167-819	2	cntor, 95a 3p 24vdc xt
-	-	-	-	-	-	-	-	-	-	02250170-761	2	cntor, 80a 3p 24vdc xt
-	-	-	-	-	-	-	-	-	-	02250167-818	2	cntor, 65a 3p 24vdc xt
2	2	2	2	2	2	2	2	2	2	02250101-721	3	bar, ground 5 post
1	1	1	1	1	1	1	1	1	1	02250154-051	4	ctl, display ws
4	4	4	4	4	4	4	4	4	4	02250161-759	5	spcr,.25dia x .41 long -alum
1	1	1	1	1	1	1	1	1	1	02250154-052	6	ctl, i/o mod ws 24vdc
1	1	1	1	1	1	1	1	1	1	250021-694	7	adapter, o.l.r. base mnt
2	2	2	1	2	2	2	2	2	2	849215-025	8	lug, ground
2	2	2	1	2	2	2	2	2	2	838405-034	9	washer, lock external tooth 5/16"
-	-	1	-	-	-	-	-	-	-	250014-827	10	cb, 100a hmcp
-	-	1	-	-	-	-	-	-	-	250014-127	11	kit, cir brkr disconnect n4
1	1	1	1	1	1	1	1	1	1	02250154-359	12	decal, microprocessor overlay
1	1	1	1	1	1	1	1	1	1	02250085-504	13	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	1	1	1	250027-125	14	block, contact 1 n.c
1	1	1	1	1	1	1	1	1	1	02250081-473	15	npl, yellow ring 45mm e-stop
1	1	1	1	1	1	1	1	1	1	02250159-547	16	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	1	1	1	02250159-549	17	cap, s4 program port nema 6p
-	-	-	-	-	-	-	-	1	1	02250145-195	18	block, power distribution 175 amp
1	1	-	-	1	1	1	1	1	-	02250145-194	18	block, power distribution 310 amp
1	1	1	1	1	1	1	1	1	1	250021-692	19	relay, overload 32a
1	1	-	-	-	-	-	1	1	1	02250167-849	20	blk, aux cont 1no inc front
QTY										PART NO.	ITEM	DESCRIPTION

TORQUE VALUES (IN/LBS)			
SULLAIR P/N	DESCRIPTION	LUG	TERMINALS
02250167-818	cntor, 65a 3p 24vdc 1no xt	29.2	10.6
02250170-761	cntor, 80a 3p 24vdc ino xt	123.9	10.6
02250167-819	cntor, 95a 3p 24vdc 1no xt	123.9	10.6
02250170-760	cntor, 115a 3p 24vdc 1no xt	123.9	10.6
02250167-820	cntor, 150a 3p 24vdc 1no xt	123.9	10.6
02250167-821	cntor, 225a 3p 24vdc 2no-2nc xt	213	10.6
02250167-822	cntor, 400a 3p 24vdc 2no-2nc xt	213	10.6

STARTER ASSEMBLY DESCRIPTION			
part number	description	weight	rev.
02250169-588	start, sy p12/16 65a mf v n4	35 kg	02
02250170-766	start, sy p12/16 80a mf v n4	40 kg	02
02250169-589	start, sy p12/16 95a mf v n4	39 kg	02
02250170-765	start, sy p12/16 115a mf v n4	40 kg	02
02250169-590	start, sy p12/16 150a mf v n4	39 kg	02
02250169-591	start, sy p12/16 225a mf v n4	39 kg	02
02250169-592	start, sy p12/16 400a mf v n4	41 kg	02
02250169-593	start, sy p12/16 l/m n4	33 kg	02
02250169-594	start, sy p12/16 95a mf v cb n4	40 kg	02

DRAWING KEY		
Key	Description	Part No.
Q1	start, asm p12/16 65a mf v n4	02250169-588
Q2	start, asm p12/16 80a mf v n4	02250169-766
	start, asm p12/16 95a mf v n4	02250165-589
Q3	start, asm p12/16 115a mf v n4	02250169-765
	start, asm p12/16 150a mf v n4	02250169-590
Q4	start, asm p12/16 225a mf v n4	02250169-591
Q5	start, asm p12/16 500a mf v n4	02250169-592
Q6	start, asm p12/16 l/m mf v n4	02250169-593
Q7	start, asm p12/16 95a mf v cb n4	02250169-594

1.26 CONTROL STARTER - WYE-DELTA



02250169-659R02

1.26 CONTROL STARTER - WYE-DELTA

PART NUMBER	02250169-917	02250169-664	02250169-663	02250169-662	02250169-661	02250169-660			
1	1	1	1	1	1	1	02250169-621	1	spec, encl p12/16 22" x 36" x 10"
-	-	-	-	-	-	3	02250167-817	2	cntor,32a 3p 24vdc xt
3	-	-	-	-	3	-	02250167-818	2	cntor,65a 3p 24vdc xt
-	-	-	-	3	-	-	02250167-819	2	cntor,95a 3p 24vdc xt
-	-	3	-	-	-	-	02250167-820	2	cntor,150a 3p 24vdc xt
-	3	-	-	-	-	-	02250167-821	2	cntor,225a 3p 24vdc xt
1	1	1	1	1	1	1	250021-692	3	relay, overload 32a
1	1	1	1	1	1	1	02250154-052	4	ctl, i/o mod ws 24vdc
2	2	2	2	2	2	2	02250101-721	5	bar, ground 5 post
1	1	1	1	1	1	1	02250154-051	6	ctl, display ws
1	1	1	1	1	1	1	02250154-359	7	decal, microprocessor overlay
4	4	4	4	4	4	4	02250161-759	8	spacer, 6.35 dia x 10.4 long alum
2	2	2	2	2	2	2	849215-025	9	lug, ground
2	2	2	2	2	2	2	838405-034	10	washer, lock external tooth 5/16"
1	-	-	-	-	-	-	250014-827	11	cb, 100a hmcp
1	-	-	-	-	-	-	250014-127	12	kit, cir bkr disconnect n4
1	1	1	1	1	1	1	02250085-504	13	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	250027-125	14	block, contact 1 n.c
1	1	1	1	1	1	1	02250081-473	15	npl, yellow ring 45mm e-stop
1	1	1	1	1	1	1	250021-694	16	adapter, o.l.r. base mnt
1	1	1	1	1	1	1	02250159-547	17	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	02250159-549	18	cap, s4 program port nema 6p
-	-	-	-	-	1	1	02250145-195	19	block, power distribution 175 amp
-	1	1	1	-	-	-	02250145-194	19	block, power distribution 310 amp
1	-	1	1	1	-	-	02250167-849	20	blk, aux cant 1no 1nc front
-	-	-	-	-	-	1	02250167-843	20	blk, aux cant 1no 1nc front
QTY							PART NO.	ITEM	DESCRIPTION

DRAWING KEY

Key	Description	Part No.
Q1	start, asm p12/16 32a yd n4	02250169-660
Q2	start, asm p12/16 65a yd n4	02250169-661
Q3	start, asm p12/16 95a yd n4	02250169-662
Q4	start, asm p12/16 150a yd n4	02250169-663
Q5	start, asm p12/16 225a yd n4	02250169-664
Q6	start, asm p12/16 65a yd cb n4	02250169-917

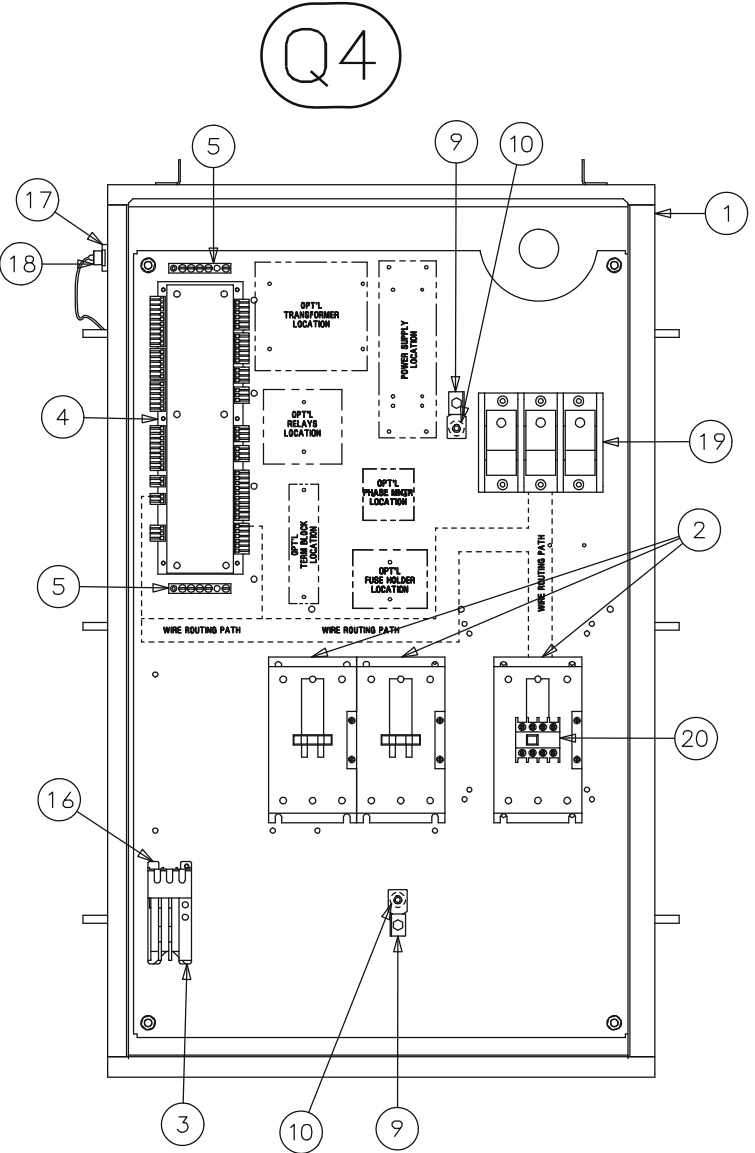
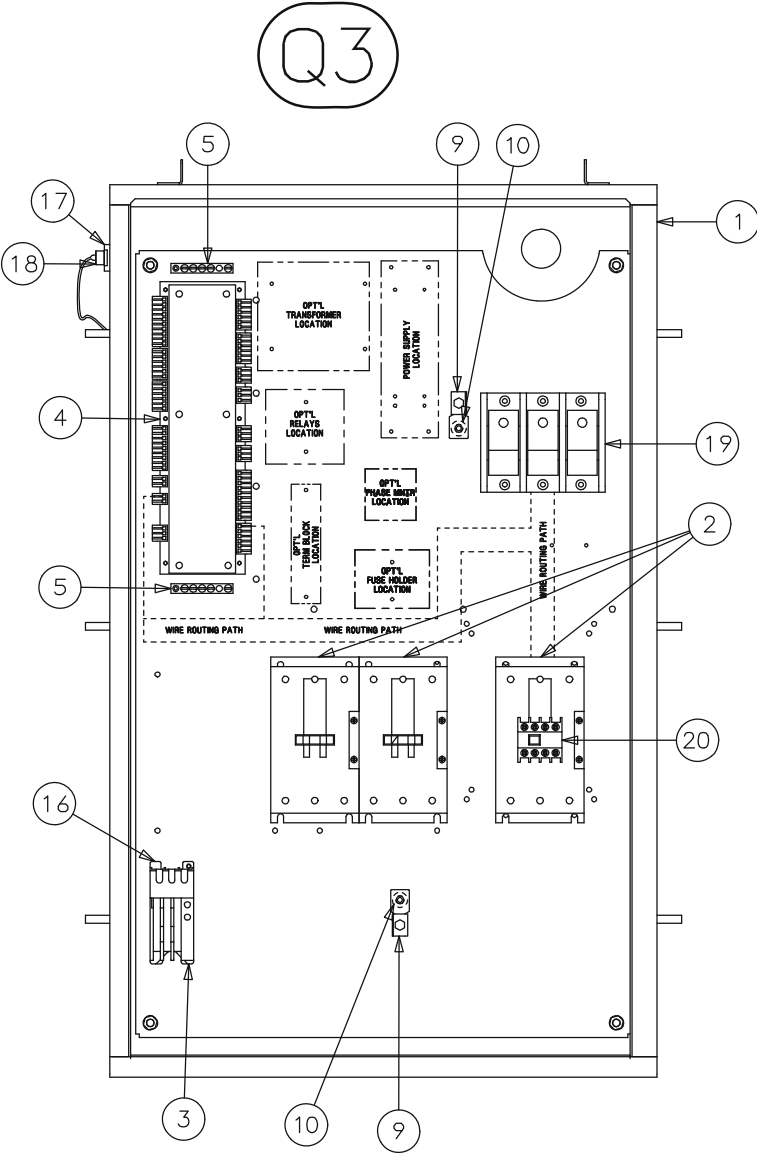
TORQUE VALUES (IN/LBS)

