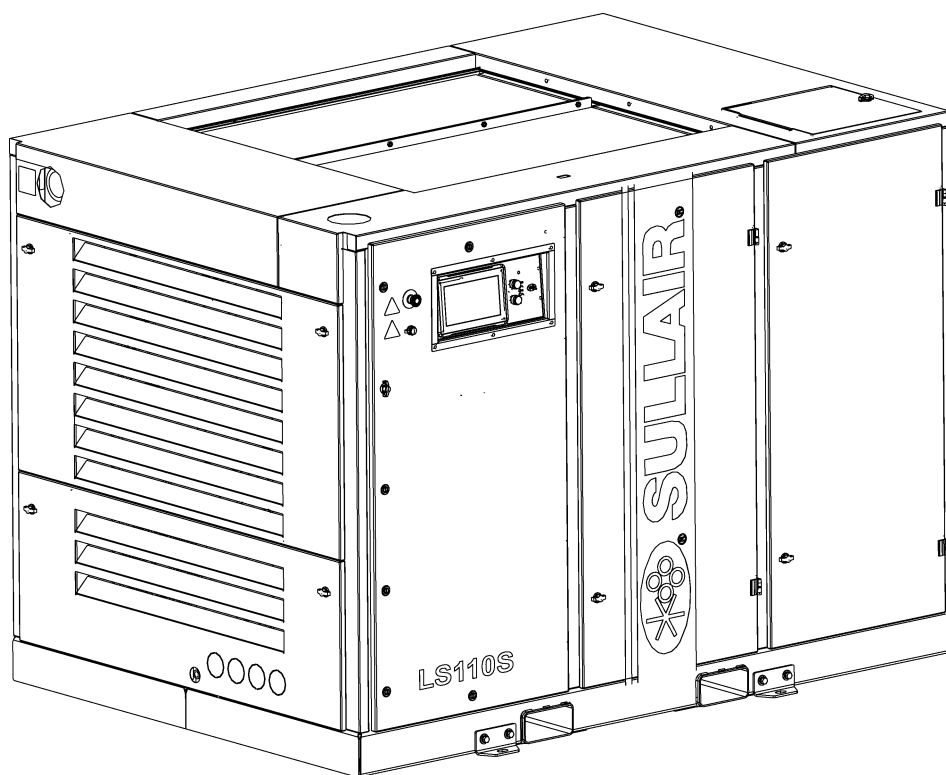




PARTS LIST MANUAL

Industrial Air Compressor LS90, LS90S, LS90V, LS110, LS110S, LS110V

125 & 150 hp (90 & 110 kW)



SAFETY WARNING

Users are required to read the entire User Manual before handling or using the product. Keep the User Manual in a safe place for future reference.

WARRANTY NOTICE

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

PART NUMBER:
02250231-031 R05

The information in this manual is current as of its publication date and applies to compressor models indicated on this cover with **serial number:**

201705110000

and all subsequent serial numbers until next revision of this manual or release of a replacement manual..

Publication date: 05/05/2023

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Service Training Courses

Sullair training courses provide hands-on and classroom instruction for the proper operation, maintenance, and servicing of Sullair products. Individual courses on Stationary compressors, variable speed drives, compressor electrical systems, and dryers are offered at regular intervals throughout the year at Sullair's training facility located in 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 courses are recommended for distributor service personnel. There is also a basic Stationary compressor course available for end-users.

For details on course offerings, outlines, schedules, and cost information contact:

Sullair Training Department

1-888-SULLAIR or
219-879-5451 (ext. 5623)
training@sullair.com
www.SullairTraining.com

- Or Write -

Sullair
1 Sullair Way
Michigan City, IN 46360
Attn: Training Department



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1.1 Procedure for ordering parts

You should order parts from the nearest authorized Sullair representative or the representative from whom the compressor was purchased. If for any reason you cannot obtain parts in this manner, contact the factory directly at the address, phone number, or website listed below.

Sullair North America Operations

1 Sullair Way
Michigan City, IN 46360 USA
www.sullair.com
1-800-SULLAIR (USA only)
1-219-879-5451 (non-USA)

When ordering parts, always indicate the serial number of the compressor. You can get the serial number from the Bill of Lading for the compressor or from the Serial Number Plate located on the compressor (see *Figure 1-1: Serial number plate 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 will void the Sullair warranties specific to this product and may lead to hazardous conditions over which Sullair has no control. Such conditions include, but are not limited to, bodily injury and compressor failure.

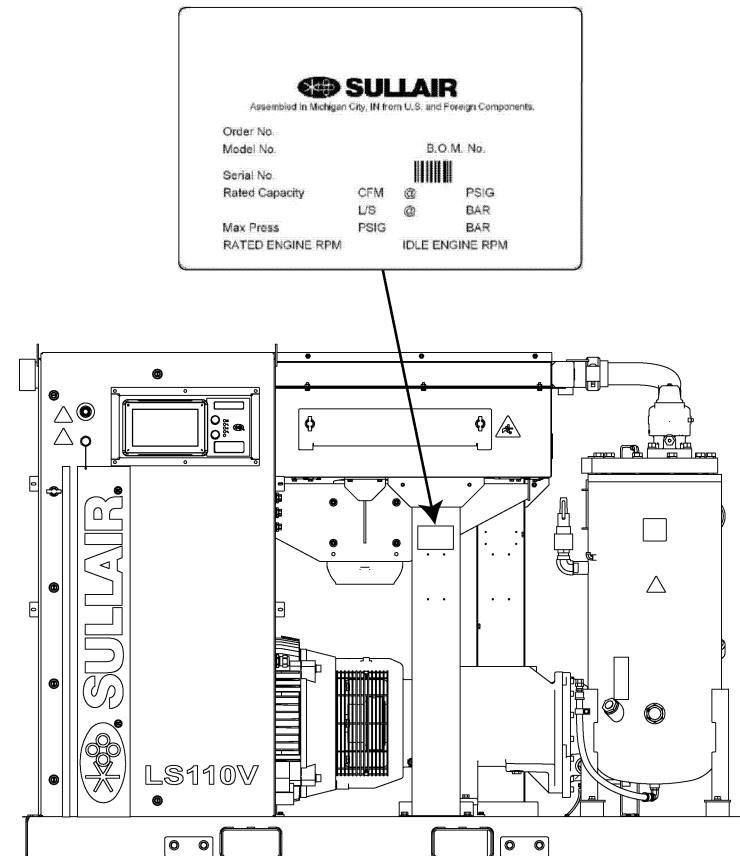


Figure 1-1: Serial number plate location

1.2 Recommended spare parts list

Part number	Qty	Description	Notes
02250135-155	1	ELEMENT,AIR FLTROPTIMALAIR 750CFM	
02250231-914	1	COVER,AIRFLTR OPTIMALAIR 750CFM	
02250231-911	1	VALVE,DUST EJECTOR 750CFM	
250025-526	1	ELEMENT,FLUID FILTER	
02250229-242	1	KIT,SEPARATOR ELEMENT LS110	
02250117-782	1	FILTER,ASSEMBLY GENISIS FILTR +	
241772	1	KIT, REP STRAINER-V-TYPE	
02250053-273	1	KIT,REPAIR 6" INLET VALVE	
02250176-830	1	KIT,REPAIR THRMVLV O-RING 175F	
02250176-831	1	KIT,REPAIR THRMVLV O-RING 190F	
02250214-211	1	KIT,REPAIR 3" SAE MIN PRESS VLV	
250022-669	4	LUBRICANT,SULLUBE 32 5GAL	
02250215-660	1	ELEMENT,COUPLING 40R BLACK	
02250229-231	1	COVER,CPLG 40R BLK ELEMENT	
02250189-201	1	KIT,VALVE SERVICE ZLOSS	
02250160-745	1	KIT,SOLENOID VALVE REBUILD 02250125-657*	
02250125-861	1	COIL,SOL REPL 110/120 3'LEADS+	
02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
02250182-947	1	STRAINER,SCREEN .690 DIA X1.045 LG	
408893	1	VALVE, SHUTTLE 1/4" (DBL CHK)	
	1	KIT,SEAL REPL D23A DBL TFE LIP	Consult factory
02250300-321	1	KIT,TOOL - D23A LIP SEAL REPL	
02250224-923	1	KEY,PARAL ISO R773 3X3X10	
250042-647	1	O-RING,STR THD	for 040029 fill plug
250042-648	1	O-RING,STR THD 70 VITON 1-1/2"	for sight glass plug 02250097-611
250022-669	(I)	LUBRICANT, SULLUBE (STD.) (5 GAL/19 LITER)	
02250196-470	(I)	LUBRICANT, PRISTINE FG (FOOD GRADE) (5 GAL/19 LITER)	

1.2 Recommended spare parts list

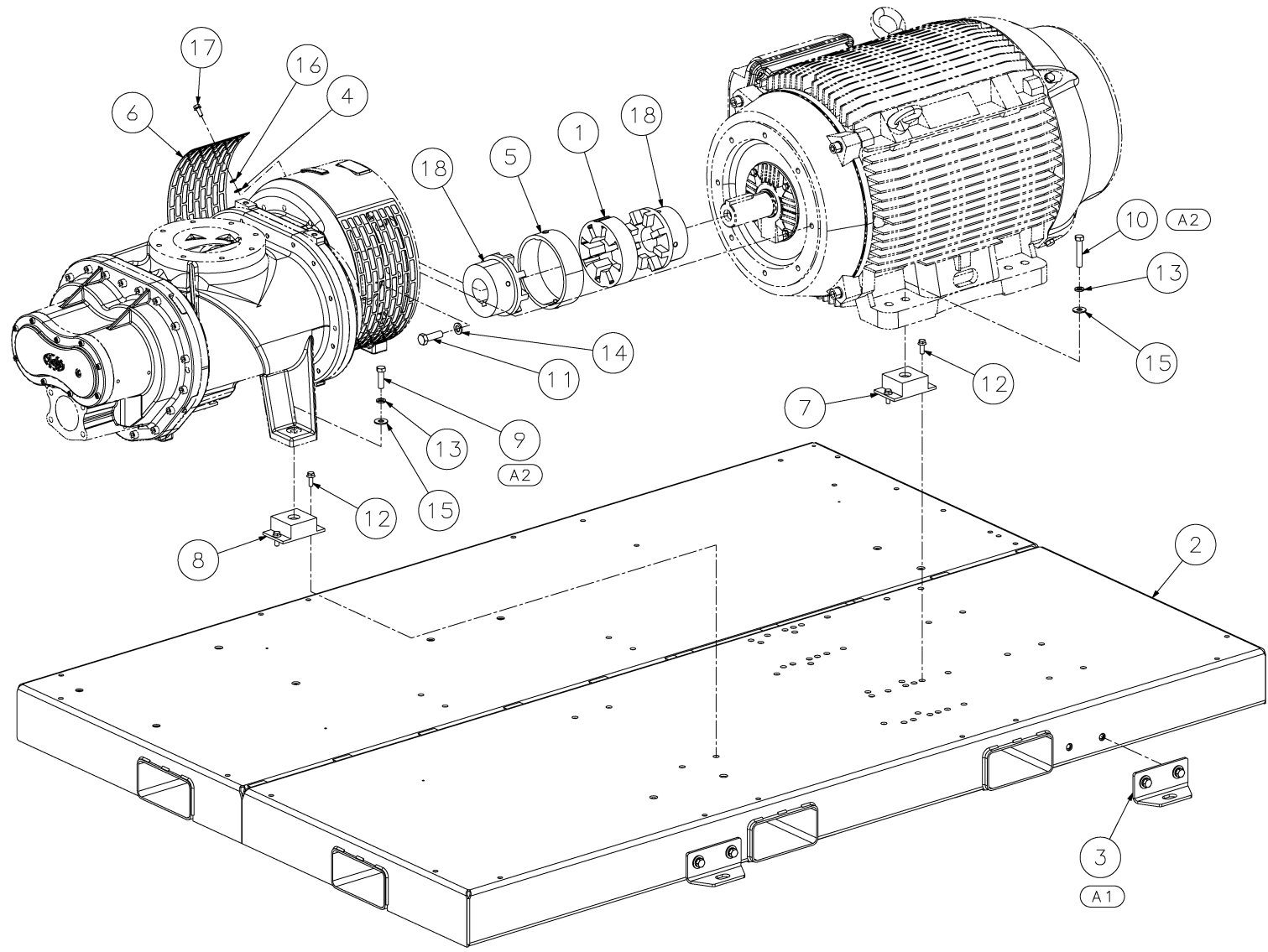
Part number	Qty	Description	Notes
1000-8059	1	KIT, 2000 HOUR MAINTENANCE	Parts included in kit: 02250135-155 1 250025-526 1 02250138-667 1
1000-8060	1	KIT, 8000 HOUR MAINTENANCE	Parts included in kit: 02250135-155 1 02250229-242 1 02250138-667 1 241772 1 250022-669 2 250025-526 1
1000-8061	1	KIT, YEARLY MAINTENANCE	Parts included in kit: 02250135-155 4 02250229-242 1 02250138-667 4 241772 1 250022-669 2 250025-526 4
1000-8062	1	KIT, FILTERS MAINTENANCE	Parts included in kit: 02250135-155 4 250025-526 4 241772 1 02250229-242 1
1003-4832	1	KIT, DRAIN 23S WITH SPIRAL VALVE LS90-160	Parts included in kit: 408300-004 2 884008-075 1 884008-056 1 878308-075 1 878306-056 1 02250230-734 2 882508-125 1 02250225-774 2 870004-006 1 1003-3528 1 1003-3529 1 882608-020 1

1.2 Recommended spare parts list

Part number	Qty	Description	Notes
1003-4669	1	KIT, DRAIN 23S WITHOUT SPIRAL VALVE LS90-160	Parts included in kit: 408300-004 1 884008-056 1 878306-056 1 02250230-734 1 882508-125 1 02250225-774 1 870004-006 1 1003-3529 1 882608-020 1

Notes:

1.3 Compressor, frame and drive



02250226-470 R05



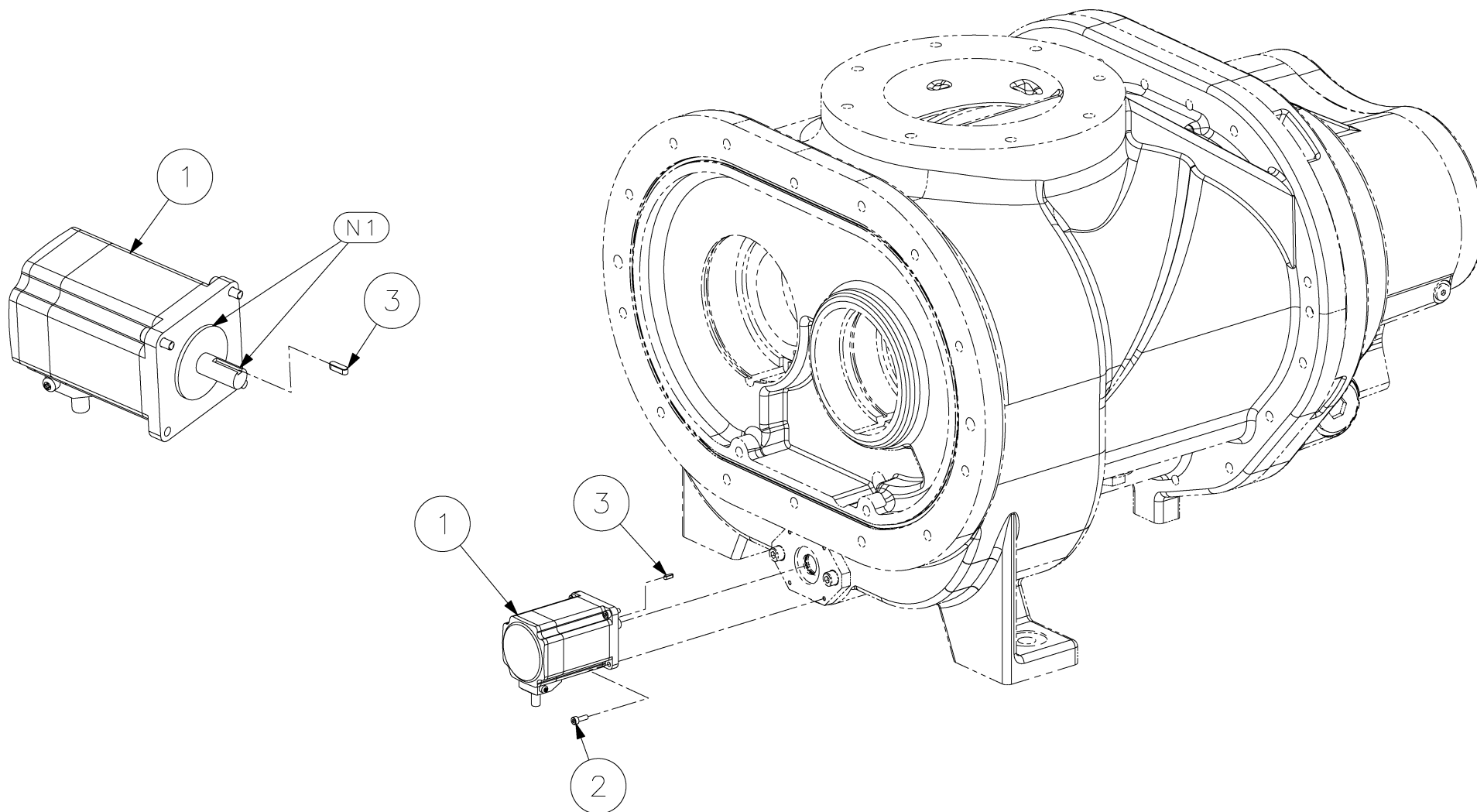
1.3 Compressor, frame and drive

Key	Part number	Qty	Description	Notes
1	02250215-660	1	ELEMENT,COUPLING 40R BLACK	
2	02250222-598	1	FRAME,ASSY 125-150 HP	
3	02250226-635	1	KIT,TIE DWN BRKTS 125-150HP	
4	02250226-838	4	WASHER,LCK NYLON INT TOOTH 5/16	
5	02250229-231	1	COVER,CPLG 40R BLK ELEMENT	
6	1001-0347	2	GUARD,CPLG LS90-110	
7	250042-757	2	ISOLATOR,VIBRATION 670-15	
8	250042-785	2	ISOLATOR,VIBRATION 670-10	
9	829108-175	2	CAPSCREW,HEX GR5 1/2-13 X 1 3/4"	
10	829108-275	2	CAPSCREW,HEX GR5 1/2-13 X 2 3/4	
11	829110-200	8	CAPSCREW,HEX GR5 5/8-11 X 2"	
12	829706-100	8	SCREW, HX SER WASH 3/8 X 1"	
13	837808-125	4	WASHER, SPRLOCK REG PLTD 1/2"	
14	837810-156	8	WASHER, SPRLOCK REG PLTD 5/8"	
15	838208-112	4	WASHER, PL-B REG PLTD 1/2"	
16	865408-170	4	WASHER, ISO 7089-8-200HV	
17	882608-020	4	SCREW, HEX SER WASHER M8 X 20	
18	02250152-641	2	HUB,CPLG 2.375 BORE 40R	FIXED SPEED
	02250226-002	2	HUB,CPLG 2.375 BORE 40R	VSD

Drawing notes

A1	KIT TO BE SHIPPED LOOSE
A2	TORQUE TO 50 FT-LBS

1.4 Compressor, Spiral Valve



02250221-927 R01

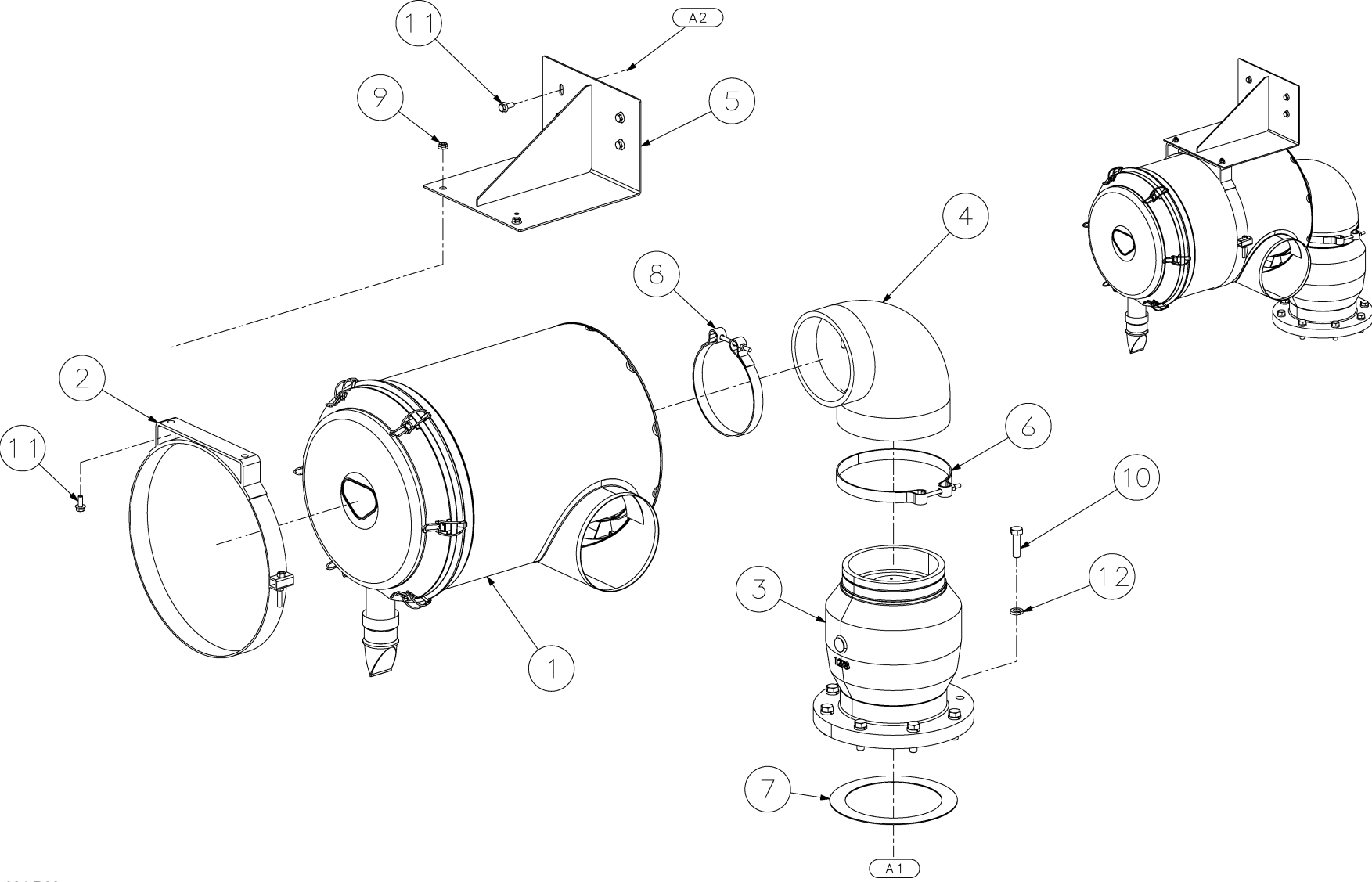
1.4 Compressor, Spiral Valve

Key	Part number	Qty	Description	Notes
1	02250224-248	1	MOTOR,STEPPER NEMA 23	
2	02250224-398	4	SCREW,SOCKET ISO 4762 M4X12MM	
3	02250224-923	1	KEY,PARAL ISO R773 3X3X10	

Drawing notes

1	APPLY ANTI SEIZE (REF. PERMATEX 80078).
---	---

1.5 Air inlet system, air-cooled



02250221-921 R02

1.5 Air inlet system, air-cooled

Key	Part number	Qty	Description	Notes
1	02250135-154	1	FILTER,AIRASSY OPTIMALAIR 750CFM	
2	02250146-413	1	BAND,MTG 15" AIR FILTER LS200S	
3	02250222-558	1	VALVE,INLET 6" POP W/BYPASS LS200S	
4	02250225-373	1	ELBOW,RUB 90 6"TO 7"	
5	02250225-453	1	SUPPORT,BRACKET AIR INLET FILTER	
6	041992	1	CLAMP, HOSE 7"	
7	240621-012	1	GASKET, ASA FLG 150# 6"	
8	250020-159	1	CLAMP, HOSE 6 9/16 TO 6 1/4"	
9	825305-283	2	NUT, HEX FLGD PLTD 5/16-18	
10	829108-175	8	CAPSCREW,HEX GR5 1/2-13 X 1 3/4"	
11	829705-075	6	SCREW, HX SER WASH 5/16 X 3/4"	
12	837808-125	8	WASHER, SPRLOCK REG PLTD 1/2"	

Drawing notes

A1	TO COMPRESSOR INLET
A2	TO AIROC FANBOX

Exploded view diagram of the MICON 1278 camera system. The diagram shows the camera body (3) with a mounting bracket (2) and a lens cap (10). A flexible cable (8) connects the camera to a base unit (12). The base unit has a lens cap (9) and a mounting bracket (11). A 20° angle is indicated for the camera's field of view. Various components are labeled with numbers 1 through 14 and letters A1, A2, A3.



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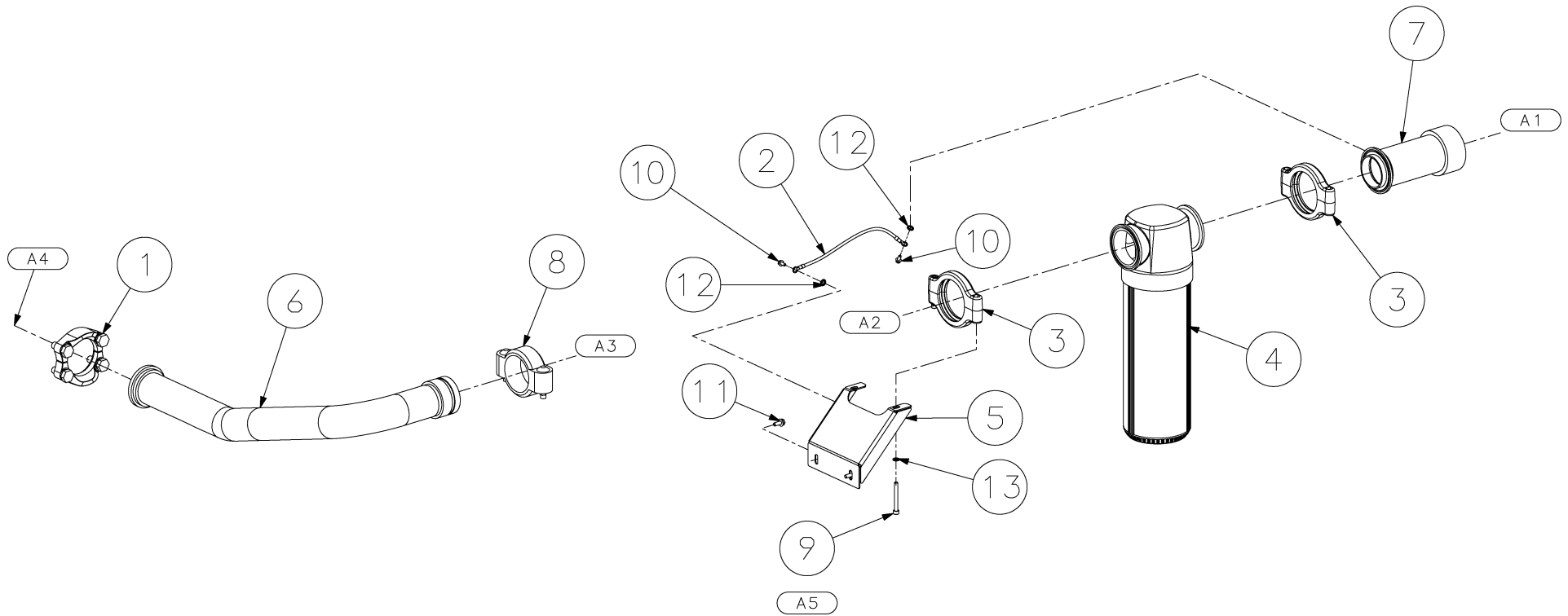
1.6 Air inlet system, water-cooled (enclosed)

Key	Part number	Qty	Description	Notes
1	02250044-538	2	CLAMP, T-BOLT SS BAND 7.50" ID	
2	02250135-154	1	FILTER,AIRASSY OPTIMALAIR 750CFM	
3	02250146-413	1	BAND,MTG 15" AIR FILTER LS200S	
4	02250222-558	1	VALVE,INLET 6" POP W/BYPASS LS200S	
5	02250225-373	1	ELBOW,RUB 90 6"TO 7"	
6	02250226-548	1	SUPPORT,BRACKET AIR INLET FILTER	
7	041992	1	CLAMP,HOSE 7 3/4"	
8	1000-7439	1	HOSE,7" ID CORG AIR INLET LS90	
9	240621-012	1	GASKET, ASA FLG 150# 6"	
10	250020-159	1	CLAMP, HOSE 6 9/16 TO 6 1/4"	
11	825305-283	2	NUT, HEX FLGD PLTD 5/16-18	
12	829108-175	8	CAPSCREW,HEX GR5 1/2-13 X 1 3/4"	
13	829705-075	4	SCREW, HX SER WASH 5/16 X 3/4"	
14	837808-125	8	WASHER, SPRLOCK REG PLTD 1/2"	

Drawing notes

A1	TO COMPRESSOR INLET
A2	TO WATEROC STRUCTURE
A3	TO ENCLOSURE ROOF

1.7 Air piping, air-cooled



02250223-704 R02



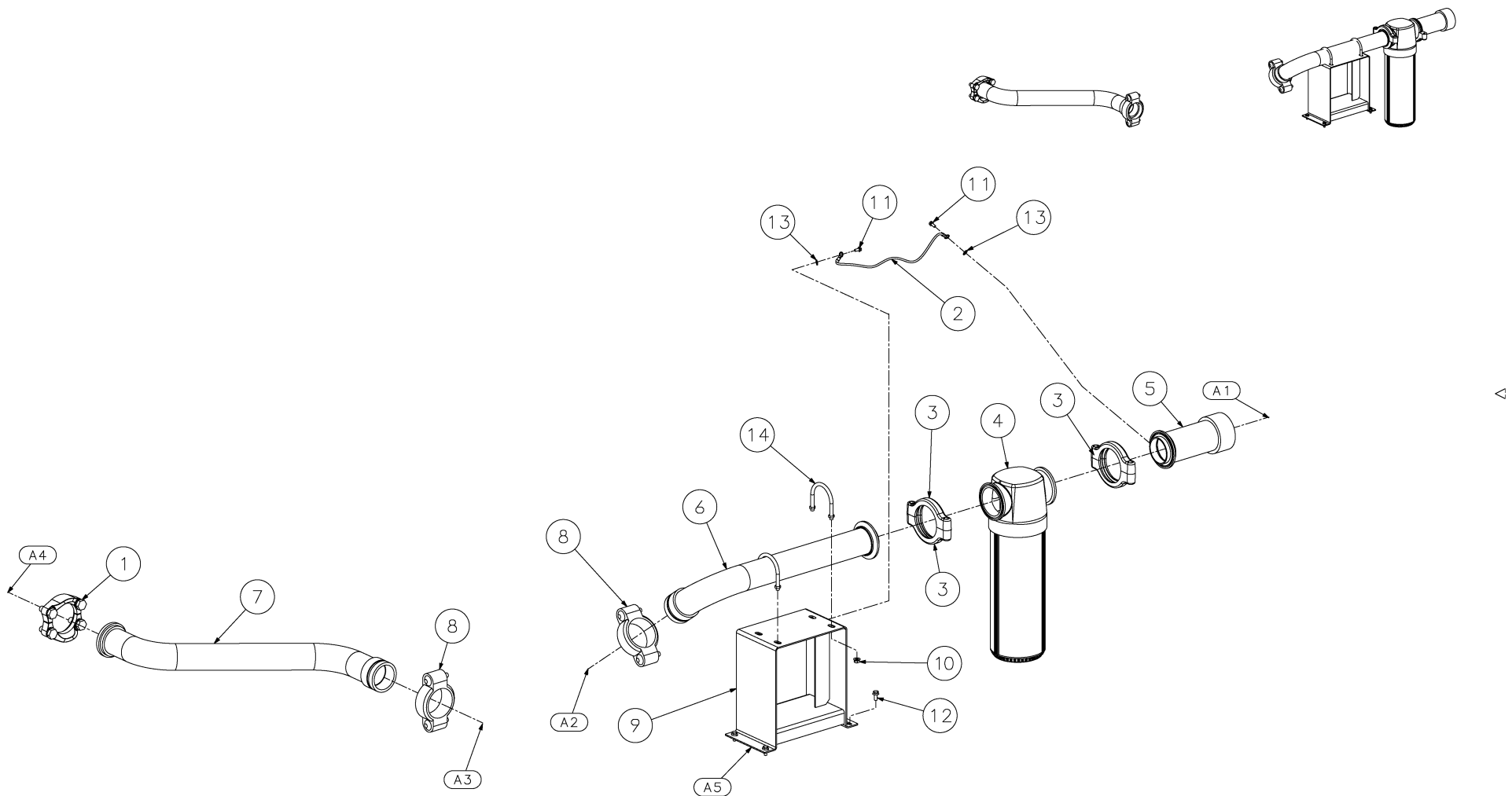
1.7 Air piping, air-cooled

Key	Part number	Qty	Description	Notes
1	02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
2	02250157-279	1	WIRE, 10 GAGE GROUND BOND 12"	
3	02250193-544	2	CLAMP,FX FILTER 925-1600	
4	02250208-571	1	SEPARATOR,WTR CS-1600 3" W/O DR	
5	02250211-593	1	SUPPORT,BRACKET FILTER/H2O SEP	
6	02250224-122	1	PIPE ASSEMBLY,AIRPP LS110	
7	02250224-347	1	PIPE ASSEMBLY,3.00 DISCH	
8	02250225-325	1	CLAMP,3.0 SPLIT FLG	
9	829308-070	2	SCREW,SOCKET ISO 4762 M8X70MM	
10	829704-050	2	SCREW, HX SER WASH 1/4 X 1/2"	
11	829705-075	2	SCREW, HX SER WASH 5/16 X 3/4"	
12	838405-034	2	WASHER, LOCK EXT TOOTH 5/16"	
13	838808-200	2	WASHER, SPRLOCK METRIC M8	

