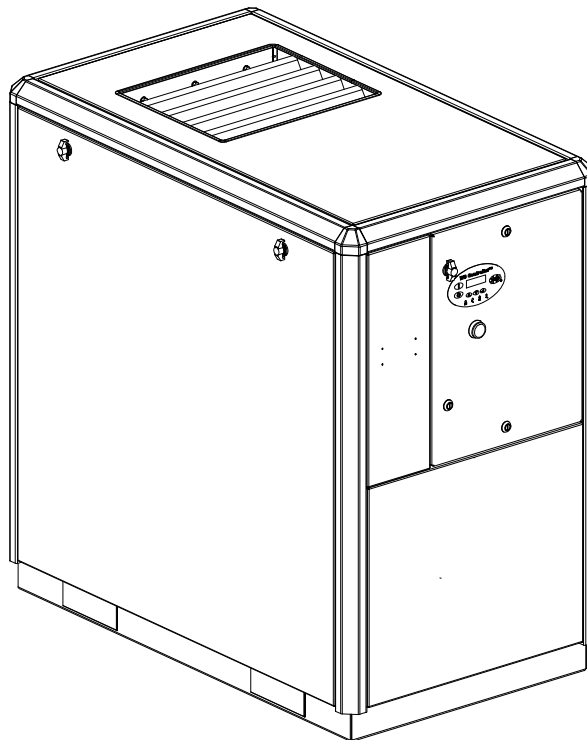




PARTS LIST MANUAL

**INDUSTRIAL AIR COMPRESSOR
1800, 2200, 1800v, 2200v
18, 22kW/25 & 30HP**



WARRANTY NOTICE

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

**PART NUMBER:
02250176-181 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:**

200805050000

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

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

- Or Write -

Sullair Corporation
3700 E. Michigan Blvd.
Michigan City, IN 46360
Attn: Service Training Department.

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PAGE	SECTION	DESCRIPTION	PAGE	SECTION	DESCRIPTION

1.1 PROCEDURE FOR ORDERING PARTS

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

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.