SULLAIR P/N	DESCRIPTION	LUG	TERMINALS
02250167-817	cntor,32a 3p 24vac 1no xt	26.6	10.6
02250167-818	cntor,65a 3p 24vac 1no xt	29.2	10.6
02250167-819	cntor,95a 3p 24vac 1no xt	123.9	10.6
02250167-820	cntor,150a 3p 24vac 1no xt	123.9	10.6
02250167-821	cntor,225a 3p 24vac 1no xt	213	10.6

STARTER ASSEMBLY DESCRIPTIONS

PART NUMBER	DESCRIPTION	WEIGHT	REV.
02250169-660	start, asy p12/16 32a yd n4	43 kg	02
02250169-661	start, asy p12/16 65a yd n4	50 kg	02
02250169-662	start, asy p12/16 95a yd n4	75 kg	02
02250169-663	start, asy p12/16 150a yd n4	48 kg	02
02250169-664	start, asy p12/16 225a yd n4	48 kg	02
02250169-917	start, asy p12/16 65a ydcb n4	48 kg	02

1.26 CONTROL STARTER - WYE-DELTA (CONTINUED)



02250169-659R02

1.26 CONTROL STARTER - WYE-DELTA (CONTINUED)

PART NUMBER	02250169-917	02250169-664	02250169-663	02250169-662	02250169-661	02250169-660			
1	1	1	1	1	1	1	02250169-621	1	spec, encl p12/16 22" x 36" x 10"
-	-	-	-	-	-	3	02250167-817	2	cntor,32a 3p 24vdc xt
3	-	-	-	-	3	-	02250167-818	2	cntor,65a 3p 24vdc xt
-	-	-	-	3	-	-	02250167-819	2	cntor,95a 3p 24vdc xt
-	-	3	-	-	-	-	02250167-820	2	cntor,150a 3p 24vdc xt
-	3	-	-	-	-	-	02250167-821	2	cntor,225a 3p 24vdc xt
1	1	1	1	1	1	1	250021-692	3	relay, overload 32a
1	1	1	1	1	1	1	02250154-052	4	ctl, i/o mod ws 24vdc
2	2	2	2	2	2	2	02250101-721	5	bar, ground 5 post
1	1	1	1	1	1	1	02250154-051	6	ctl, display ws
1	1	1	1	1	1	1	02250154-359	7	decal, microprocessor overlay
4	4	4	4	4	4	4	02250161-759	8	spacer, 6.35 dia x 10.4 long alum
2	2	2	2	2	2	2	849215-025	9	lug, ground
2	2	2	2	2	2	2	838405-034	10	washer, lock external tooth 5/16"
1	-	-	-	-	-	-	250014-827	11	cb, 100a hmcp
1	-	-	-	-	-	-	250014-127	12	kit, cir bkr disconnect n4
1	1	1	1	1	1	1	02250085-504	13	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	250027-125	14	block, contact 1 n.c
1	1	1	1	1	1	1	02250081-473	15	npl, yellow ring 45mm e-stop
1	1	1	1	1	1	1	250021-694	16	adapter, o.l.r. base mnt
1	1	1	1	1	1	1	02250159-547	17	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	02250159-549	18	cap, s4 program port nema 6p
-	-	-	-	-	1	1	02250145-195	19	block, power distribution 175 amp
-	1	1	1	-	-	-	02250145-194	19	block, power distribution 310 amp
1	-	1	1	1	1	-	02250167-849	20	blk, aux cant 1no 1nc front
-	-	-	-	-	-	1	02250167-843	20	blk, aux cant 1no 1nc front
QTY							PART NO.	ITEM	DESCRIPTION

DRAWING KEY

Key	Description	Part No.
Q1	start, asm p12/16 32a yd n4	02250169-660
Q2	start, asm p12/16 65a yd n4	02250169-661
Q3	start, asm p12/16 95a yd n4	02250169-662
Q4	start, asm p12/16 150a yd n4	02250169-663
Q5	start, asm p12/16 225a yd n4	02250169-664
Q6	start, asm p12/16 65a yd cb n4	02250169-917

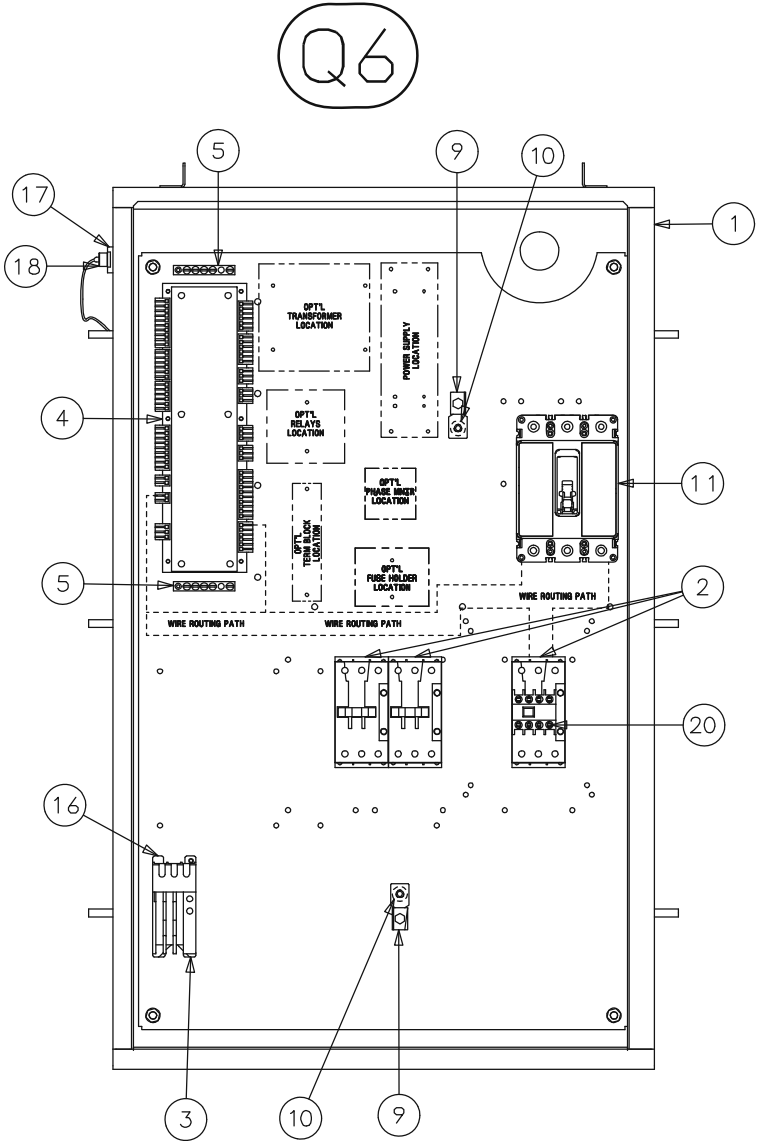
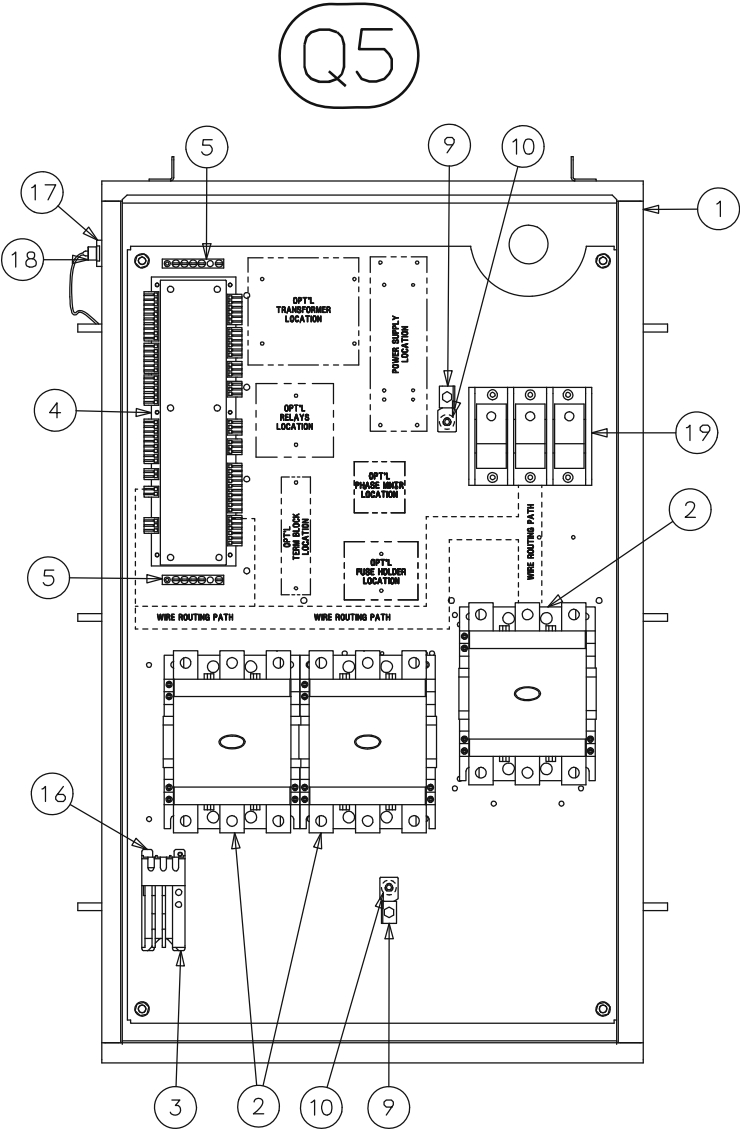
TORQUE VALUES (IN/LBS)

SULLAIR P/N	DESCRIPTION	LUG	TERMINALS
02250167-817	cntor,32a 3p 24vac 1no xt	26.6	10.6
02250167-818	cntor,65a 3p 24vac 1no xt	29.2	10.6
02250167-819	cntor,95a 3p 24vac 1no xt	123.9	10.6
02250167-820	cntor,150a 3p 24vac 1no xt	123.9	10.6
02250167-821	cntor,225a 3p 24vac 1no xt	213	10.6

STARTER ASSEMBLY DESCRIPTIONS

PART NUMBER	DESCRIPTION	WEIGHT	REV.
02250169-660	start, asy p12/16 32a yd n4	43 kg	02
02250169-661	start, asy p12/16 65a yd n4	50 kg	02
02250169-662	start, asy p12/16 95a yd n4	75 kg	02
02250169-663	start, asy p12/16 150a yd n4	48 kg	02
02250169-664	start, asy p12/16 225a yd n4	48 kg	02
02250169-917	start, asy p12/16 65a ydcb n4	48 kg	02