Drawing notes

A1	PACKAGE OUT
A2	AC OUT
A3	AC IN
A4	MPV OUT
A5	DISCARD BOLTS IN KIT AND REPLACE WITH 829308-070 FOR THIS CLAMP ONLY

1.8 Air piping, water-cooled



02250222-813 R02



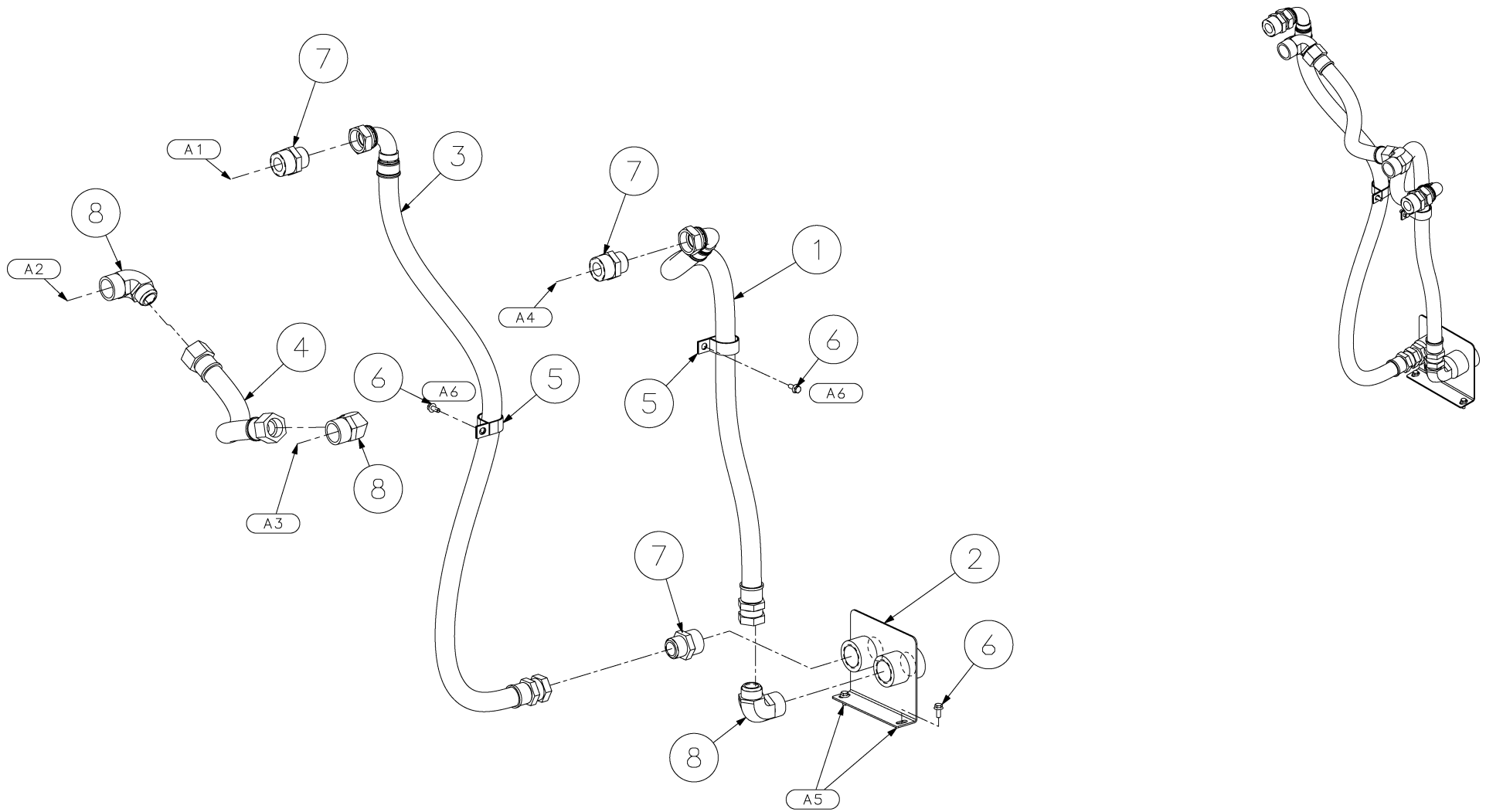
1.8 Air piping, water-cooled

Key	Part number	Qty	Description	Notes
1	02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
2	02250157-281	1	WIRE, 10 GAGE GROUND BOND 24"	
3	02250193-544	2	CLAMP,FX FILTER 925-1600	
4	02250208-571	1	SEPARATOR,WTR CS-1600 3" W/O DR	
5	02250224-347	1	PIPE ASSEMBLY,3.00 DISCH	
6	02250224-690	1	PIPE ASSEMBLY,DISCH 3.00 AC OUT	
7	02250224-691	1	PIPE ASSEMBLY,DISCH 3.00 AC IN	
8	02250225-325	2	CLAMP,3.0 SPLIT FLG	
9	02250230-580	1	SUPPORT,AIRPP AC OUT WC	
10	825306-347	4	NUT, HEX FLGD PLTD 3/8-16	
11	829704-050	2	SCREW, HX SER WASH 1/4 X 1/2"	
12	829705-075	4	SCREW, HX SER WASH 5/16 X 3/4"	
13	838405-034	2	WASHER, LOCK EXT TOOTH 5/16"	
14	868306-250	2	U-BOLT 3/8 X 2 1/2" PIPE PLTD	

Drawing notes

A1	PACKAGE OUT
A2	AC OUT
A3	AC IN
A4	MPV OUT
A5	TO WATEROC SUPPORT STRUCTURE

1.9 Water piping, water-cooled (standard)



02250227-171 R01

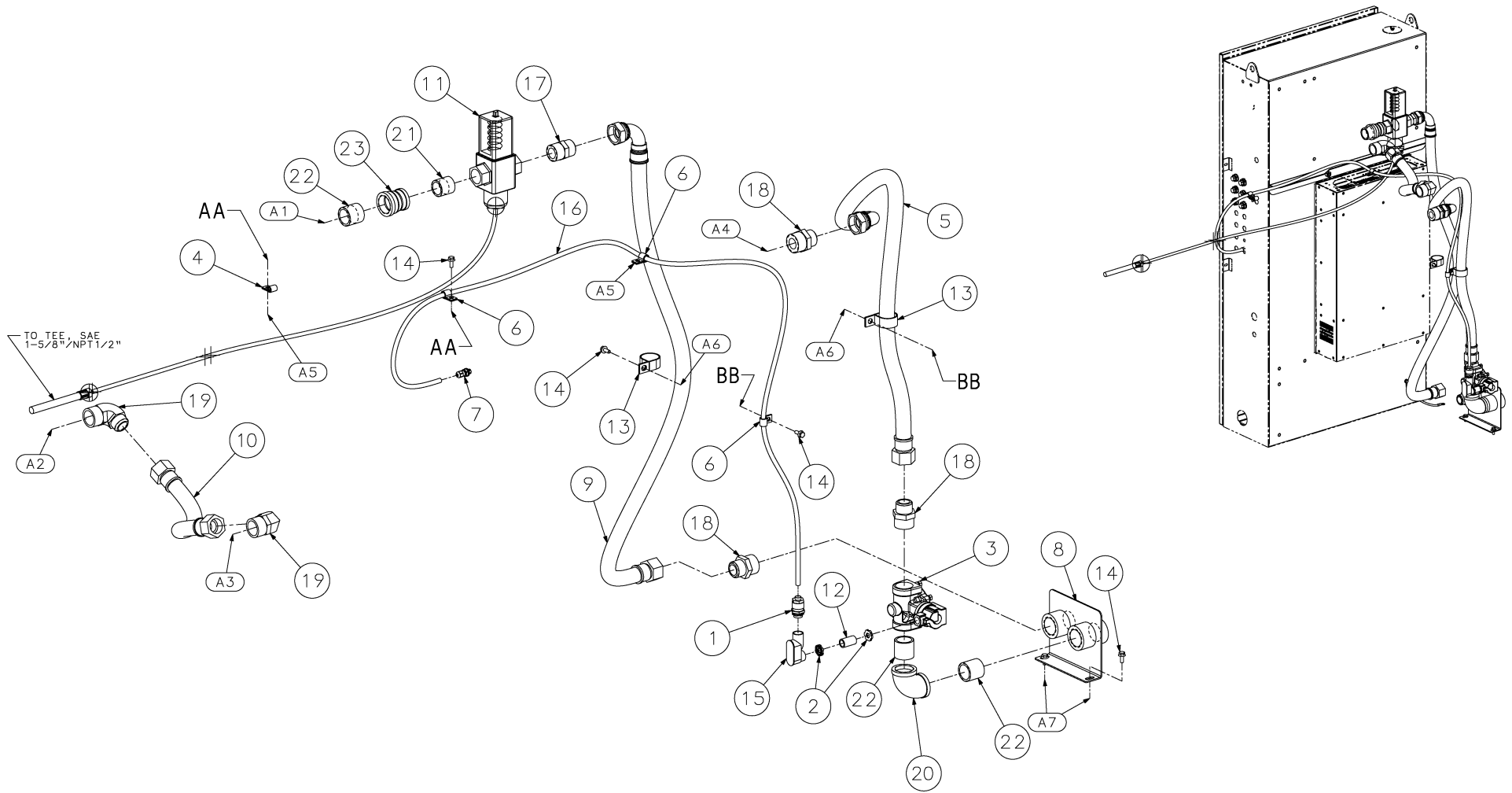
1.9 Water piping, water-cooled (standard)

Key	Part number	Qty	Description	Notes
1	02250219-219	1	HOSE, HYD PARKRIMP 1-1/4 X 71	
2	02250225-689	1	SUPPORT, BRACKET WTRPP	
3	02250226-828	1	HOSE, HYD PARKRIMP 1-1/4X60"OAL	
4	02250226-876	1	HOSE, HYD PARKRIMP 1-1/4X30"OAL	
5	408300-008	2	CLAMP, HOSE O.D. 1.750	
6	829705-075	4	SCREW, HX SER WASH 5/16 X 3/4"	
7	860120-150	3	CONNECTOR, 37FL/MPT 1-1/4 X 1-1/2	
8	860220-150	3	ELBOW, 37FL 90M 1 1/4 X 1 1/2"	

Drawing notes

A1	TO OIL COOLER IN
A2	TO OIL COOLER OUT
A3	TO AFTERCOOLER IN
A4	TO AFTERCOOLER OUT
A5	TO FRAME
A6	TO WTROC SUPPORT, LEG

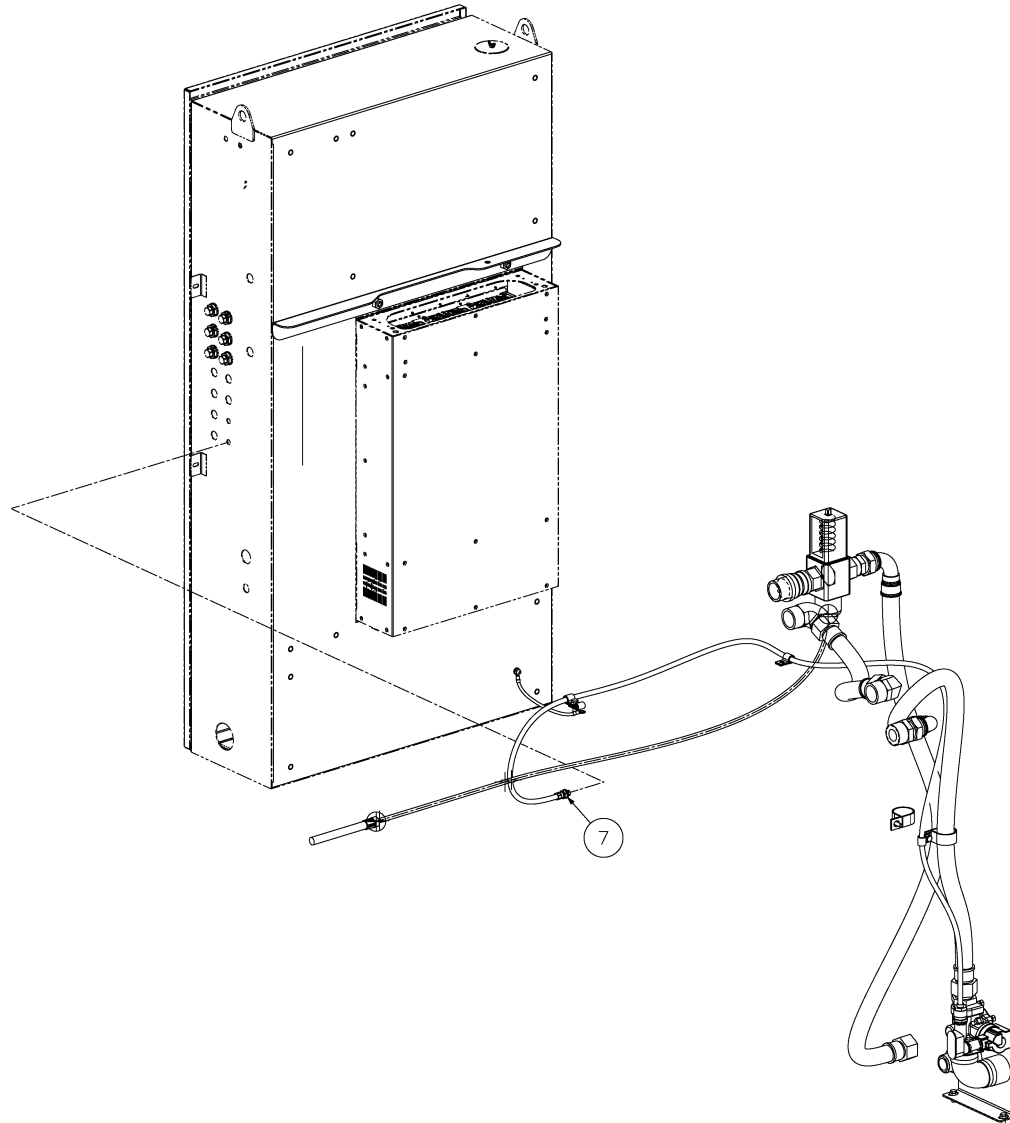
1.10 Water piping, water-cooled (water solenoid valve and water regulating valve)



02250222-805 R03 (sh1)



1.10 Water piping, water-cooled (water solenoid valve and water regulating valve)



02250222-805 R03 (sh2)

1.10 Water piping, water-cooled (water solenoid valve and water regulating valve)

Key	Part number	Qty	Description	Notes
1	02250071-250	1	GRIP,CORD N4 .38-.50 X 1/2"	
2	02250071-362	2	LOCKNUT,COND SEAL N4 1/2"	
3	02250125-653	1	VALVE,SOLENOID 2WNC 1-1/2 150# N4 +	
4	02250143-876	1	CLAMP, HOSE O.D. .375	
5	02250146-545	1	HOSE,HYD PARKRIMP 1-14 X 61	
6	02250157-458	3	CLAMP, HOSE O.D. .500	
7	02250215-692	1	GRIP,CORD CABLE GLAND M 12	
8	02250225-689	1	SUPPORT,BRACKET WTRPP	
9	02250230-495	1	HOSE,HYD PARKRIMP 1-1/4X58"OAL	
10	02250230-496	1	HOSE,HYD PARKRIMP 1-1/4X27"OAL	
11	049474	1	VALVE, WATER REGULATING 1 1/4"	
12	250007-169	1	NIPPLE, CONDUIT 1/2 X 1.5"	
13	408300-008	2	CLAMP, HOSE O.D. 1.750	
14	829705-075	5	SCREW, HX SER WASH 5/16 X 3/4"	
15	847715-050	1	ELBOW, ENTRANCE 1/2"	
16	850603-016	11	WIRE, NEOPRENE #16-3 SO (FT)	
17	860120-125	1	CONNECTOR, 37FL/MPT 1-1/4 X 1-1/4	
18	860120-150	3	CONNECTOR, 37FL/MPT 1-1/4 X 1-1/2	
19	860220-150	2	ELBOW, 37FL 90M 1 1/4 X 1 1/2"	
20	866215-060	1	ELBOW,PIPE 90DG 1 1/2" 150#PLT	
21	866420-000	1	NIPPLE, PIPE XS 1 1/4 X CLOSE	
22	866424-000	3	NIPPLE,PIPE XS 1 1/2 X CLOSE	
23	879412-010	1	COUPLING, RED 1 1/2 X 1 1/4	

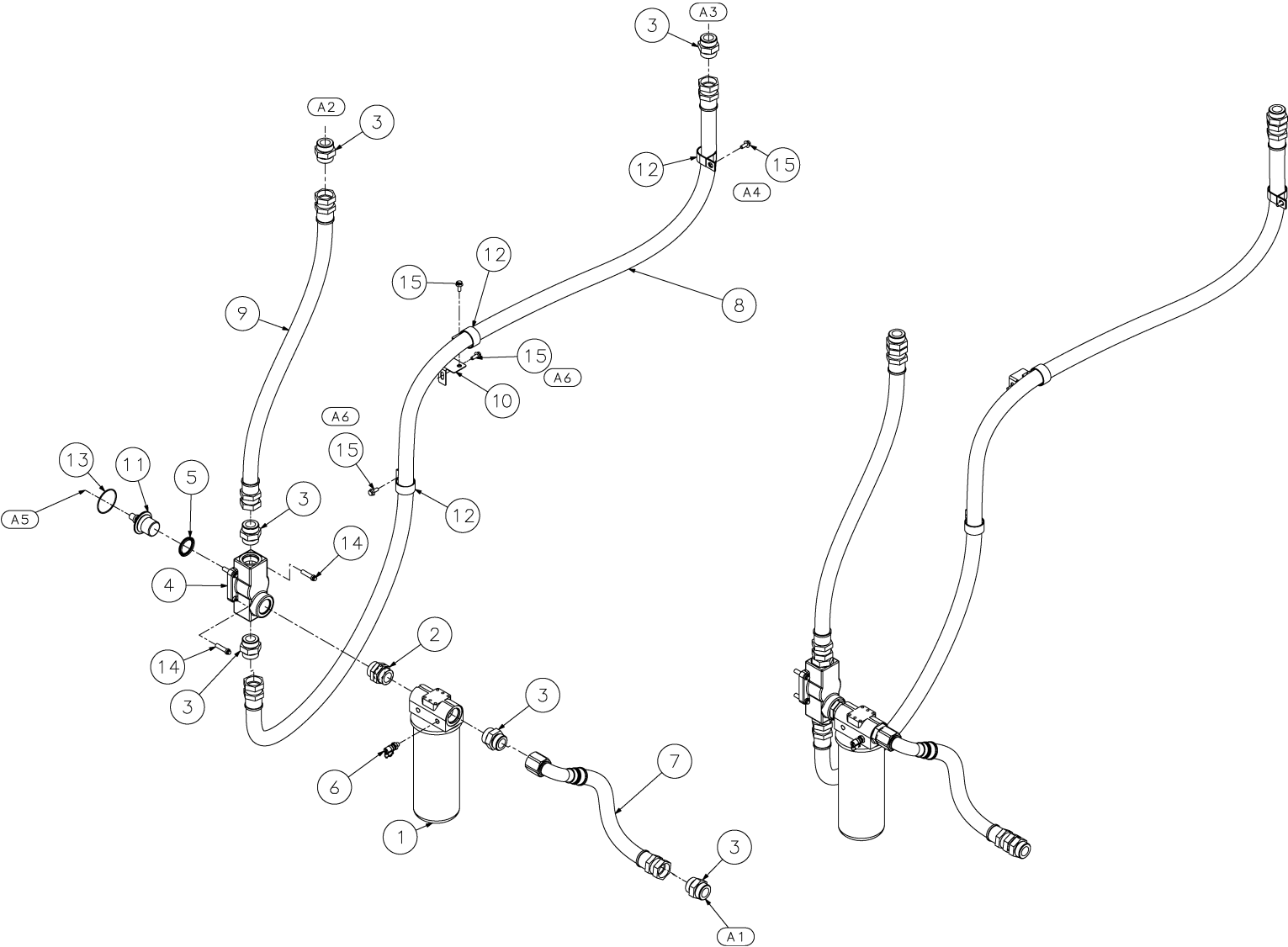
Drawing notes

A1	TO OIL COOLER OUT
A2	TO OIL COOLER IN
A3	TO AFTERCOOLER OUT

1.10 Water piping, water-cooled (water solenoid valve and water regulating valve)

Key	Part number	Qty	Description	Notes
A4	TO AFTERCOOLER IN			
A5	WTROC SUPPORT			
A6	WTROC SUPPORT, LEG			
A7	TO FRAME			

1.11 Fluid piping, air-cooled (L, H)



02250228-837 R03

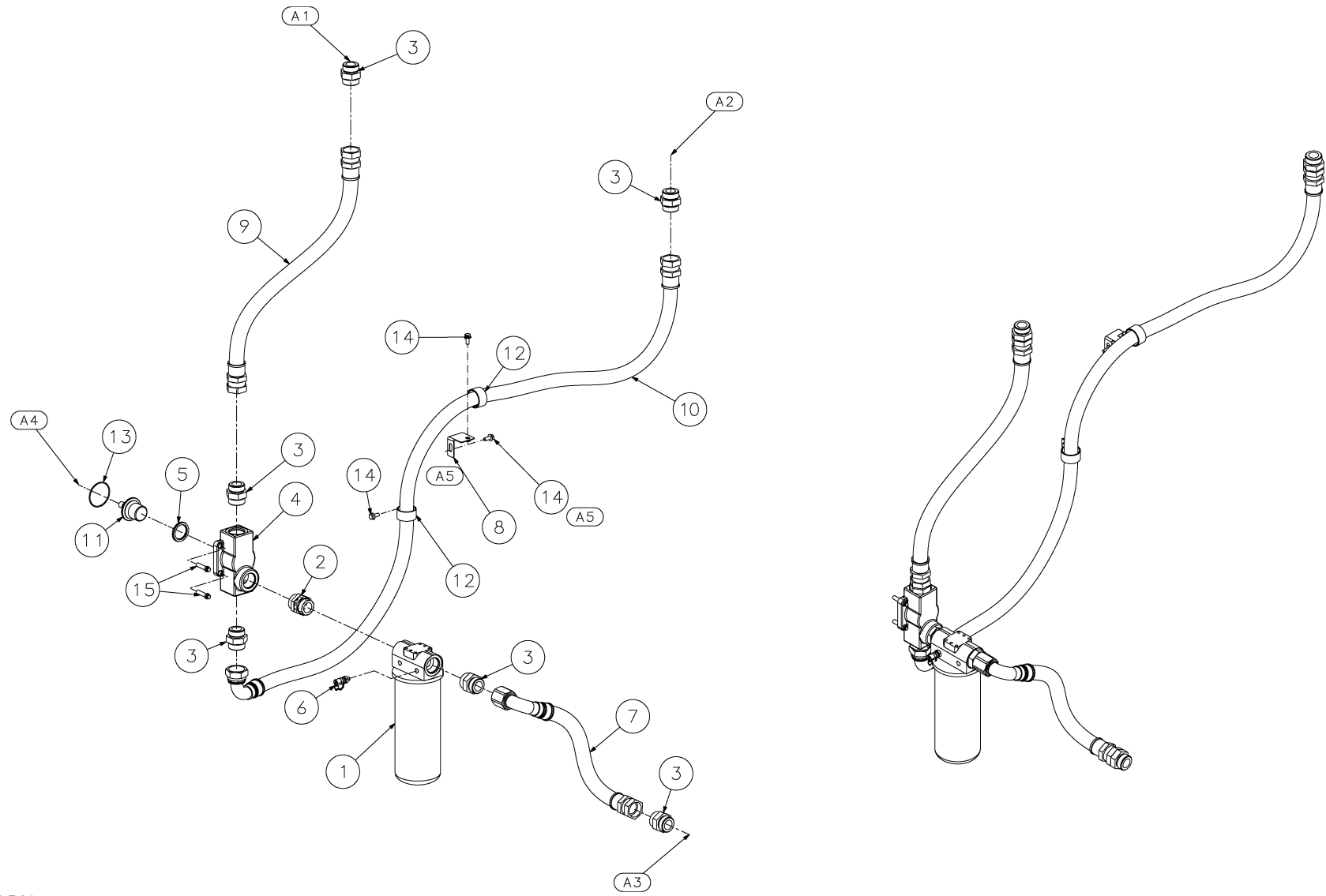
1.11 Fluid piping, air-cooled (L, H)

Key	Part number	Qty	Description	Notes
1	02250054-605	1	FILTER,FL 1 5/8"SAE STR THRD CON	
2	02250055-015	1	ADAPTER,SAE 1 5/8-12 X 1 5/8-12	
3	02250087-068	6	CONNECTOR,SAE X ORFS 1.25"	
4	02250092-929	1	HOUSING,THRM VLV 1-5/8 - 12 CONN	
5	02250101-372	1	SEAL,U-CUP VITON THERM VLV	
6	02250196-306	1	VALVE, KP18NV (1/8" NPTF, VITON)	
7	02250215-796	1	HOSE,MP 7/8ID X 23.5OAL	
8	02250228-719	1	HOSE,MP 1-1/8"ID X 108"OAL	
9	02250228-720	1	HOSE,MP 1-1/8"ID X 36"OAL	
10	02250229-254	1	SUPPORT,BRACKET AC FLPP	
11	049542	1	ELEMENT, THERMAL VALVE 175	
12	408300-008	3	CLAMP, HOSE O.D. 1.750	
13	826502-144	1	O-RING,VITON 2 1/2 X 3/32	
14	828406-150	4	CAPSCREW,FERRY HEAD 3/8-16 X 1 1/2"	
15	829705-075	4	SCREW, HX SER WASH 5/16 X 3/4"	

Drawing notes

A1	TO AIR END
A2	TO COOLER OUT
A3	TO COOLER IN
A4	TO AIROC BOX
A5	TO SEPARATOR TANK
A6	TO AIROC SUPPORT

1.12 Fluid piping, water-cooled (L, H)



02250231-272 R01

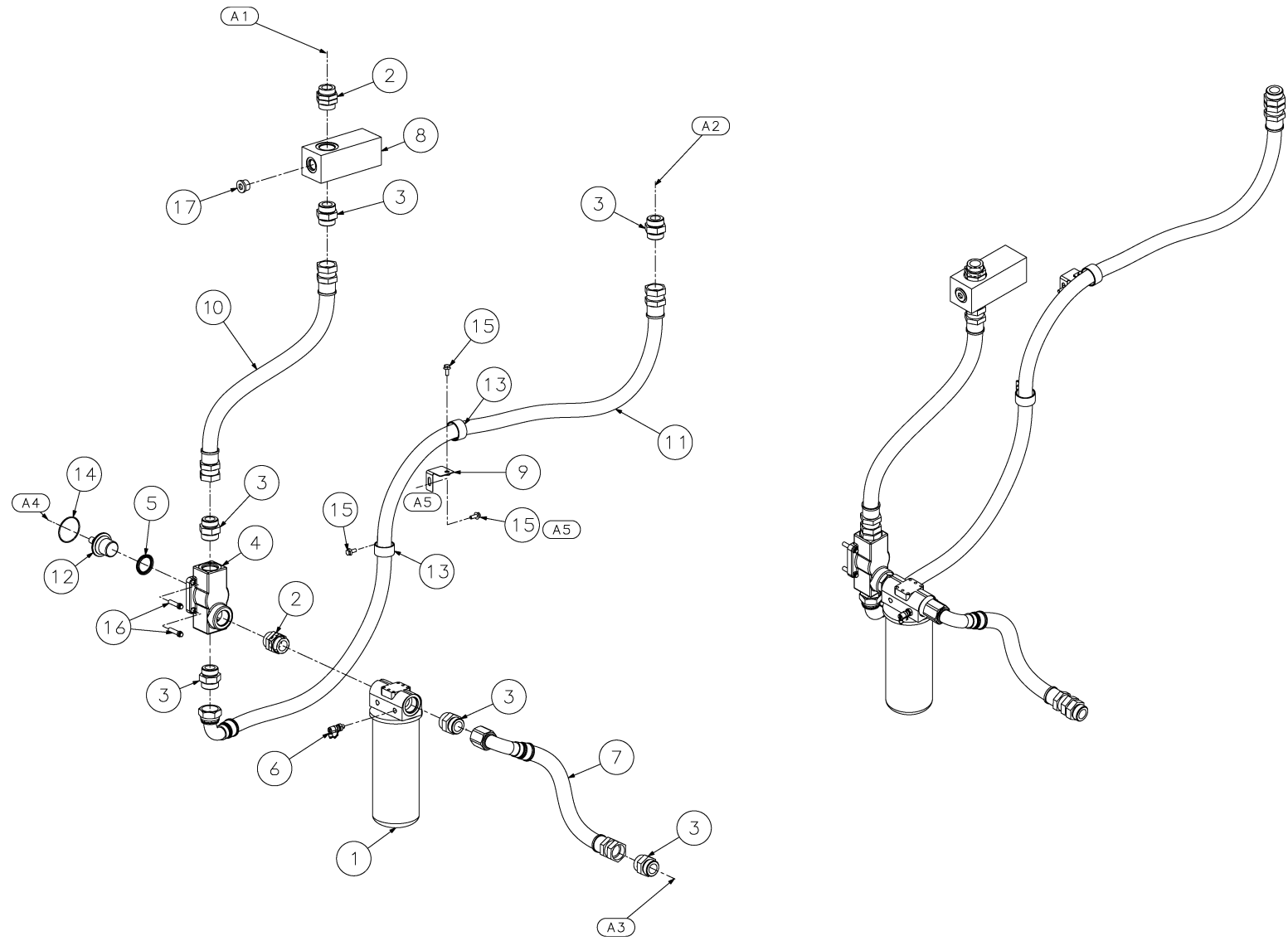
1.12 Fluid piping, water-cooled (L, H)

Key	Part number	Qty	Description	Notes
1	02250054-605	1	FILTER,FL 1 5/8"SAE STR THRD CON	
2	02250055-015	1	ADAPTER,SAE 1 5/8-12 X 1 5/8-12	
3	02250087-068	6	CONNECTOR,SAE X ORFS 1.25"	
4	02250092-929	1	HOUSING,THRM VLV 1-5/8 - 12 CONN	
5	02250101-372	1	SEAL,U-CUP VITON THERM VLV	
6	02250196-306	1	VALVE, KP18NV (1/8" NPTF, VITON)	
7	02250215-796	1	HOSE,MP 7/8ID X 23.5OAL	
8	02250229-254	1	SUPPORT,BRACKET AC FLPP	
9	02250229-440	1	HOSE,MP 1-1/8"ID X 32"OAL	
10	02250229-441	1	HOSE,MP 1-1/8"ID X 84"OAL	
11	049542	1	ELEMENT,	
12	408300-008	2	CLAMP, HOSE O.D. 1.750	
13	826502-144	1	O-RING,VITON 2 1/2 X 3/32	
14	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
15	867306-150	4	CAPSCREW,FERRY HEAD 3/8-16 X 1 1/2"	

Drawing notes

A1	TO OIL COOLER IN
A2	TO OIL COOLER OUT
A3	TO AIR END
A4	TO SEPARATOR TANK
A5	TO WTROC LEG

1.13 Fluid piping, water-cooled (L, H with regulating valve)



02250229-437 R02

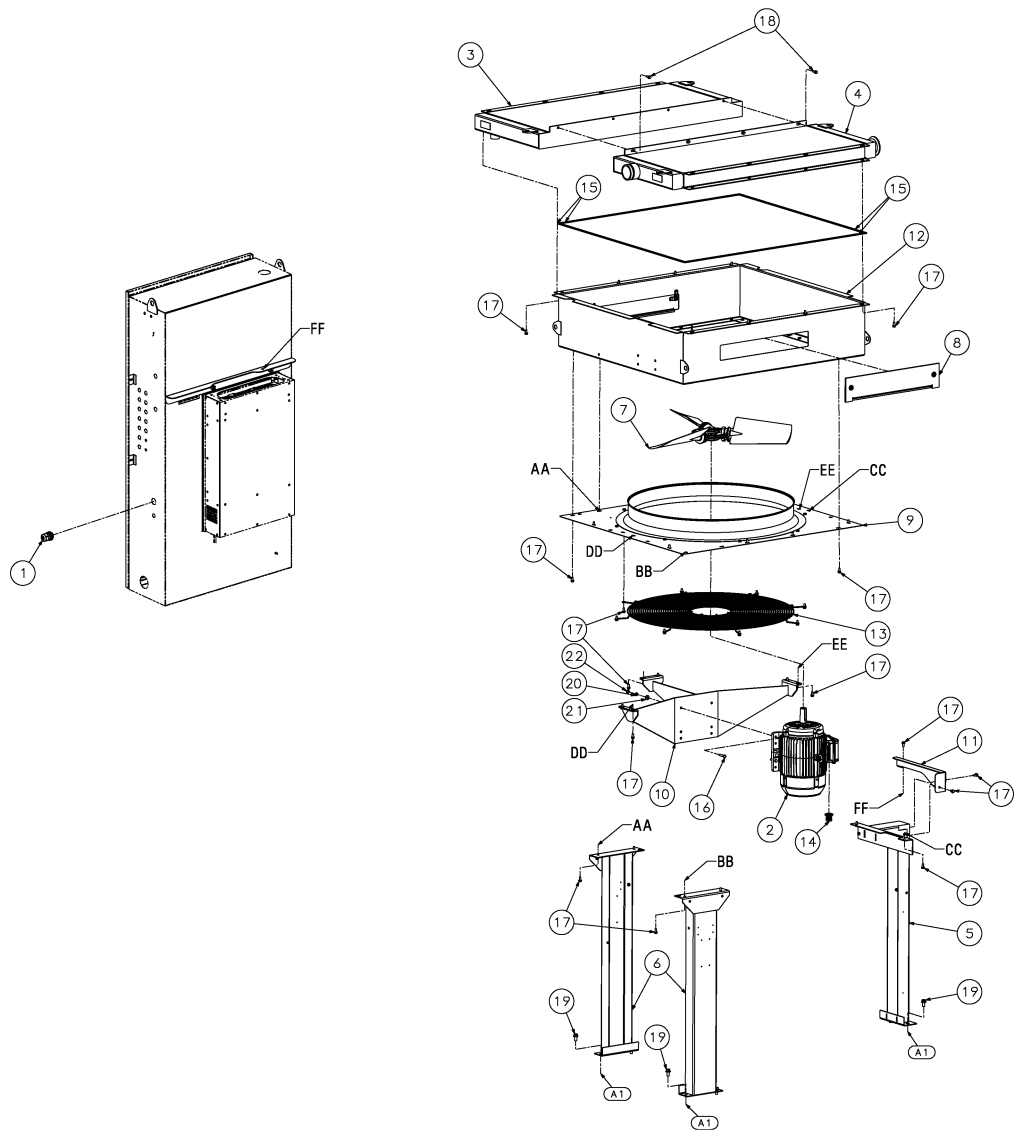
1.13 Fluid piping, water-cooled (L, H with regulating valve)

Key	Part number	Qty	Description	Notes
1	02250054-605	1	FILTER,FL 1 5/8"SAE STR THRD CON	
2	02250055-015	2	ADAPTER,SAE 1 5/8-12 X 1 5/8-12	
3	02250087-068	6	CONNECTOR,SAE X ORFS 1.25"	
4	02250092-929	1	HOUSING,THRM VLV 1-5/8 - 12 CONN	
5	02250101-372	1	SEAL,U-CUP VITON THERM VLV	
6	02250196-306	1	VALVE, KP18NV (1/8" NPTF, VITON)	
7	02250215-796	1	HOSE,MP 7/8ID X 23.5OAL	
8	02250225-817	1	TEE,SAE 1-5/8"/ NPT 1/2"	
9	02250229-254	1	SUPPORT,BRACKET AC FLPP	
10	02250229-440	1	HOSE,MP 1-1/8"ID X 32"OAL	
11	02250229-441	1	HOSE,MP 1-1/8"ID X 84"OAL	
12	049542	1	ELEMENT, THERMAL VALVE 175	
13	408300-008	2	CLAMP, HOSE O.D. 1.750	
14	826502-144	1	O-RING,VITON 2 1/2 X 3/32	
15	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
16	867306-150	4	CAPSCREW,FERRY HEAD 3/8-16 X 1 1/2"	
17	875712-106	1	PLUG,STR THD HOL HX 1 1/16-12	

Drawing notes

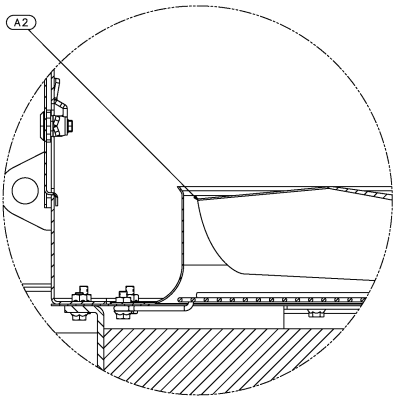
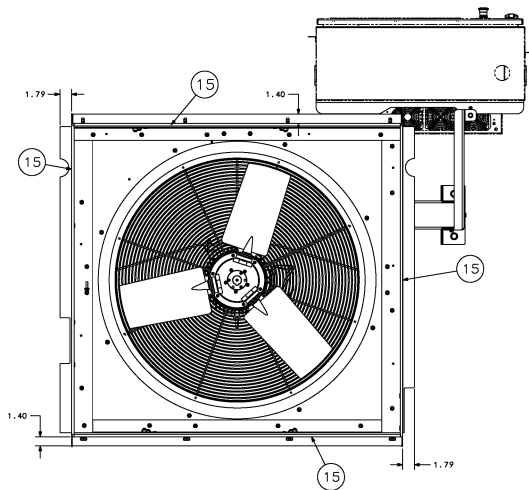
A1	TO OIL COOLER
A2	TO AFTERCOOLER
A3	TO AIR END
A4	TO SEPARATOR TANK
A5	TO WTROC LEG

1.14 Cooling and lubrication system, air-cooled (460V)

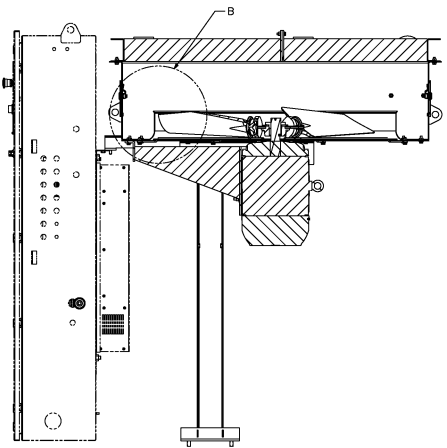
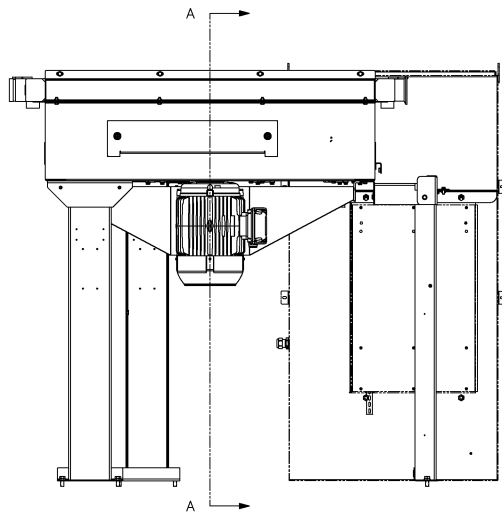