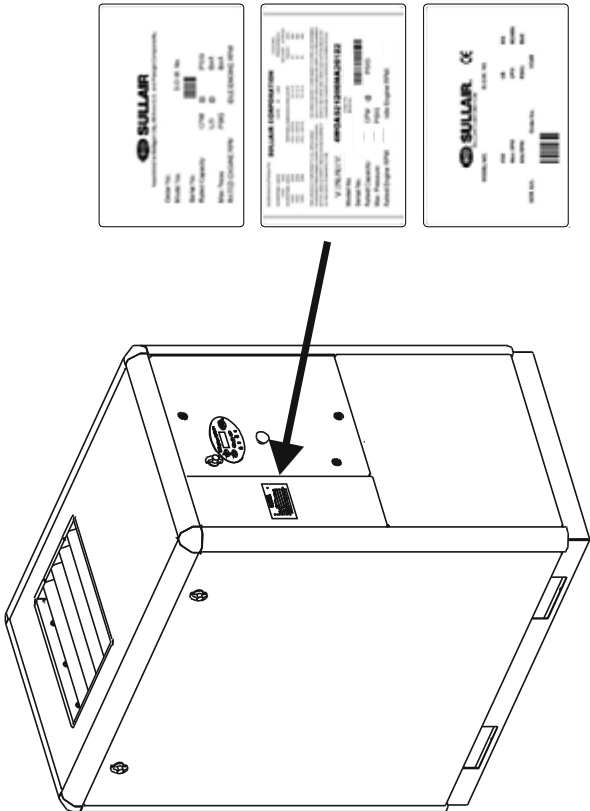


Figure 1-1: Serial Plate / Serial Number Location

RECOMMENDED SERVICE PARTS LIST

1.2 RECOMMENDED SERVICE PARTS LIST

KEY NO.	ORDER PART NO.	QTY	DESCRIPTION	NOTE
1	02250155-709	1	element, compressor fluid filter 02250155-708	
2	02250125-372	1	element, heavy duty air filter 02250125-369	
3	02250160-776	1	element, replacement for separator 02250160-774	
4	02250110-988	1	kit, repair for minimum pressure/check valve 02250097-609	
5	02250046-397	1	kit, cap for minimum pressure/check valve	
6	02250048-362	1	kit, O-ring for minimum pressure/check valve	
7	02250051-338	1	kit, piston for minimum pressure/check valve	
8	02250144-327	1	kit, repair for thermal valve 195deg 02250092-081	
9	02250148-827	1	repair for thermal valve 210 deg 02250148-796	
10	250019-453	1	kit, repair for pressure regulator 250017-280	
11	02250157-500	1	kit, repair for control solenoid valve 02250155-714	
12	02250157-502	1	kit, coil replacement for control solenoid valve coil 02250155-714	
13	02250157-501	1	kit, repair for condensate drain solenoid valve coil 02250155-715	