1.26 CONTROL STARTER - WYE-DELTA (CONTINUED)



02250169-659R02

1.26 CONTROL STARTER - WYE-DELTA (CONTINUED)

PART NUMBER	02250169-917	02250169-664	02250169-663	02250169-662	02250169-661	02250169-660			
1	1	1	1	1	1	1	02250169-621	1	spec, encl p12/16 22" x 36" x 10"
-	-	-	-	-	-	3	02250167-817	2	cntor,32a 3p 24vdc xt
3	-	-	-	-	3	-	02250167-818	2	cntor,65a 3p 24vdc xt
-	-	-	-	3	-	-	02250167-819	2	cntor,95a 3p 24vdc xt
-	-	3	-	-	-	-	02250167-820	2	cntor,150a 3p 24vdc xt
-	3	-	-	-	-	-	02250167-821	2	cntor,225a 3p 24vdc xt
1	1	1	1	1	1	1	250021-692	3	relay, overload 32a
1	1	1	1	1	1	1	02250154-052	4	ctl, i/o mod ws 24vdc
2	2	2	2	2	2	2	02250101-721	5	bar, ground 5 post
1	1	1	1	1	1	1	02250154-051	6	ctl, display ws
1	1	1	1	1	1	1	02250154-359	7	decal, microprocessor overlay
4	4	4	4	4	4	4	02250161-759	8	spacer, 6.35 dia x 10.4 long alum
2	2	2	2	2	2	2	849215-025	9	lug, ground
2	2	2	2	2	2	2	838405-034	10	washer, lock external tooth 5/16"
1	-	-	-	-	-	-	250014-827	11	cb, 100a hmcp
1	-	-	-	-	-	-	250014-127	12	kit, cir bkr disconnect n4
1	1	1	1	1	1	1	02250085-504	13	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	250027-125	14	block, contact 1 n.c
1	1	1	1	1	1	1	02250081-473	15	npl, yellow ring 45mm e-stop
1	1	1	1	1	1	1	250021-694	16	adapter, o.l.r. base mnt
1	1	1	1	1	1	1	02250159-547	17	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	02250159-549	18	cap, s4 program port nema 6p
-	-	-	-	-	1	1	02250145-195	19	block, power distribution 175 amp
-	1	1	1	-	-	-	02250145-194	19	block, power distribution 310 amp
1	-	1	1	1	-	-	02250167-849	20	blk, aux cant 1no 1nc front
-	-	-	-	-	-	1	02250167-843	20	blk, aux cant 1no 1nc front
QTY							PART NO.	ITEM	DESCRIPTION

DRAWING KEY

Key	Description	Part No.
Q1	start, asm p12/16 32a yd n4	02250169-660
Q2	start, asm p12/16 65a yd n4	02250169-661
Q3	start, asm p12/16 95a yd n4	02250169-662
Q4	start, asm p12/16 150a yd n4	02250169-663
Q5	start, asm p12/16 225a yd n4	02250169-664
Q6	start, asm p12/16 65a yd cb n4	02250169-917

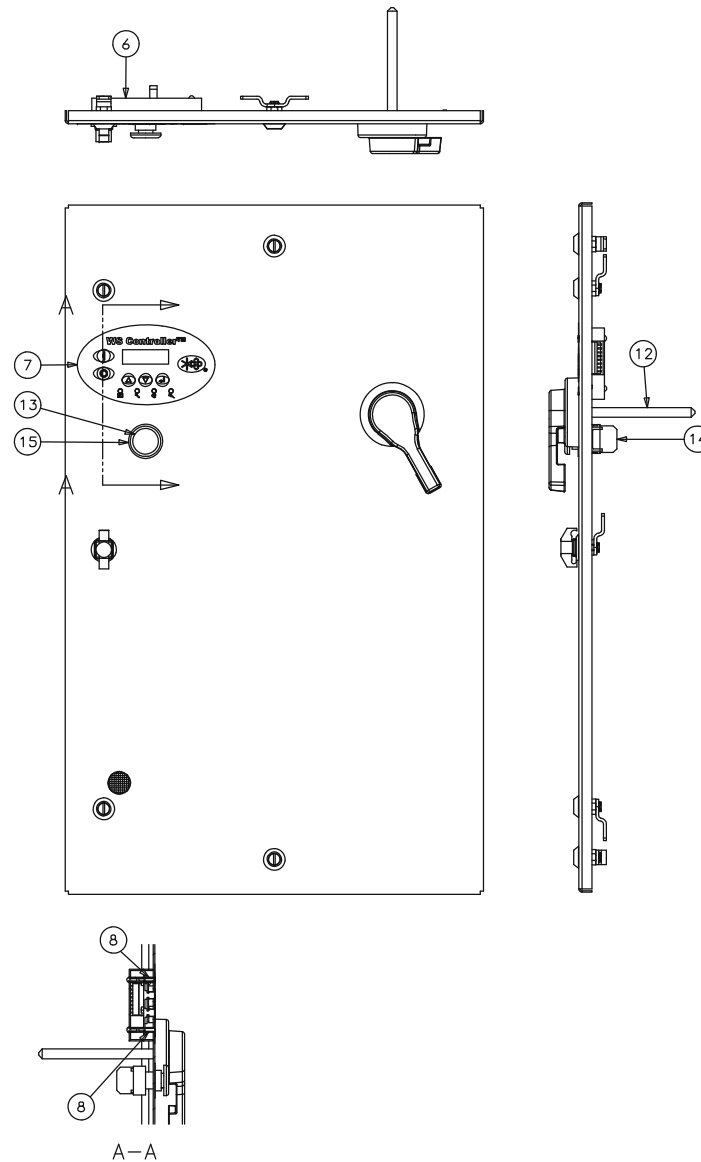
TORQUE VALUES (IN/LBS)

SULLAIR P/N	DESCRIPTION	LUG	TERMINALS
02250167-817	cntor,32a 3p 24vac 1no xt	26.6	10.6
02250167-818	cntor,65a 3p 24vac 1no xt	29.2	10.6
02250167-819	cntor,95a 3p 24vac 1no xt	123.9	10.6
02250167-820	cntor,150a 3p 24vac 1no xt	123.9	10.6
02250167-821	cntor,225a 3p 24vac 1no xt	213	10.6

STARTER ASSEMBLY DESCRIPTIONS

PART NUMBER	DESCRIPTION	WEIGHT	REV.
02250169-660	start, asy p12/16 32a yd n4	43 kg	02
02250169-661	start, asy p12/16 65a yd n4	50 kg	02
02250169-662	start, asy p12/16 95a yd n4	75 kg	02
02250169-663	start, asy p12/16 150a yd n4	48 kg	02
02250169-664	start, asy p12/16 225a yd n4	48 kg	02
02250169-917	start, asy p12/16 65a ydcb n4	48 kg	02

1.26 CONTROL STARTER - WYE-DELTA (CONTINUED)



02250169-659R02

1.26 CONTROL STARTER - WYE-DELTA (CONTINUED)

PART NUMBER	02250169-917	02250169-664	02250169-663	02250169-662	02250169-661	02250169-660			
1	1	1	1	1	1	1	02250169-621	1	spec, encl p12/16 22" x 36" x 10"
-	-	-	-	-	-	3	02250167-817	2	cntor,32a 3p 24vdc xt
3	-	-	-	-	3	-	02250167-818	2	cntor,65a 3p 24vdc xt
-	-	-	-	3	-	-	02250167-819	2	cntor,95a 3p 24vdc xt
-	-	3	-	-	-	-	02250167-820	2	cntor,150a 3p 24vdc xt
-	3	-	-	-	-	-	02250167-821	2	cntor,225a 3p 24vdc xt
1	1	1	1	1	1	1	250021-692	3	relay, overload 32a
1	1	1	1	1	1	1	02250154-052	4	ctl, i/o mod ws 24vdc
2	2	2	2	2	2	2	02250101-721	5	bar, ground 5 post
1	1	1	1	1	1	1	02250154-051	6	ctl, display ws
1	1	1	1	1	1	1	02250154-359	7	decal, microprocessor overlay
4	4	4	4	4	4	4	02250161-759	8	spacer, 6.35 dia x 10.4 long alum
2	2	2	2	2	2	2	849215-025	9	lug, ground
2	2	2	2	2	2	2	838405-034	10	washer, lock external tooth 5/16"
1	-	-	-	-	-	-	250014-827	11	cb, 100a hmcp
1	-	-	-	-	-	-	250014-127	12	kit, cir bkr disconnect n4
1	1	1	1	1	1	1	02250085-504	13	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	250027-125	14	block, contact 1 n.c
1	1	1	1	1	1	1	02250081-473	15	npl, yellow ring 45mm e-stop
1	1	1	1	1	1	1	250021-694	16	adapter, o.l.r. base mnt
1	1	1	1	1	1	1	02250159-547	17	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	02250159-549	18	cap, s4 program port nema 6p
-	-	-	-	-	1	1	02250145-195	19	block, power distribution 175 amp
-	1	1	1	-	-	-	02250145-194	19	block, power distribution 310 amp
1	-	1	1	1	1	-	02250167-849	20	blk, aux cant 1no 1nc front
-	-	-	-	-	-	1	02250167-843	20	blk, aux cant 1no 1nc front
QTY							PART NO.	ITEM	DESCRIPTION

DRAWING KEY

Key	Description	Part No.
Q1	start, asm p12/16 32a yd n4	02250169-660
Q2	start, asm p12/16 65a yd n4	02250169-661
Q3	start, asm p12/16 95a yd n4	02250169-662
Q4	start, asm p12/16 150a yd n4	02250169-663
Q5	start, asm p12/16 225a yd n4	02250169-664
Q6	start, asm p12/16 65a yd cb n4	02250169-917

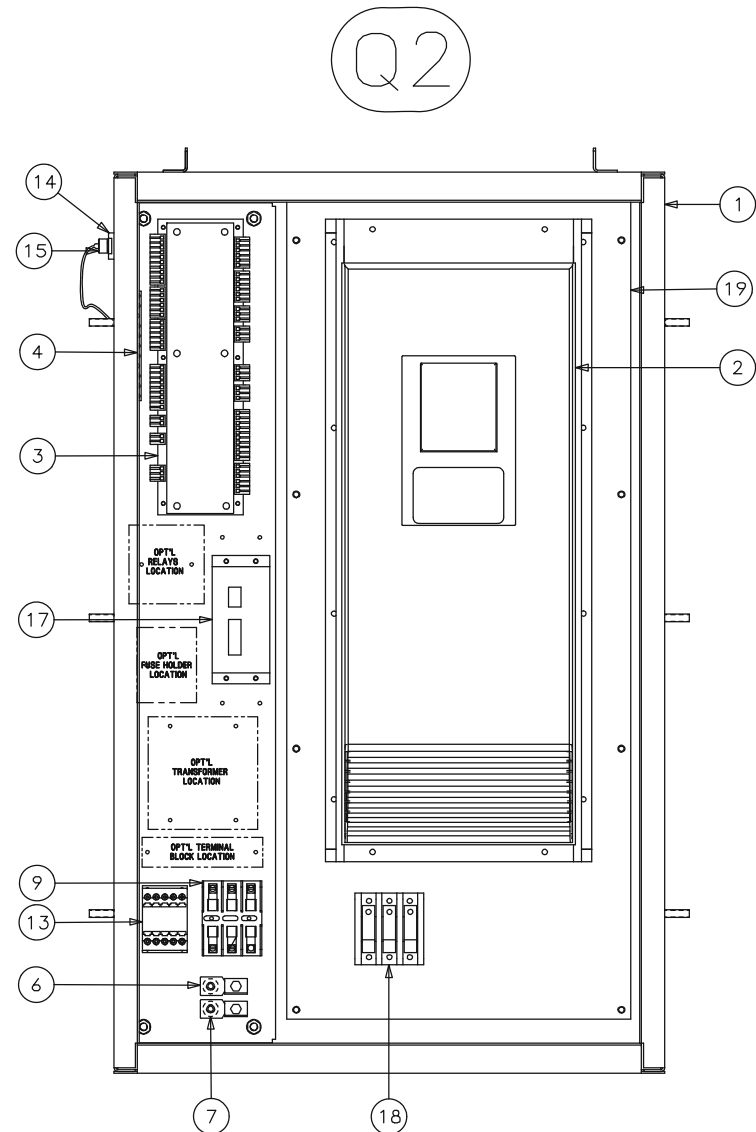
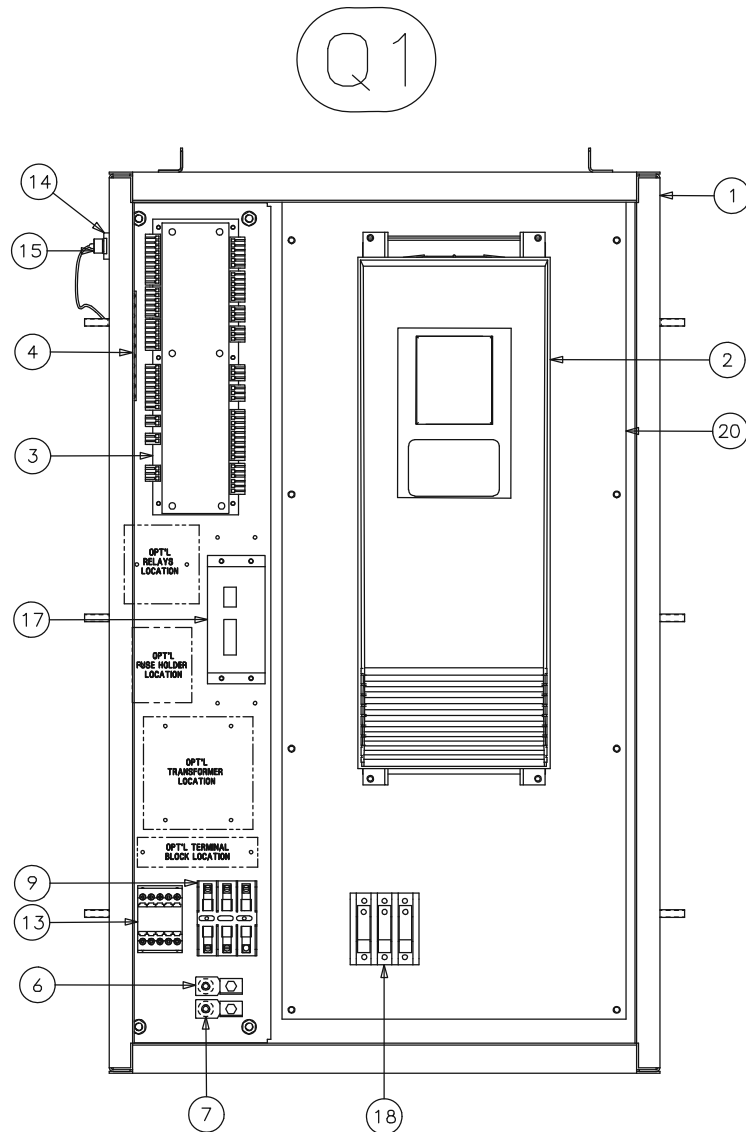
TORQUE VALUES (IN/LBS)