02250225-823 R06 (sh1)

1.14 Cooling and lubrication system, air-cooled (460V)



DETAIL B



SECTION A-A

02250225-823 R06 (sh2)

1.14 Cooling and lubrication system, air-cooled (460V)

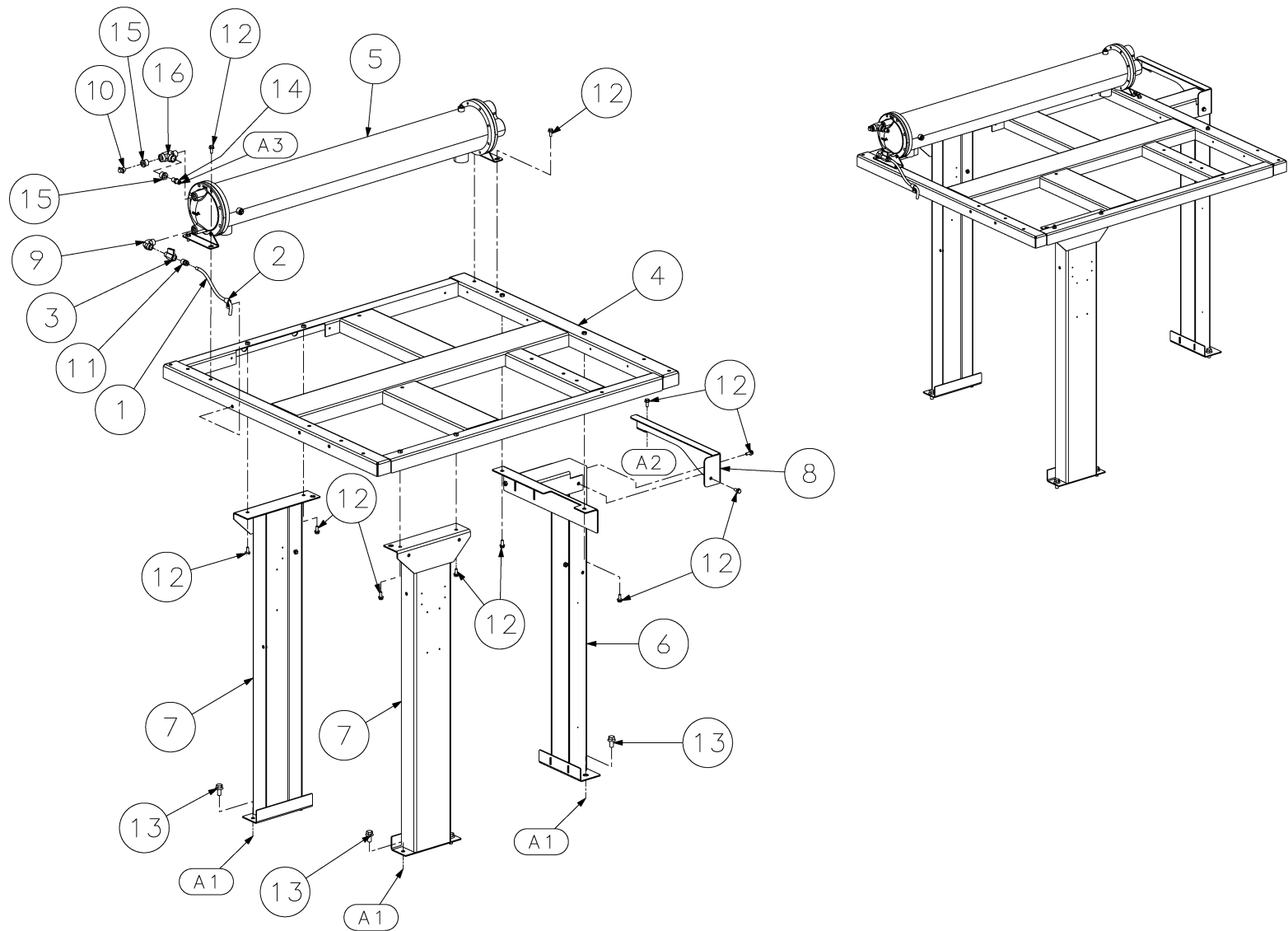
Key	Part number	Qty	Description	Notes
1	02250217-531	1	GRIP,CORD CABLE GLAND M32	
2	02250218-162	1	MOTOR, 3 HORSE POWER 6P 55C 230/460V	
3	02250223-690	1	COOLER,OIL 150HP LS110	
4	02250223-691	1	COOLER,AFTERCOOLER 150HP LS110	
5	02250224-809	1	SUPPORT,BRACKET AFTERCOOLER	
6	02250224-810	2	SUPPORT,BRACKET AFTERCOOLER	
7	02250224-846	1	FAN,AXIAL 36OD	
8	02250225-608	2	COVER,AIROC BOX	
9	02250226-074	1	PANEL,VENTURI	
10	02250226-076	1	SUPPORT,FAN MOTOR	
11	02250228-595	1	SUPPORT,BRACKET 125-150 STARTER	
12	02250228-828	1	BOX,AIROC	
13	248744	1	GUARD, FAN (2 PER PART)	
14	250018-499	1	GRIP, CORD FOR SO 12/4 ST 1"	
15	250022-436	17	WEATHERSTRIP,3/16" X 3/8" (FT)	FEET
16	829106-175	4	CAPSCREW,HX GR5 3/8-16 X 1 3/4	
17	829705-075	41	SCREW, HX SER WASH 5/16 X 3/4"	
18	829705-100	4	SCREW, HX SER WASH 5/16 X 1"	
19	829708-100	6	SCREW, HX SER WASH 1/2 X 1"	
20	837806-094	4	WASHER,SPRLOCK REG PLTD 3/8	
21	838206-071	4	WASHER,PL-B REG PLTD 3/8	
22	866506-337	4	NUT, HEX 3/8-16 PLT	

Drawing notes

A1	TO FRAME
A2	LEADING EDGE OF FAN NOT TO EXTEND PAST FLAT SECTION OF VENTURI

Notes:

1.15 Cooling and lubrication system, water-cooled (460V)



02250222-803 R02

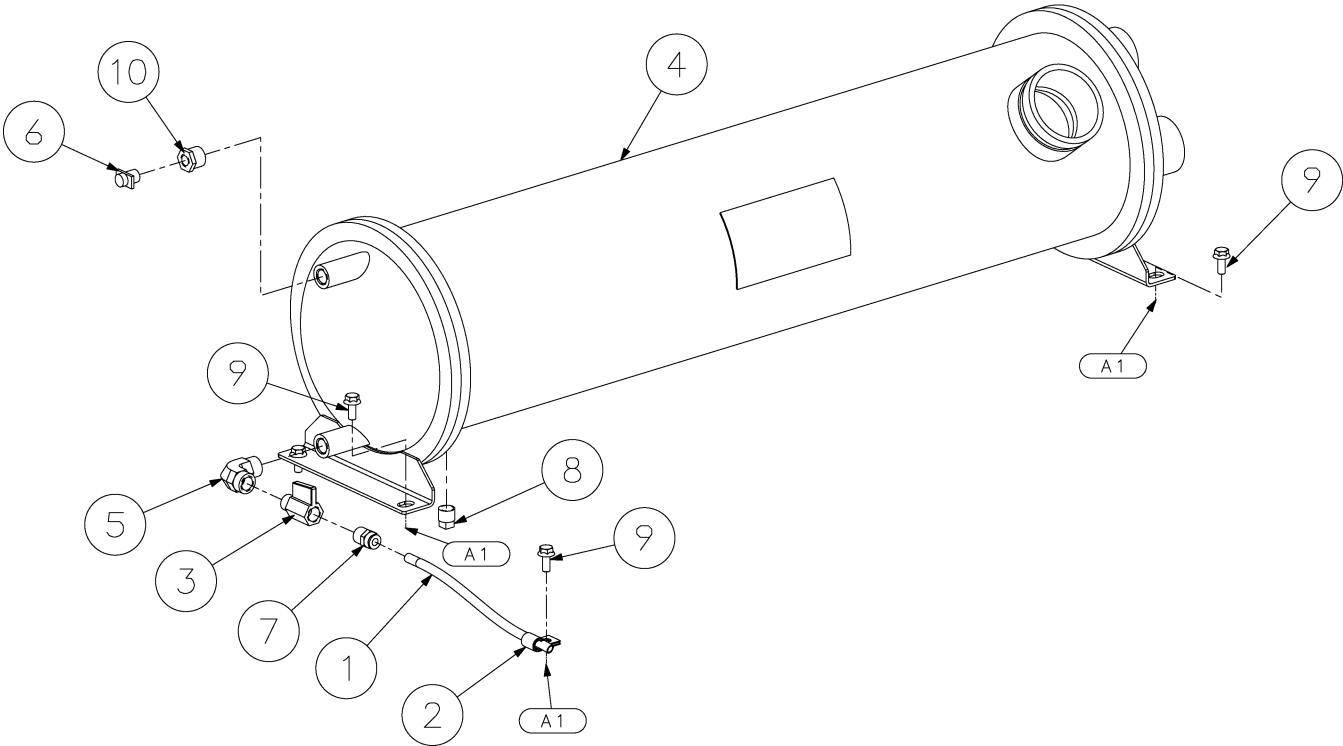
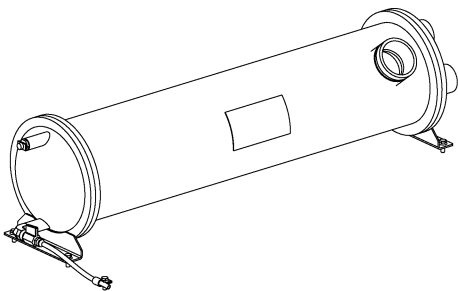
1.15 Cooling and lubrication system, water-cooled (460V)

Key	Part number	Qty	Description	Notes
1	02250099-630	1	TUBE,NYL .375OD X.05W BLK(FT)	
2	02250143-876	1	CLAMP, HOSE O.D. .375	
3	02250146-870	1	VALVE,BALL MINI M X F 3/8"VITON	
4	02250224-705	1	SUPPORT,WTROC 150HP	
5	02250224-711	1	COOLER,OIL W/SAE PORTS LS110	
6	02250224-809	1	SUPPORT,BRACKET AFTERCOOLER	
7	02250224-810	2	SUPPORT,BRACKET AFTERCOOLER	
8	02250228-595	1	SUPPORT,BRACKET 125-150 STARTER	
9	02250230-582	1	ELBOW,PIPE 90M/F 1/2 X 3/8"	
10	040061	1	DRAINLOCK, 1/4"	
11	250025-862	1	CONNECTOR, MALE 3/8TUBE X 3/8	
12	829705-075	13	SCREW, HX SER WASH 5/16 X 3/4"	
13	829708-100	6	SCREW, HX SER WASH 1/2 X 1"	
14	860404-012	1	NIPPLE, PIPE HX 1/4 X 1/8"	
15	867102-010	2	BUSHING,RED 1/2 X 1/4" STL PLT	
16	895508-050	1	TEE,MALE/FEMALE/FEMALE 1/2	

Drawing notes

A1	TO FRAME
A2	STARTER CABINET
A3	PRESSURE SENSOR

1.16 Aftercooler, water-cooled (standard)



02250222-865 R01



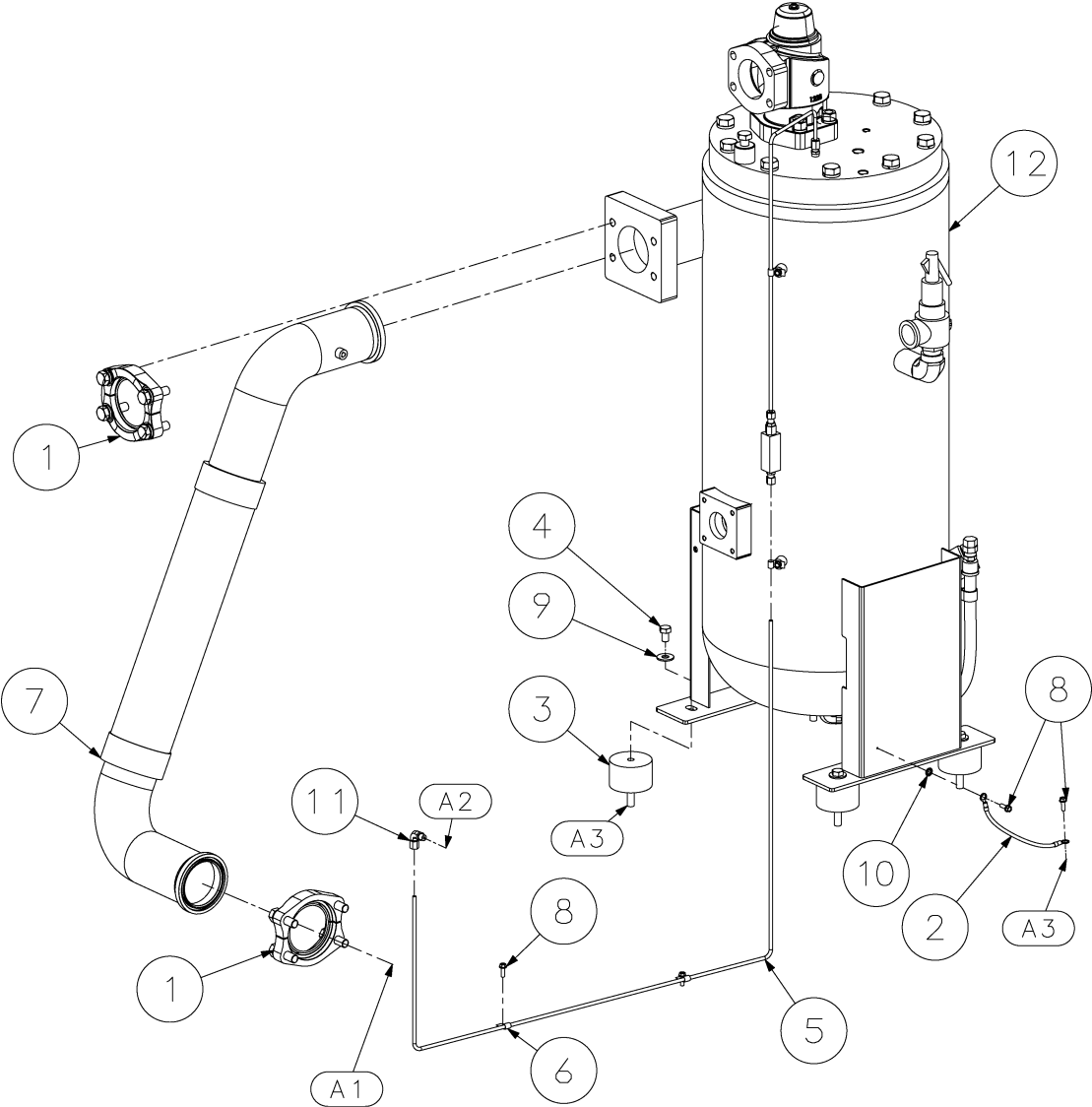
1.16 Aftercooler, water-cooled (standard)

Key	Part number	Qty	Description	Notes
1	02250099-630	1	TUBE,NYL .375OD X.05W BLK(FT)	
2	02250143-876	1	CLAMP, HOSE O.D. .375	
3	02250146-870	1	VALVE,BALL MINI M X F 3/8"VITON	
4	02250226-857	1	COOLER,AFTERCOOLER	
5	02250230-582	1	ELBOW,PIPE 90M/F 1/2 X 3/8"	
6	040061	1	DRAINLOCK, 1/4"	
7	250025-862	1	CONNECTOR, MALE 3/8TUBE X 3/8	
8	807800-015	1	PLUG, PIPE 3/8" 3000# STL	
9	829705-075	5	SCREW, HX SER WASH 5/16 X 3/4"	
10	867102-010	1	BUSHING,RED 1/2 X 1/4" STL PLT	

Drawing notes

A1	TO WTROC SUPPORT
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1.17 Sump & piping



02250222-721 R04

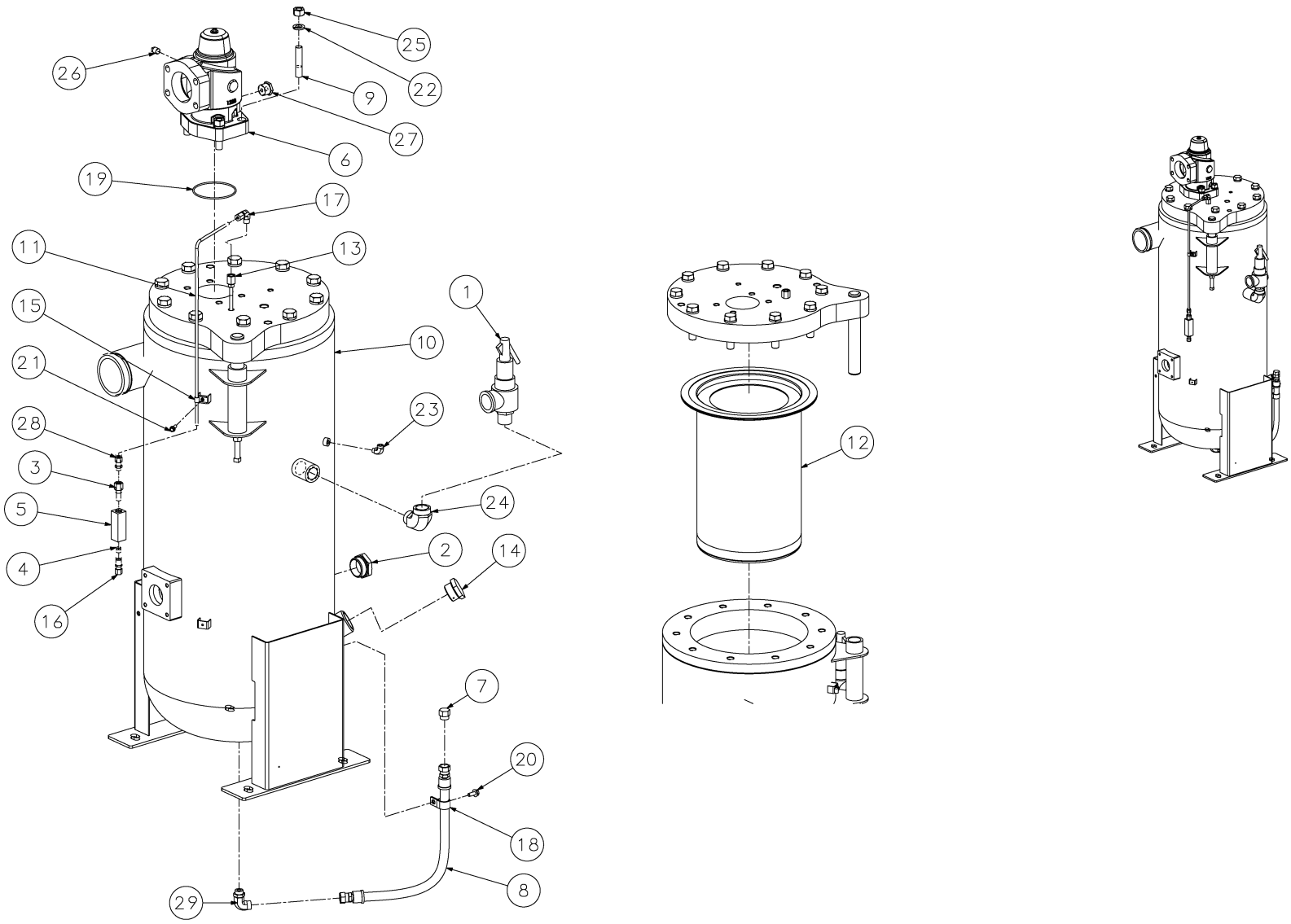
1.17 Sump & piping

Key	Part number	Qty	Description	Notes
1	02250224-539	2	FLANGE,3.5" SAE J518 CODE 61	
2	02250226-008	1	CABLE,GROUND BOND 8"	
3	02250228-381	4	ISOLATOR,VIBRATION 3.12OD X 2.00 1/2-13	
4	02250228-694	4	SCREW,HEX GR5 1/2-13 X 3/4 PLT	
5	02250228-840	1	TUBE,STAINLESS STEEL SCAVENGE LINE	
6	043357	3	CLAMP, SPEED - TUBE 1/4"	
7	1000-7442	1	PIPEASSY,DISCH LS110	
8	834504-075	5	SCREW, SELF DRILL 1/4 X 3/4"	
9	838208-112	4	WASHER, PL-B REG PLTD 1/2"	
10	838405-034	2	WASHER, LOCK EXT TOOTH 5/16"	
11	870804-044	1	ELBOW,TB-M STR THD SS 1/4 X 7/16	
12	1001-6747	1	SUB ASSEMBLY,SEP TANK LS110/LP 160 PSI	
	1000-9566	1	SUB ASSEMBLY,SEP TANK LS110/HP 200 PSI	
	1001-6748	1	SUB ASSEMBLY,SEP TANK LS110/HP CRV 200 PSI	

Drawing notes

A1	TO COMPRESSOR DISCHARGE
A2	TO SCAVENGE OIL RTN
A3	TO FRAME

1.18 Sump tank assembly

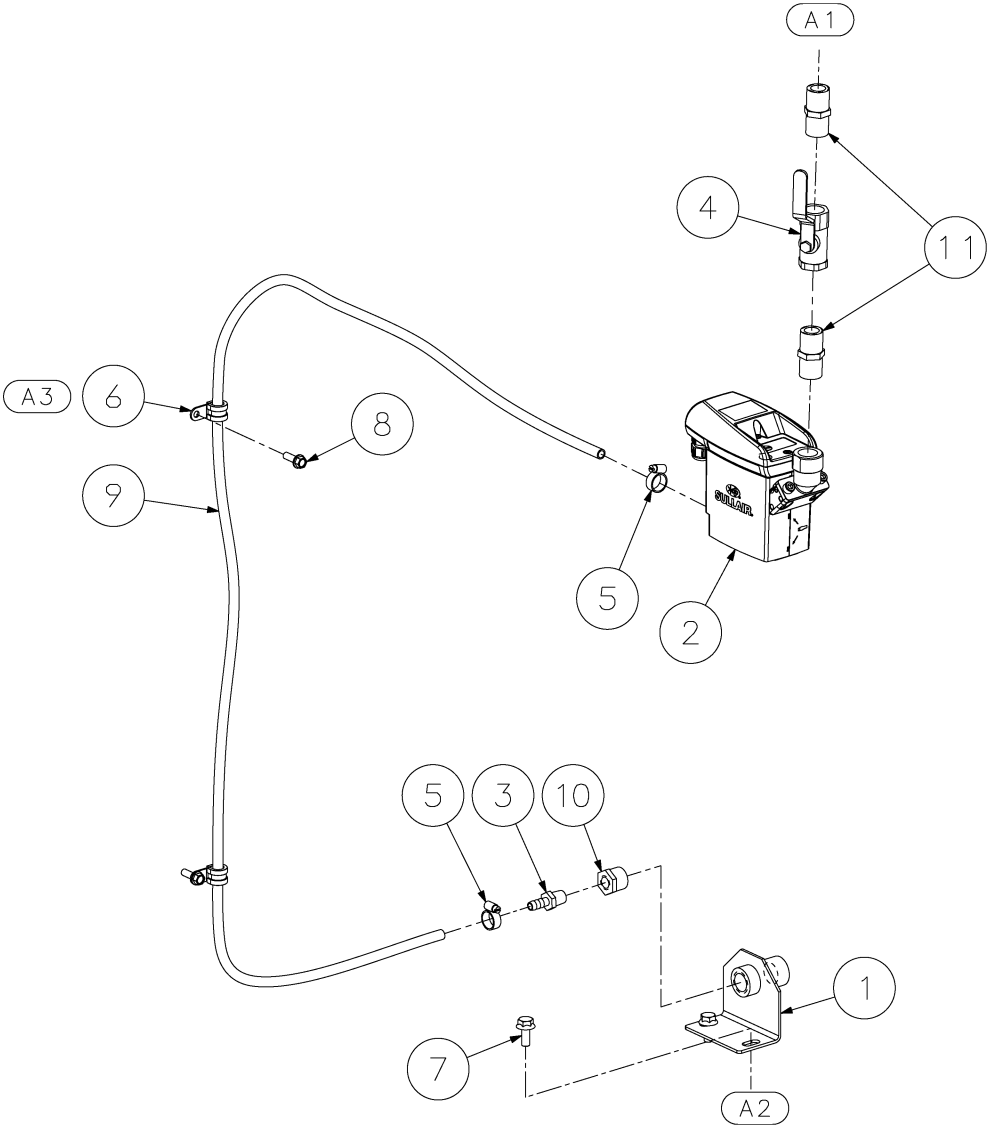


02250224-478 R03

1.18 Sump tank assembly

Key	Part number	Qty	Description	Notes
1	02250047-679	1	VALVE,RELIEF 1" X 1-1/4" 200PSIG	
2	02250097-611	1	PLUG, SIGHT GLASS 1 7/8" SAE	
3	02250117-782	1	FILTER,ASSEMBLY GENISIS FILTR +	
4	02250125-774	1	ORIFICE,PLUG 1/8"NPT 1/32	
5	02250126-129	1	SIGHTGLASS/ORF BLOCK - SAE	
6	02250213-089	1	VALVE,MINIMUM PRESSURE 3" W/CK SAE	
7	02250225-774	1	PLUG,STR THD ORFS 13/16-16 VIT	
8	02250225-900	1	HOSE,MP 13/32ID X 24OAL	
9	02250227-678	4	STUD,THRD 5/8-11 X 3 PLT	
10	02250228-830	1	TANK,SEP LS110	
11	02250228-831	1	TUBE,STAINLESS STEEL SCAVENGE LINE	
12	02250229-179	1	ELEMENT,SEP LS 110	
13	02250229-181	1	FITTING,SCAVENGE LINE 18.6 OAL	
14	040029	1	PLUG, O-RING BOSS SAE 1 1/4	
15	043357	1	CLAMP, SPEED - TUBE 1/4"	
16	250139-016	1	CONNECTOR,TUBE-M 1/4" SWGLK 316SS	
17	250211-005	1	ELBOW,TUBE-M 1/4" SWGLK 316SS	
18	408300-004	1	CLAMP, HOSE O.D. .875	
19	826502-241	1	O-RING,VITON 3 7/8 X 1/8"	
20	829705-075	1	SCREW, HX SER WASH 5/16 X 3/4"	
21	834504-075	1	SCREW, SELF DRILL 1/4 X 3/4"	
22	837810-156	4	WASHER, SPRLOCK REG PLTD 5/8"	
23	860702-012	1	ELBOW, PIPE 90M/F 1/8 X 1/8	
24	860716-100	1	ELBOW, PIPE 90M/F 1" X 1"	
25	866510-559	4	NUT, HEX 5/8-11 PLT	
26	866900-010	1	PLUG, PIPE 1/4" 3000# STL PLT	
27	867103-005	1	BUSHING,RED 3/4 X 1/8" STL PLT	
28	870904-044	1	CONNECTOR,TB-M STR THD SS 1/4 X7/16	
29	888708-075	1	ELBOW,ST THD/ORFS 3/4 X 1/2	

1.19 Moisture drain



02250224-898 R04

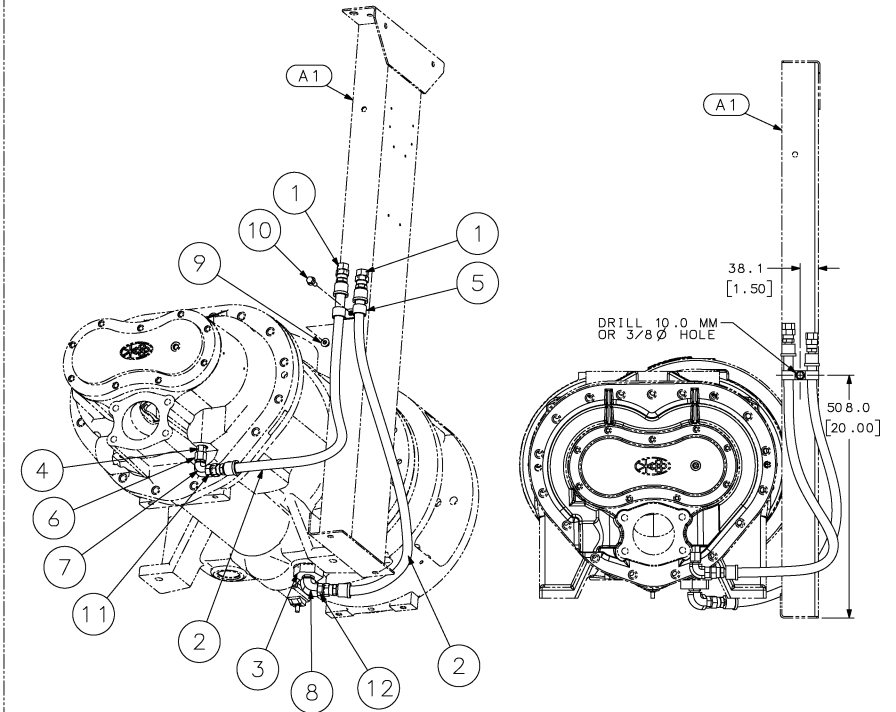
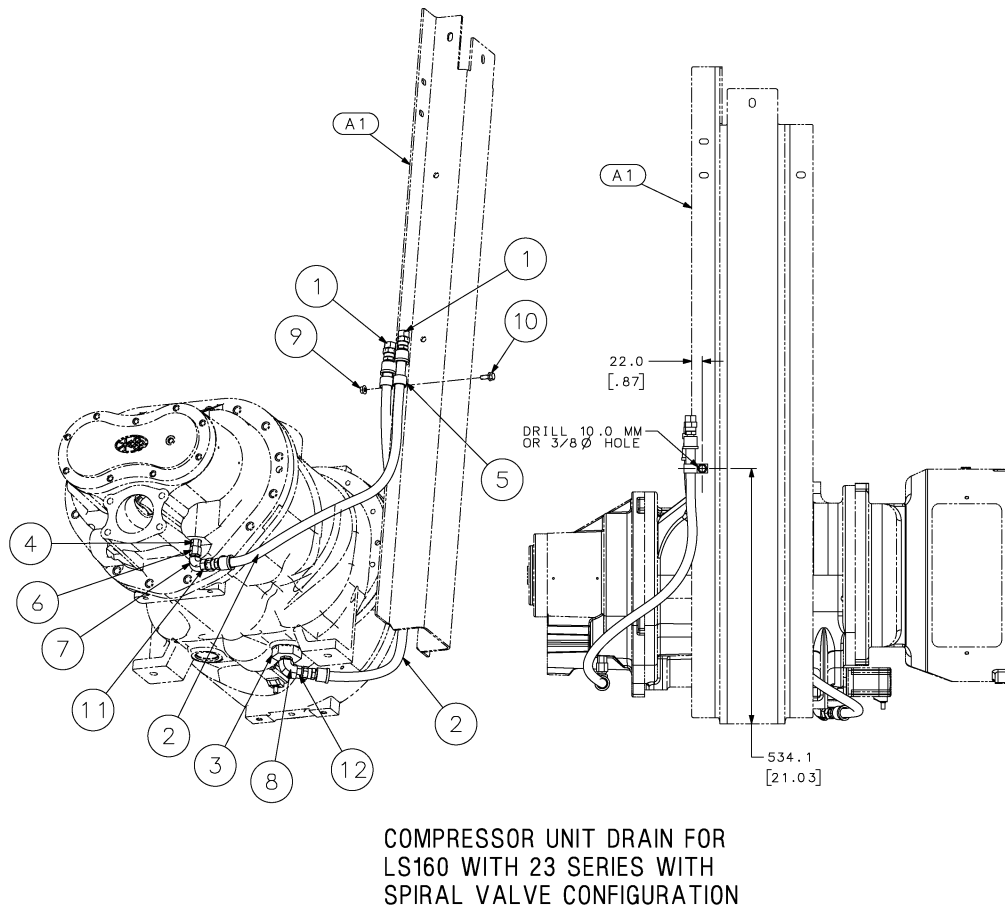
1.19 Moisture drain

Key	Part number	Qty	Description	Notes
1	02250225-371	1	SUPPORT,BRACKET MOISTURE REMOVAL	
2	02250252-887	1	DRAIN,SULLIMAX 32 VARIO 16FT	
3	043258	1	CONNECTOR,HOSE 5/16"	
4	047117	1	VALVE,BALL 1/2 NPT	
5	047235	2	CLAMP, HOSE 3/8"	
6	250025-633	2	CLAMP, TUBE RUBR CTD 1/2" DIA	
7	829705-075	2	SCREW, HX SER WASH 5/16 X 3/4"	
8	834504-075	2	SCREW, SELF DRILL 1/4 X 3/4"	
9	842315-031	5	HOSE, FUEL LINE 5/16" (FT)	
10	867102-010	1	BUSHING,RED 1/2 X 1/4" STL PLT	
11	881308-050	2	NIPPLE,PIPE HX BRASS 1/2 X 1/2	

Drawing notes

A1	TO H2O SEPARATOR
A2	TO FRAME
A3	TO AIROC LEG

1.20 Drain, 23 series with Spiral Valve



1003-4746 R00

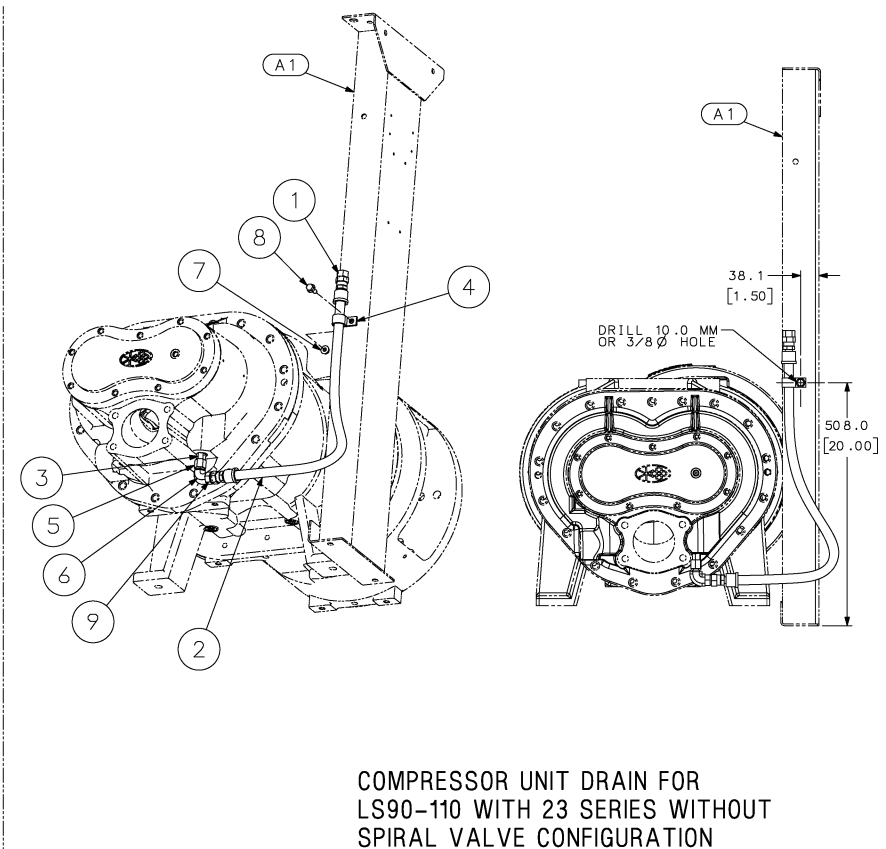
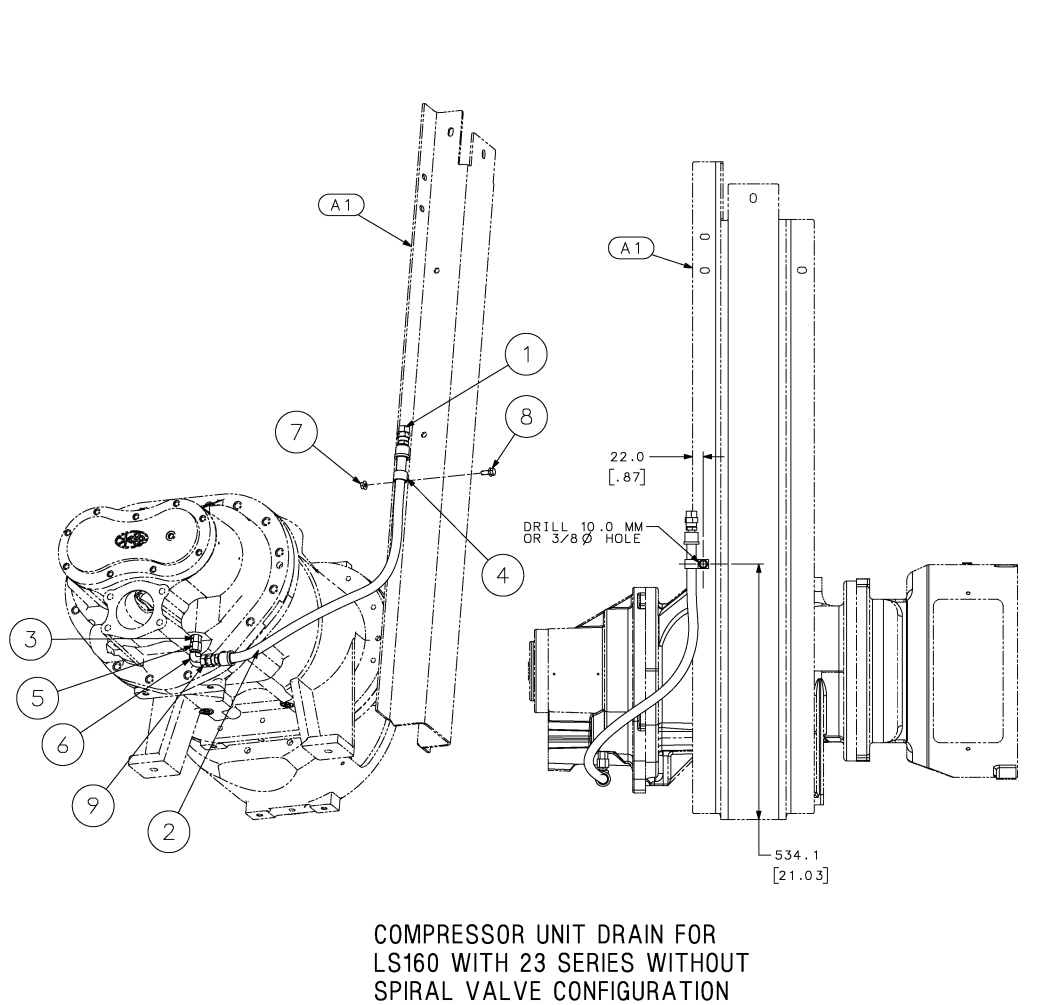
1.20 Drain, 23 series with Spiral Valve