14	02250157-502	1	kit, coil replacement for condensate drain solenoid valve coil	
15	02250164-606	1	kit, repair inlet valve (integrated with compressor unit)	
				Continued on next page.

PLEASE NOTE: WHEN ORDERING PARTS,
INDICATE SERIAL NUMBER OF COMPRESSOR

1.2 RECOMMENDED SERVICE PARTS LIST

KEY NO.	ORDER PART NO.	QTY	DESCRIPTION	NOTE
16	02250164-607	1	kit, rebuild inlet valve	
17	241772	1	kit, repair for v-type strainer 241771	
18	02250155-594	1	kit, repair for shaft seal	
19	001932-005	1	kit, repair for shaft seal installation	
20	02250117-782	2	filter, scavenge line 02250117-782	
21	02250144-735	1	kit, seal replacement for separator/trap 02250144-635	
22	250019-662		lubricant, Sullube (Std.) (5 gal/19 liter)	(I)
23	250022-669		lubricant, Sullube (Std.) (5 gal/19 liter)	(I)
24	02250051-053		lubricant, 24 KT (5 gal/19 liter)	(I)
25	250029-008		lubricant, Food Grade (5 gal/19 liter)	(I)

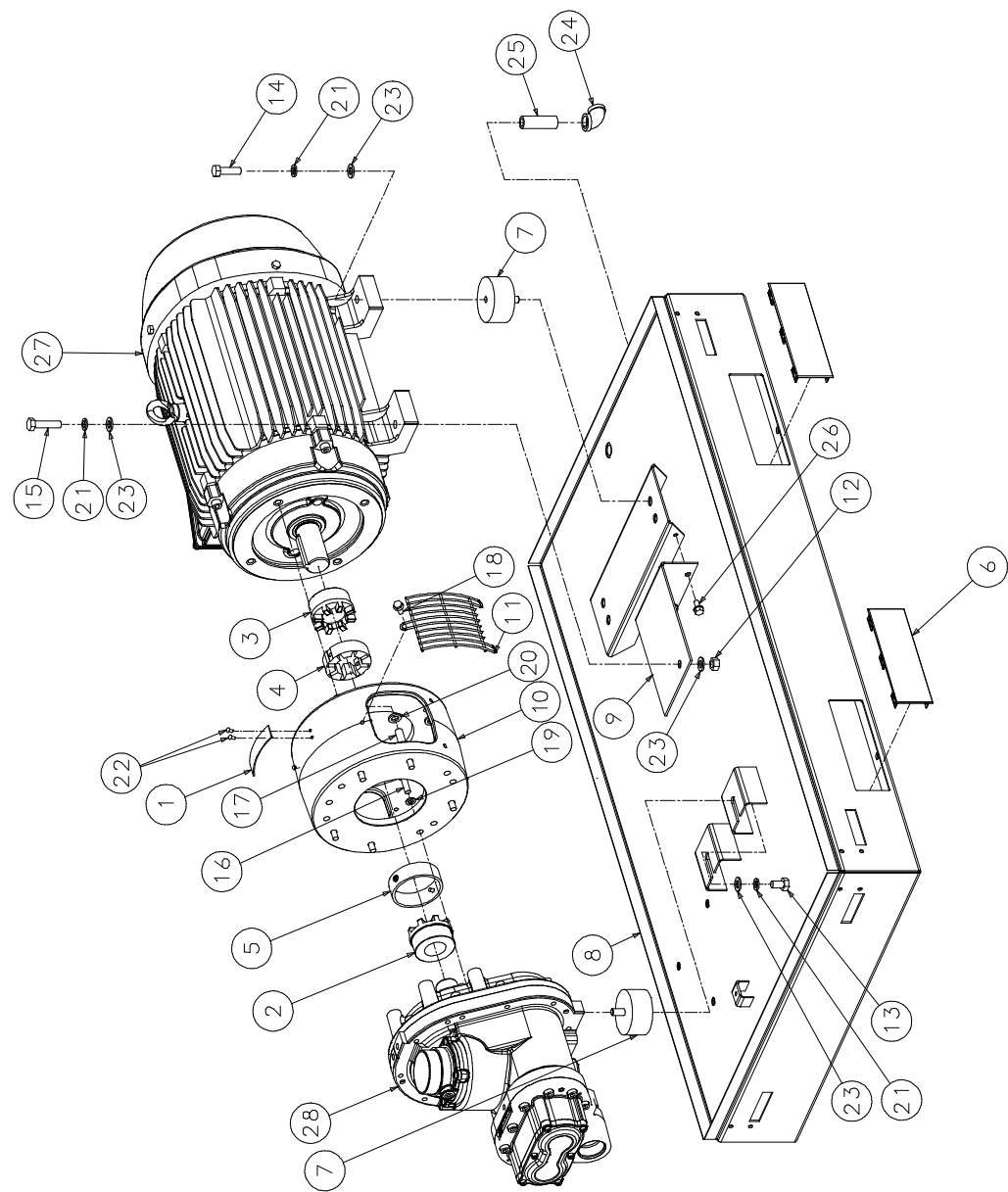
(I) For proper amount of fluid fill, please consult *Lubrication Guide* in *Section 3: Specifications* in User Manual