SULLAIR P/N	DESCRIPTION	LUG	TERMINALS
02250167-817	cntor,32a 3p 24vac 1no xt	26.6	10.6
02250167-818	cntor,65a 3p 24vac 1no xt	29.2	10.6
02250167-819	cntor,95a 3p 24vac 1no xt	123.9	10.6
02250167-820	cntor,150a 3p 24vac 1no xt	123.9	10.6
02250167-821	cntor,225a 3p 24vac 1no xt	213	10.6

STARTER ASSEMBLY DESCRIPTIONS

PART NUMBER	DESCRIPTION	WEIGHT	REV.
02250169-660	start, asy p12/16 32a yd n4	43 kg	02
02250169-661	start, asy p12/16 65a yd n4	50 kg	02
02250169-662	start, asy p12/16 95a yd n4	75 kg	02
02250169-663	start, asy p12/16 150a yd n4	48 kg	02
02250169-664	start, asy p12/16 225a yd n4	48 kg	02
02250169-917	start, asy p12/16 65a ydcb n4	48 kg	02

1.27 CONTROL STARTER - VSD N12



02250169-392R01

1.27 CONTROL STARTER - VSD N12

PART NO.	02250169-563	02250169-560	02250169-559	02250169-558	02250169-557	02250169-556	02250169-555	02250169-554			
1	1	1	1	1	1	1	1	1	02250168-846	1	spec, encl p8/10 22" x 36" x 10"
-	1	-	-	-	-	-	-	-	02250157-727	2	drive, vfd c-h 575v 80a nema12
-	-	1	-	-	-	-	-	-	02250157-726	2	drive, vfd c-h 575v 62a nema12
-	-	-	1	-	-	-	-	-	02250157-725	2	drive, vfd c-h 575v 52a nema12
-	-	-	-	1	-	-	-	-	02250157-719	2	drive, vfd c-h 380/460v 105a nema12
-	-	-	-	-	1	-	-	-	02250157-718	2	drive, vfd c-h 380/460v 87a nema12
-	-	-	-	-	-	1	-	-	02250157-717	2	drive, vfd c-h 380/460v 72a nema12
-	-	-	-	-	-	-	1	-	02250157-716	2	drive, vfd c-h 380/460v 61a nema12
1	-	-	-	-	-	-	-	-	02250165-108	2	drive, vfd c-h 575v 100a nema12
1	1	1	1	1	1	1	1	1	02250154-052	3	ctl, i/o mod ws 24vdc
1	1	1	1	1	1	1	1	1	02250170-668	4	bar, ground 9 post
1	1	1	1	1	1	1	1	1	02250154-051	5	ctl, display ws
2	2	2	2	2	2	2	2	2	849215-025	6	lug, ground
2	2	2	2	2	2	2	2	2	838405-03.	7	washer lock external tooth 5/16"
1	1	1	1	1	1	1	1	1	02250154-359	8	decal, microprocessor overlay
1	1	1	1	1	1	1	1	1	250019-773	9	holder, fuse ktk-r 3 pole
1	1	1	1	1	1	1	1	1	02250085-504	10	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	1	1	250027-125	11	block, contact 1 n.c
1	1	1	1	1	1	1	1	1	02250081-473	12	npl, yellow ring .5mm e-stop
1	1	1	1	1	1	1	1	1	02250167-816	13	cntor, 15a 3p 24vdc ino
1	1	1	1	1	1	1	1	1	02250159-547	14	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	1	1	02250159-549	15	cap, s4 program port nema 6p
4	4	4	4	4	4	4	4	4	02250161-759	16	sprc, .25dia x .41 long -alum
-	-	-	-	1	1	1	1	1	02250122-036	17	sply, pwr 360-4boac/24vdc ch-it
1	1	1	1	-	-	-	-	-	02250155-754	17	sply, pwr 575vac/24vdc ch-it
1	1	1	1	1	1	1	1	1	02250145-195	18	block, power olstr 175a 2/0 - #14awg
-	-	-	1	1	1	1	-	-	02250168-820	19	plate, filler for vsd frame 7
-	-	-	-	-	-	-	-	1	02250168-819	20	plate, filler for vso frame 6
1	1	1	-	-	-	-	-	-	-	21	kit, vsd mounting flange frame 8
-	-	-	1	1	1	1	-	-	-	21	kit, vsd mounting flange frame 7
-	-	-	-	-	-	-	-	1	-	21	kit, vsd mounting flange frame 6

DRAWING KEY

Key	Description	Part No.
Q1	start, asm p16 61a VSD 380/460V	02250169-554
Q2	start, asm p16 72a VSD 380/460V	02250169-555
	start, asm p16 87a VSD 380/460V	02250169-556
	start, asm p16 105a VSD 380/460V	02250169-557
Q3	start, asm p16 52a VSD 575V	02250169-558
Q4	start, asm p16 62a VSD 575V	02250169-559
	start, asm p16 80a VSD 575V	02250169-560
	start, asm p16 100a VSD 575V	02250169-563

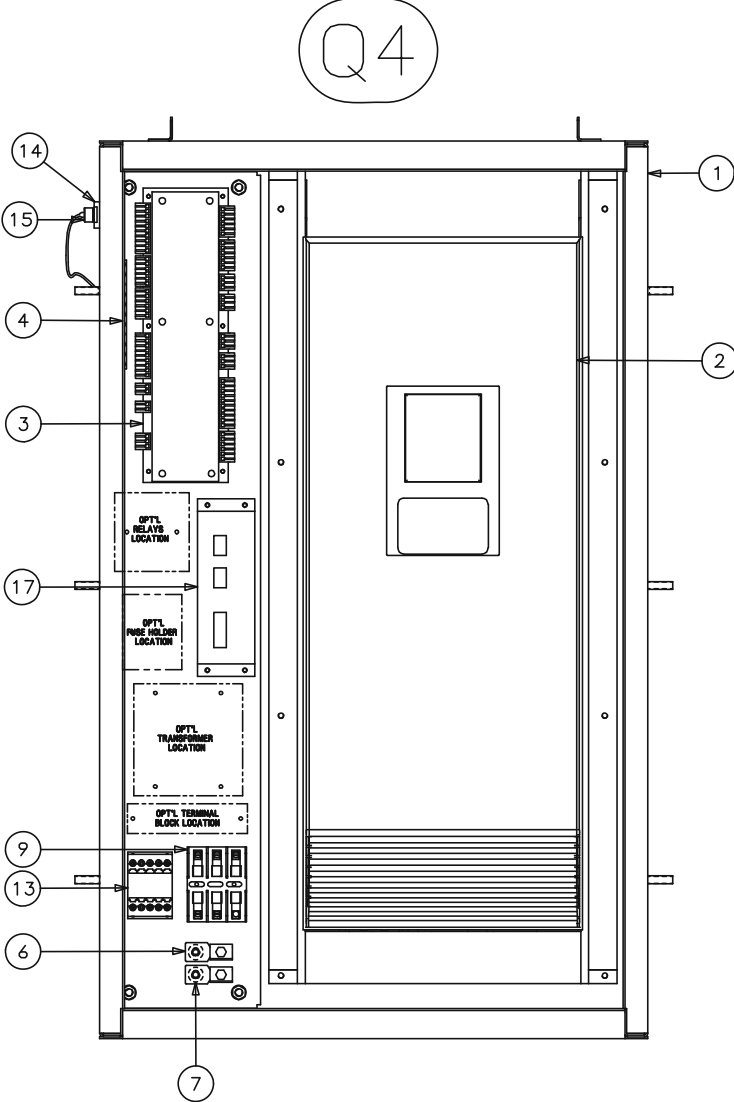
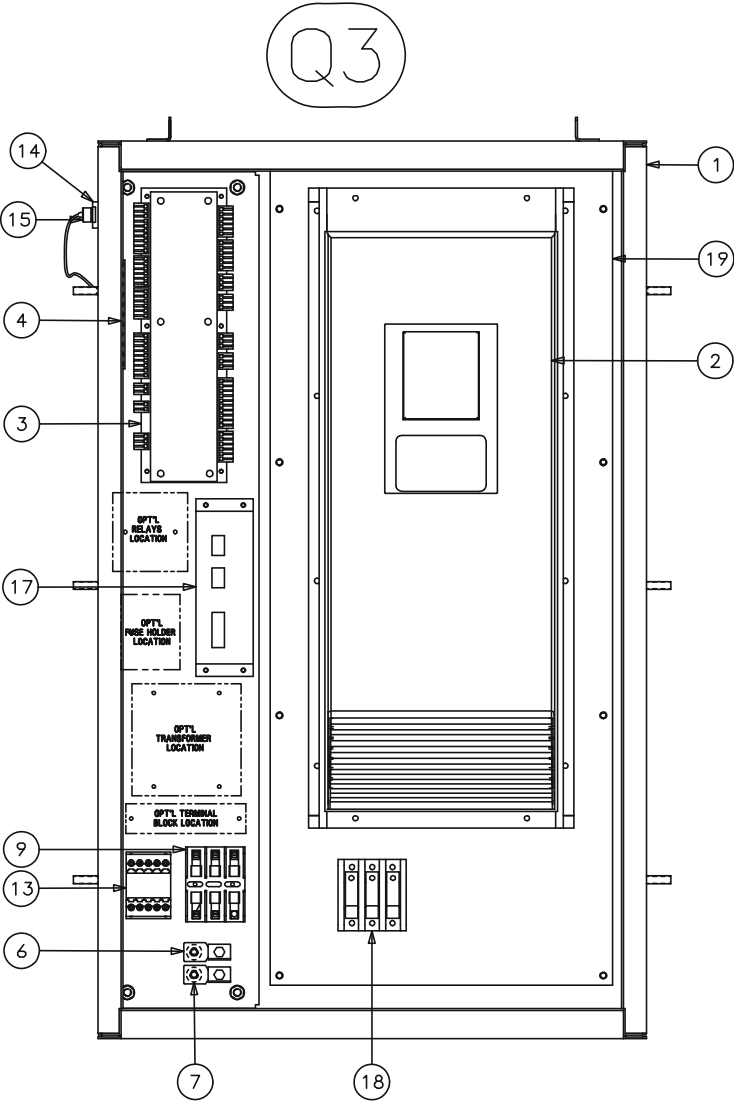
TORQUE VALUES (IN/LBS)