Key	Part number	Qty	Description	Notes
1	02250225-774	2	PLUG,STR THD ORFS 13/16-16 VIT	
2	02250230-734	2	HOSE,MP 13/32ID X 33OAL	
3	1003-3528	1	REDUCER,STR THRD 1 1/2 X 1/2 VITON	
4	1003-3529	1	REDUCER,STR THRD 5/16 X 1/4 VITON	
5	408300-004	2	CLAMP, HOSE O.D. .875	
6	870004-006	1	REDUCER,STR THRD 1/4 X 3/8 VITON	
7	878306-056	1	ELBOW, FEMALE STRTHRD 9/16	
8	878308-075	1	ELBOW, FEMALE STRTHRD 3/4	
9	882508-125	1	NUT, HEX SERR FLNG M8 X 1.25	
10	882608-020	1	SCREW, HEX SER WASHER M8 X 20	
11	884408-056	1	CONNECTOR,STR THD/ORFS 3/4 X 1/2	
12	884408-075	1	CONNECTOR,STR THD/ORFS 7/16 X 1/2	

Drawing notes

A1	REAR COOLER SUPPORT
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1.21 Drain, 23 series without Spiral Valve



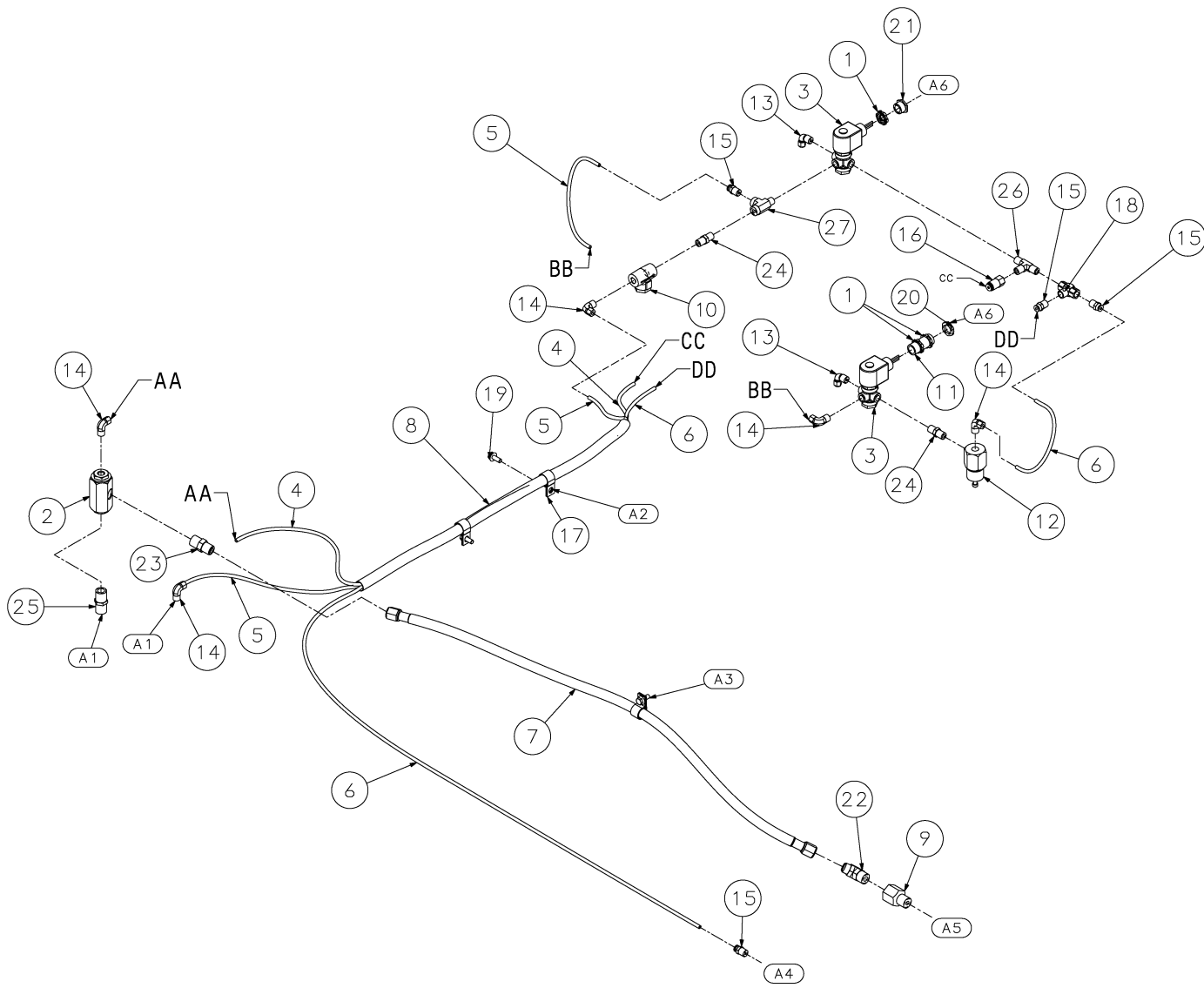
1.21 Drain, 23 series without Spiral Valve

Key	Part number	Qty	Description	Notes
1	02250225-774	1	PLUG,STR THD ORFS 13/16-16 VIT	
2	02250230-734	1	HOSE,MP 13/32ID X 33OAL	
3	1003-3529	1	REDUCER,STR THRD 5/16 X 1/4 VITON	
4	408300-004	1	CLAMP, HOSE O.D. .875	
5	870004-006	1	REDUCER,STR THRD 1/4 X 3/8 VITON	
6	878306-056	1	ELBOW, FEMALE STRTHRD 9/16	
7	882508-125	1	NUT, HEX SERR FLNG M8 X 1.25	
8	882608-020	1	SCREW, HEX SER WASHER M8 X 20	
9	884408-056	1	CONNECTOR,STR THD/ORFS 3/4 X 1/2	

Drawing notes

A1	REAR COOLER SUPPORT
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1.22 Pneumatic control, nylon (Wye-delta)



02250224-729 R02

1.22 Pneumatic control, nylon (Wye-delta)

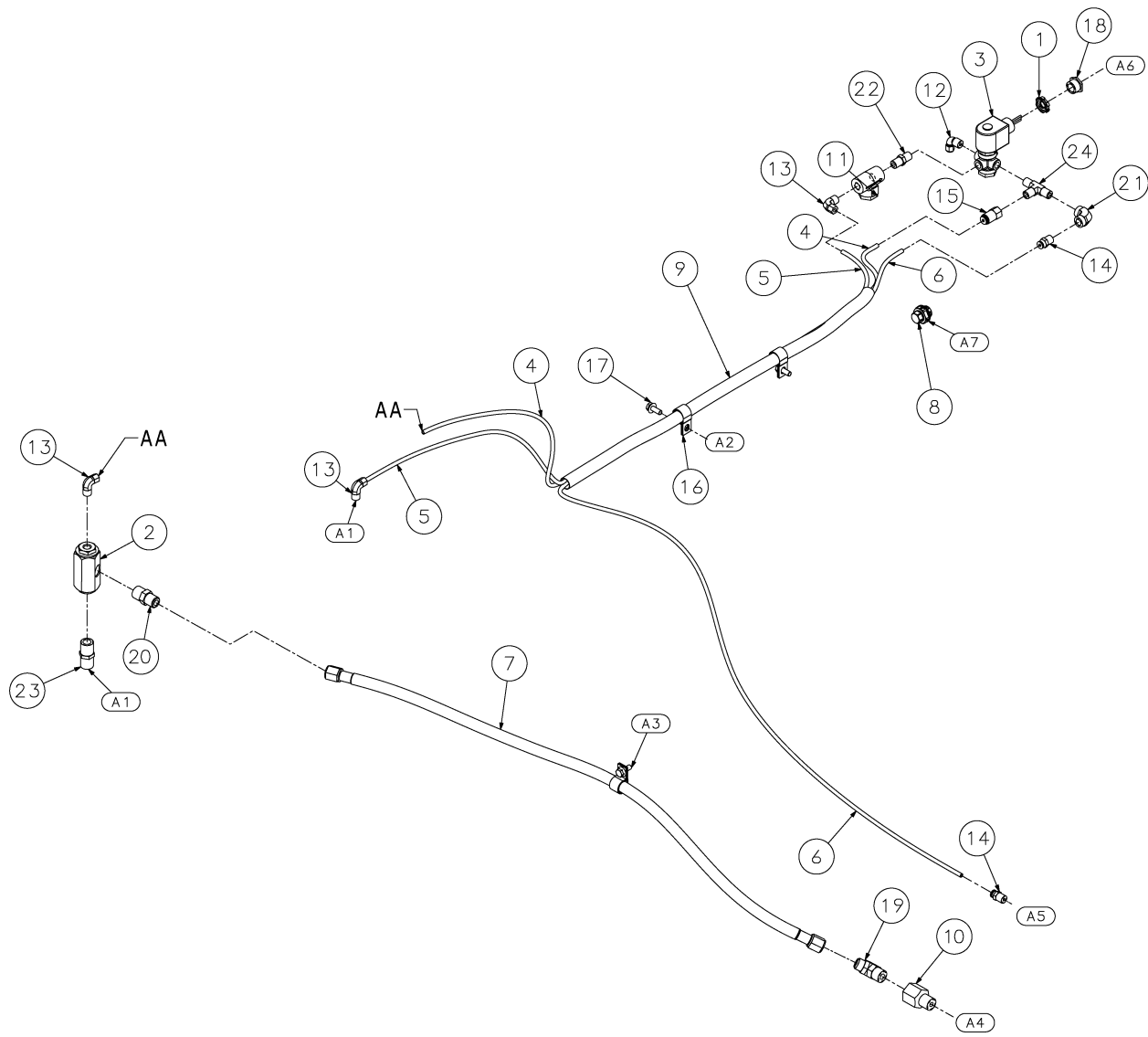
Key	Part number	Qty	Description	Notes
1	02250071-362	3	LOCKNUT,COND SEAL N4 1/2"	
2	02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
3	02250125-657	2	VALVE,SOLENOID 3WN0 1/4 235# N4 +	
4	02250155-961	5	TUBING,NYLON 1/4"-OD RED	
5	02250155-962	7	TUBING,NYLON 1/4"-OD BLUE	
6	02250155-963	9	TUBING,NYLON 1/4"-OD YELLOW	
7	02250200-791	1	HOSE,MP 13/32"ID X 42 OAL	
8	02250229-208	3	WRAP,.75ID PRESPLIT BRAIDED	
9	234125-313	1	ORIFICE, 1/2M X 1/2F X .313	
10	241771	1	STRAINER, V-TYPE 300PSIX1/4	
11	250007-170	1	NIPPLE, CONDUIT 1/2 X 2"	
12	250017-280	1	VALVE, PRESSURE REGULATOR	
13	250018-430	2	ELBOW, 1/4" TUBE X 1/4" NPT	
14	250025-850	5	ELBOW, 90DEG M SWVL 1/4 T X 1/4	
15	250025-859	4	CONNECTOR, MALE 1/4 TUBE X 1/4	
16	250025-923	1	CONNECTOR, FEM TUBE 1/4 X 1/4 NPTF	
17	408300-003	3	CLAMP, HOSE O.D. .750	
18	408893	1	VALVE, SHUTTLE 1/4" (DBL CHK)	
19	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
20	847200-050	1	LOCKNUT, CONDUIT 1/2"	
21	847815-050	1	NIPPLE, CHASE COND 1/2"	
22	860008-050	1	ELBOW, 37FL 45M 1/2 X 1/2"	
23	860108-050	1	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
24	868504-025	2	NIPPLE,PIPE HEX 1/4 X 1/4" PLT	
25	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
26	869825-025	1	TEE,MALE PIPE 1/4" BRASS	
27	895504-025	1	TEE,MALE/FEMALE/FEMALE 1/4	

1.22 Pneumatic control, nylon (Wye-delta)

Key	Part number	Qty	Description	Notes
Drawing notes				
A1	TO SEPARATOR TANK			
A2	TO AIROC LEG			
A3	TO AIROC BOX			
A4	TO INLET VLV			
A5	TO INLET ELBOW			
A6	TO STARTER BOX			

Notes:

1.23 Pneumatic control, nylon (VSD, Spiral Valve)



02250225-385 R03



1.23 Pneumatic control, nylon (VSD, Spiral Valve)

1	02250071-362	1	LOCKNUT,COND SEAL N4 1/2"	
2	02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
3	02250125-657	1	VALVE,SOLENOID 3WN0 1/4 235# N4 +	
4	02250155-961	5	TUBING,NYLON 1/4"-OD RED	
5	02250155-962	5	TUBING,NYLON 1/4"-OD BLUE	
6	02250155-963	7	TUBING,NYLON 1/4"-OD YELLOW	
7	02250200-791	1	HOSE,MP 13/32"ID X 42 OAL	
8	02250216-341	1	PLUG,CLICK BLK 20MM	
9	02250229-208	3	WRAP,.75ID PRESPLIT BRAIDED	
10	234125-313	1	ORIFICE,1/2M X 1/2F X .313	
11	241771	1	STRAINER, V-TYPE 300PSIX1/4	
12	250018-430	1	ELBOW, 1/4" TUBE X 1/4"NPT	
13	250025-850	3	ELBOW, 90DEG M SWVL 1/4 T X 1/4	
14	250025-859	2	CONNECTOR, MALE 1/4 TUBE X 1/4	
15	250025-923	1	CONNECTOR, FEM TUBE 1/4 X 1/4 NPTF	
16	408300-003	3	CLAMP, HOSE O.D. .750	
17	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
18	847815-050	1	NIPPLE, CHASE COND 1/2"	
19	860008-050	1	ELBOW, 37FL 45M 1/2 X 1/2"	
20	860108-050	1	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
21	860604-025	1	ELBOW, PIPE 90F 1/4 X 1/4"	
22	868504-025	1	NIPPLE,PIPE HEX 1/4 X 1/4" PLT	
23	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
24	869825-025	1	TEE,MALE PIPE 1/4" BRASS	

Drawing notes

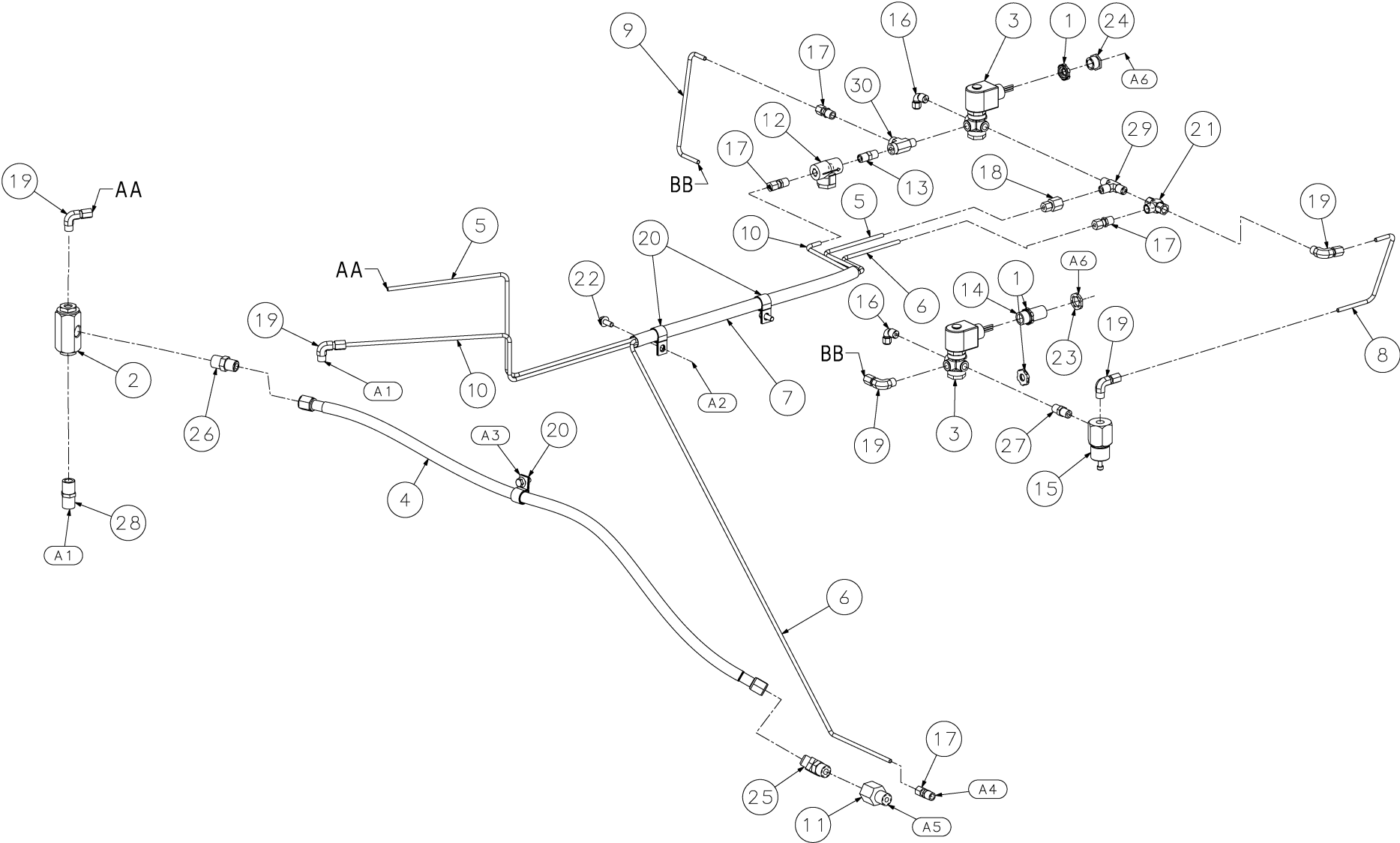
A1	TO SEPARATOR TANK
A2	TO AIROC LEG
A3	TO AIROC BOX

1.23 Pneumatic control, nylon (VSD, Spiral Valve)

1	02250071-362	1	LOCKNUT,COND SEAL N4 1/2"	
A4	TO INLET VLV			
A5	TO INLET ELBOW			
A6	TO STARTER BOX			
A7	TO OPENING ON STARTER BOX			

Notes:

1.24 Pnuematic control, stainless steel (Wye-delta)



02250222-471 R03



02250231-031 R05
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.24 Pneumatic control, stainless steel (Wye-delta)

Key	Part number	Qty	Description	Notes
1	02250071-362	3	LOCKNUT,COND SEAL N4 1/2"	
2	02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
3	02250125-657	2	VALVE,SOLENOID 3WN0 1/4 235# N4 +	
4	02250200-791	1	HOSE,MP 13/32"ID X 42 OAL	
5	02250229-124	1	TUBE,STAINLESS STEEL 1/4" OD BD PILOT	
6	02250229-125	1	TUBE,STAINLESS STEEL 1/4" OD CTRL 2	
7	02250229-208	2	WRAP,.75ID PRESPLIT BRAIDED	
8	02250229-315	1	TUBE,STAINLESS STEEL 1/4" OD CTRL 1	
9	02250229-316	1	TUBE,STAINLESS STEEL 1/4" OD SEQ SUPPLY	
10	02250229-376	1	TUBE,STAINLESS STEEL 1/4" OD SUPPLY VCC	
11	234125-313	1	ORIFICE, 1/2M X 1/2F X .313	
12	241771	1	STRAINER, V-TYPE 300PSIX1/4	
13	249537	1	NIPPLE, BRASS HEX 1/4"-NPT	
14	250007-170	1	NIPPLE, CONDUIT 1/2 X 2"	
15	250017-280	1	VALVE, PRESSURE REGULATOR	
16	250018-430	2	ELBOW, 1/4" TUBE X 1/4" NPT	
17	250139-016	4	CONNECTOR,TUBE-M 1/4" SWGLK 316SS	
18	250139-044	1	CONNECTOR, TUBE-F 1/4" SWGLK SS	
19	250211-005	5	ELBOW,TUBE-M 1/4" SWGLK 316SS	
20	408300-003	3	CLAMP, HOSE O.D. .750	
21	408893	1	VALVE, SHUTTLE 1/4" (DBL CHK)	
22	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
23	847200-050	1	LOCKNUT, CONDUIT 1/2"	
24	847815-050	1	NIPPLE, CHASE COND 1/2"	
25	860008-050	1	ELBOW, 37FL 45M 1/2 X 1/2"	
26	860108-050	1	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
27	868504-025	1	NIPPLE,PIPE HEX 1/4 X 1/4" PLT	

1.24 Pneumatic control, stainless steel (Wye-delta)

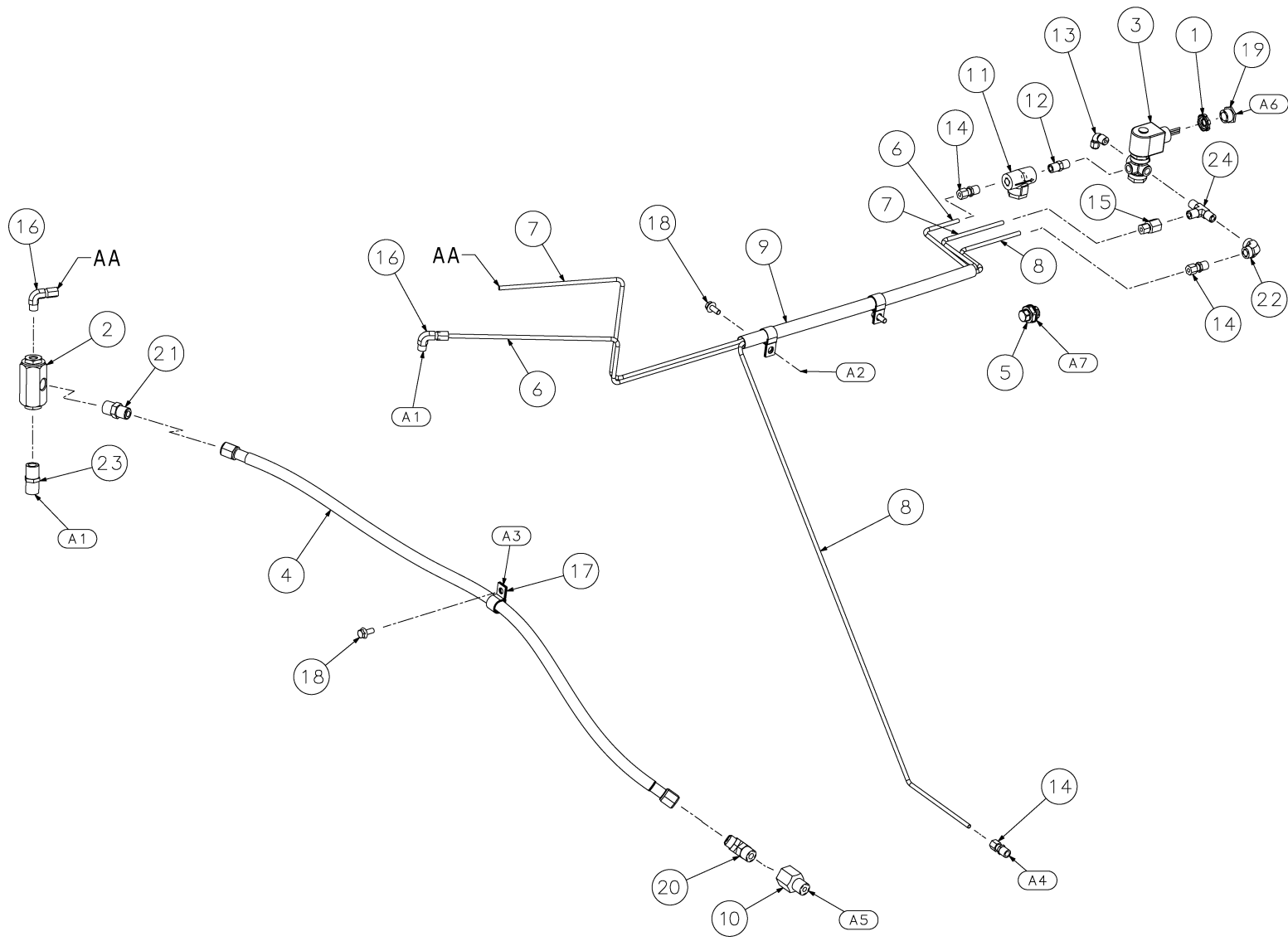
Key	Part number	Qty	Description	Notes
28	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
29	869825-025	1	TEE,MALE PIPE 1/4" BRASS	
30	895504-025	1	TEE,MALE/FEMALE/FEMALE 1/4	

Drawing notes

A1	TO SEPARATOR TANK
A2	TO AIROC LEG
A3	TO AIROC BOX
A4	TO INLET VLV
A5	TO ELBOW
A6	TO STARTER BOX

Notes:

1.25 Pneumatic control, stainless steel (VSD, Spiral Valve)



02250225-386 R02



1.25 Pneumatic control, stainless steel (VSD, Spiral Valve)

Key	Part number	Qty	Description	Notes
1	02250071-362	1	LOCKNUT,COND SEAL N4 1/2"	
2	02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
3	02250125-657	1	VALVE,SOLENOID 3WN0 1/4 235# N4 +	
4	02250200-791	1	HOSE,MP 13/32"ID X 42 OAL	
5	02250216-341	1	PLUG,CLICK BLK 20MM	
6	02250229-121	1	TUBE,STAINLESS STEEL 1/4" OD SUPPLY VCC	
7	02250229-124	1	TUBE,STAINLESS STEEL 1/4" OD BD PILOT	
8	02250229-125	1	TUBE,STAINLESS STEEL 1/4" OD CTRL 2	
9	02250229-208	2	WRAP,.75ID PRESPLIT BRAIDED	
10	234125-313	1	ORIFICE,1/2M X 1/2F X .313	
11	241771	1	STRAINER,V - TYPE 250# X 1/4"	
12	249537	1	NIPPLE, BRASS HEX-1/4"	
13	250018-430	1	ELBOW, 1/4" TUBE X 1/4" NPT	
14	250139-016	3	CONNECTOR,TUBE-M 1/4" SWGLK 316SS	
15	250139-044	1	CONNECTOR, TUBE-F 1/4" SWGLK SS	
16	250211-005	2	ELBOW,TUBE-M 1/4" SWGLK 316SS	
17	408300-003	3	CLAMP, HOSE O.D. .750	
18	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
19	847815-050	1	NIPPLE, CHASE COND 1/2"	
20	860008-050	1	ELBOW, 37FL 45M 1/2 X 1/2"	
21	860108-050	1	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
22	860604-025	1	ELBOW, PIPE 90F 1/4 X 1/4"	
23	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
24	869825-025	1	TEE,MALE PIPE 1/4" BRASS	

Drawing notes

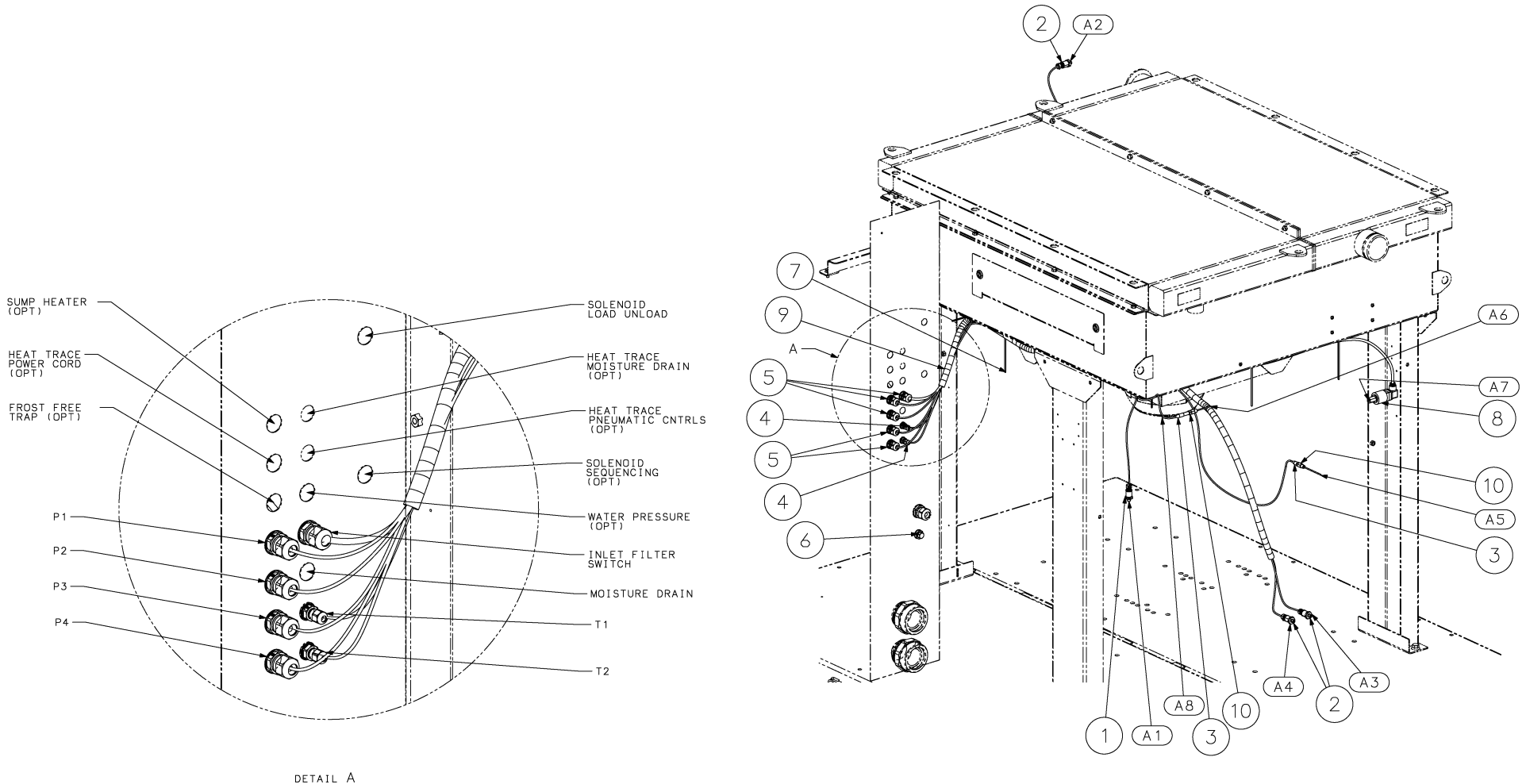
A1	TO SEPARATOR TANK
A2	TO AIROC LEG

1.25 Pneumatic control, stainless steel (VSD, Spiral Valve)

Key	Part number	Qty	Description	Notes
A3	TO AIROC BOX			
A4	TO INLET VLV			
A5	TO ELBOW			
A6	TO STARTER BOX			
A7	TO OPENING ON STARTER BOX			

Notes:

1.26 Electrical control assembly (Wye-delta, VSD)



02250221-929 R06



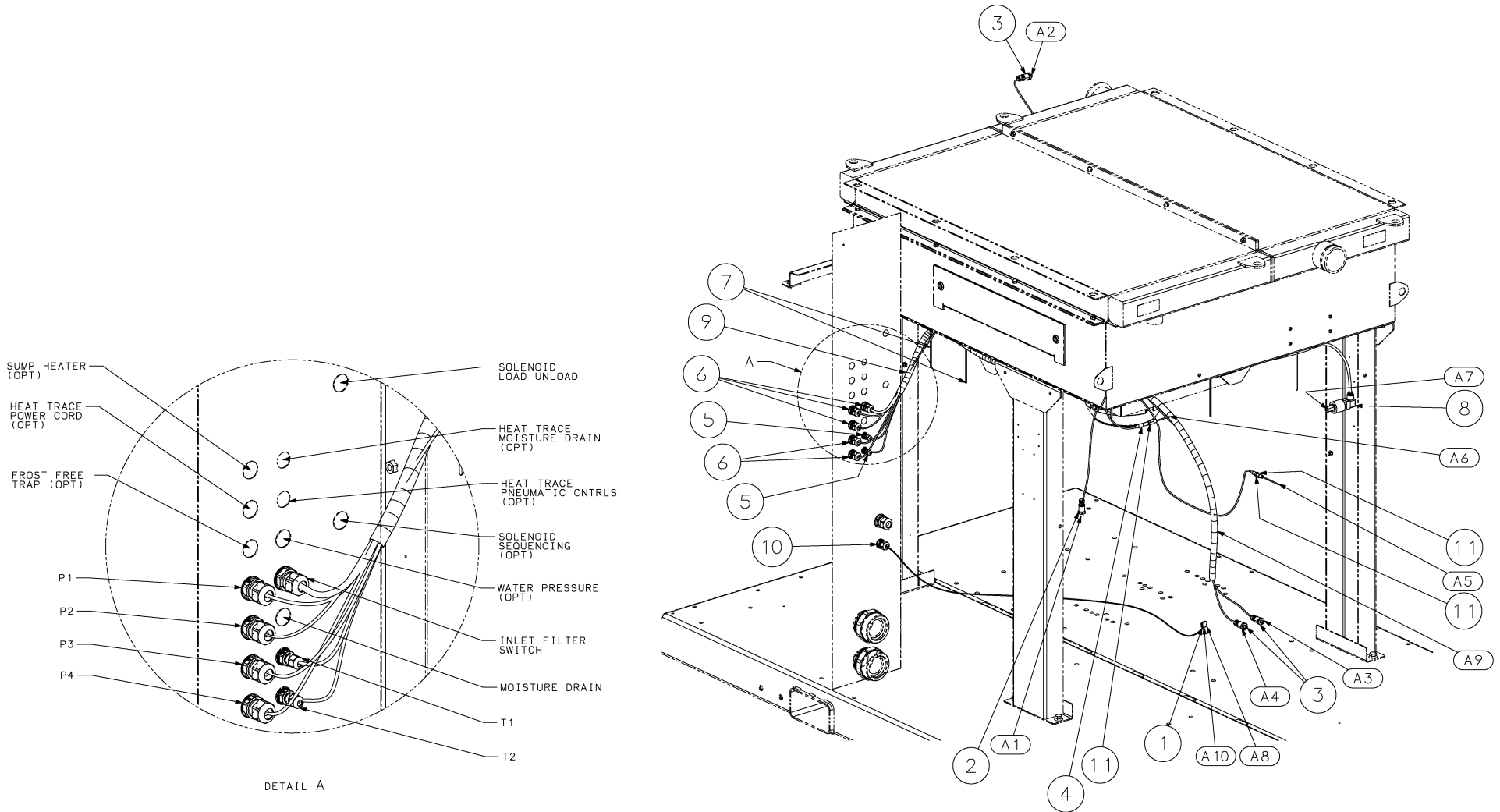
1.26 Electrical control assembly (Wye-delta, VSD)