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

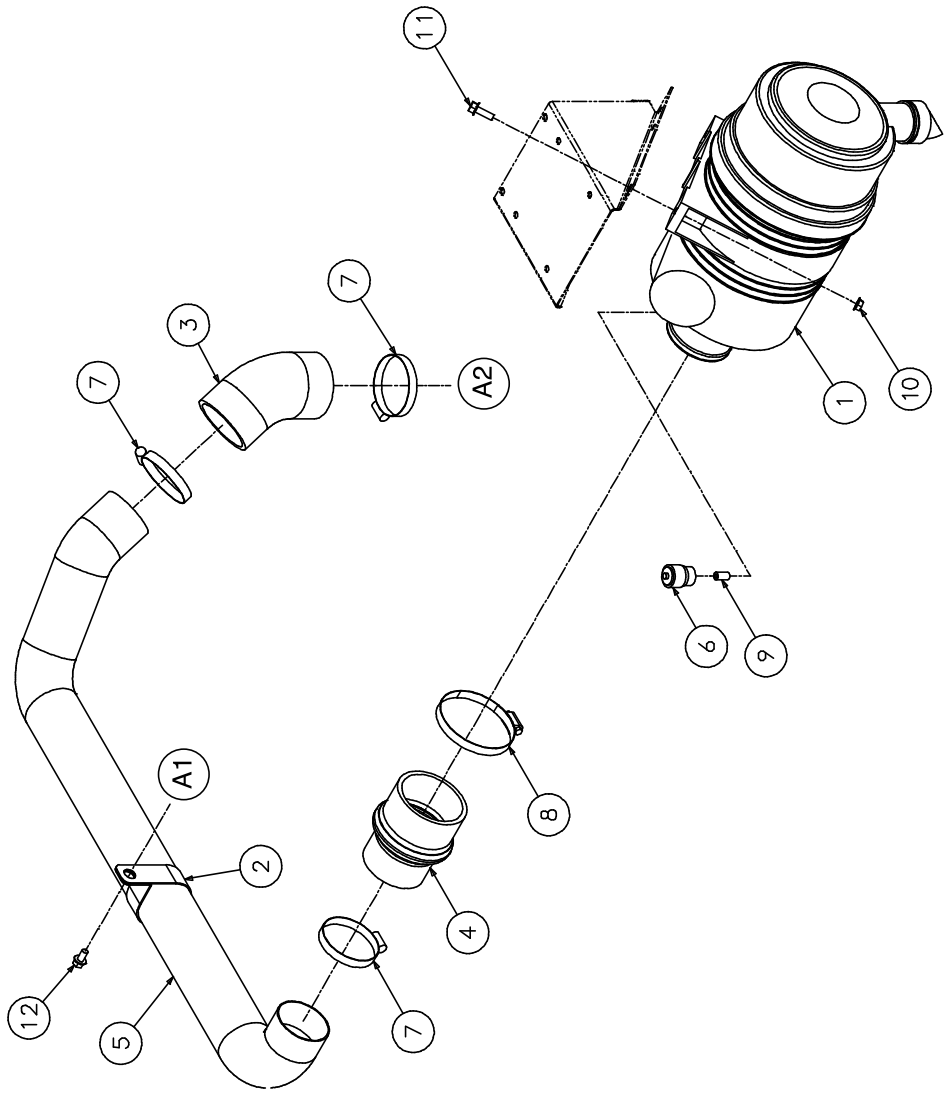


1.3 COMPRESSOR, FRAME AND DRIVE

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250057-737	1	plate, rotation arrow	
2	02250152-619	1	hub, coupling 1.50 bore 10r	
3	02250152-620	1	hub, coupling 1.625 bore 10r	
4	02250152-669	1	element, cplg 10r	
5	02250152-677	1	cover, forkpocket 37kw	
6	02250154-405	4	cover, forkpocket 37kw	
7	02250155-285	4	isolator, vibration motor 37kw	
8	02250156-138	1	frame, base 1800/2200	
9	02250163-961	1	support, shipping mtr/unit 2200	
10	250038-448	1	adapter, unit to motor	
11	250040-319	2	grille, cplg guard compr/mtr	
12	825912-175	1	nut, hex metric m12 x 1.75	
13	828012-020	2	capscrew, hex 8.8 m12 x 20mm	
14	828012-040	2	capscrew, hex 8.8 m12 x 40mm	
15	828012-050	1	capscrew, hex gr5 3/8-16 x 1 1/4	
16	829106-125	7	capscrew, hex gr5 3/8-16 x 1 1/4	
17	829108-125	4	capscrew, hex gr5 1/2-13 x 1 1/4	
18	829705-075	6	screw, hex ser washer 5/16-18 x 3/4	
19	837806-094	7	washer, spr lock reg pltd 3/8	
20	837808-125	4	washer, spr lock reg pltd 1/2	
21	838812-250	5	washer, spr lock-metric pltd m12	
22	839608-060	3	screw, drive rd hd #8 x 3/8	
23	865412-240	6	washer, metric-iso7089- 12	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
24	866215-020	1	elbow, pipe 90 deg plt 1/2"	
25	866408-025	1	nipple, pipe-xs plt 1/2 x 2 1/2	
26	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
27		1	MOTOR	(I)
28		1	COMPRESSOR	(I) (II)
(I) This part may vary per machine design. Consult factory with machine serial number to determine the proper part number				
(II) Sullair offers an exchange program whereby a remanufactured compressor unit can be obtained from Sullair distributors or the factory at a lower cost than it would cost for the owner to repair the unit. For information regarding the unit exchange program, contact your nearest Sullair representative or the Sullair Corporation. The shaft seal is not considered part of the compressor unit in regard to the two year warranty, but the normal Sullair parts warranty does apply. For shaft seal repairs, order repair kit no. 02250155-594, and installation kit no. 001932-005				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.4 AIR INLET SYSTEM