SULLAIR	P/N DESCRIPTION	LUG
02250165-108	drive, vfd c-h 575v 100a nema12	340-187
02250157-716	drive, vfd c-h 380/460v 61a nema12	35
02250157-717	drive, vfd c-h 380/460v 72a nema12	85
02250157-718	drive, vfd c-h 380/460v 87a nema12	85
02250157-719	drive, vfd c-h 380/460v 105a nema12	85
02250157-725	drive, vfd c-h 575v 52a nema12	85
02250157-726	drive, vfd c-h 575v 62a nema12	340-187
02250157-727	drive, vfd c-h 575v 80a nema12	340-187

STARTER ASSEMBLY DESCRIPTIONS

PART NO.	DESCRIPTION	WEIGHT	REV.
02250169-554	start,asy p12 61a vsd 380/460 n12	45 kg	01
02250169-555	start,asy p12 72a vsd 380/460 n12	103 kg	01
02250169-556	start,asy p12 87a vsd 380/460 n12	103 kg	01
02250169-557	start,asy p12 105a vsd 380/460 n12	103 kg	01
02250169-558	start,asy p12 52a vsd 575v n12	103 kg	01
02250169-559	start,asy p12 62a vsd 575v n12	152 kg	01
02250169-560	start,asy p12 80a vsd 575v n12	152 kg	01
02250169-563	start,asy p12 100a vsd 575v n12	152 kg	01

1.27 CONTROL STARTER - VSD N12 (CONTINUED)



1.27 CONTROL STARTER - VSD N12 (CONTINUED)

PART NO.	02250169-563	02250169-560	02250169-559	02250169-558	02250169-557	02250169-556	02250169-555	02250169-554			
1	1	1	1	1	1	1	1	1	02250168-846	1	spec, encl p8/10 22" x 36" x 10"
-	1	-	-	-	-	-	-	-	02250157-727	2	drive, vfd c-h 575v 80a nema12
-	-	1	-	-	-	-	-	-	02250157-726	2	drive, vfd c-h 575v 62a nema12
-	-	-	1	-	-	-	-	-	02250157-725	2	drive, vfd c-h 575v 52a nema12
-	-	-	-	1	-	-	-	-	02250157-719	2	drive, vfd c-h 380/460v 105a nema12
-	-	-	-	-	1	-	-	-	02250157-718	2	drive, vfd c-h 380/460v 87a nema12
-	-	-	-	-	-	1	-	-	02250157-717	2	drive, vfd c-h 380/460v 72a nema12
-	-	-	-	-	-	-	1	-	02250157-716	2	drive, vfd c-h 380/460v 61a nema12
1	-	-	-	-	-	-	-	-	02250165-108	2	drive, vfd c-h 575v 100a nema12
1	1	1	1	1	1	1	1	1	02250154-052	3	ctl, i/o mod ws 24vdc
1	1	1	1	1	1	1	1	1	02250170-668	4	bar, ground 9 post
1	1	1	1	1	1	1	1	1	02250154-051	5	ctl, display ws
2	2	2	2	2	2	2	2	2	849215-025	6	lug, ground
2	2	2	2	2	2	2	2	2	838405-03	7	washer lock external tooth 5/16"
1	1	1	1	1	1	1	1	1	02250154-359	8	decal, microprocessor overlay
1	1	1	1	1	1	1	1	1	250019-773	9	holder, fuse ktk-r 3 pole
1	1	1	1	1	1	1	1	1	02250085-504	10	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	1	1	250027-125	11	block, contact 1 n.c
1	1	1	1	1	1	1	1	1	02250081-473	12	npl, yellow ring .5mm e-stop
1	1	1	1	1	1	1	1	1	02250167-816	13	cntor, 15a 3p 24vdc ino
1	1	1	1	1	1	1	1	1	02250159-547	14	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	1	1	02250159-549	15	cap, s4 program port nema 6p
4	4	4	4	4	4	4	4	4	02250161-759	16	sprc, .25dia x .41 long -alum
-	-	-	-	1	1	1	1	1	02250122-036	17	sply, pwr 360-4boac/24vdc ch-it
1	1	1	1	-	-	-	-	-	02250155-754	17	sply, pwr 575vac/24vdc ch-it
1	1	1	1	1	1	1	1	1	02250145-195	18	block, power olstr 175a 2/0 - #14awg
-	-	-	1	1	1	1	-	-	02250168-820	19	plate, filler for vsd frame 7
-	-	-	-	-	-	-	-	1	02250168-819	20	plate, filler for vso frame 6
1	1	1	-	-	-	-	-	-	-	21	kit, vsd mounting flange frame 8
-	-	-	1	1	1	1	-	-	-	21	kit, vsd mounting flange frame 7
-	-	-	-	-	-	-	-	1	-	21	kit, vsd mounting flange frame 6

DRAWING KEY

Key	Description	Part No.
Q1	start, asm p16 61a VSD 380/460V	02250169-554
Q2	start, asm p16 72a VSD 380/460V	02250169-555
	start, asm p16 87a VSD 380/460V	02250169-556
	start, asm p16 105a VSD 380/460V	02250169-557
Q3	start, asm p16 52a VSD 575V	02250169-558
Q4	start, asm p16 62a VSD 575V	02250169-559
	start, asm p16 80a VSD 575V	02250169-560
	start, asm p16 100a VSD 575V	02250169-563

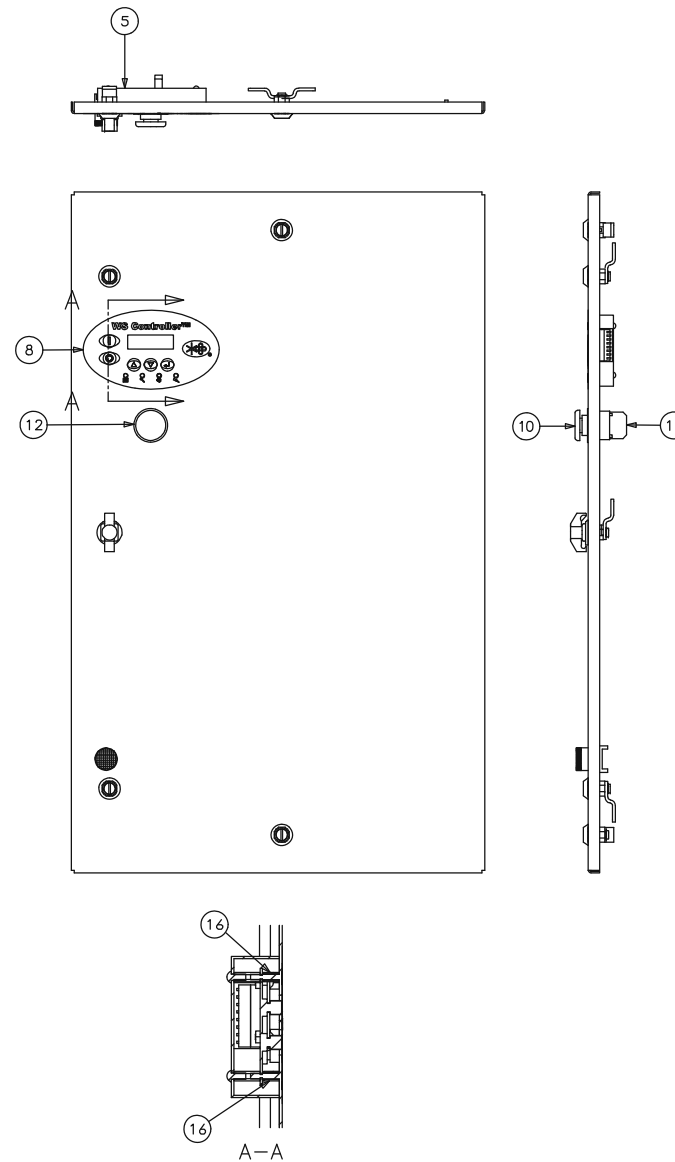
TORQUE VALUES (IN/LBS)

SULLAIR	P/N DESCRIPTION	LUG
02250165-108	drive, vfd c-h 575v 100a nema12	340-187
02250157-716	drive, vfd c-h 380/460v 61a nema12	35
02250157-717	drive, vfd c-h 380/460v 72a nema12	85
02250157-718	drive, vfd c-h 380/460v 87a nema12	85
02250157-719	drive, vfd c-h 380/460v 105a nema12	85
02250157-725	drive, vfd c-h 575v 52a nema12	85
02250157-726	drive, vfd c-h 575v 62a nema12	340-187
02250157-727	drive, vfd c-h 575v 80a nema12	340-187

STARTER ASSEMBLY DESCRIPTIONS

PART NO.	DESCRIPTION	WEIGHT	REV.
02250169-554	start,asy p12 61a vsd 380/460 n12	45 kg	01
02250169-555	start,asy p12 72a vsd 380/460 n12	103 kg	01
02250169-556	start,asy p12 87a vsd 380/460 n12	103 kg	01
02250169-557	start,asy p12 105a vsd 380/460 n12	103 kg	01
02250169-558	start,asy p12 52a vsd 575v n12	103 kg	01
02250169-559	start,asy p12 62a vsd 575v n12	152 kg	01
02250169-560	start,asy p12 80a vsd 575v n12	152 kg	01
02250169-563	start,asy p12 100a vsd 575v n12	152 kg	01

1.27 CONTROL STARTER - VSD N12 (CONTINUED)



02250169-392R01

1.27 CONTROL STARTER - VSD N12 (CONTINUED)

PART NO.	02250169-563	02250169-560	02250169-559	02250169-558	02250169-557	02250169-556	02250169-555	02250169-554			
1	1	1	1	1	1	1	1	1	02250168-846	1	spec, encl p8/10 22" x 36" x 10"
-	1	-	-	-	-	-	-	-	02250157-727	2	drive, vfd c-h 575v 80a nema12
-	-	1	-	-	-	-	-	-	02250157-726	2	drive, vfd c-h 575v 62a nema12
-	-	-	1	-	-	-	-	-	02250157-725	2	drive, vfd c-h 575v 52a nema12
-	-	-	-	1	-	-	-	-	02250157-719	2	drive, vfd c-h 380/460v 105a nema12
-	-	-	-	-	1	-	-	-	02250157-718	2	drive, vfd c-h 380/460v 87a nema12
-	-	-	-	-	-	1	-	-	02250157-717	2	drive, vfd c-h 380/460v 72a nema12
-	-	-	-	-	-	-	1	-	02250157-716	2	drive, vfd c-h 380/460v 61a nema12
1	-	-	-	-	-	-	-	-	02250165-108	2	drive, vfd c-h 575v 100a nema12
1	1	1	1	1	1	1	1	1	02250154-052	3	ctl, i/o mod ws 24vdc
1	1	1	1	1	1	1	1	1	02250170-668	4	bar, ground 9 post
1	1	1	1	1	1	1	1	1	02250154-051	5	ctl, display ws
2	2	2	2	2	2	2	2	2	849215-025	6	lug, ground
2	2	2	2	2	2	2	2	2	838405-03.	7	washer lock external tooth 5/16"
1	1	1	1	1	1	1	1	1	02250154-359	8	decal, microprocessor overlay
1	1	1	1	1	1	1	1	1	250019-773	9	holder, fuse ktk-r 3 pole
1	1	1	1	1	1	1	1	1	02250085-504	10	sw, pb oper red40mm push-twist
1	1	1	1	1	1	1	1	1	250027-125	11	block, contact 1 n.c
1	1	1	1	1	1	1	1	1	02250081-473	12	npl, yellow ring .5mm e-stop
1	1	1	1	1	1	1	1	1	02250167-816	13	cntor, 15a 3p 24vdc ino
1	1	1	1	1	1	1	1	1	02250159-547	14	rcpt, s4 program port nema 6p
1	1	1	1	1	1	1	1	1	02250159-549	15	cap, s4 program port nema 6p
4	4	4	4	4	4	4	4	4	02250161-759	16	sprc, .25dia x .41 long -alum
-	-	-	-	1	1	1	1	1	02250122-036	17	sply, pwr 360-4boac/24vdc ch-it
1	1	1	1	-	-	-	-	-	02250155-754	17	sply, pwr 575vac/24vdc ch-it
1	1	1	1	1	1	1	1	1	02250145-195	18	block, power olstr 175a 2/0 - #14awg
-	-	-	1	1	1	1	-	-	02250168-820	19	plate, filler for vsd frame 7
-	-	-	-	-	-	-	-	1	02250168-819	20	plate, filler for vso frame 6
1	1	1	-	-	-	-	-	-	-	21	kit, vsd mounting flange frame 8
-	-	-	1	1	1	1	-	-	-	21	kit, vsd mounting flange frame 7
-	-	-	-	-	-	-	-	1	-	21	kit, vsd mounting flange frame 6