Key	Part number	Qty	Description	Notes
1	02250155-174	1	TRANSDUCER,PRESS 0-250# RATIO METRIC	
2	02250172-873	3	KIT,XDCR PRESS0-250# 12FT CORD	
3	02250175-087	2	PROBE,THERMISTER 3000 OHM NTC 12'L	
4	02250215-692	2	GRIP,CORD CABLE GLAND M 12	
5	02250215-693	5	GRIP,CORD CABLE GLAND M 20	
6	02250216-341	1	PLUG,CLICK BLK 20MM	
7	02250221-086	9	WRAP,PUSH LOK TIE	
8	02250224-853	1	SWITCH,VAC 22" N4	
9	02250229-208	1	WRAP,.75ID PRESPLIT BRAIDED	
10	250028-635	2	FITTING, COMPRESS ADJ	

Drawing notes

A1	P1 TO SUMP TANK
A2	P2 TO MOISTURE SEP
A3	P3 TO FLUID FILTER OUT
A4	P4 TO FLUID FILTER IN
A5	T1 TO DISCHARGE PIPE
A6	T2 TO MIN. PRESSURE CHECK VALVE
A7	INLET FILTER SWITCH TO AIR FILTER
A8	LOOP 12 INCHES OF EXTRA WIRE AND ZIP TIE

1.27 Electrical control assembly (Spiral Valve)



02250226-713 R06



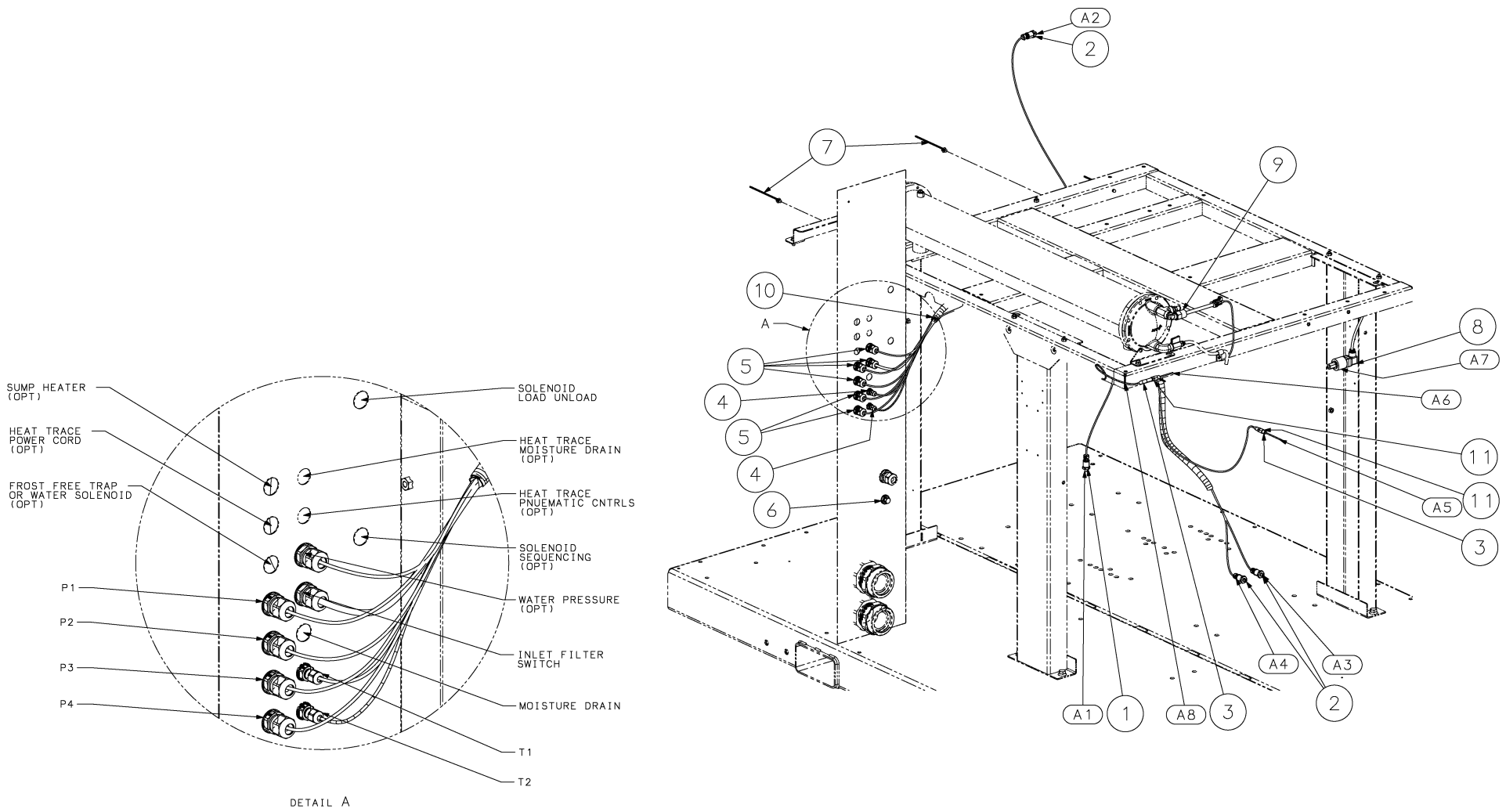
1.27 Electrical control assembly (Spiral Valve)

Key	Part number	Qty	Description	Notes
1	02250120-820	1	TUBING,HT SHRNK .375-.75" BLK FT	
2	02250155-174	1	TRANSDUCER,PRESS 0-250# RATIO METRIC	
3	02250172-873	3	KIT,XDCR PRESS0-250# 12FT CORD	
4	02250175-087	2	PROBE,THERMISTER 3000 OHM NTC 12'L	
5	02250215-692	2	GRIP,CORD CABLE GLAND M 12	
6	02250215-693	5	GRIP,CORD CABLE GLAND M 20	
7	02250221-086	9	WRAP,PUSH LOK TIE	
8	02250224-853	1	SWITCH,VAC 22" N4	
9	02250229-208	1	WRAP,.75ID PRESPLIT BRAIDED	
10	02250229-273	1	HARNESS,STEP MTR ARD 9 COND	
11	250028-635	2	FITTING, COMPRESS ADJ	

Drawing notes

A1	P1 TO SUMP TANK
A2	P2 TO MOISTURE SEPARATOR
A3	P3 TO FLUID FILTER OUT
A4	P4 TO FLUID FILTER IN
A5	T1 TO DISCHARGE PIPE
A6	T2 TO MINIMUM PRESSURE CHECK VALVE
A7	INLET FILTER SWITCH TO AIR FILTER
A8	POWER TO SPIRAL VALVE STEPPER MOTOR
A9	LOOP 12 INCHES OF EXTRA WIRE AND ZIP TIE
A10	HEAT SHRINK SHALL COVER THE CONNECTOR

1.28 Electrical control assembly, water-cooled (Wye-delta, VSD)



02250225-729 R03



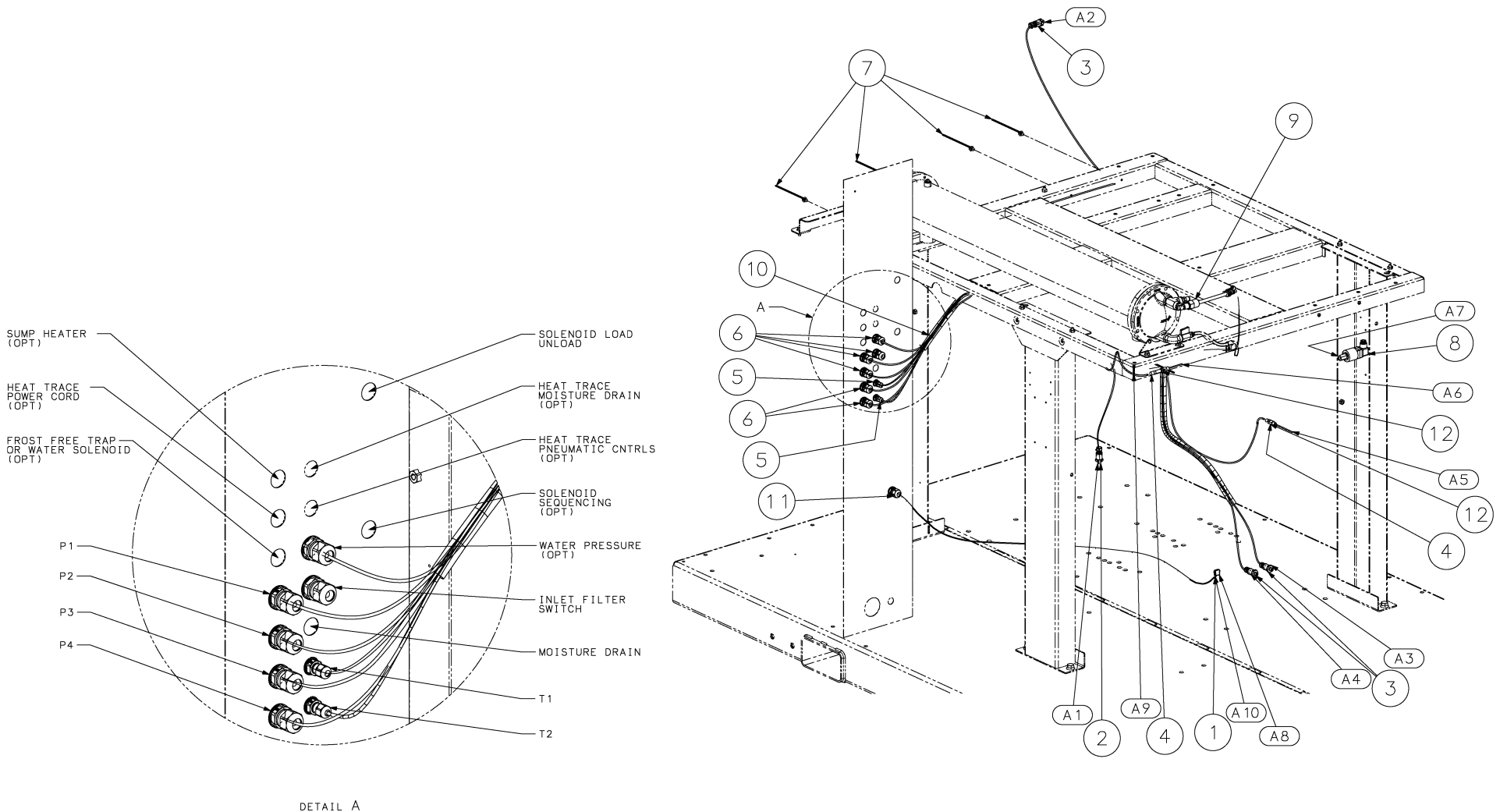
1.28 Electrical control assembly, water-cooled (Wye-delta, VSD)

Key	Part number	Qty	Description	Notes
1	02250155-174	1	TRANSDUCER,PRESS 0-250# RATIO METRIC	
2	02250172-873	3	KIT,XDCR PRESS0-250# 12FT CORD	
3	02250175-087	2	PROBE,THERMISTER 3000 OHM NTC 12'L	
4	02250215-692	2	GRIP,CORD CABLE GLAND M 12	
5	02250215-693	6	GRIP,CORD CABLE GLAND M 20	
6	02250216-341	1	PLUG,CLICK BLK 20MM	
7	02250221-086	11	WRAP,PUSH LOK TIE	
8	02250224-853	1	SWITCH,VAC 22" N4	
9	02250227-008	1	SWITCH,PRESS NO 10 PSI	
10	02250229-208	1	WRAP,.75ID PRESPLIT BRAIDED	
11	250028-635	2	FITTING, COMPRESS ADJ	

Drawing notes

A1	P1 TO SUMP TANK
A2	P2 TO MOISTURE SEP
A3	P3 TO FLUID FILTER OUT
A4	P4 TO FLUID FILTER IN
A5	T1 TO DISCHARGE PIPE
A6	T2 TO MIN. PRESSURE CHECK VALVE
A7	INLET FILTER SWITCH TO AIR FILTER
A8	LOOP 12 INCHES OF EXTRA WIRE AND ZIP TIE

1.29 Electrical control assembly, water-cooled (Spiral Valve)



02250227-011 R06



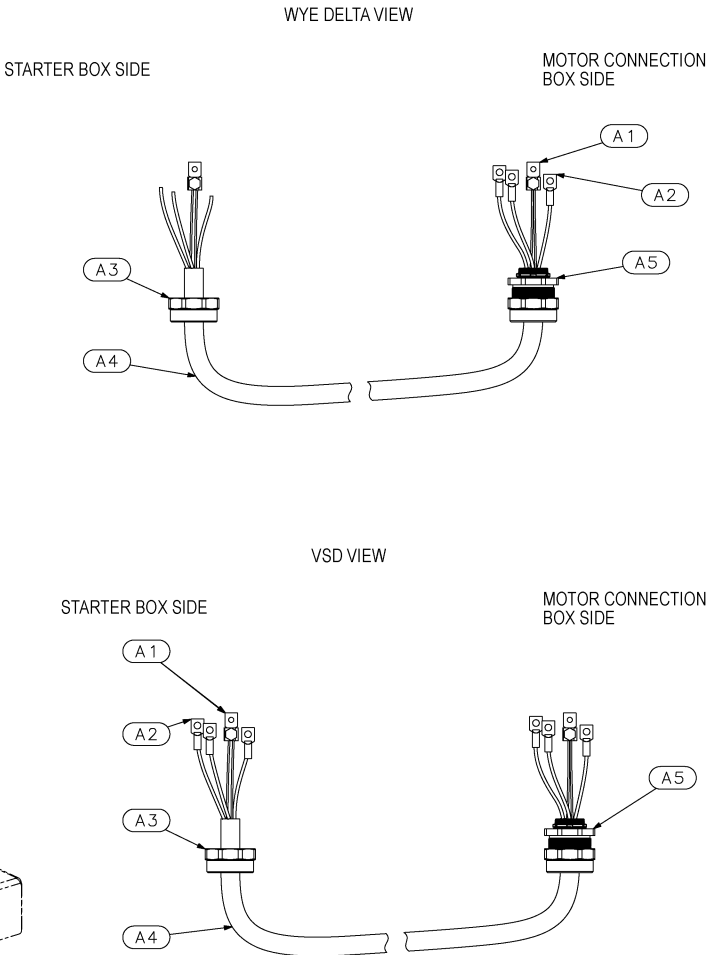
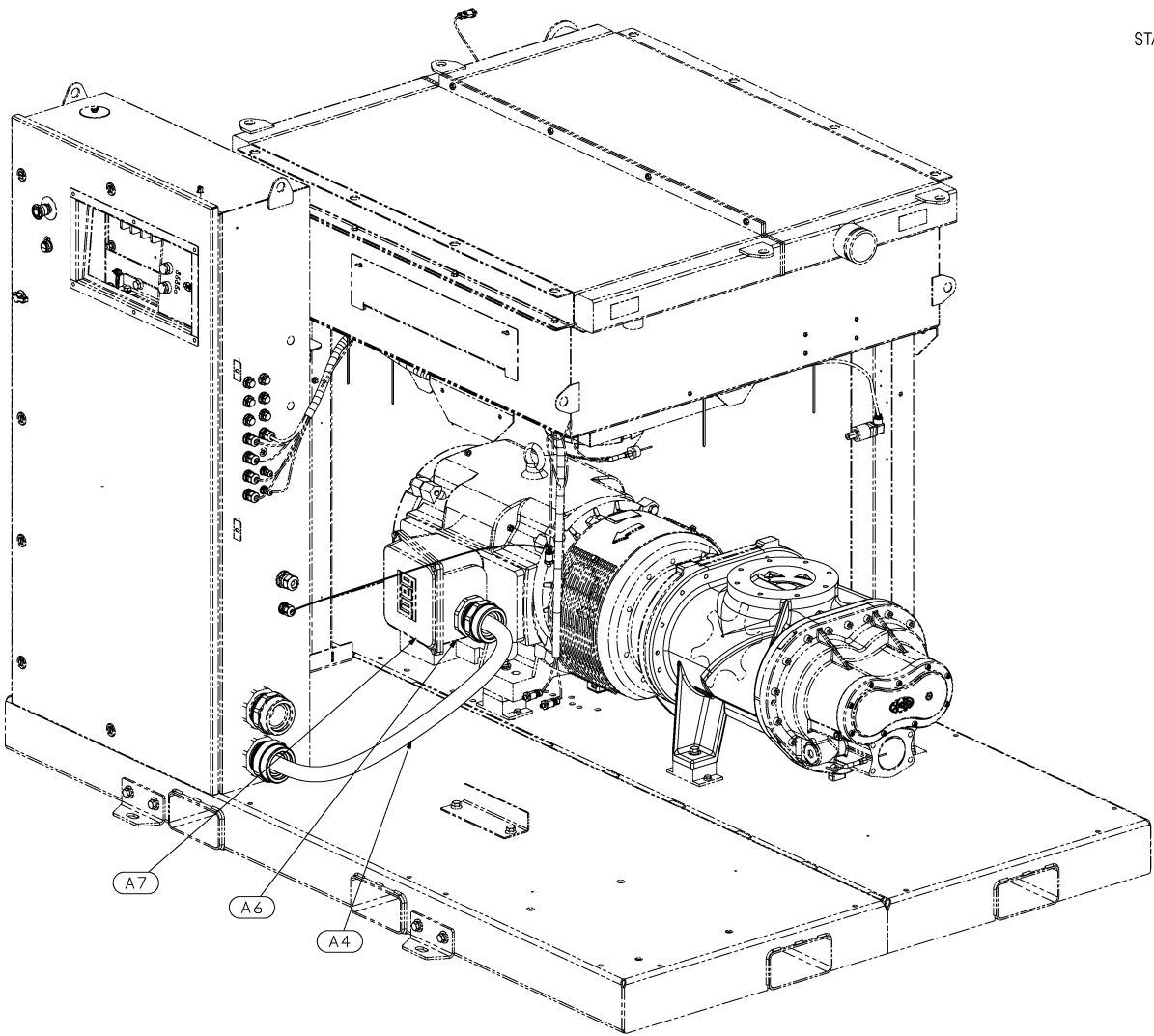
1.29 Electrical control assembly, water-cooled (Spiral Valve)

Key	Part number	Qty	Description	Notes
1	02250120-820	1	TUBING,HT SHRNK .375-.75" BLK FT	
2	02250155-174	1	TRANSDUCER,PRESS 0-250# RATIO METRIC	
3	02250172-873	3	KIT,XDCR PRESS0-250# 12FT CORD	
4	02250175-087	2	PROBE,THERMISTER 3000 OHM NTC 12'L	
5	02250215-692	2	GRIP,CORD CABLE GLAND M 12	
6	02250215-693	6	GRIP,CORD CABLE GLAND M 20	
7	02250221-086	11	WRAP,PUSH LOK TIE	
8	02250224-853	1	SWITCH,VAC 22" N4	
9	02250227-008	1	SWITCH,PRESS NO 10 PSI	
10	02250229-208	1	WRAP,.75ID PRESPLIT BRAIDED	
11	02250229-273	1	HARNESS,STEP MTR ARD 9 COND	
12	250028-635	2	FITTING, COMPRESS ADJ	

Drawing notes

A1	P1 TO SUMP TANK
A2	P2 TO MOISTURE SEPARATOR
A3	P3 TO FLUID FILTER OUT
A4	P4 TO FLUID FILTER IN
A5	T1 TO DISCHARGE PIPE
A6	T2 TO MINIMUM PRESSURE CHECK VALVE
A7	INLET FILTER SWITCH TO AIR FILTER
A8	POWER TO SPIRAL VALVE STEPPER MOTOR
A9	LOOP 12 INCHES OF EXTRA WIRE AND ZIP TIE
A10	HEAT SHRINK SHALL COVER THE CONNECTOR

1.30 Motor wiring



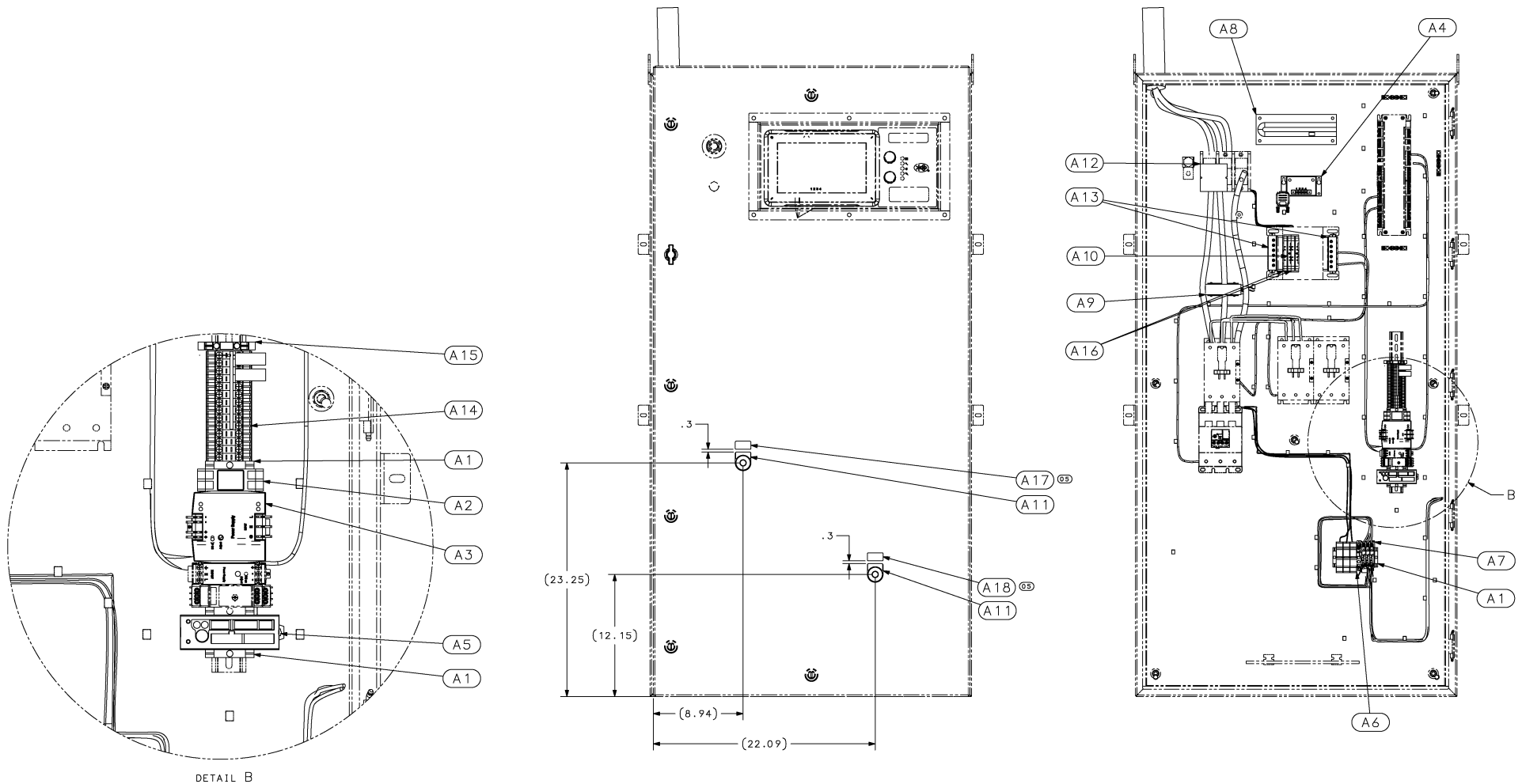
02250228-382 R01

1.30 Motor wiring

Drawing notes

A1	GROUND LUG - GREEN WIRE
A2	LUG - WHITE, RED, BLACK WIRE
A3	CORD GRIP
A4	MOTOR CABLE
A5	BUSHING
A6	WYE DELTA: TWO BUSHINGS TO MOTOR CONNECTION BOX; VSD: ONE BUSHING AND ONE PLUG TO MOTOR CONNECTION BOX
A7	ROTATE MOTOR CONNECTION BOX 90 DEGREES COUNTER CLOCKWISE
	THIS DOCUMENT IS TO BE USED AS A REFERENCE FOR THE LOCATION OF THE MOTOR WIRING OPTIONS. IF FOR SOME REASON THE MODULE CANNOT BE MOUNTED AS SHOWN, PLEASE CONSULT ENGINEERING.

1.31 Starter box



02250226-719 R06

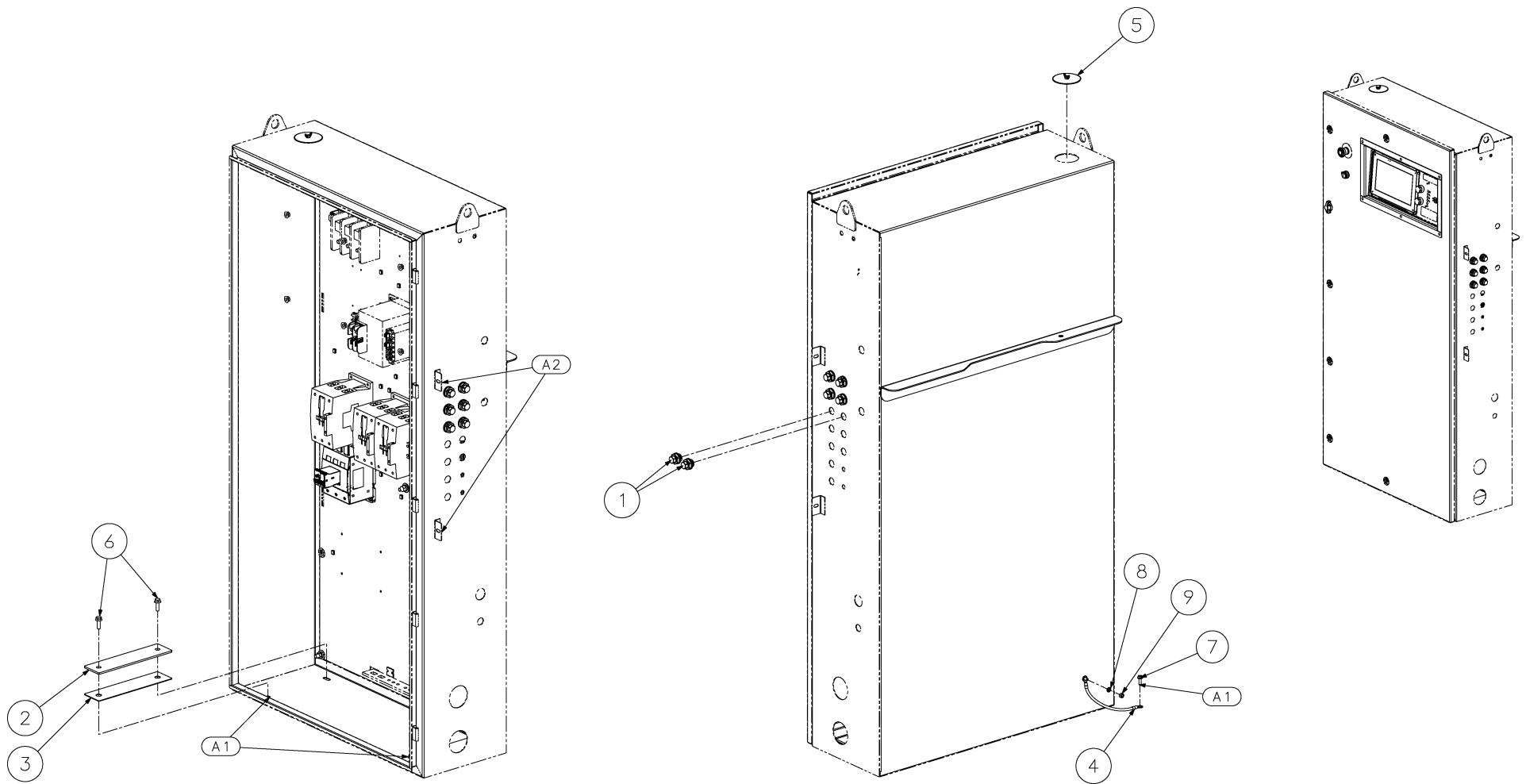


1.31 Starter box

Drawing notes

A1	DIN RAIL END CLIP
A2	RELAY POWER PRESENT
A3	POWER SUPPLY (SPIRAL VALVE)
A4	TRANSDUCER (POWER MONITORING)
A5	DRIVE (SPIRAL VALVE)
A6	FAN FUSES
A7	FAN OVERLOAD
A8	CONTROL BOX HEATER (COLD WEATHER STANDARD)
A9	CURRENT TRANSFORMER (POWER MONITORING)
A10	FUSES FOR WYE DELTA STARTERS
A11	MANUAL RESET BUTTON
A12	FINGER GUARD FOR DISTRIBUTION BLOCK
A13	FINGER GUARDS FOR TRANSFORMER
A14	TERMINAL BLOCK
A15	GROUND TERMINAL BLOCK
A16	FINGER GUARDS FOR TRANSFORMER FUSES
A17	MAIN DECAL FOR MANUAL RESET BUTTON
A18	FAN DECAL FOR MANUAL RESET BUTTON

1.32 Starter mounting (Wye-delta)



02250226-451 R04



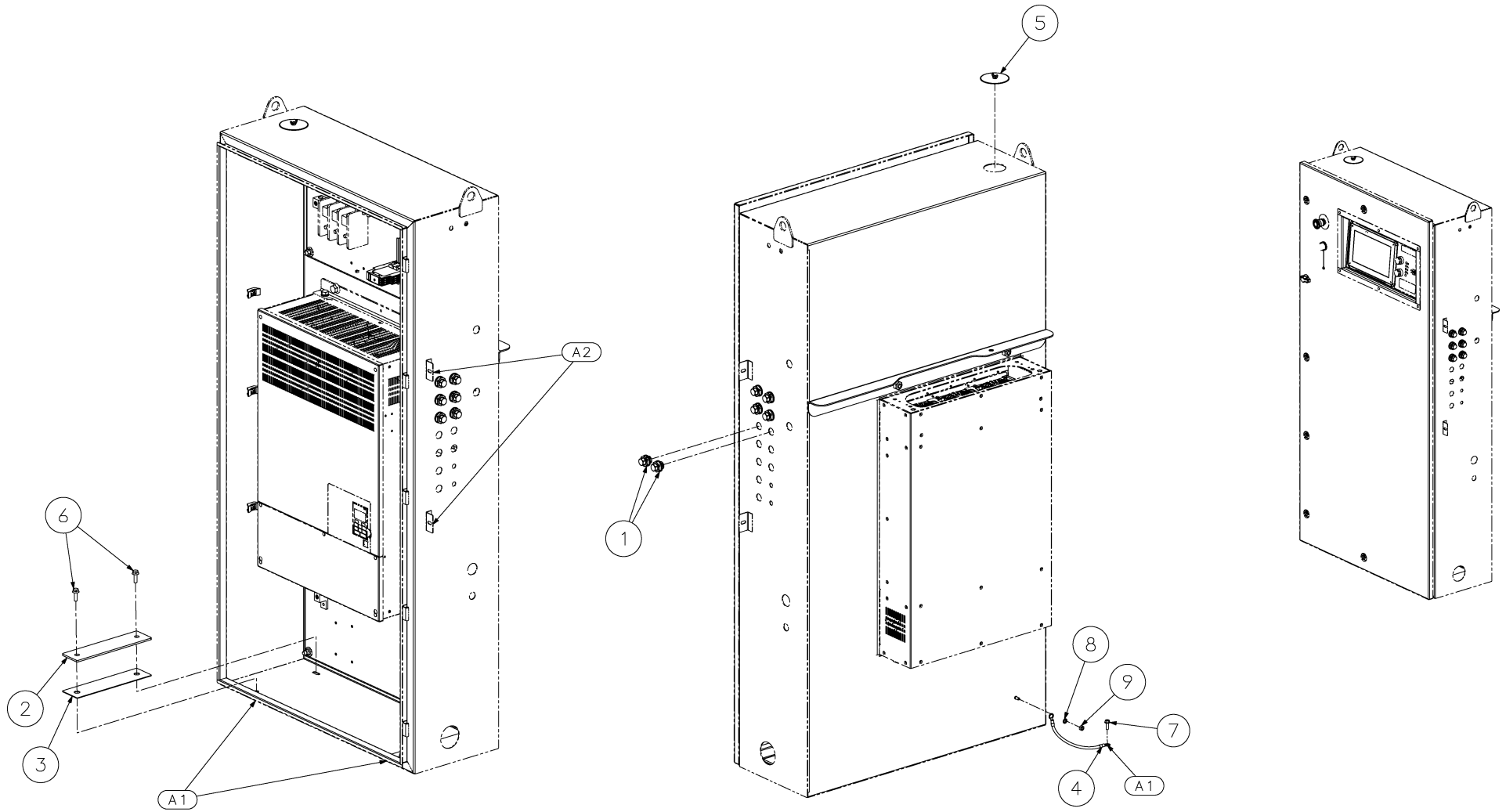
1.32 Starter mounting (Wye-delta)

Key	Part number	Qty	Description	Notes
1	02250216-341	6	PLUG,CLICK BLK 20MM	
2	02250225-320	2	PLATE,MOUNTING ELEC ENCLOSURE	
3	02250225-938	2	GASKET,ELECT ENCLOSURE	
4	02250226-008	1	CABLE,GROUND BOND 8"	
5	409918-007	1	PLUG,HOLE N4 2" COND	
6	829705-100	4	SCREW, HX SER WASH 5/16 X 1"	
7	834504-075	1	SCREW, SELF DRILL 1/4 X 3/4"	
8	838404-028	1	WASHER, LOCK EXT TOOTH 1/4"	
9	866504-226	1	NUT, HEX 1/4-20 PLT	

Drawing notes

A1	TO THE FRAME
A2	TO ENCLOSURE

1.33 Starter mounting (VSD)



02250226-385 R05



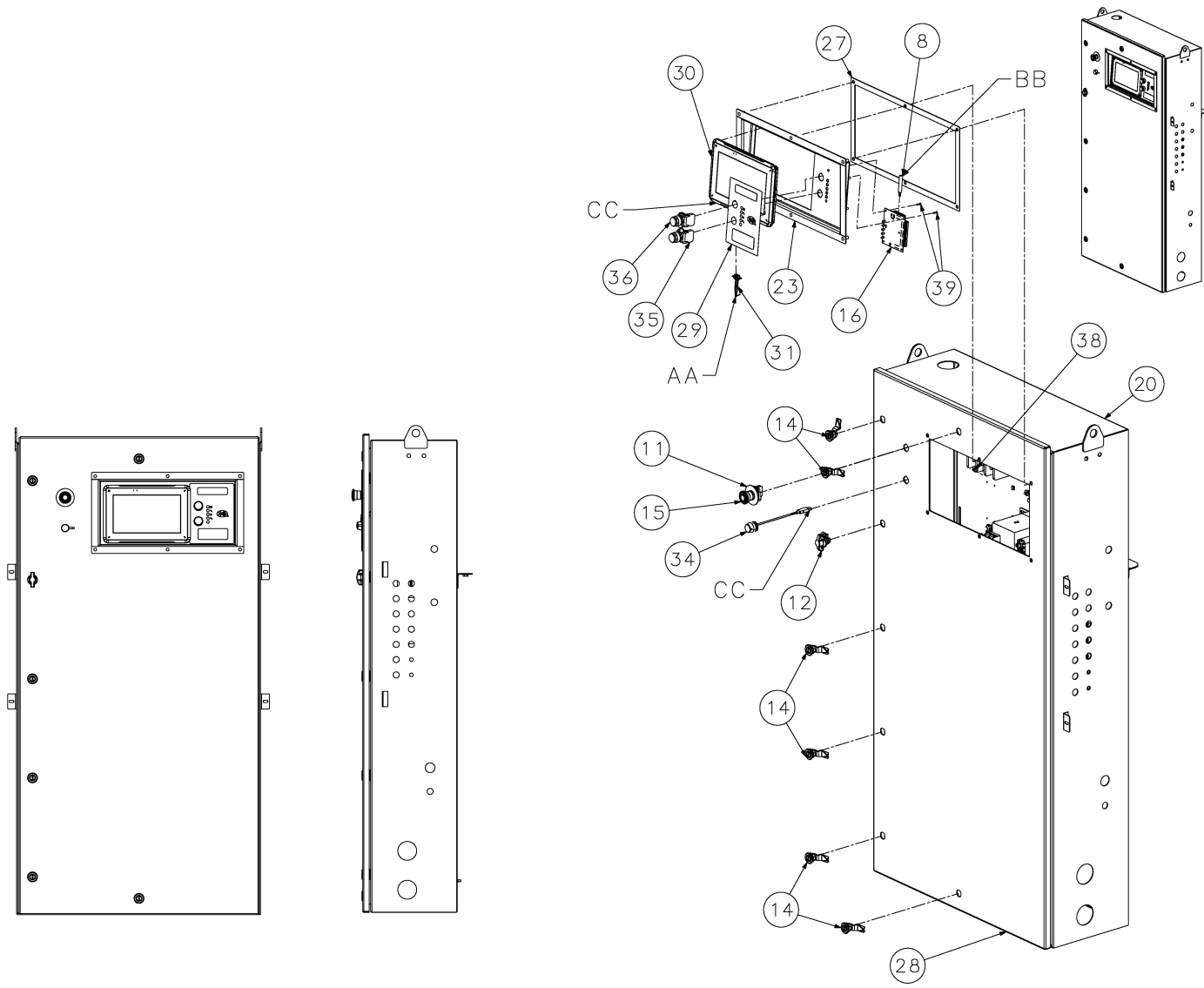
1.33 Starter mounting (VSD)