DRAWING KEY

Key	Description	Part No.
Q1	start, asm p16 61a VSD 380/460V	02250169-554
Q2	start, asm p16 72a VSD 380/460V	02250169-555
	start, asm p16 87a VSD 380/460V	02250169-556
	start, asm p16 105a VSD 380/460V	02250169-557
Q3	start, asm p16 52a VSD 575V	02250169-558
Q4	start, asm p16 62a VSD 575V	02250169-559
	start, asm p16 80a VSD 575V	02250169-560
	start, asm p16 100a VSD 575V	02250169-563

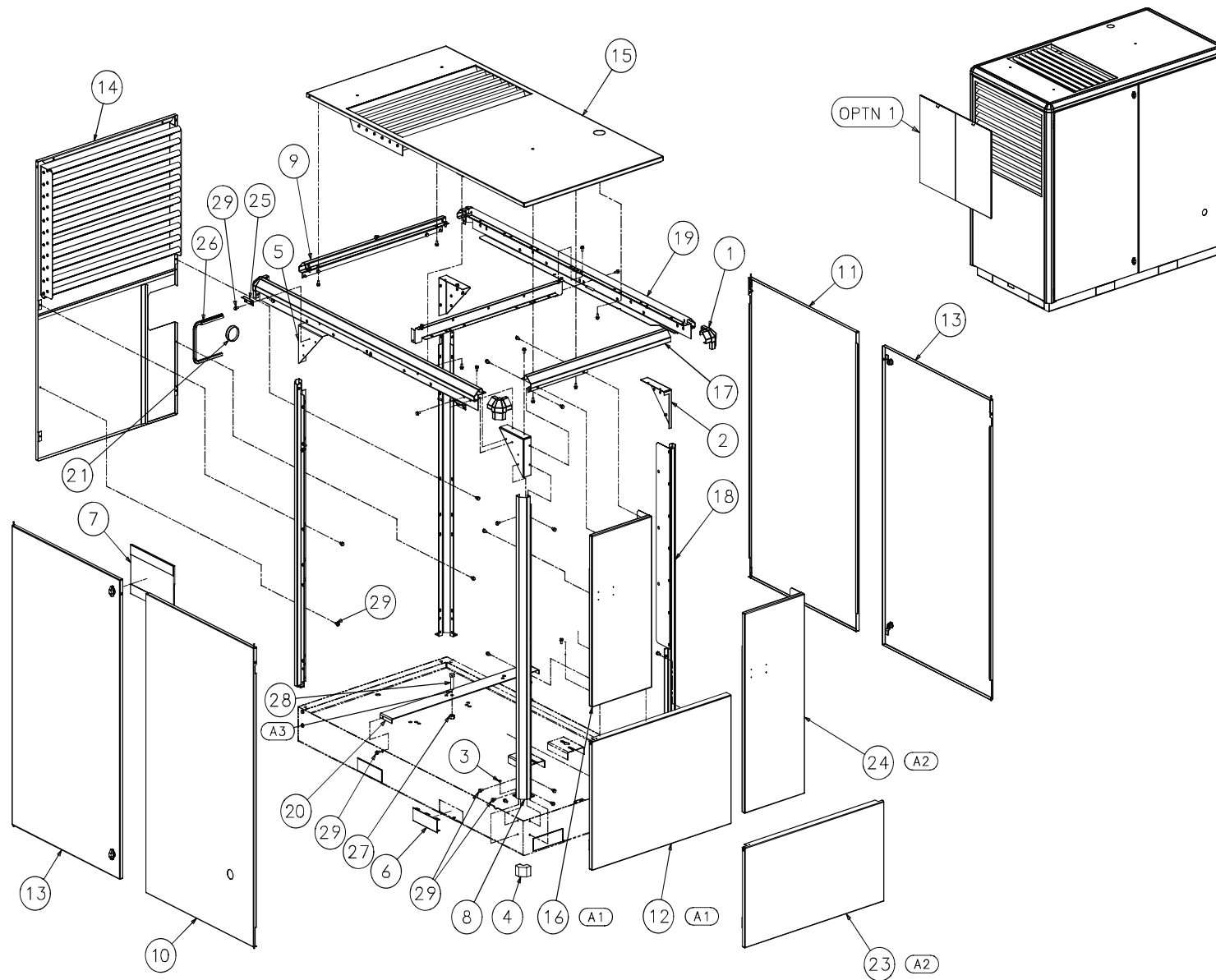
TORQUE VALUES (IN/LBS)

SULLAIR	P/N DESCRIPTION	LUG
02250165-108	drive, vfd c-h 575v 100a nema12	340-187
02250157-716	drive, vfd c-h 380/460v 61a nema12	35
02250157-717	drive, vfd c-h 380/460v 72a nema12	85
02250157-718	drive, vfd c-h 380/460v 87a nema12	85
02250157-719	drive, vfd c-h 380/460v 105a nema12	85
02250157-725	drive, vfd c-h 575v 52a nema12	85
02250157-726	drive, vfd c-h 575v 62a nema12	340-187
02250157-727	drive, vfd c-h 575v 80a nema12	340-187

STARTER ASSEMBLY DESCRIPTIONS

PART NO.	DESCRIPTION	WEIGHT	REV.
02250169-554	start,asy p12 61a vsd 380/460 n12	45 kg	01
02250169-555	start,asy p12 72a vsd 380/460 n12	103 kg	01
02250169-556	start,asy p12 87a vsd 380/460 n12	103 kg	01
02250169-557	start,asy p12 105a vsd 380/460 n12	103 kg	01
02250169-558	start,asy p12 52a vsd 575v n12	103 kg	01
02250169-559	start,asy p12 62a vsd 575v n12	152 kg	01
02250169-560	start,asy p12 80a vsd 575v n12	152 kg	01
02250169-563	start,asy p12 100a vsd 575v n12	152 kg	01

1.28 ENCLOSURE - AIR-COOLED



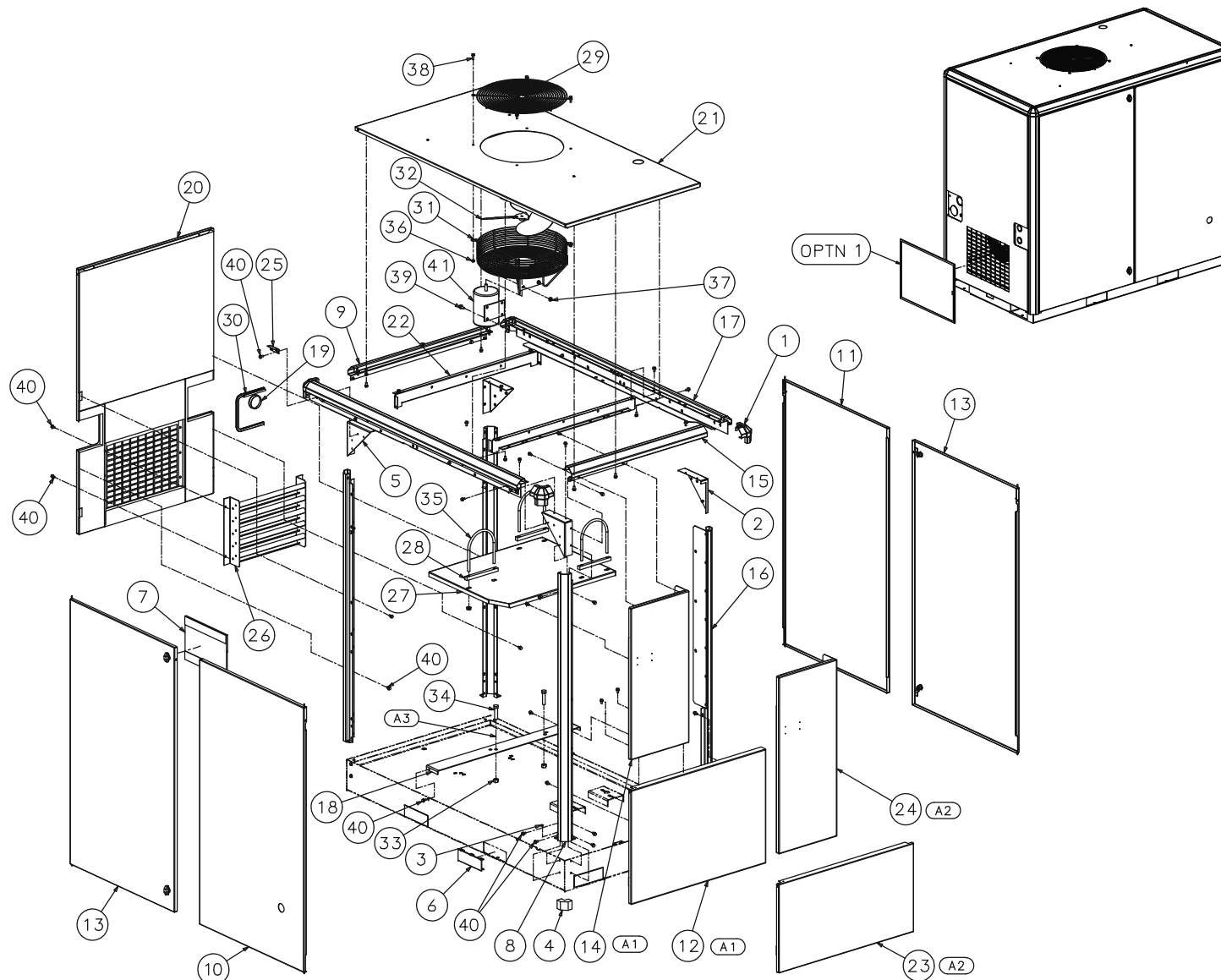
02250161-704R00

1.28 ENCLOSURE - AIR-COOLED

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250150-893	4	cap, molded canopy corner	
2	02250151-177	1	gusset, str cnr square 3700	
3	02250151-635	4	bearing, flanged 5mm 3700	
4	02250152-323	4	insulation, foam 2" corner piece	
5	02250154-298	3	gusset, corner square 3700	
6	02250154-405	8	cover, forkpocket 3700	
7	02250158-039	1	pocket, drawing holder 3700	
8	02250161-571	3	rail, vertical p16/18	
9	02250161-572	1	rail, roof air out end p16/18	
10	02250161-574	1	panel, canopy door flanged w/ cutout	
11	02250161-577	1	panel, canopy door flanged p16/18	
12	02250161-580	1	panel, starter end btm p16/18	
13	02250161-583	2	panel, canopy door locking p16/18	
14	02250161-585	1	panel, canopy intake end assy p16/18	
15	02250161-590	1	panel, roof canopy p16/18	
16	02250161-596	1	panel, starter end l/h p16/18	
17	02250161-598	1	rail, roof starter end p16/18	
18	02250161-600	1	rail, vertical starter side p16/18	
19	02250161-601	2	rail, side assy rh/lh p16/18	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
20	02250164-917	1	support, shipping mtr/unit p16/18	
21	02250164-919	1	plug, hole 3" nylon black 5600	
22	02250168-233	1	support, fan box/wc clrs p16/18	
23	02250168-477	1	panel, btm vsd starter end p16/18	
24	02250168-479	1	panel, l/h vsd str end p16/18	
25	02250172-591	4	angle, door supt p16/18 ac/wc	
26	250034-157	2	trim, canopy edge 7.5/10hp	
27	825210-559	2	nut, hex pltd 5/8-11	
28	829110-275	2	capscrew, hex gr5 5/8-11 x 2 3/4	
29	883008-016	69	screw, tf-hex m8 x 16 blk zinc	
OPTN 1	02250169-905	1	fltr, clean air inlet assembly	
A1: Panels used on all non 140-170 amp VSD machines, all MFV and all YD				
A2: Panels used on 140-170 amp VSD machines				
A3: Bolts attach front motor mounting holes to shipping bracket				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.29 ENCLOSURE - WATER-COOLED



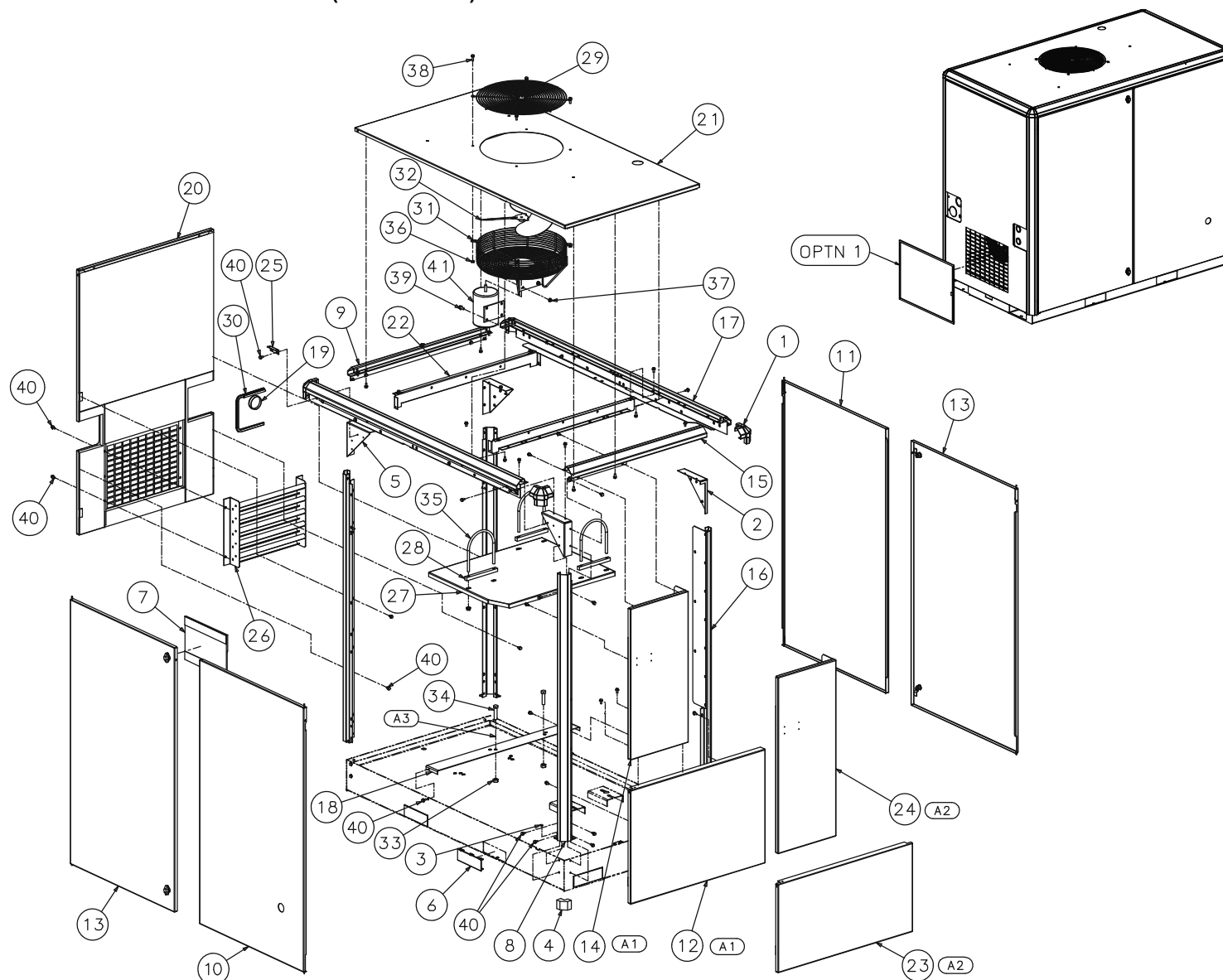
02250167-962R03

1.29 ENCLOSURE - WATER-COOLED

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250150-893	4	cap, molded canopy corner	
2	02250151-177	1	gusset, str cnr square 3700	
3	02250151-635	4	bearing, flanged 5mm 3700	
4	02250152-323	4	insulation, foam 2" corner piece	
5	02250154-298	3	gusset, corner square 3700	
6	02250154-405	8	cover, forkpocket 3700	
7	02250158-039	1	pocket, drawing holder 3700	
8	02250161-571	3	rail, vertical p16/18	
9	02250161-572	1	rail, roof air out end p16/18	
10	02250161-574	1	panel, canopy door flanged w/ cutout	
11	02250161-577	1	panel, canopy door flanged p16/18	
12	02250161-580	1	panel, starter end btm p16/18	
13	02250161-583	2	panel, canopy door locking p16/18	
14	02250161-596	1	panel, starter end l/h p16/18	
15	02250161-598	1	rail, roof starter end p16/18	
16	02250161-600	1	rail, vertical starter side p16/18	
17	02250161-601	2	rail, side assy rh/lh p16/18	
18	02250164-917	1	support, shipping mtr/unit p16/18	
19	02250164-919	1	plug, hole 3" nylon black p16	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
20	02250168-051	1	panel, canopy assy intake end p16/18 wc	
21	02250168-052	1	panel, roof canopy p16/18 wc	
22	02250168-233	2	support, fan box/wc clrs p16/18	
23	02250168-477	1	panel, btm vsd starter end p16/18	
24	02250168-479	1	panel, l/h vsd str end p16/18	
25	02250172-591	4	angle, door supt p16/18 ac/wc	
26	02250173-378	1	angle, baffle assy p16/18 wc inlt	
27	02250173-475	1	baffle, cooler assy p16/18 wc	
28	02250173-516	3	block, spacer ubolt p16/18 wc	
29	241137	1	guard, fan 20" diameter	
30	250034-157	1	trim, canopy edge 7.5/10hp	
31	410179	1	guard, exhaust fan 20"	
32	410358	1	fan, 18" vent 1/2"-bore	
33	825210-559	2	nut, hex pltd 5/8-11	
34	829110-275	2	capscrew, hex gr5 5/8-11 x 2 3/4	
35	868308-600	3	u-bolt, 1/2" x 6" pipe pltd	
36	882508-125	4	nut, serr flng m8 x 1.25	
37	882510-150	4	nut, serr flng m10 x 1.5	
Continued on page 85				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.29 ENCLOSURE - WATER-COOLED (CONTINUED)



02250167-962R03

1.29 ENCLOSURE - WATER-COOLED (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
38	882608-025	4	screw, hex serr washer m8 x 25	
39	882610-025	4	screw, hex serr washer m10 x 25	
40	883008-016	76	screw, tf-hex m8 x 16 blk zinc	
41	motor, fan	1	various	(I)
A1: Panels used on all non- 140-170amp machines				
A2: Panels used on 140-170amp VSD machines				
A3: Bolts attach front motor mounting holes to shipping bracket				
(I) This part may vary per machine design. Consult factory with machine serial number to determine the proper part number.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.30 DECALS



1.30 DECALS

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	049685	1	sign, warning-comp oil fil cap	
2	250003-144	1	sign, warn "food grade" lube	
3	049852	1	decal, warning elect. shock-ground fault	
4	250017-903	1	decal, warning auto start 4pf	
5	250027-935	1	decal, danger breath air	
6	049850	1	sign, danger electrocution	
7	049855	2	sign, warning-sever-fan-indus	
8	042218	1	decal, danger hi voltage	
9	407408	1	sign, warning-hot surfaces	
			Continued on page 89	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.30 DECALS (CONTINUED)

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02250075-540

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1.30 DECALS (CONTINUED)

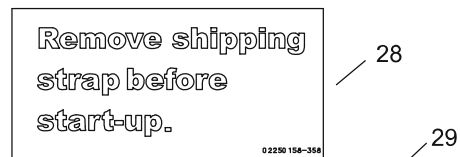
KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
10	02250077-472	1	decal, electrocution hazard international/global	
11	02250075-540	1	decal, PE designation	
12	02250075-045	1	decal, protective earth ground	
13	02250165-104	1	decal, maintenance kit p16/18	
14	041065	1	decal, warning auto start	
15	02250146-385	1	decal, parallel wye motor conn	
16	02250110-891	1	decal, en-warning mixing fluids	
17	02250069-389	1	decal, fluid Sullube	
18	02250069-395	1	decal, fluid 24KT	
19	02250069-394	1	decal, fluid LLL-4-32	
20	241814	4	decal, fork lifting	
21	250022-810	1	decal, water drain 3 3/4 x 1"	
22	250021-564	1	decal, rotation 3.5" lg	
			Continued on page 91	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.30 DECALS (CONTINUED)



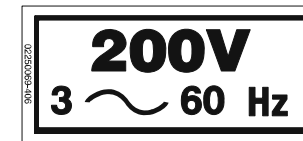
S-energy™

24KT



www.sullair.com

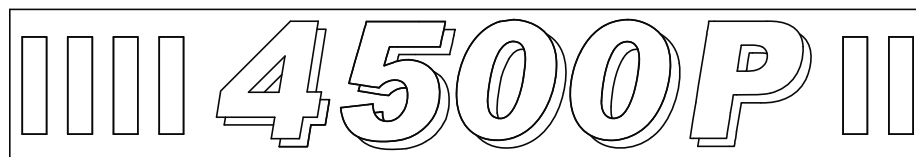
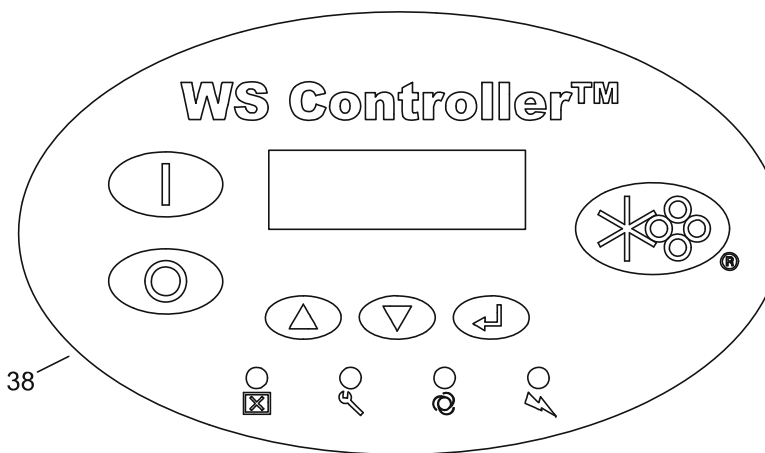
Variable Speed Drive



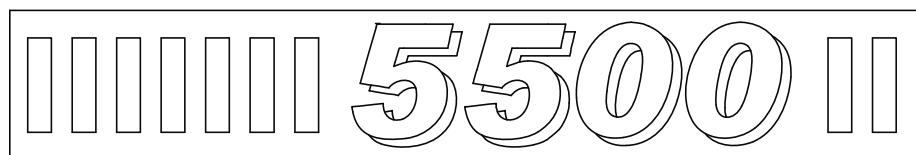
1.30 DECALS (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
23	02250057-624	1	decal, iso 9001	
24	02250168-920	2	decal, s-energy black	
25	02250145-206	1	decal, 24kt metallic gold	
26	250019-107	1	decal, water in	
27	250019-108	1	decal, water out	
28	02250158-358	2	decal, remove before start-up	
29	02250155-495	2	decal, black www.sullair.com	
30	02250162-215	2	decal, vsd black p8/p10/p12	
31	02250069-399	1	decal, voltage 460/3/60 intl	
32	02250069-406	1	decal, voltage 200/3/60 intl	
33	02250069-403	1	decal, voltage 380-415/3/50 intl	
34	02250069-397	1	decal, voltage 230/3/60 intl	
35	02250069-400	1	decal, voltage 575/3/60 intl	
			Continued on page 93	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