Key	Part number	Qty	Description	Notes
1	02250216-341	6	PLUG,CLICK BLK 20MM	
2	02250225-320	2	PLATE,MOUNTING ELEC ENCLOSURE	
3	02250225-938	2	GASKET,ELECT ENCLOSURE	
4	02250226-008	1	CABLE,GROUND BOND 8"	
5	409918-007	1	PLUG,HOLE N4 2" COND	
6	829705-100	4	SCREW, HX SER WASH 5/16 X 1"	
7	834504-075	1	SCREW, SELF DRILL 1/4 X 3/4"	
8	838404-028	1	WASHER, LOCK EXT TOOTH 1/4"	
9	866504-226	1	NUT, HEX 1/4-20 PLT	

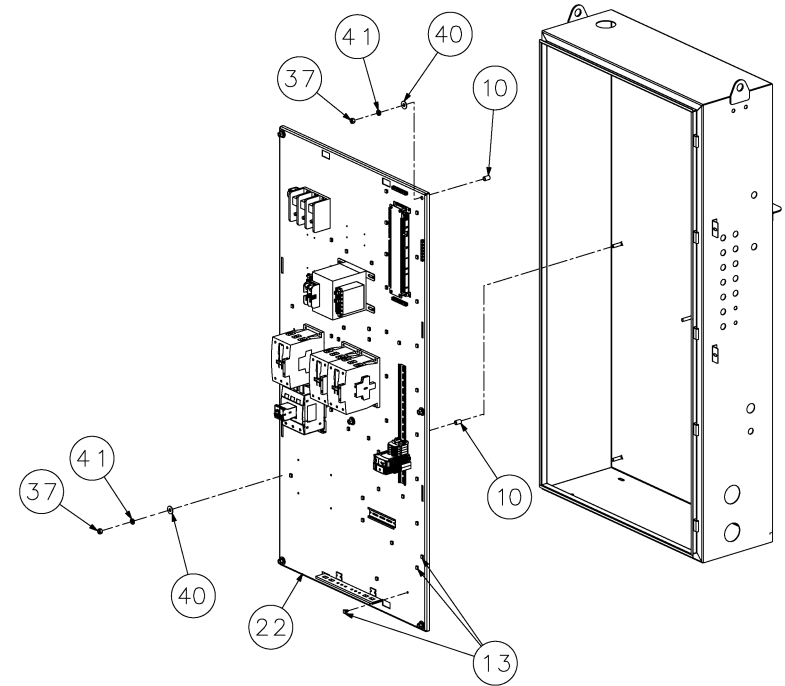
Drawing notes

A1	TO THE FRAME
A2	TO ENCLOSURE

1.34 Control starter (Wye-delta)



02250225-445 R05 (sh1)



1.34 Control starter (Wye-delta)

Key	Part number	Qty	Description	Notes
1	02250057-241	4	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	2	BLOCK,TERM END STOP C383 CH	
4	02250083-192	1	TRANSFORMER,CONTROL 500VA UNIV W/PRI FH	
5	02250090-813	1	LINK,JUMPER 8MM X 10PT	
6	02250101-721	3	BAR,GROUND 5 POST COPPER	
7	02250110-334	1	BAR,GND BUS COP 11.25 X 1.5 X .25	
8	02250127-816	1	CABLE,ELECT 20GA 3PAIR W/SHLD	
9	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
10	02250183-074	7	SPACER,TUBE 3/8 ID X 3/4	
11	02250201-054	1	DECAL,ESTOP YELLOW RING 60MM	
12	02250201-157	1	CATCH,QTR TURN LOCKABLE 32MM	
13	02250214-985	48	CLIP,CABLE TIE PUSH BARB	
14	02250218-420	6	CATCH,QTR TURN SLOT 32MM BLACK	
15	02250224-796	1	SWITCH ASSEMBLY,E-STOP	
16	02250224-798	1	CONTROL,BASIC USER INTERFACE	
17	02250225-289	1	CONTROL,INTERFACE BOARD	
18	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
19	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
20	02250225-464	1	ENCLOSURE,YD ELEC 62H X 32W X 12.5D	
21	02250225-895	1	MOUNT,DIN RAIL 5.125 IN.	
22	02250225-909	1	PANEL,SUB ENCLOSURE	
23	02250227-140	1	PANEL,BEZEL METAL 10"	
24	02250227-173	1	CONTACTOR,SZ G 3P 120VAC 150A	
25	02250227-176	1	CONTACTOR,120V REV SZ G 150A	
26	02250227-181	1	RELAY,OVERLOAD 35-175A	
27	02250227-303	1	GASKET,BEZEL GASKET 10"	

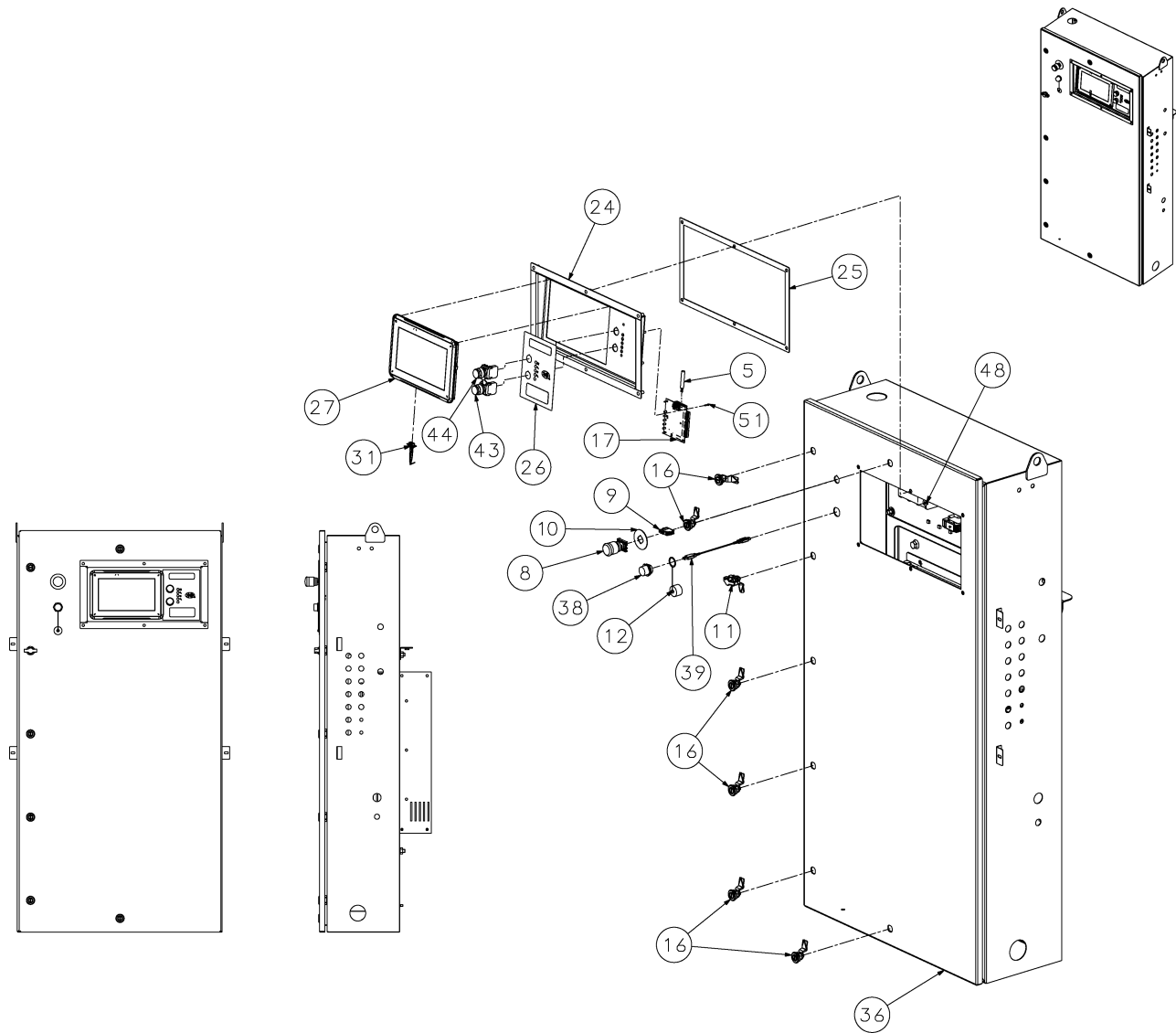
1.34 Control starter (Wye-delta)

Key	Part number	Qty	Description	Notes
28	02250227-307	1	DOOR,ENCLOSURE 10" DISPLAY	
29	02250227-326	1	DECAL,BEZEL OVERLAY 10"	
30	02250227-339	1	CONTROL,10" DISPLAY	
31	02250228-654	1	CABLE,9 PIN TOUCH DISPLY	
32	02250229-978	2	SUPPORT,BRACKET BUS BAR	
33	02250232-065	1	RAIL,DIN RAIL	
34	02250232-527	1	JACK,USB PORT	
35	250016-350	1	SWITCH, PUSHBUTTON RED NC N4X	
36	250016-351	1	SWITCH, PUSHBUTTON GRN NO N4X	
37	824206-337	7	NUT, HEX UNFIN 3/8-16	
38	825305-283	6	NUT, HEX FLGD PLTD 5/16-18	
39	835700-050	4	SCREW, TC-F RD 6-32 X 1/2"	
40	837206-071	7	WASHER, PL-B REG UNFIN 3/8"	
41	837506-094	7	WASHER, SPRLOCK REG 3/8"	
42	849215-028	1	LUG, SCRULUG KPA-28 1/0-4/0	

Drawing notes

1	DOOR MUST OPEN A MINIMUM OF 120 DEGREES.
2	ALL COMPONENTS TO BE UL, CSA, AND CE APPROVED.
3	MANUFACTURER: EATON
4	REMOVE/PROTECT ALL SHARP EDGES.
5	STARTER TO BE RATED NEMA-4 AFTER ASSEMBLY AT SULLAIR.
6	DECAL VENDOR PLACES ON INSIDE OF ENCLOSURE DOOR MUST CONTAIN THE FOLLOWING INFORMATION: SULLAIR STARTER ASSEMBLY P/N AND REVISION LEVEL.
7	DO NOT ROUTE WIRING THROUGH OPTIONAL COMPONENT LOCATIONS.
8	COMPONENTS MOUNTED TO SUBPANELS WITH THREAD FORMING SCREWS TO THE DISCRETION OF THE SUPPLIER.
9	PART NUMBER AND REVISION LEVEL VISIBLE ON OUTSIDE OF SHIPPING PACKAGING.
10	HANDLE AND 1/4 LATCHES MUST TURN CLOCKWISE TO OPEN.

1.35 Control starter (VSD—125 hp, 400V)



02250229-555 R06 (sh1)

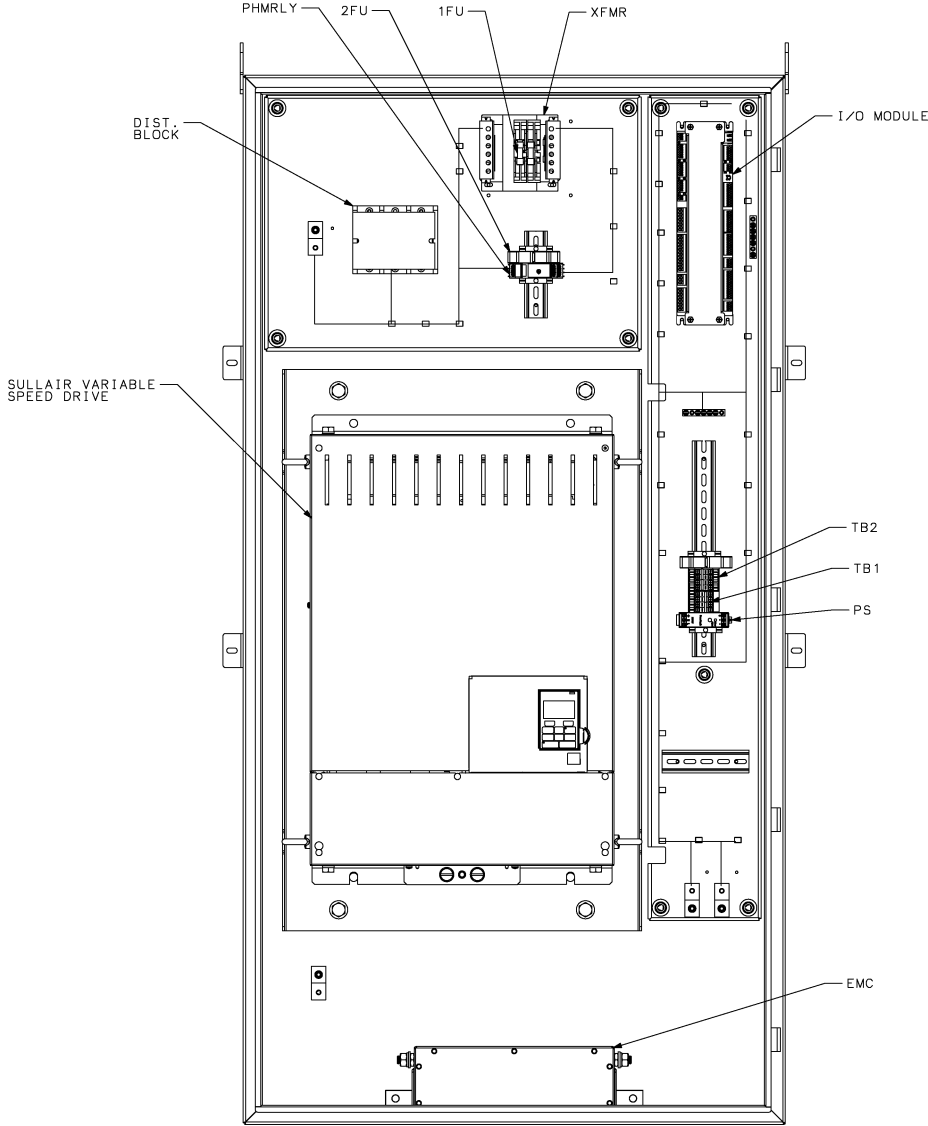
This exploded view diagram illustrates the assembly of a server rack. The components are numbered as follows:

- 1-53:** Various hardware components including screws, bolts, nuts, washers, and mounting brackets used for assembly.
- 23:** The main server chassis or unit.
- 28:** The top panel of the rack.
- 37:** The front door of the rack.
- 40:** The rear door of the rack.
- 46:** The side panel of the rack.
- 47:** The bottom panel of the rack.
- 52:** The rear panel of the rack.
- 53:** The front panel of the rack.



39

1.35 Control starter (VSD—125 hp, 400V)



02250229-555 R06 (sh3)

1.35 Control starter (VSD—125 hp, 400V)

Key	Part number	Qty	Description	Notes
1	02250057-241	8	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	2	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK,TERM END STOP C383 CH	
4	02250101-721	2	BAR,GROUNDING 5 POINT	
5	02250127-816	1	CABLE,ELECT 20GA 3PAIR W/SHLD	
6	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
7	02250183-074	9	SPACER,TUBE 3/8 ID X 3/4	
8	02250192-110	1	SWITCH,E-STOP TWIST TO RELEASE	
9	02250192-111	1	BLOCK, CONTACT CUTLER HAMMER M-22	
10	02250201-054	1	DECAL,ESTOP YELLOW RING 60MM	
11	02250201-157	1	CATCH,QTR TURN LOCKABLE 32MM	
12	02250207-732	1	CAP,ETHERNET PORT NEMA6	
13	02250214-781	2	HOLDER,FUSE 1 POLE	
14	02250214-985	30	CLIP,CABLE TIE PUSH BARB	
15	02250218-324	1	RAIL,DIN RAIL 12.75IN	
16	02250218-420	6	CATCH,QTR TURN SLOT 32MM BLACK	
17	02250224-798	1	CONTROL,BASIC USER INTERFACE	
18	02250225-289	1	CONTROL,INTERFACE BOARD	
19	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
20	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
21	02250225-892	1	PANEL,SUB ENCLOSURE	
22	02250225-895	2	RAIL,DIN RAIL 5.125 IN.	
23	02250226-045	1	DRIVE,VSD 460V 208A IP00	
24	02250227-140	1	PANEL,BEZEL METAL 10"	
25	02250227-303	1	GASKET,BEZEL GASKET 10"	
26	02250227-326	1	DECAL,BEZEL OVERLAY 10"	
27	02250227-339	1	CONTROL,10" DISPLAY	

1.35 Control starter (VSD—125 hp, 400V)

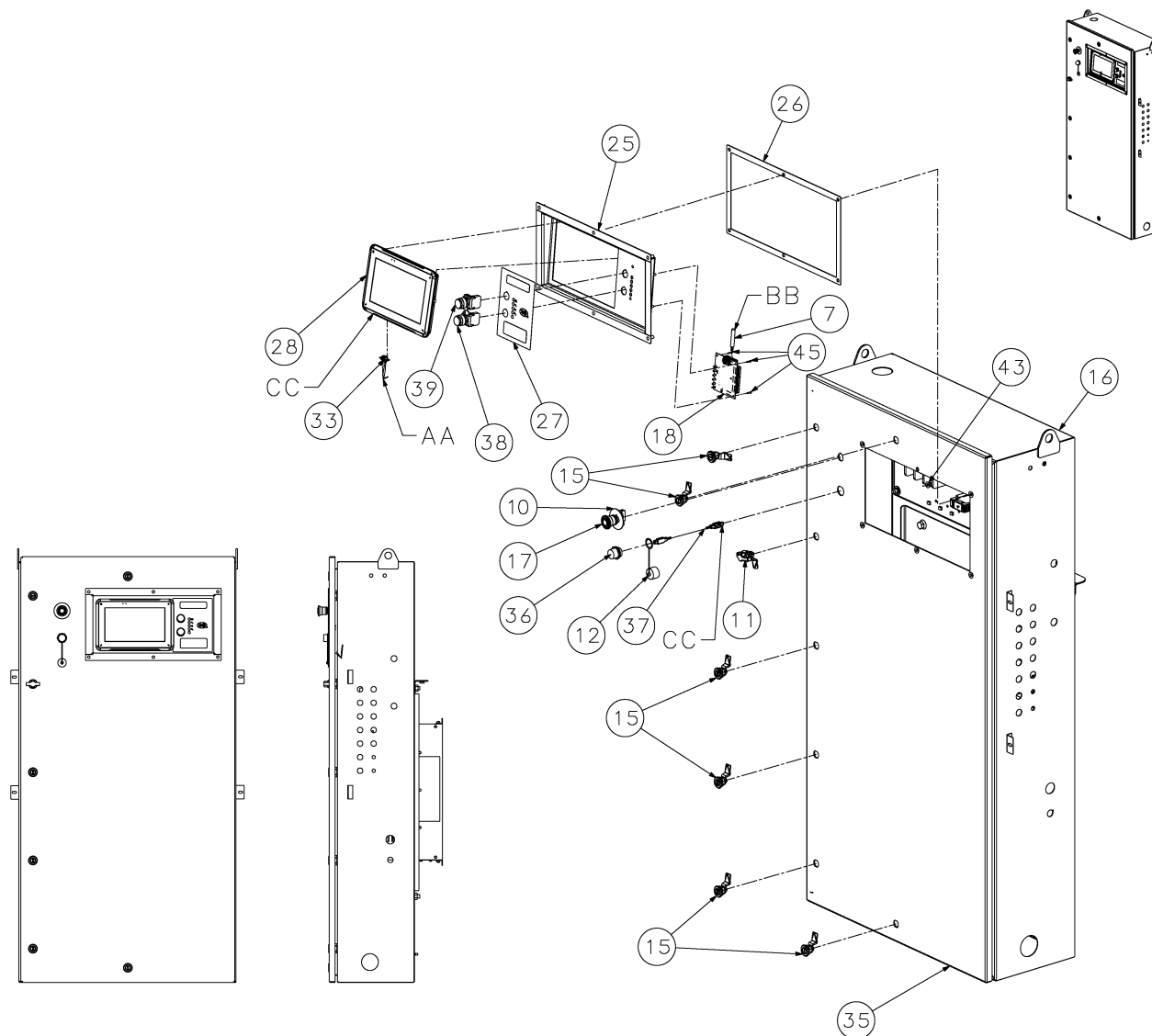
Key	Part number	Qty	Description	Notes
28	02250227-588	1	PANEL,SUB ENCLOSURE	
29	02250228-105	3	CLIP,TIE HOLDER	
30	02250228-378	4	LUG,GND LUG #6-300MCM	
31	02250228-654	1	CABLE,9 PIN TOUCH DISPLY	
32	02250228-786	1	PLATE,ADAPT YAI DRV FR 11 TO 12	
33	02250230-534	1	COVER,FINGER DIST BLOCK	
34	02250230-541	2	COVER,FINGER PROT FUSE	
35	02250230-587	1	FILTER ASSEMBLY,EMC 3P 410A	
36	02250230-857	1	DOOR,ENCLOSURE 10" DISPLAY	
37	02250231-204	1	ENCLOSURE,VSD ELEC 62HX32WX12.5D	
38	02250232-525	1	RECEIVER,USB	
39	02250232-526	1	CABLE,USB	
40	02250232-809	1	TRANSFORMER,350 VA 400V CE	
41	02250241-382	4	LINK,JUMPER 8MM 2 POS	
42	02250241-383	1	MARKER,TAG, BLANK 8MM	
43	250016-350	1	SWITCH, PUSHBUTTON RED NC N4X	
44	250016-351	1	SWITCH, PUSHBUTTON GRN NO N4X	
45	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
46	250026-647	2	FUSE, KLDR 3.0 600V TD	
47	824206-337	9	NUT, HEX UNFIN 3/8-16	
48	825305-283	6	NUT, HEX FLGD PLTD 5/16-18	
49	825306-347	4	NUT, HEX FLGD PLTD 3/8-16	
50	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
51	835700-050	4	SCREW, TC-F RD 6-32 X 1/2"	
52	837206-071	9	WASHER, PL-B REG UNFIN 3/8"	
53	837506-094	9	WASHER, SPRLOCK REG 3/8"	

Drawing notes

1.35 Control starter (VSD—125 hp, 400V)

Key	Part number	Qty	Description	Notes
1			DOOR MUST OPEN A MINIMUM OF 120 DEGREES.	
2			ALL COMPONENTS TO BE CE APPROVED.	
3			MANUFACTURER: YASKAWA	
4			REMOVE/PROTECT ALL SHARP EDGES.	
5			STARTER TO BE RATED NEMA-12 AFTER ASSEMBLY AT SULLAIR.	
6			DECAL VENDOR PLACES ON INSIDE OF ENCLOSURE DOOR MUST CONTAIN THE FOLLOWING INFORMATION: SULLAIR STARTER ASSEMBLY P/N AND REVISION LEVEL AND YASKAWA SOFTWARE REVISION LEVEL.	
7			DO NOT ROUTE WIRING THROUGH OPTIONAL COMPONENT LOCATIONS.	
8			COMPONENTS MOUNTED TO SUBPANELS WITH SELF-TAPPING SCREWS TO THE DISCRETION OF THE SUPPLIER.	
9			PART NUMBER AND REVISION LEVEL VISIBLE ON OUTSIDE OF SHIPPING PACKAGING.	
10			HANDLE AND 1/4 LATCHES MUST TURN CLOCKWISE TO OPEN.	

1.36 Control starter (VSD—125 hp, 460V)



02250226-547 R07 (sh1)

This exploded view diagram illustrates the assembly of a server rack. The components are numbered as follows:

- 16**: Main rack frame.
- 9**: Top rail.
- 47**, **46**, **42**: Screws for the top rail.
- 41**, **40**: Components of the top rail assembly.
- 4**, **32**, **8**, **3**: Components of the front door assembly.
- 20**, **23**, **19**: Components of the front door assembly.
- 31**: Component of the front door assembly.
- 6**: Component of the front door assembly.
- 3**: Component of the front door assembly.
- 2**, **1**, **21**, **5**: Components of the front door assembly.
- 14**: Component of the front door assembly.
- 32**, **13**, **32**: Components of the front door assembly.
- 23**, **22**: Components of the front door assembly.
- 30**: Component of the front door assembly.
- 34**: Component of the front door assembly.
- 44**: Component of the front door assembly.
- 24**: Component of the front door assembly.
- 1**: Component of the front door assembly.
- 2**: Component of the front door assembly.
- 3**: Component of the front door assembly.
- 4**: Component of the front door assembly.
- 5**: Component of the front door assembly.
- 6**: Component of the front door assembly.
- 7**: Component of the front door assembly.
- 8**: Component of the front door assembly.
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- 11**: Component of the front door assembly.
- 12**: Component of the front door assembly.
- 13**: Component of the front door assembly.
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- 15**: Component of the front door assembly.
- 16**: Component of the front door assembly.
- 17**: Component of the front door assembly.
- 18**: Component of the front door assembly.
- 19**: Component of the front door assembly.
- 20**: Component of the front door assembly.
- 21**: Component of the front door assembly.
- 22**: Component of the front door assembly.
- 23**: Component of the front door assembly.
- 24**: Component of the front door assembly.
- 25**: Component of the front door assembly.
- 26**: Component of the front door assembly.
- 27**: Component of the front door assembly.
- 28**: Component of the front door assembly.
- 29**: Component of the front door assembly.
- 30**: Component of the front door assembly.
- 31**: Component of the front door assembly.
- 32**: Component of the front door assembly.
- 33**: Component of the front door assembly.
- 34**: Component of the front door assembly.
- 35**: Component of the front door assembly.
- 36**: Component of the front door assembly.
- 37**: Component of the front door assembly.
- 38**: Component of the front door assembly.
- 39**: Component of the front door assembly.
- 40**: Component of the front door assembly.
- 41**: Component of the front door assembly.
- 42**: Component of the front door assembly.
- 43**: Component of the front door assembly.
- 44**: Component of the front door assembly.
- 45**: Component of the front door assembly.
- 46**: Component of the front door assembly.
- 47**: Component of the front door assembly.



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1.36 Control starter (VSD—125 hp, 460V)

Key	Part number	Qty	Description	Notes
1	02250057-241	4	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK,TERM END STOP C383 CH	
4	02250083-190	1	TRANSFORMER,CONTROL 350VA UNIV W/PRI FH	
5	02250090-813	1	LINK,JUMPER 8MM X 10PT	
6	02250101-721	2	BAR,GROUND 5 POST COPPER	
7	02250127-816	1	CABLE,ELECT 20GA 3PAIR W/SHLD	
8	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
9	02250183-074	13	SPACER,TUBE 3/8 ID X 3/4	
10	02250201-054	1	DECAL,ESTOP YELLOW RING 60MM	
11	02250201-157	1	CATCH,QTR TURN LOCKABLE 32MM	
12	02250207-732	1	CAP,ETHERNET PORT NEMA6	
13	02250214-985	34	CLIP,CABLE TIE PUSH BARB	
14	02250218-324	1	RAIL,DIN RAIL 12.75IN	
15	02250218-420	6	CATCH,QTR TURN SLOT 32MM BLACK	
16	02250222-800	1	ENCLOSURE,VSD ELEC 62HX32WX12.5D	
17	02250224-796	1	SWITCH ASSEMBLY,E-STOP	
18	02250224-798	1	CONTROL,BASIC USER INTERFACE	
19	02250225-289	1	CONTROL,INTERFACE BOARD	
20	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
21	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
22	02250225-892	1	PANEL,SUB ENCLOSURE	
23	02250225-895	2	MOUNT,DIN RAIL 5.125 IN.	
24	02250226-044	1	DRIVE,VSD, 460V 165A IP00	
25	02250227-140	1	PANEL,BEZEL METAL 10"	
26	02250227-303	1	GASKET,BEZEL GASKET 10"	
27	02250227-326	1	DECAL,BEZEL OVERLAY 10"	

1.36 Control starter (VSD—125 hp, 460V)

Key	Part number	Qty	Description	Notes
28	02250227-339	1	CONTROL,10" DISPLAY	
29	02250227-588	1	PANEL,SUB ENCLOSURE	
30	02250227-668	1	PANEL,SUB ENCLOSURE	
31	02250228-105	3	CLIP,TIE HOLDER	
32	02250228-378	3	LUG,GND LUG #6-300MCM	
33	02250228-654	1	CABLE,9 PIN TOUCH DISPLY	
34	02250228-785	1	PLATE,ADAPT YAI DRV FR 10 TO 12	
35	02250230-857	1	DOOR,ENCLOSURE 10" DISPLAY	
36	02250232-525	1	RECEIVER,USB	
37	02250232-526	1	CABLE,USB	
38	250016-350	1	SWITCH, PUSHBUTTON RED NC N4X	
39	250016-351	1	SWITCH, PUSHBUTTON GRN NO N4X	
40	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
41	250026-644	2	FUSE, KLDR 2.0 600V TD	
42	824206-337	13	NUT, HEX UNFIN 3/8-16	
43	825305-283	6	NUT, HEX FLGD PLTD 5/16-18	
44	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
45	835700-050	4	SCREW, TC-F RD 6-32 X 1/2"	
46	837206-071	13	WASHER, PL-B REG UNFIN 3/8"	
47	837506-094	13	WASHER, SPRLOCK REG 3/8"	

Drawing notes

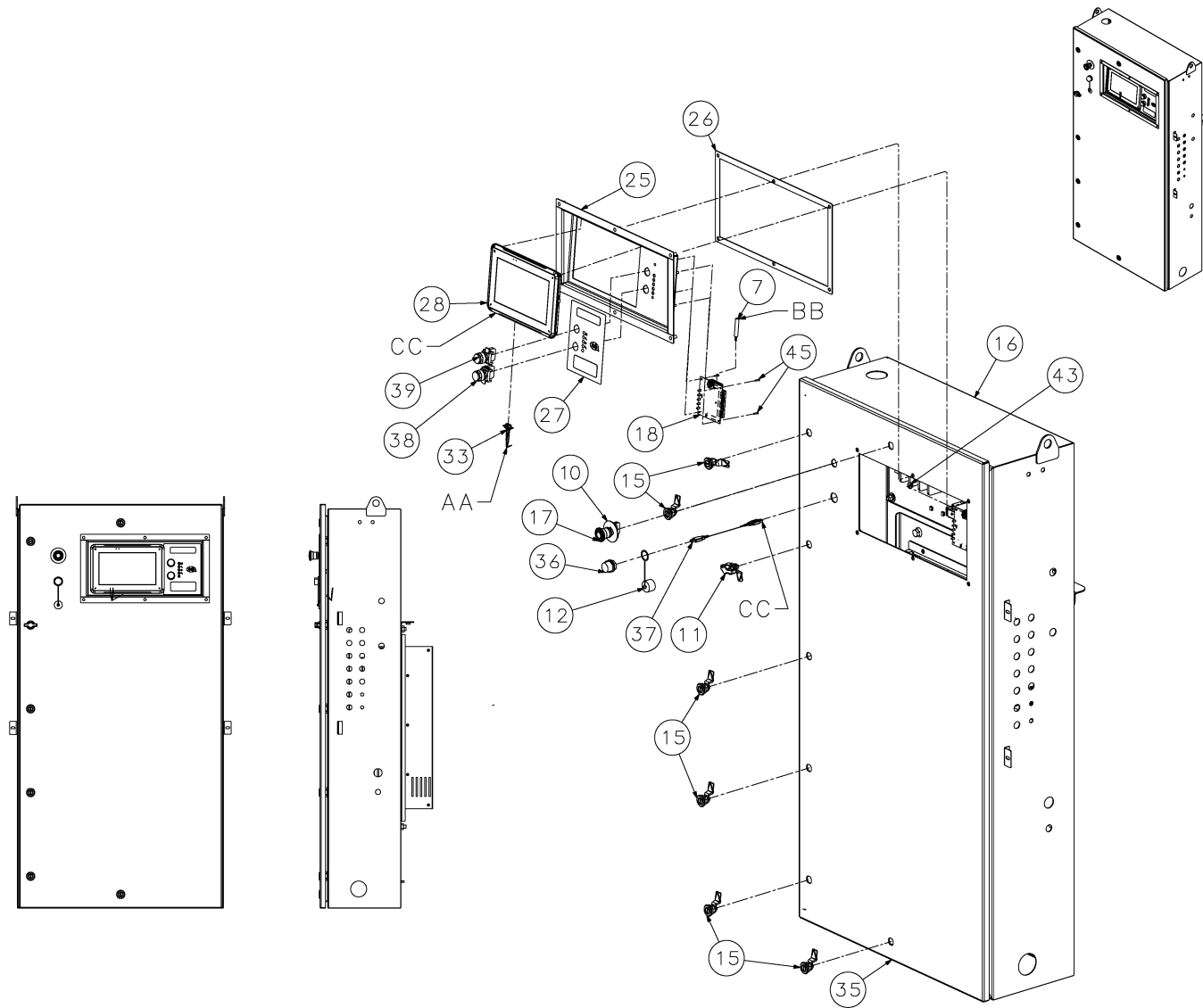
1	DOOR MUST OPEN A MINIMUM OF 120 DEGREES.
2	ALL COMPONENTS TO BE UL AND CE APPROVED.
3	MANUFACTURER: YASKAWA
4	REMOVE/PROTECT ALL SHARP EDGES.
5	STARTER TO BE RATED NEMA-12 AFTER ASSEMBLY AT SULLAIR.

1.36 Control starter (VSD—125 hp, 460V)

Key	Part number	Qty	Description	Notes
6	DECAL VENDOR PLACES ON INSIDE OF ENCLOSURE DOOR MUST CONTAIN THE FOLLOWING INFORMATION: SULLAIR STARTER ASSEMBLY P/N AND REVISION LEVEL AND YASKAWA SOFTWARE REVISION LEVEL.			
7	DO NOT ROUTE WIRING THROUGH OPTIONAL COMPONENT LOCATIONS.			
8	COMPONENTS MOUNTED TO SUBPANELS WITH SELF-TAPPING SCREWS TO THE DISCRETION OF THE SUPPLIER.			
9	PART NUMBER AND REVISION LEVEL VISIBLE ON OUTSIDE OF SHIPPING PACKAGING.			
10	HANDLE AND 1/4 LATCHES MUST TURN CLOCKWISE TO OPEN.			

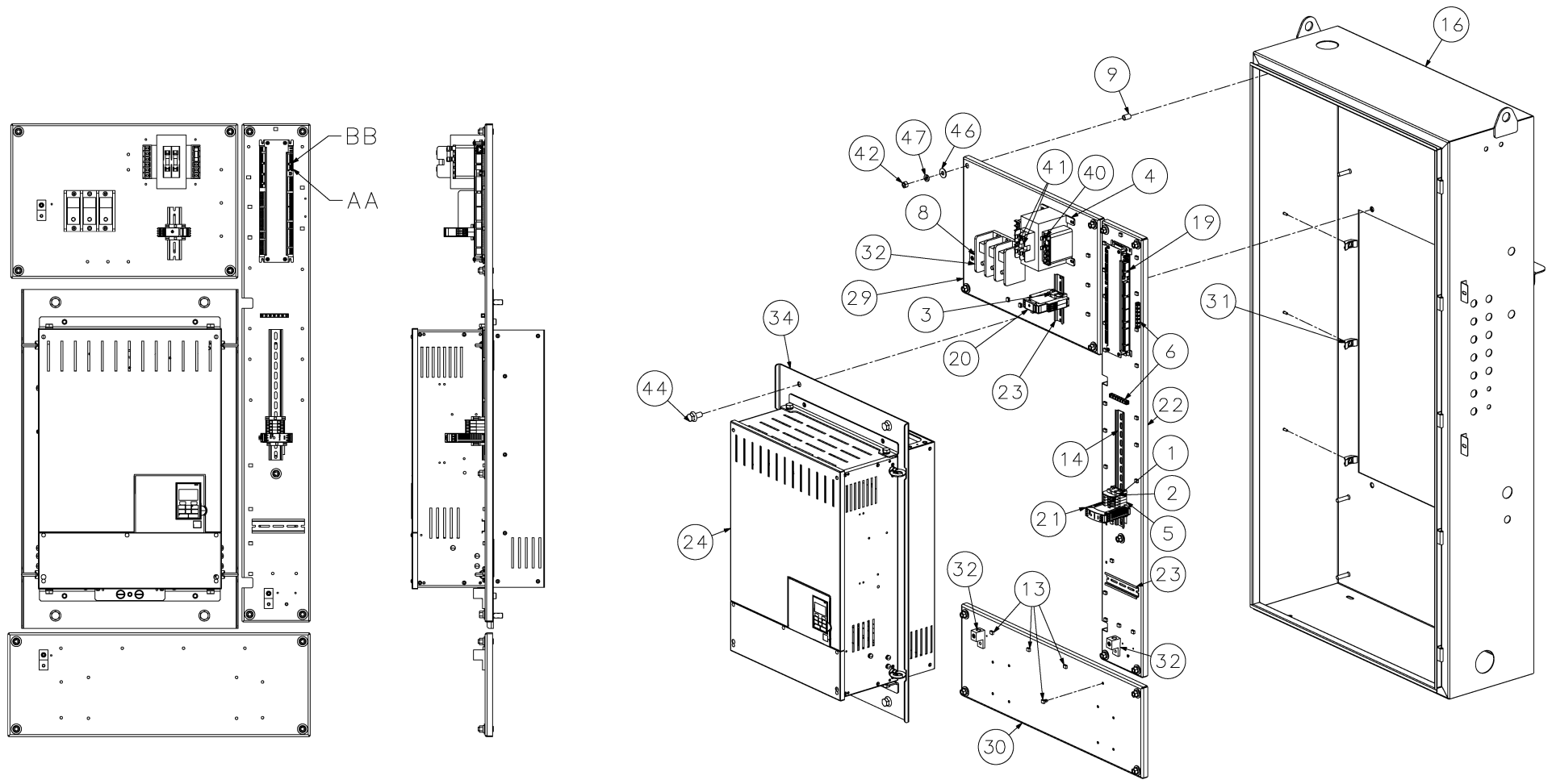
Notes:

1.37 Control starter (VSD—125 hp, 575V)



02250226-543 R06 (sh1)

1.37 Control starter (VSD—125 hp, 575V)



02250226-543 R06 (sh2)

1.37 Control starter (VSD—125 hp, 575V)

Key	Part number	Qty	Description	Notes
1	02250057-241	4	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK,TERM END STOP C383 CH	
4	02250083-190	1	TRANSFORMER,CONTROL 350VA UNIV W/PRI FH	
5	02250090-813	1	LINK,JUMPER 8MM X 10PT	
6	02250101-721	2	BAR,GROUND 5 POST COPPER	
7	02250127-816	1	CABLE,ELECT 20GA 3PAIR W/SHLD	
8	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
9	02250183-074	13	SPACER,TUBE 3/8 ID X 3/4	
10	02250201-054	1	DECAL,ESTOP YELLOW RING 60MM	
11	02250201-157	1	CATCH,QTR TURN LOCKABLE 32MM	
12	02250207-732	1	CAP,ETHERNET PORT NEMA6	
13	02250214-985	34	CLIP,CABLE TIE PUSH BARB	
14	02250218-324	1	RAIL,DIN RAIL 12.75IN	
15	02250218-420	6	CATCH,QTR TURN SLOT 32MM BLACK	
16	02250222-800	1	ENCLOSURE,VSD ELEC 62HX32WX12.5D	
17	02250224-796	1	SWITCH ASSEMBLY,E-STOP	
18	02250224-798	1	CONTROL,BASIC USER INTERFACE	
19	02250225-289	1	CONTROL,INTERFACE BOARD	
20	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
21	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
22	02250225-892	1	PANEL,SUB ENCLOSURE	
23	02250225-895	2	MOUNT,DIN RAIL 5.125 IN.	
24	02250226-046	1	DRIVE,VSD 575V 145A IP00	
25	02250227-140	1	PANEL,BEZEL METAL 10"	
26	02250227-303	1	GASKET,BEZEL GASKET 10"	
27	02250227-326	1	DECAL,BEZEL OVERLAY 10"	

1.37 Control starter (VSD—125 hp, 575V)

Key	Part number	Qty	Description	Notes
28	02250227-339	1	CONTROL,10" DISPLAY	
29	02250227-588	1	PANEL,SUB ENCLOSURE	
30	02250227-668	1	PANEL,SUB ENCLOSURE	
31	02250228-105	3	CLIP,TIE HOLDER	
32	02250228-378	3	LUG,GND LUG #6-300MCM	
33	02250228-654	1	CABLE,9 PIN TOUCH DISPLY	
34	02250228-786	1	PLATE,ADAPT YAI DRV FR 11 TO 12	
35	02250230-857	1	DOOR,ENCLOSURE 10" DISPLAY	
36	02250232-525	1	RECEIVER,USB	
37	02250232-526	1	CABLE,USB	
38	250016-350	1	SWITCH, PUSHBUTTON RED NC N4X	
39	250016-351	1	SWITCH, PUSHBUTTON GRN NO N4X	
40	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
41	250026-644	2	FUSE, KLDR 2.0 600V TD	
42	824206-337	13	NUT, HEX UNFIN 3/8-16	
43	825305-283	6	NUT, HEX FLGD PLTD 5/16-18	
44	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
45	835700-050	4	SCREW, TC-F RD 6-32 X 1/2"	
46	837206-071	13	WASHER, PL-B REG UNFIN 3/8"	
47	837506-094	13	WASHER, SPRLOCK REG 3/8"	

Drawing notes

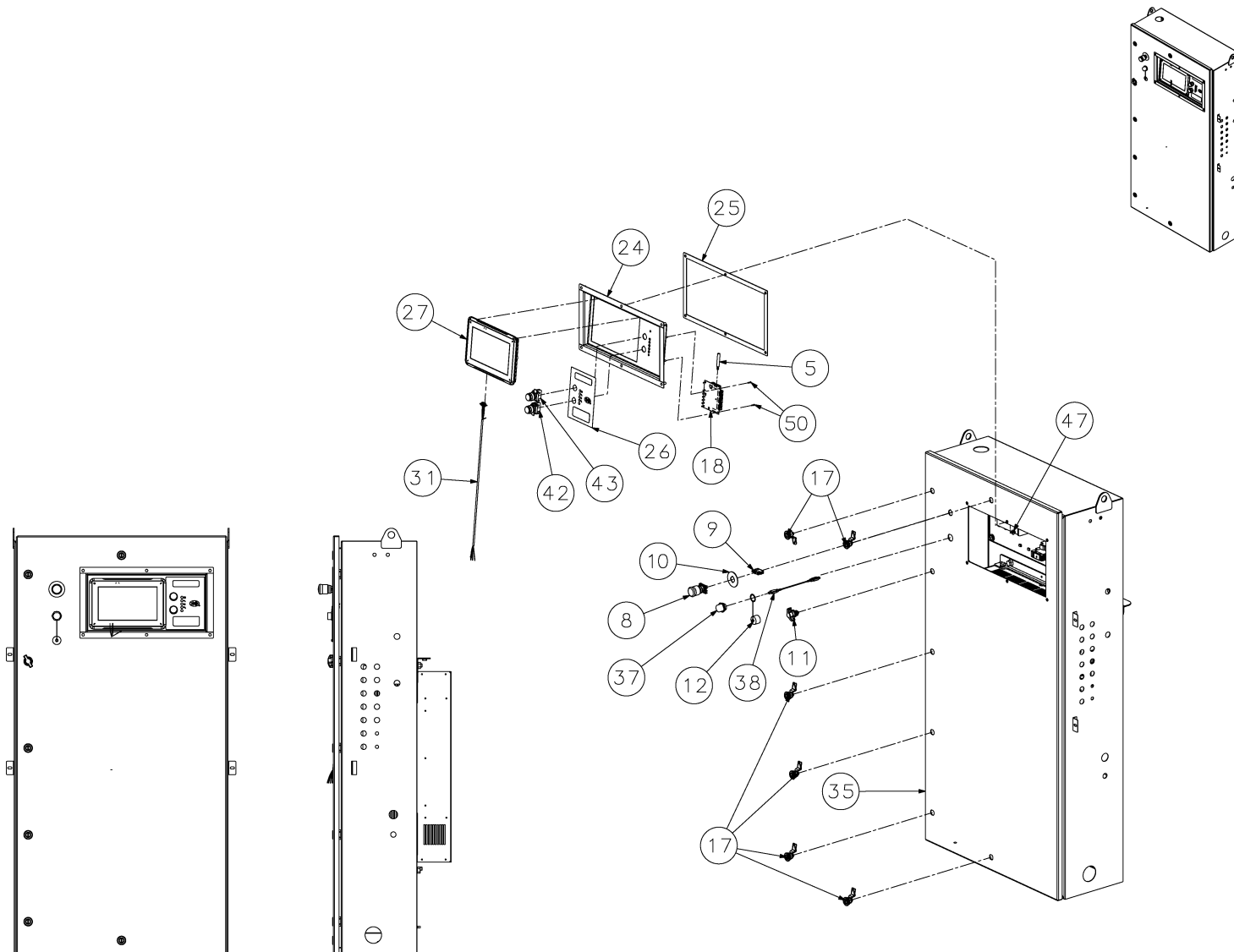
1	DOOR MUST OPEN A MINIMUM OF 120 DEGREES.
2	ALL COMPONENTS TO BE UL AND CE APPROVED.
3	MANUFACTURER: YASKAWA
4	REMOVE/PROTECT ALL SHARP EDGES.
5	STARTER TO BE RATED NEMA-12 AFTER ASSEMBLY AT SULLAIR.

1.37 Control starter (VSD—125 hp, 575V)

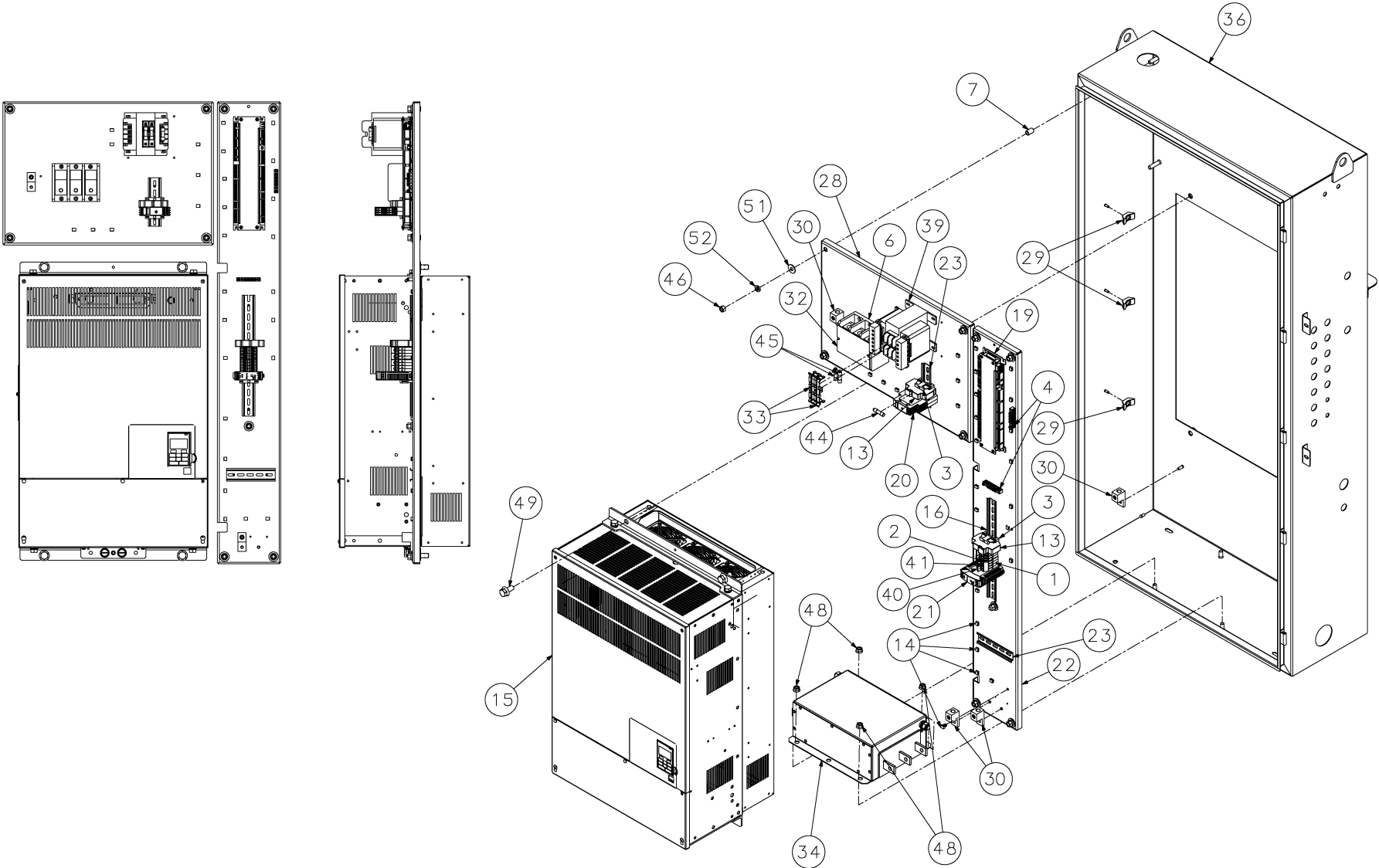
Key	Part number	Qty	Description	Notes
6	DECAL VENDOR PLACES ON INSIDE OF ENCLOSURE DOOR MUST CONTAIN THE FOLLOWING INFORMATION: SULLAIR STARTER ASSEMBLY P/N AND REVISION LEVEL AND YASKAWA SOFTWARE REVISION LEVEL.			
7	DO NOT ROUTE WIRING THROUGH OPTIONAL COMPONENT LOCATIONS.			
8	COMPONENTS MOUNTED TO SUBPANELS WITH SELF-TAPPING SCREWS TO THE DISCRETION OF THE SUPPLIER.			
9	PART NUMBER AND REVISION LEVEL VISIBLE ON OUTSIDE OF SHIPPING PACKAGING.			
10	HANDLE AND 1/4 LATCHES MUST TURN CLOCKWISE TO OPEN.			

Notes:

02250229-620 R06 (sh1)

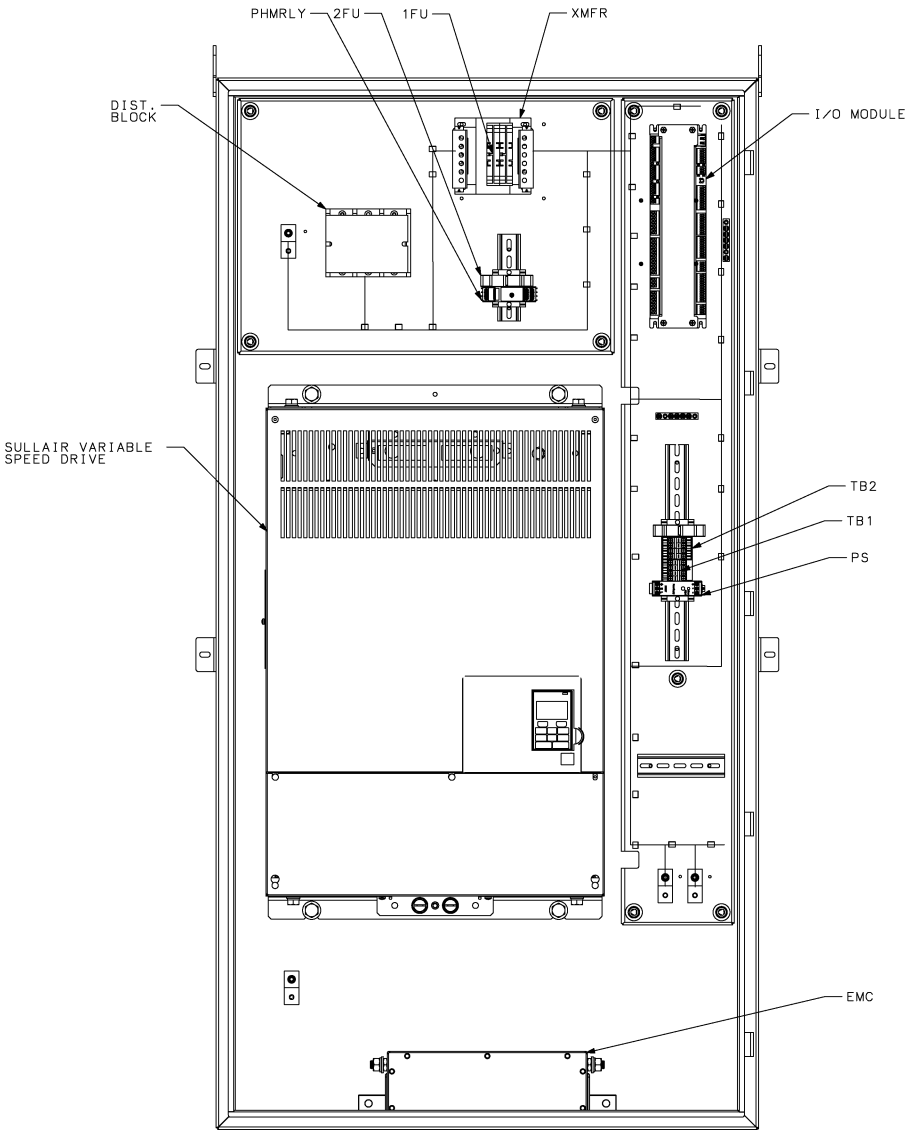


1.38 Control starter (VSD—150 hp, 400V)



02250229-620 R06 (sh2)

1.38 Control starter (VSD—150 hp, 400V)



02250229-620 R06 (sh3)

1.38 Control starter (VSD—150 hp, 400V)

Key	Part number	Qty	Description	Notes
1	02250057-241	8	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	2	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK,TERM END STOP C383 CH	
4	02250101-721	2	BAR,GROUNDING 5 POINT	
5	02250127-816	1	CABLE,ELECT 20GA 3PAIR W/SHLD	
6	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
7	02250183-074	9	SPACER,TUBE 3/8 ID X 3/4	
8	02250192-110	1	SWITCH,E-STOP TWIST TO RELEASE	
9	02250192-111	1	BLOCK, CONTACT CUTLER HAMMER M-22	
10	02250201-054	1	DECAL,ESTOP YELLOW RING 60MM	
11	02250201-157	1	CATCH,QTR TURN LOCKABLE 32MM	
12	02250207-732	1	CAP,ETHERNET PORT NEMA6	
13	02250214-781	2	HOLDER,FUSE 1 POLE	
14	02250214-985	30	CLIP,CABLE TIE PUSH BARB	
15	02250216-496	1	DRIVE,VSD WS 460V 250A IP00	
16	02250218-324	1	RAIL,DIN RAIL 12.75IN	
17	02250218-420	6	CATCH,QTR TURN SLOT 32MM BLACK	
18	02250224-798	1	CONTROL,BASIC USER INTERFACE	
19	02250225-289	1	CONTROL,INTERFACE BOARD	
20	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
21	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
22	02250225-892	1	PANEL,SUB ENCLOSURE	
23	02250225-895	2	RAIL,DIN RAIL 5.125 IN.	
24	02250227-140	1	PANEL,BEZEL METAL 10"	
25	02250227-303	1	GASKET,BEZEL GASKET 10"	
26	02250227-326	1	DECAL,BEZEL OVERLAY 10"	
27	02250227-339	1	CONTROL,10" DISPLAY	

1.38 Control starter (VSD—150 hp, 400V)

Key	Part number	Qty	Description	Notes
28	02250227-588	1	PANEL,SUB ENCLOSURE	
29	02250228-105	3	CLIP,TIE HOLDER	
30	02250228-378	4	LUG,GND LUG #6-300MCM	
31	02250228-654	1	CABLE,9 PIN TOUCH DISPLY	
32	02250230-534	1	COVER,FINGER DIST BLOCK	
33	02250230-541	2	COVER,FINGER PROT FUSE	
34	02250230-587	1	FILTER ASSEMBLY,EMC 3P 410A	
35	02250230-857	1	DOOR,ENCLOSURE 10" DISPLAY	
36	02250231-204	1	ENCLOSURE,VSD ELEC 62HX32WX12.5D	
37	02250232-525	1	RECEIVER,USB	
38	02250232-526	1	CABLE,USB	
39	02250232-809	1	TRANSFORMER,350 VA 400V CE	
40	02250241-382	4	LINK,JUMPER 8MM 2 POS	
41	02250241-383	1	MARKER,TAG, BLANK 8MM	
42	250016-350	1	SWITCH, PUSHBUTTON RED NC N4X	
43	250016-351	1	SWITCH, PUSHBUTTON GRN NO N4X	
44	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
45	250026-647	2	FUSE, KLDR 3.0 600V TD	
46	824206-337	9	NUT, HEX UNFIN 3/8-16	
47	825305-283	6	NUT, HEX FLGD PLTD 5/16-18	
48	825306-347	4	NUT, HEX FLGD PLTD 3/8-16	
49	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
50	835700-050	4	SCREW, TC-F RD 6-32 X 1/2"	
51	837206-071	9	WASHER, PL-B REG UNFIN 3/8"	
52	837506-094	9	WASHER, SPRLOCK REG 3/8"	

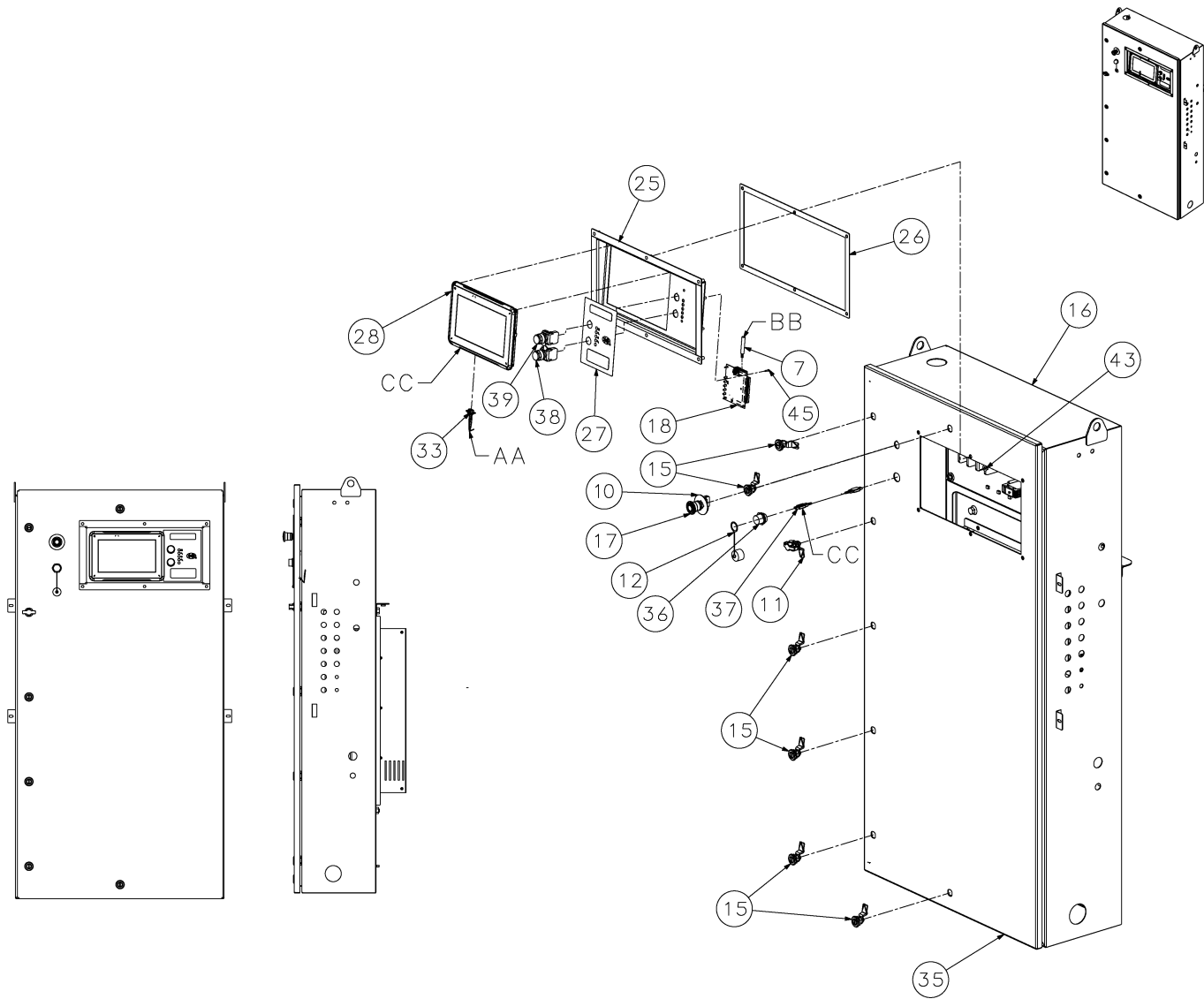
Drawing notes

1	DOOR MUST OPEN A MINIMUM OF 120 DEGREES.
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1.38 Control starter (VSD—150 hp, 400V)

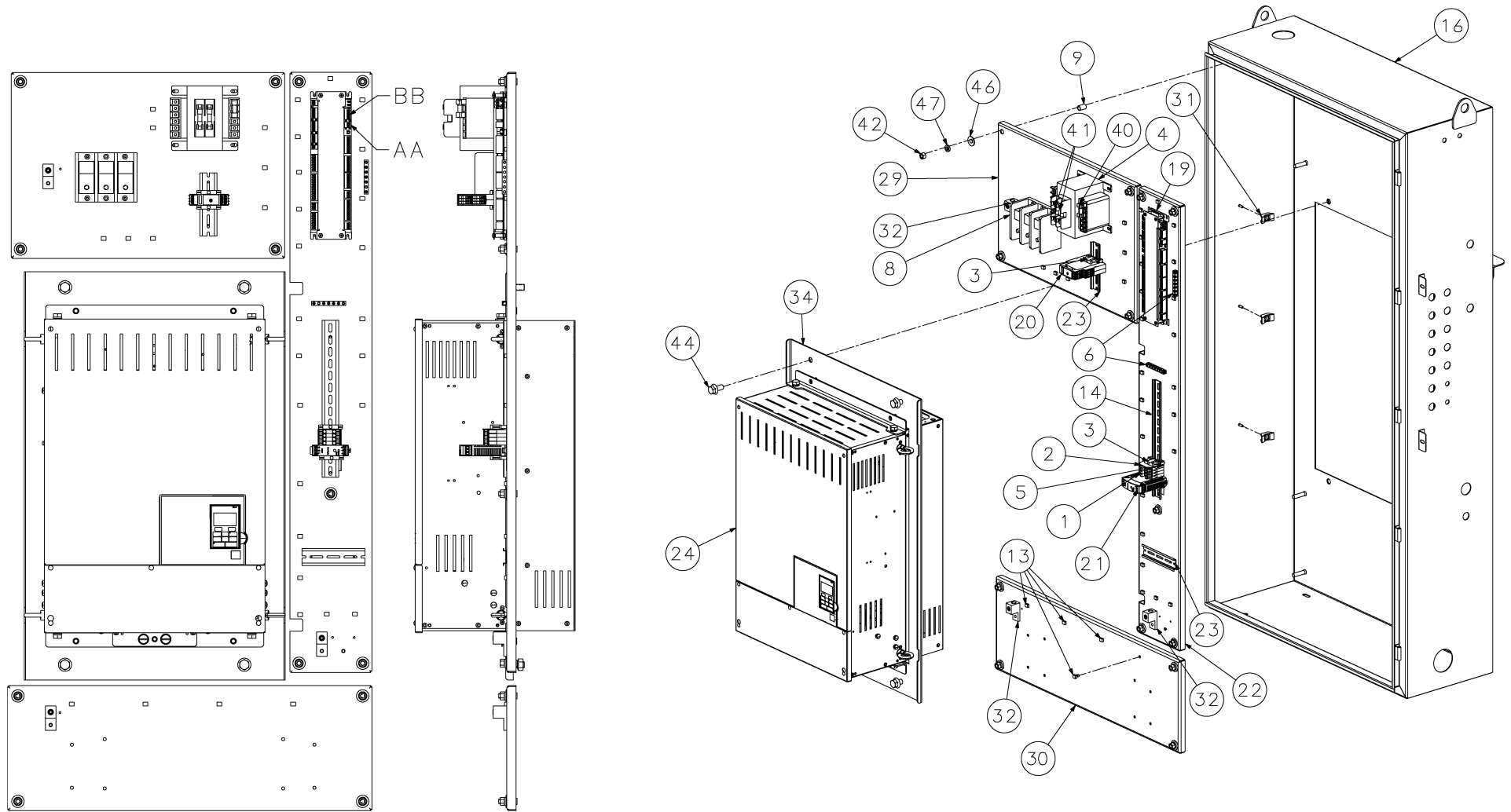
Key	Part number	Qty	Description	Notes
2			ALL COMPONENTS TO BE CE APPROVED.	
3			MANUFACTURER: YASKAWA	
4			REMOVE/PROTECT ALL SHARP EDGES.	
5			STARTER TO BE RATED NEMA-12 AFTER ASSEMBLY AT SULLAIR.	
6			DECAL VENDOR PLACES ON INSIDE OF ENCLOSURE DOOR MUST CONTAIN THE FOLLOWING INFORMATION: SULLAIR STARTER ASSEMBLY P/N AND REVISION LEVEL AND YASKAWA SOFTWARE REVISION LEVEL.	
7			DO NOT ROUTE WIRING THROUGH OPTIONAL COMPONENT LOCATIONS.	
8			COMPONENTS MOUNTED TO SUBPANELS WITH SELF-TAPPING SCREWS TO THE DISCRETION OF THE SUPPLIER.	
9			PART NUMBER AND REVISION LEVEL VISIBLE ON OUTSIDE OF SHIPPING PACKAGING.	
10			HANDLE AND 1/4 LATCHES MUST TURN CLOCKWISE TO OPEN.	

1.39 Control starter (VSD—150 hp, 460V)



02250226-538 R07 (sh1)

1.39 Control starter (VSD—150 hp, 460V)



02250226-538 R07 (sh2)

1.39 Control starter (VSD—150 hp, 460V)

Key	Part number	Qty	Description	Notes
1	02250057-241	4	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK,TERM END STOP C383 CH	
4	02250083-190	1	TRANSFORMER,CONTROL 350VA UNIV W/PRI FH	
5	02250090-813	1	LINK,JUMPER 8MM X 10PT	
6	02250101-721	2	BAR,GROUND 5 POST COPPER	
7	02250127-816	1	CABLE,ELECT 20GA 3PAIR W/SHLD	
8	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
9	02250183-074	13	SPACER,TUBE 3/8 ID X 3/4	
10	02250201-054	1	DECAL,ESTOP YELLOW RING 60MM	
11	02250201-157	1	CATCH,QTR TURN LOCKABLE 32MM	
12	02250207-732	1	CAP,ETHERNET PORT NEMA6	
13	02250214-985	34	CLIP,CABLE TIE PUSH BARB	
14	02250218-324	1	RAIL,DIN RAIL 12.75IN	
15	02250218-420	6	CATCH,QTR TURN SLOT 32MM BLACK	
16	02250222-800	1	ENCLOSURE,VSD ELEC 62HX32WX12.5D	
17	02250224-796	1	SWITCH ASSEMBLY,E-STOP	
18	02250224-798	1	CONTROL,BASIC USER INTERFACE	
19	02250225-289	1	CONTROL,INTERFACE BOARD	
20	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
21	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
22	02250225-892	1	PANEL,SUB ENCLOSURE	
23	02250225-895	2	MOUNT,DIN RAIL 5.125 IN.	
24	02250226-045	1	DRIVE,VSD 460V 208A IP00	
25	02250227-140	1	PANEL,BEZEL METAL 10"	
26	02250227-303	1	GASKET,BEZEL GASKET 10"	
27	02250227-326	1	DECAL,BEZEL OVERLAY 10"	

1.39 Control starter (VSD—150 hp, 460V)

Key	Part number	Qty	Description	Notes
28	02250227-339	1	CONTROL,10" DISPLAY	
29	02250227-588	1	PANEL,SUB ENCLOSURE	
30	02250227-668	1	PANEL,SUB ENCLOSURE	
31	02250228-105	3	CLIP,TIE HOLDER	
32	02250228-378	3	LUG,GND LUG #6-300MCM	
33	02250228-654	1	CABLE,9 PIN TOUCH DISPLY	
34	02250228-786	1	PLATE,ADAPT YAI DRV FR 11 TO 12	
35	02250230-857	1	DOOR,ENCLOSURE 10" DISPLAY	
36	02250232-525	1	RECEIVER,USB	
37	02250232-526	1	CABLE,USB	
38	250016-350	1	SWITCH, PUSHBUTTON RED NC N4X	
39	250016-351	1	SWITCH, PUSHBUTTON GRN NO N4X	
40	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
41	250026-644	2	FUSE, KLDR 2.0 600V TD	
42	824206-337	13	NUT, HEX UNFIN 3/8-16	
43	825305-283	6	NUT, HEX FLGD PLTD 5/16-18	
44	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
45	835700-050	4	SCREW, TC-F RD 6-32 X 1/2"	
46	837206-071	13	WASHER, PL-B REG UNFIN 3/8"	
47	837506-094	13	WASHER, SPRLOCK REG 3/8"	

Drawing notes

1	DOOR MUST OPEN A MINIMUM OF 120 DEGREES.
2	ALL COMPONENTS TO BE UL AND CE APPROVED.
3	MANUFACTURER: YASKAWA
4	REMOVE/PROTECT ALL SHARP EDGES.
5	STARTER TO BE RATED NEMA-12 AFTER ASSEMBLY AT SULLAIR.

1.39 Control starter (VSD—150 hp, 460V)

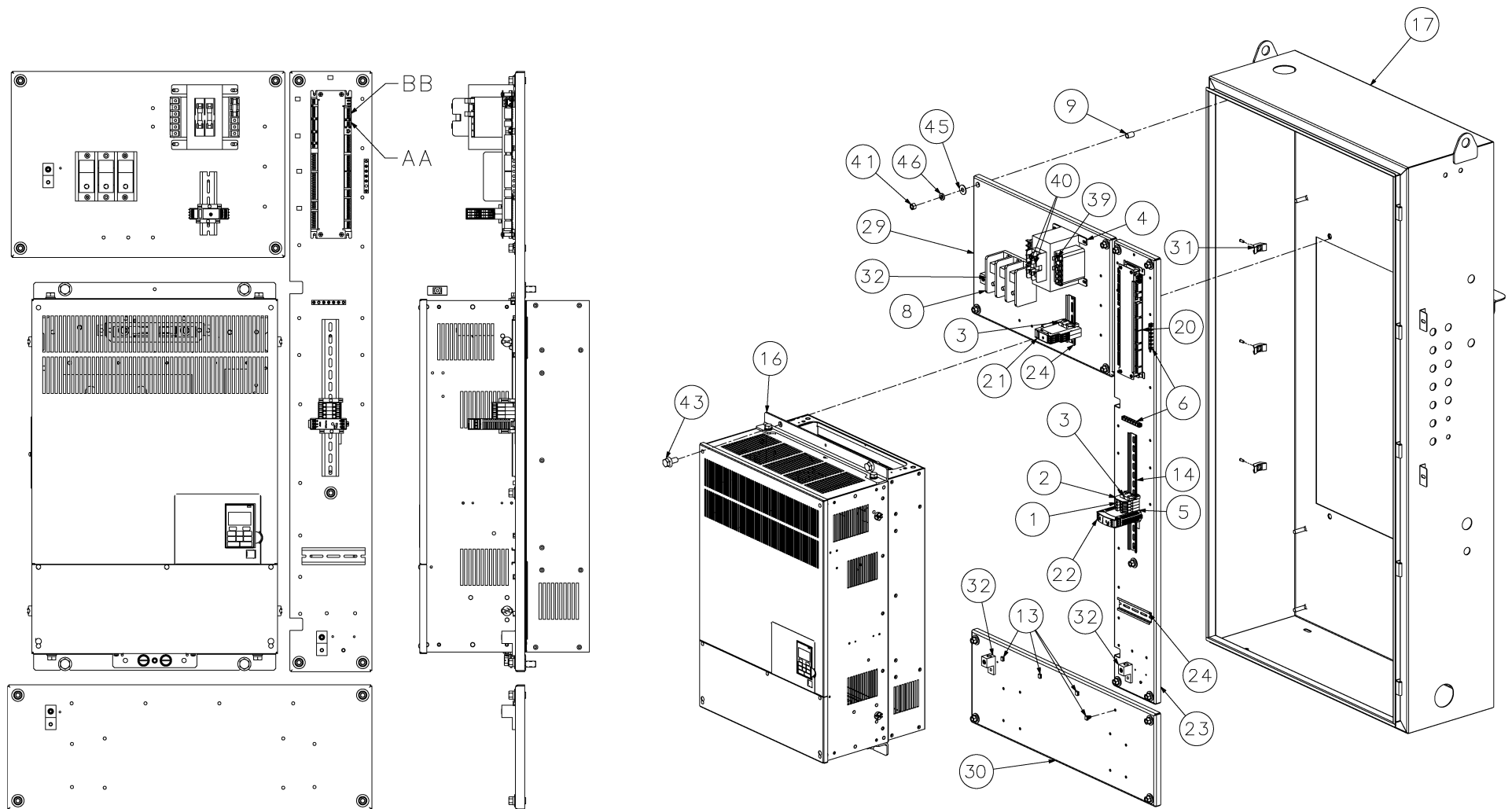
Key	Part number	Qty	Description	Notes
6	DECAL VENDOR PLACES ON INSIDE OF ENCLOSURE DOOR MUST CONTAIN THE FOLLOWING INFORMATION: SULLAIR STARTER ASSEMBLY P/N AND REVISION LEVEL AND YASKAWA SOFTWARE REVISION LEVEL.			
7	DO NOT ROUTE WIRING THROUGH OPTIONAL COMPONENT LOCATIONS.			
8	COMPONENTS MOUNTED TO SUBPANELS WITH SELF-TAPPING SCREWS TO THE DISCRETION OF THE SUPPLIER.			
9	PART NUMBER AND REVISION LEVEL VISIBLE ON OUTSIDE OF SHIPPING PACKAGING.			
10	HANDLE AND 1/4 LATCHES MUST TURN CLOCKWISE TO OPEN.			