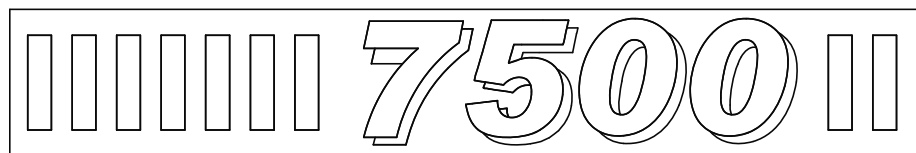
1.30 DECALS (CONTINUED)



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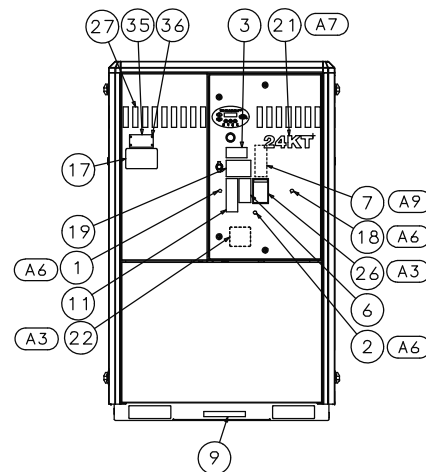
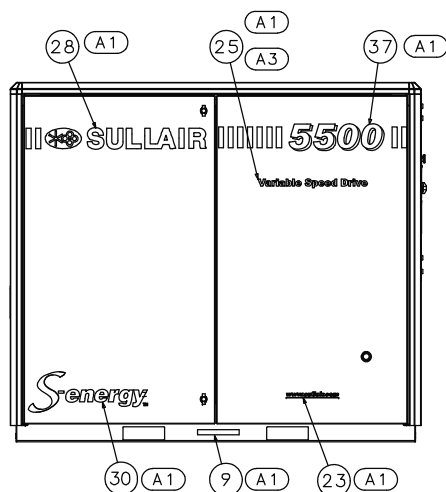
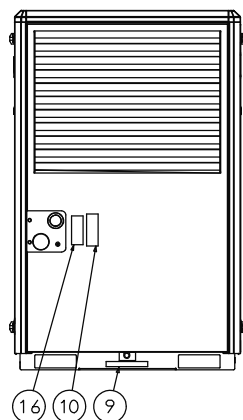
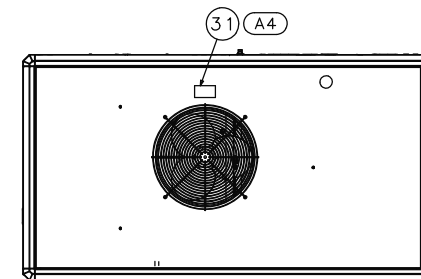
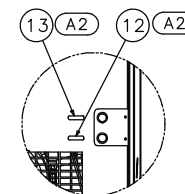
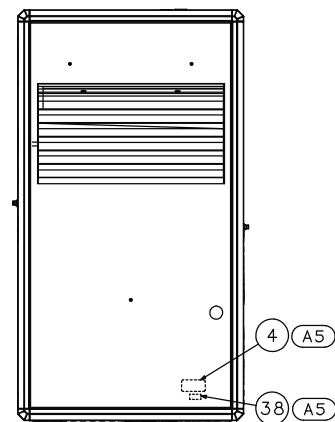
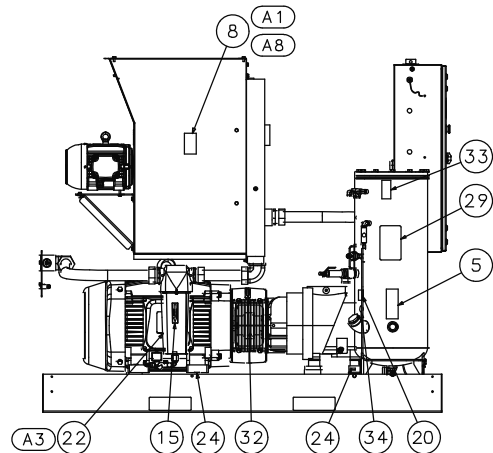
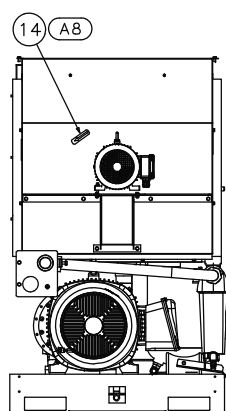


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1.30 DECALS (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
36	02250165-100	1	decal, black graphic p16/18	
37	02250165-102	2	decal, sullair side graph p16/1	
38	02250154-359	1	decal, microprocessor overlay	
39	02250169-748	1	decal, 4500P black w/ stripe	
40	02250165-103	1	decal, 5500 black w/ stripe	
41	02250165-167		decal, 7500 black w/ stripe	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.31 DECAL LOCATIONS

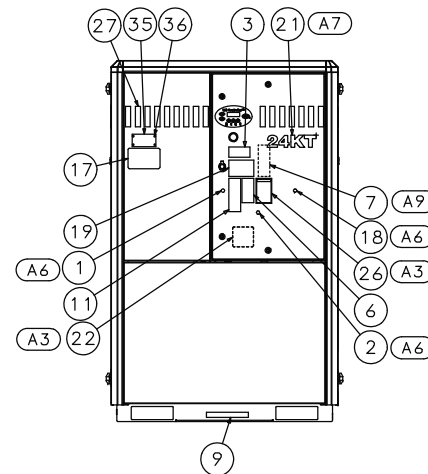
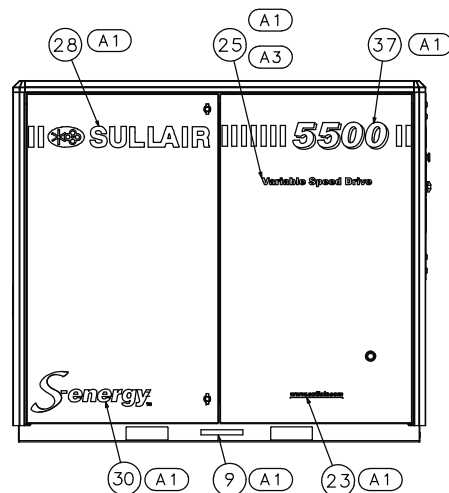
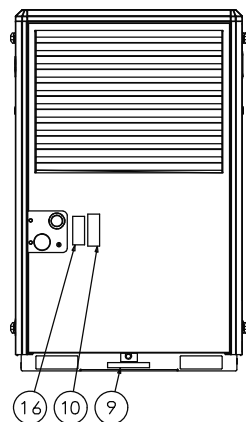
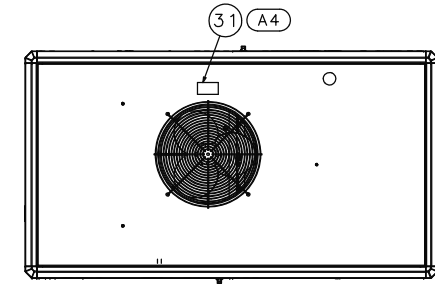
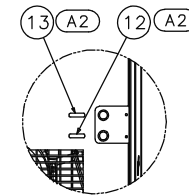
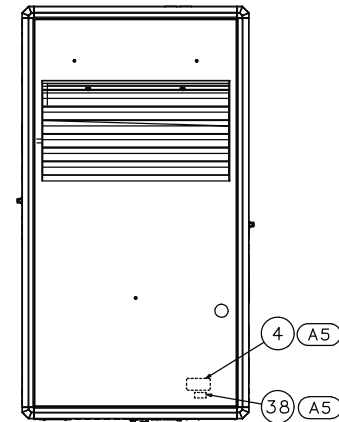
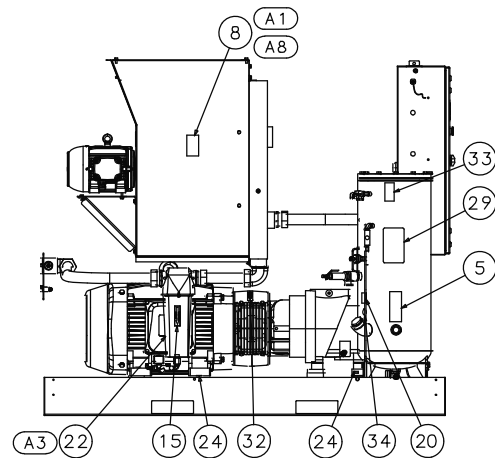
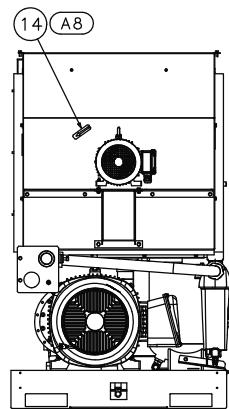


1.31 DECAL LOCATIONS

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250075-045	1	decal, protective earth ground	(I)
2	02250075-540	1	decal, pe designation	(I)
3	041065	1	decal, warning auto start	(I)
4	042218	1	decal, danger hi voltage	(I)
5	049685	1	sign, warning-comp oil fil cap	(I)
6	049850	1	sign, danger electrocution	(I)
7	049852	1	decal, warning elect. shock-ground fault	(I)
8	049855	2	sign, warning-sever-fan-indus	(I)
9	241814	4	decal, fork lifting	(I)
10	250003-144	1	sign, warn "food grade" lube	(I)
11	250017-903	1	decal, warning auto start 4pf	(I)
12	250019-107	1	decal, water in	(I)
13	250019-108	1	decal, water out	(I)
14	250021-564	1	decal, rotation 3.5" lg	(I)
15	250022-810	1	decal, water drain 3 3/4 x 1"	(I)
16	250027-935	1	decal, danger breath air	(I)
17	02250057-624	1	decal, iso 9001 blk 3.44x5.75	
18	02250075-045	1	decal, protective earth ground	
19	02250077-472	1	decal, electrocution hazard international/global	
20	02250110-891	1	decal, en-warning mixing fluids	

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
21	02250145-206	1	decal, 24kt metallic gold	
22	02250146-385	2	decal, parallel wye motor conn.	
23	02250155-495	2	decal, black www.sullair.com	
24	02250158-358	2	decal, remove before start-up	
25	02250162-215	2	decal, vsd black p8/p10/p12	
26	02250164-823	1	decal, warning n12 elec encl protc	
27	02250165-100	1	decal, black graphic p16/18	
28	02250165-102	2	decal, sullair side graph p16/1	
29	02250165-104	1	decal, maint kit eng p16/18	
30	02250168-920	2	decal, s-energy black	
			Continued on page 97	
(I) This decal contained within decal kit no. 02250069-064.				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.31 DECAL LOCATIONS (CONTINUED)



1.31 DECAL LOCATIONS (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
31	49855	1	sign, warning-sever-fan-indus	
32	250021-564	1	decal, rotation 3.5" lg	
33	407408	1	sign, warning-hot surfaces	
34	various	1	decal, fluid	(I)
35	various	1	nameplate	(I)
36	various	4	rivet, nameplate	(I)
37	various	2	decal, series	(I)
38	various	1	decal, voltage	(I)
A1: Both sides of machines				
A2: Water-cooled machines only				
A3: VSD machines only				
A4: Watercooled VSD machines only				
A5: Attach to inside of starter box on bottom panel				
A6: Attach to sub-panel inside of starter box				
A7: 24KT machines only				
A8: Air-cooled machines only				
A9: AAttach to inside of starter box door				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

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