Notes:

[illegible]

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1.40 Control starter (VSD—150 hp, 575V)



02250222-668 R06 (sh2)

1.40 Control starter (VSD—150 hp, 575V)

Key	Part number	Qty	Description	Notes
1	02250057-241	4	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK,TERM END STOP C383 CH	
4	02250083-190	1	TRANSFORMER,CONTROL 350VA UNIV W/PRI FH	
5	02250090-813	1	LINK,JUMPER 8MM X 10PT	
6	02250101-721	2	BAR,GROUND 5 POST COPPER	
7	02250127-816	1	CABLE,ELECT 20GA 3PAIR W/SHLD	
8	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
9	02250183-074	12	SPACER,TUBE 3/8 ID X 3/4	
10	02250201-054	1	DECAL,ESTOP YELLOW RING 60MM	
11	02250201-157	1	CATCH,QTR TURN LOCKABLE 32MM	
12	02250207-732	1	CAP,ETHERNET PORT NEMA6	
13	02250214-985	34	CLIP,CABLE TIE PUSH BARB	
14	02250218-324	1	RAIL,DIN RAIL 12.75IN	
15	02250218-420	6	CATCH,QTR TURN SLOT 32MM BLACK	
16	02250222-664	1	DRIVE,VSD 575V 192A IP00	
17	02250222-800	1	ENCLOSURE,VSD ELEC 62HX32WX12.5D	
18	02250224-796	1	SWITCH ASSEMBLY,E-STOP	
19	02250224-798	1	CONTROL,BASIC USER INTERFACE	
20	02250225-289	1	CONTROL,INTERFACE BOARD	
21	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
22	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
23	02250225-892	1	PANEL,SUB ENCLOSURE	
24	02250225-895	2	MOUNT,DIN RAIL 5.125 IN.	
25	02250227-140	1	PANEL,BEZEL METAL 10"	
26	02250227-303	1	GASKET,BEZEL GASKET 10"	
27	02250227-326	1	DECAL,BEZEL OVERLAY 10"	

1.40 Control starter (VSD—150 hp, 575V)

Key	Part number	Qty	Description	Notes
28	02250227-339	1	CONTROL,10" DISPLAY	
29	02250227-588	1	PANEL,SUB ENCLOSURE	
30	02250227-668	1	PANEL,SUB ENCLOSURE	
31	02250228-105	3	CLIP,TIE HOLDER	
32	02250228-378	3	LUG,GND LUG #6-300MCM	
33	02250228-654	1	CABLE,9 PIN TOUCH DISPLY	
34	02250230-857	1	DOOR,ENCLOSURE 10" DISPLAY	
35	02250232-525	1	RECEIVER,USB	
36	02250232-526	1	CABLE,USB	
37	250016-350	1	SWITCH, PUSHBUTTON RED NC N4X	
38	250016-351	1	SWITCH, PUSHBUTTON GRN NO N4X	
39	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
40	250026-644	2	FUSE, KLDR 2.0 600V TD	
41	824206-337	13	NUT, HEX UNFIN 3/8-16	
42	825305-283	6	NUT, HEX FLGD PLTD 5/16-18	
43	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
44	835700-050	4	SCREW, TC-F RD 6-32 X 1/2"	
45	837206-071	13	WASHER, PL-B REG UNFIN 3/8"	
46	837506-094	13	WASHER, SPRLOCK REG 3/8"	

Drawing notes

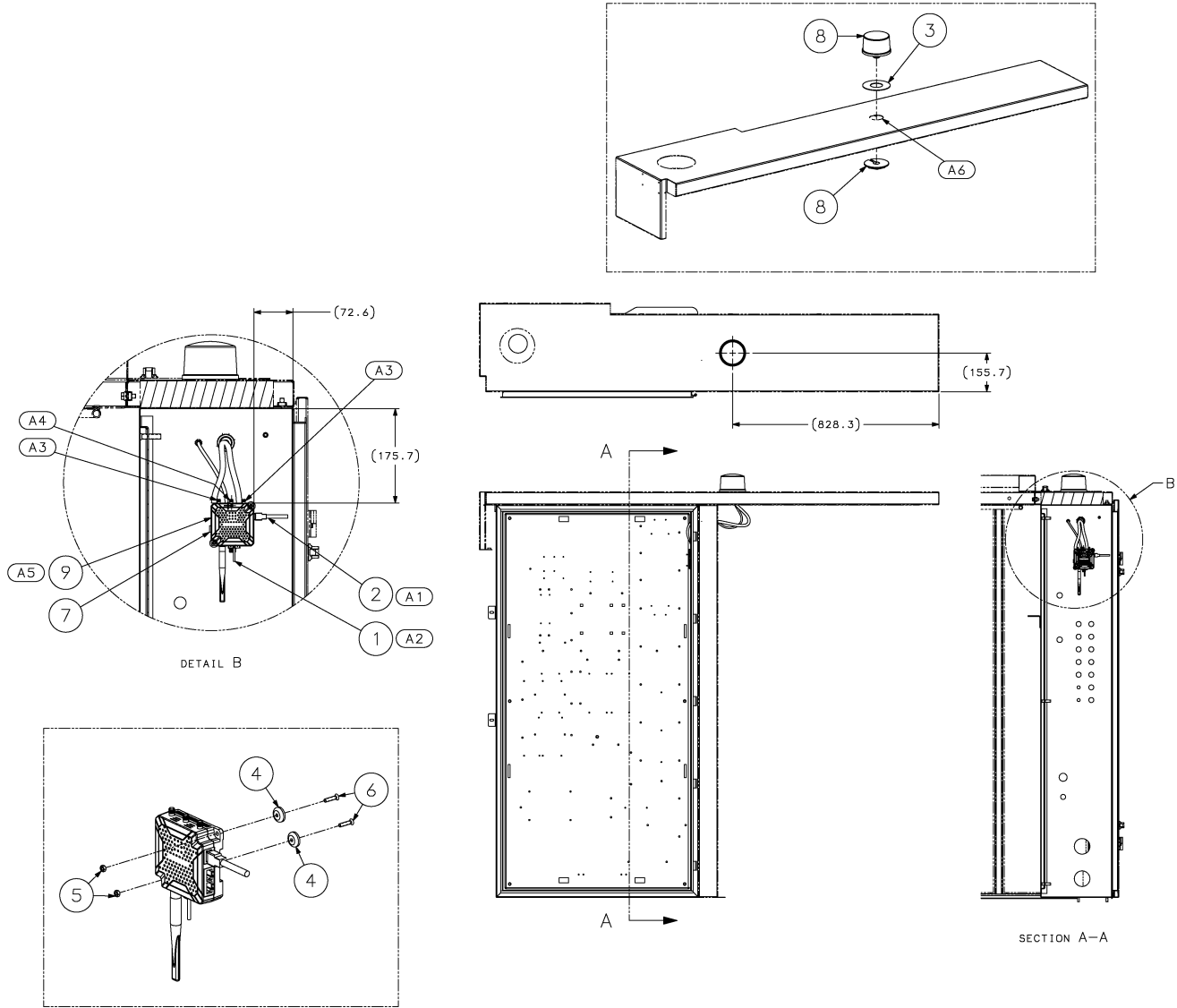
1	DOOR MUST OPEN A MINIMUM OF 120 DEGREES.
2	ALL COMPONENTS TO BE UL AND CE APPROVED.
3	MANUFACTURER: YASKAWA
4	REMOVE/PROTECT ALL SHARP EDGES.
5	STARTER TO BE RATED NEMA-12 AFTER ASSEMBLY AT SULLAIR.
6	DECAL VENDOR PLACES ON INSIDE OF ENCLOSURE DOOR MUST CONTAIN THE FOLLOWING INFORMATION: SULLAIR STARTER ASSEMBLY P/N AND REVISION LEVEL AND YASKAWA SOFTWARE REVISION LEVEL.

1.40 Control starter (VSD—150 hp, 575V)

Key	Part number	Qty	Description	Notes
7	DO NOT ROUTE WIRING THROUGH OPTIONAL COMPONENT LOCATIONS.			
8	COMPONENTS MOUNTED TO SUBPANELS WITH SELF-TAPPING SCREWS TO THE DISCRETION OF THE SUPPLIER.			
9	PART NUMBER AND REVISION LEVEL VISIBLE ON OUTSIDE OF SHIPPING PACKAGING.			
10	HANDLE AND 1/4 LATCHES MUST TURN CLOCKWISE TO OPEN.			

Notes:

1.41 Communications, AirLinx 2.0 Enclosure



1000-9125 R01

1.41 Communications, AirLinx 2.0 Enclosure

Key	Part number	Qty	Description	Notes
1	1000-4664	1	HARNESS,HIT IOT MODEM PWR 3M	
2	1000-4665	1	HARNESS,HIT IOT MODEM-STS/WS IO	
3	1001-0517	1	GASKET,ANTENNA	
4	1001-0518	2	MOUNT,MAGNET	
5	1001-0685	2	NUT,HEX METRIC M3.5 X 0.6	
6	1001-0688	2	SCREW,REC CSUNK FLTHD M3.5X16	
7	1001-0703	1	CARD,SIM AIRLINX HIES	
8	CP-ANT24	1	TRANSMITTER,REP_LS160	
9	CPTRANS-MGW	1	MODEM,AIRLINX HIES	

Drawing notes

A1	MODEM POWER TO 24VDC
A2	MODEM SERIAL 8-PIN CONNECTOR TO BUI BOARD
A3	ANTENNA TO MODEM (2X) LTE
A4	ANTENNA TO MODEM (1X) GPS
A5	MODEM MOUNTED ON INSIDE WALL OF STARTER BOX
A6	PUNCH A 1.97" (50MM) DIAMETER THRU HOLE AT THE LOCATION SHOWN

This exploded view diagram illustrates the assembly of a cabinet. The components are numbered as follows:

- 1**: Vertical support posts.
- 2**: Horizontal support bars.
- 3**: Cabinet doors.
- 4**: Cabinet frame panels.
- 5**: Top horizontal rail.
- 6**: Small fasteners or pins.
- 7**: Vertical support posts (left side).
- 8**: Vertical support posts (right side).
- 9**: Vertical support posts (middle).
- 10**: Top horizontal rail (right side).
- 11**: Top horizontal rail (left side).
- 12**: Vertical support posts (left side).
- 13**: Vertical support posts (middle).
- 14**: Horizontal support bars (left side).
- 15**: Horizontal support bars (right side).
- 16**: Top horizontal rail (left side).
- 17**: Vertical support posts (right side).
- 18**: Vertical support posts (middle).
- 19**: Vertical support posts (left side).
- 20**: Cabinet doors (top).
- 21**: Cabinet doors (bottom).
- 22**: Cabinet doors (middle).
- 23**: Horizontal support bars (various locations).

Assembly labels include:

- A2**: Points to the bottom of the vertical support posts.
- A3**: Points to the fasteners (6) on the cabinet doors.
- A4**: Points to the fasteners (6) on the vertical support posts.
- A5**: Points to the fasteners (6) on the horizontal support bars.



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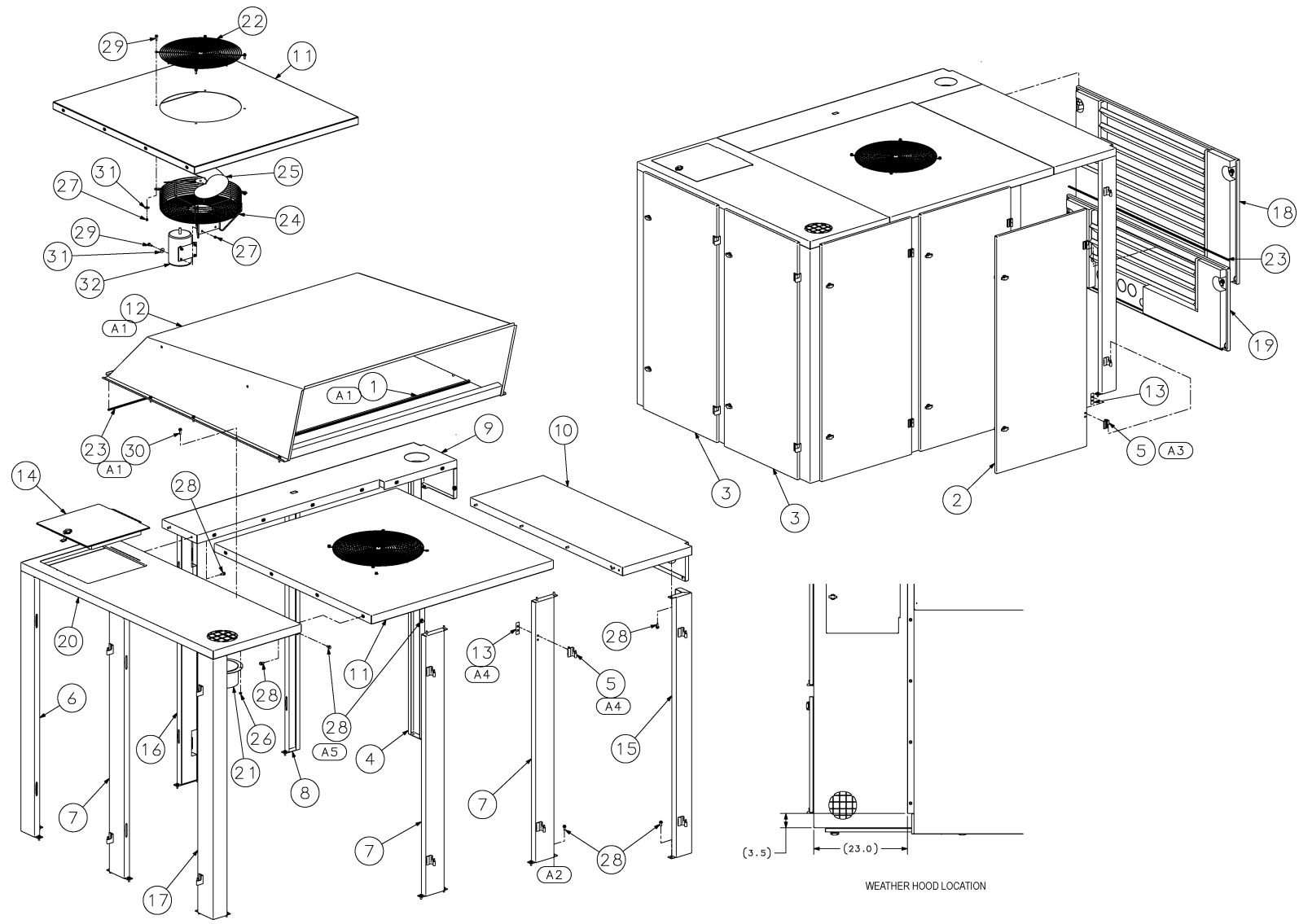
1.42 Enclosure, air-cooled

Key	Part number	Qty	Description	Notes
1	02250165-862	10	TRIM, CLIP ON	
2	02250183-790	6	PLUG,HOLE .375 DIA. BLACK	
3	02250222-466	5	PANEL,DOOR 200HP GRN	
4	02250222-467	2	PANEL,DOOR 200HP BLK	
5	02250222-470	1	SUPPORT,ENCL CNTR CORNER 200HP	
6	02250222-977	14	HINGE,LIFT OFF 200HP	
7	02250223-649	1	SUPPORT,ENCL CORN SUMP END 150HP	
8	02250223-709	3	SUPPORT,ENCL POST 150HP	
9	02250223-714	1	SUPPORT,ENCL POST RH CNTR 150HP	
10	02250223-743	1	PANEL,ENCL ROOF CNTR SIDE 150HP	
11	02250223-745	1	PANEL,ENCL ROOF UNIT END 150HP	
12	02250223-746	1	PANEL,ENCL ROOF CNTR END 150HP	
13	02250223-748	1	PANEL,ENCL ROOF UNIT SIDE 150HP	
14	02250223-806	1	ANGLE,ENCL ROOF-CLR 150HP	
15	02250223-815	28	SHIM,HINGE SUPT .5MM	
16	02250225-451	1	PANEL,CVR SEP ACCESS 150HP	
17	02250225-523	1	SUPPORT,ENCL CORNER MTR END 150HP	
18	02250225-524	1	SUPPORT,ENCL POST SUMP SIDE 150HP	
19	02250225-525	1	SUPPORT,ENCL CORN UNIT END 150HP	
20	02250226-738	1	PANEL,ENCL END LVR UP 150HP	
21	02250226-747	1	PANEL,ENCL MTR END LVR 150HP	
22	250022-436	5	WEATHERSTRIP,3/16 X 3/8 FT	
23	829705-075	49	SCREW, HX SER WASH 5/16 X 3/4"	

Drawing notes

A2	TO FRAME WELD-NUTS. TYP.
A3	DOOR HALF OF HINGE, INSTALL WITH BACKER SHIM (AS REQUIRED) AND PIN.
A4	STATIONARY HALF OF HINGE, INSTALL WITH BACKER (AS REQUIRED) SHIM AND PIN.
A5	FOUR SCREWS TO HOLD STARTER BOX.

1.43 Enclosure, water-cooled



02250226-535 R03



1.43 Enclosure, water-cooled

Key	Part number	Qty	Description	Notes
1	02250158-314	5FT	GASKET, SPONGE-RUBBER BLACK	
2	02250222-466	5	PANEL,DOOR 200HP GRN	
3	02250222-467	2	PANEL,DOOR 200HP BLK	
4	02250222-470	1	SUPPORT,ENCL CNTR CORNER 200HP	
5	02250222-977	14	HINGE,LIFT OFF 200HP	
6	02250223-649	1	SUPPORT,ENCL CORN SUMP END 150HP	
7	02250223-709	3	SUPPORT,ENCL POST 150HP	
8	02250223-714	1	SUPPORT,ENCL POST RH CNTR 150HP	
9	02250223-743	1	PANEL,ENCL ROOF CNTR SIDE 150HP	
10	02250223-745	1	PANEL,ENCL ROOF UNIT END 150HP	
11	02250223-752	1	PANEL,ENCL ROOF WTROC 150HP	
12	02250223-813	1	DUCT,WEATHER HOOD 150HP	
13	02250223-815	28	SHIM,HINGE SUPT .5MM	
14	02250225-451	1	PANEL,CVR SEP ACCESS 150HP	
15	02250225-523	1	SUPPORT,ENCL CORNER MTR END 150HP	
16	02250225-524	1	SUPPORT,ENCL POST SUMP SIDE 150HP	
17	02250225-525	1	SUPPORT,ENCL CORN UNIT END 150HP	
18	02250226-738	1	PANEL,ENCL END LVR UP 150HP	
19	02250226-747	1	PANEL,ENCL MTR END LVR 150HP	
20	02250231-483	1	PANEL,ENCL ROOF CNTR END 150HP	
21	02250231-716	1	TUBE,ENCL ROOF 150HP	
22	241137	1	GUARD, FAN 20"DIA	
23	250022-436	10FT	WEATHERSTRIP,3/16 X 3/8 FT	
24	410179	1	GUARD,FAN 20" DIA 48 FRAME MTR	
25	410358	1	FAN,18" VENT 1/2" BORE 3 BLADE	
26	825304-236	3	NUT, HEX FLGD PLTD 1/4-20	
27	825505-166	8	NUT, HEX LOCKING PLTD 5/16-18	

1.43 Enclosure, water-cooled

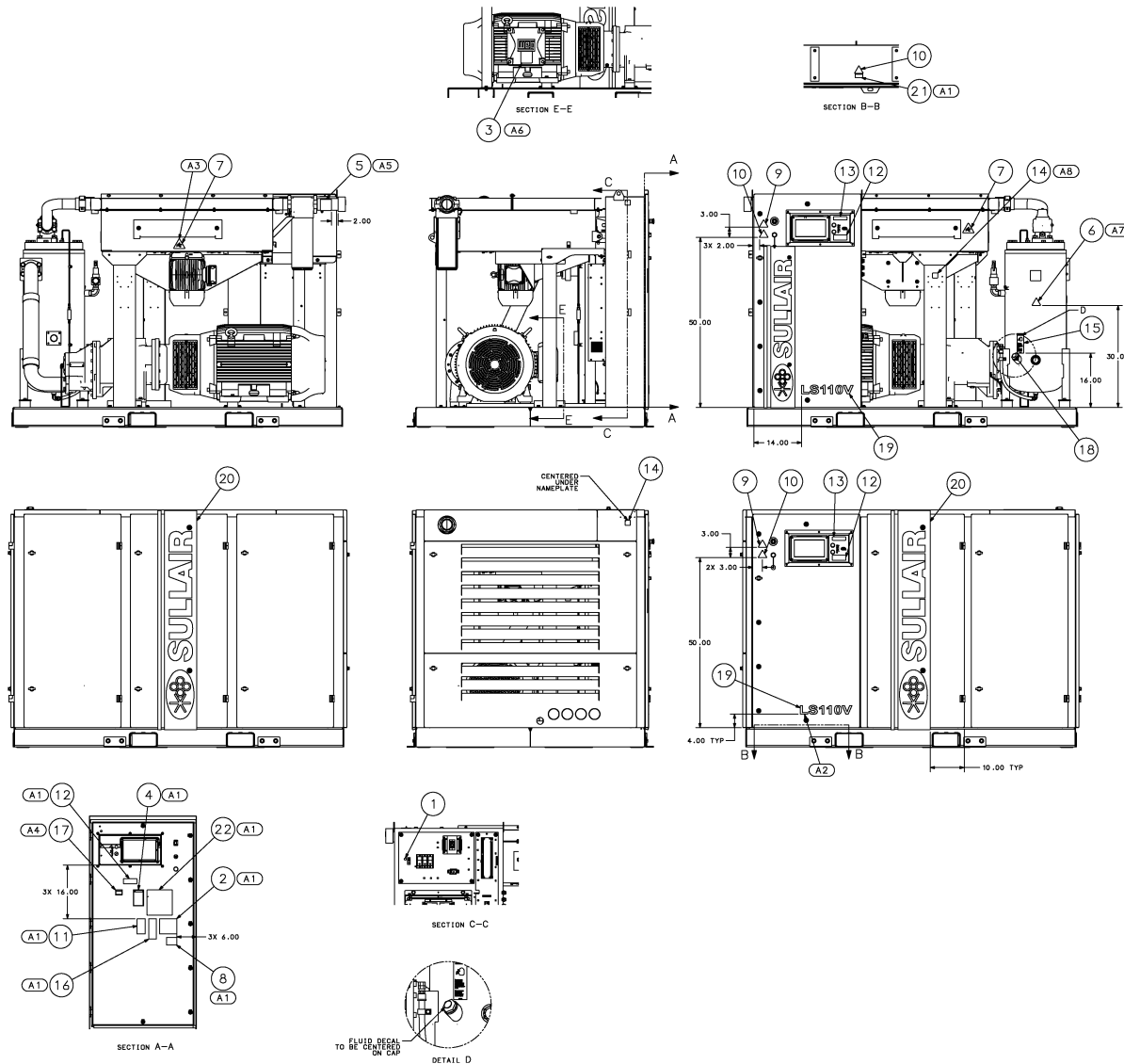
Key	Part number	Qty	Description	Notes
28	829705-075	52	SCREW, HX SER WASH 5/16 X 3/4"	
29	829705-100	8	SCREW, HX SER WASH 5/16 X 1"	
30	834505-100	8	SCREW, SELF DRILL 5/16 X 1"	
31	838305-071	8	WASHER, PL-B WIDE PLTD 5/16"	
32	-VARIOUS	1	MOTOR, .25HP 208-230/460	

Drawing notes

A1	OPTIONAL WEATHER HOOD PARTS. (DRILL PILOT HOLES FOR SCREWS AS/IF REQUIRED)
A2	TO FRAME WELD-NUTS. TYP.
A3	DOOR HALF OF HINGE, INSTALL WITH BACKER SHIM (AS REQUIRED) AND PIN.
A4	STATIONARY HALF OF HINGE, INSTALL WITH BACKER SHIM (AS REQUIRED) AND PIN.
A5	FOUR SCREWS FOR STARTER BOX ATTACHMENT.

Notes:

1.44 Decal locations, air-cooled



02250227-154 R06

1.44 Decal locations, air-cooled

Key	Part number	Spanish P/N	Qty	Description	Notes
1	02250075-540		1	DECAL,PE DESIGNATION	
2	02250127-896	02250236-574	1	DECAL,PACKAGE AMPS LABEL	
3	02250146-385		1	DECAL,PARALLEL WYE MOTOR CONN.	*
4	02250164-823		1	DECAL,WRN N12 ELEC ENCL PROTC	*
5	02250171-797		1	DECAL, DO NOT BREATH COMP AIR	
6	02250172-271		1	DECAL, WARNING HOT SURFACES	
7	02250186-326		2	DECAL,WARNING SEVER (FAN)	
8	02250209-435		1	LABEL,UL ENCL CONT PNL W/BC	
9	02250229-398		1	DECAL, WARNING REMOTELY CONTROLLED	
10	02250229-399		2	DECAL, WARNING ELECTRICAL SHOCK	
11	02250231-628		1	NAMEPLATE,SULLAIR QUALITY TAG	
12	02250232-016	02250236-573	2	DECAL,QR CODE LS90-110	
13	02250232-017		1	DECAL,AIRLINX WHITE LETTERS	
14	02250256-553		1	DECAL,WARNING CANCER AND REPRO	
15	049685	02250055-342	1	SIGN, WARNING-COMP OIL FIL CAP	
16	049852	02250055-341	1	DECAL,WARNING GROUND FAULT	
17	1001-2694		1	DECAL,10A COLD WEATHER PKG	
18	FLUID		1	DECAL,FLUID	
19	MODEL		1	DECAL,MODEL	
20	SULLAIR		2	DECAL,SULLAIR	
21	VOLTAGE		1	DECAL,VOLTAGE	
22	VSD WIRE		1	DECAL,VSD WIRE SIZE	*

Drawing notes

A1	LOCATE APPROXIMATELY AS SHOWN
A2	DECAL TO BE CENTERED HORIZONTALLY ON STARTER DOOR FOR ENCLOSED MACHINES ONLY
A3	DECAL TO BE CENTERED HORIZONTALLY AND VERTICALLY BELOW THE ACCESS PANEL AS SHOWN
A4	ATTACH DECAL ON STARTER DOOR LOCATION APPROXIMATELY AS SHOWN
A5	DECAL TO BE PLACED AT THIS LOCATION FOR ONLY OPEN MACHINES
A6	TO BE CENTERED WITH THE ABOVE TEXT
A7	TO BE CENTERED WITH THE ABOVE DECAL
A8	LESS CANOPY UNITS ONLY

1.44 Decal locations, air-cooled

Decals, fluid

Part number	Description
02250069-389	DECAL, FLUID SULLUBE
02250197-394	DECAL, PRISTINEFG FOOD GRADE

Decals, model

Part number	Description
02250228-618	DECAL, LS90
02250229-497	DECAL, LS90S
02250229-498	DECAL, LS90V
02250228-619	DECAL, LS110
02250229-500	DECAL, LS110S
02250229-501	DECAL, LS110V

Decals, Sullair logo

Part number	Description
02250227-155	DECAL,"SULLAIR" BLACK ENCL
02250229-397	DECAL,"SULLAIR" BLACK OPEN

Decals, voltage

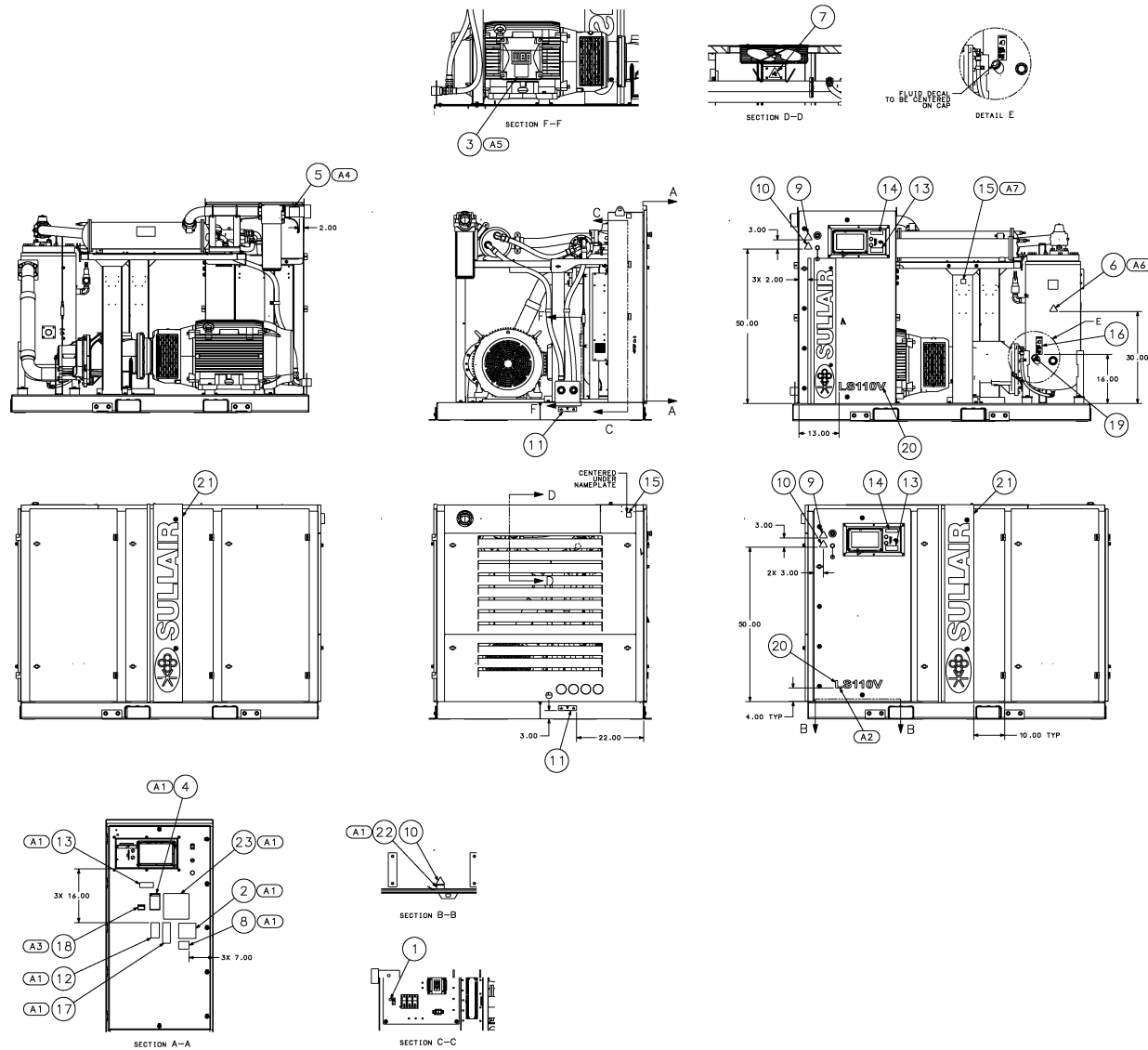
Part number	Description
02250069-399	DECAL,V 460/3/60 INTERNATIONAL
02250069-400	DECAL,V 575/3/60 INTERNATIONAL
02250069-405	DECAL,V 400/3/50 INTERNATIONAL

Decals, VSD wiring

Part number	Description
02250230-931	DECAL,VSD WIRE SIZE 400V
02250207-677	DECAL,VSD WIRE SIZE 460V
02250212-205	DECAL,VSD WIRE SIZE 575V YAS

Notes:

1.45 Decal locations, water-cooled



1.45 Decal locations, water-cooled

Key	Part number	Spanish P/N	Qty	Description	Notes
1	02250075-540		1	DECAL, PE DESIGNATION	
2	02250127-896	02250236-574	1	DECAL, PACKAGE AMPS LABEL	
3	02250146-385		1	DECAL, PARALLEL WYE MOTOR CONN.	*
4	02250164-823		1	DECAL, WRN N12 ELEC ENCL PROTC	*
5	02250171-797		1	DECAL, DO NOT BREATH COMP AIR	
6	02250172-271		1	DECAL, WARNING HOT SURFACES	
7	02250186-326		1	DECAL, WARNING SEVER (FAN)	
8	02250209-435		1	LABEL, UL ENCL CONT PNL W/BC	
9	02250229-398		1	DECAL, WRNG REMOTELY CONTROLLED	
10	02250229-399		2	DECAL, WRNG ELECTRICAL SHOCK	
11	02250229-954		1	DECAL, WATER IN/WATER OUT	
12	02250231-628		1	NAMEPLATE, SULLAIR QUALITY TAG	
13	02250232-016	02250236-573	2	DECAL, QR CODE LS90-110	
14	02250232-017		1	DECAL, AIRLINX WHITE LETTERS	
15	02250256-553		1	DECAL, WARNING CANCER AND REPRO	
16	049685	02250055-342	1	DECAL, WARNING-COMP OIL FIL CAP	
17	049852	02250055-341	1	DECAL, WARNING GROUND FAULT	
18	1001-2694		1	DECAL, 10A COLD WEATHER PKG	
19	FLUID		1	DECAL, FLUID	
20	MODEL		1	DECAL, MODEL	
21	SULLAIR		2	DECAL, SULLAIR	
22	VOLTAGE		1	DECAL, VOLTAGE	
23	VSD WIRE		1	DECAL, VSD WIRE SIZE	

Drawing notes

A1	LOCATE APPROXIMATELY AS SHOWN
A2	MODEL DECAL TO BE CENTERED ON STARTER DOOR FOR ENCLOSED MACHINES ONLY
A3	ATTACH DECAL ON STARTER DOOR LOCATION APPROXIMATELY AS SHOWN
A4	DECAL TO BE PLACED AT THIS LOCATION FOR ONLY OPEN MACHINES
A5	TO BE CENTERED WITH THE ABOVE TEXT
A6	TO BE CENTERED WITH THE ABOVE DECAL
A7	LESS CANOPY UNITS ONLY

1.45 Decal locations, water-cooled

Decals, fluid

Part number	Description
02250069-389	DECAL, FLUID SULLUBE
02250197-394	DECAL, PRISTINEFG FOOD GRADE

Decals, model

Part number	Description
02250228-618	DECAL, LS90
02250229-497	DECAL, LS90S
02250229-498	DECAL, LS90V
02250228-619	DECAL, LS110
02250229-500	DECAL, LS110S
02250229-501	DECAL, LS110V

Decals, Sullair logo

Part number	Description
02250227-155	DECAL,"SULLAIR" BLACK ENCL
02250229-397	DECAL,"SULLAIR" BLACK OPEN

Decals, voltage

Part number	Description
02250069-399	DECAL,V 460/3/60 INTERNATIONAL
02250069-400	DECAL,V 575/3/60 INTERNATIONAL
02250069-405	DECAL,V 400/3/50 INTERNATIONAL

Decals, VSD wiring

Part number	Description
02250230-931	DECAL,VSD WIRE SIZE 400V
02250207-677	DECAL,VSD WIRE SIZE 460V
02250212-205	DECAL,VSD WIRE SIZE 575V YAS



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1-219-879-5451 (non-USA)

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