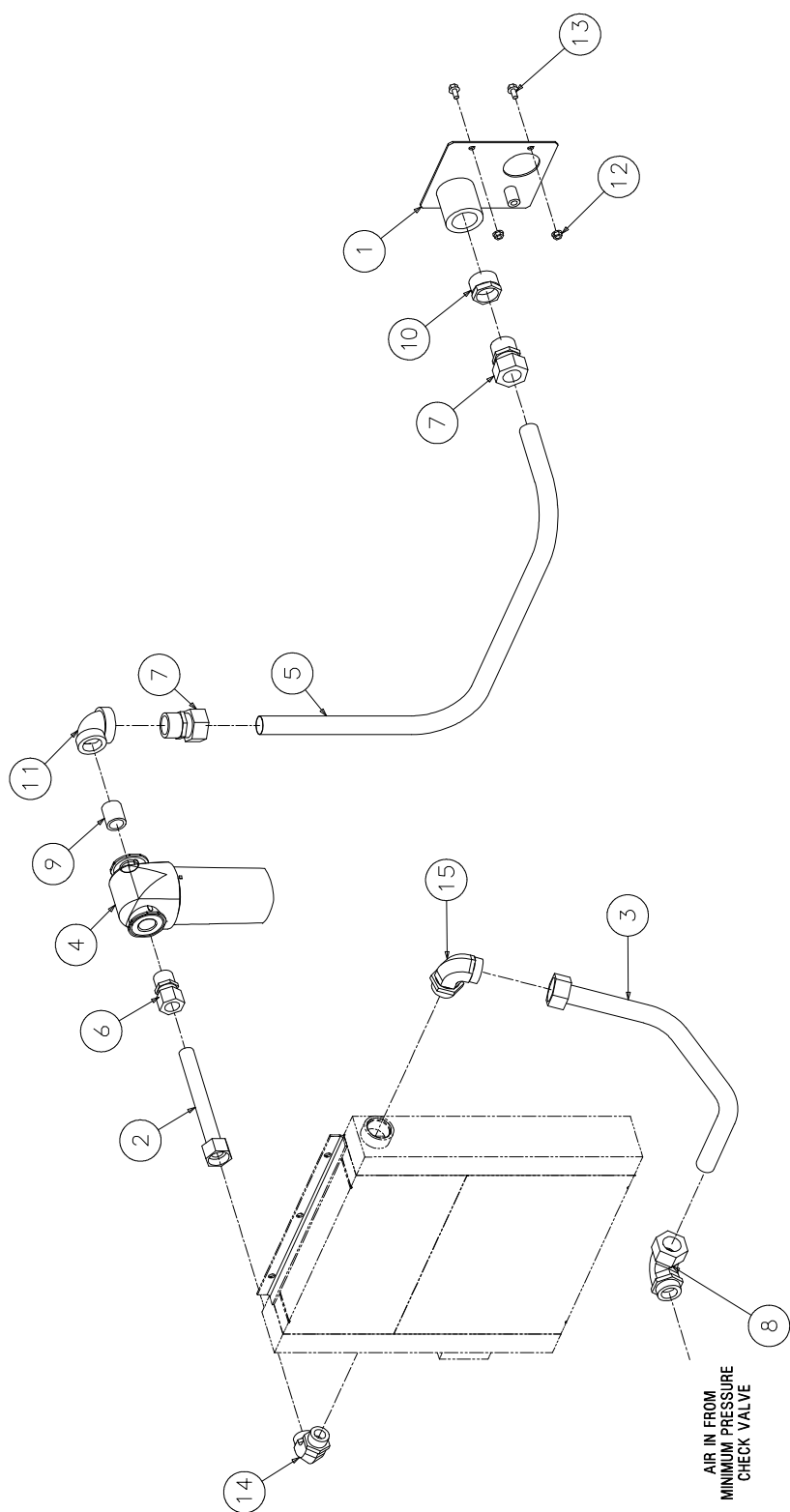


02250156-635R04

1.4 AIR INLET SYSTEM

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250125-369	1	filter, air 8"(plastic)w/mtg	(I)
2	02250162-347	1	clamp,hose o.d. 3.00	
3	02250163-998	1	elbow,rub 45deg 3.00"	
4	02250163-999	1	hose, hump red str 3.50 x 3.00	
5	02250164-008	1	tube,airinl p10	
6	250003-869	1	indicator, restriction 20" h20	(II)
7	250018-550	3	clamp, hose 2-13/16 to 3-3/4"	
8	250031-415	1	clamp, hose 2-13/16 to 3-3/4"	
9	866402-000	1	clamp, hose 4.25/3.31	(II)
10	882508-125	2	nipple,pipe-xs plt 1/8 x cl	
11	882608-025	2	screw, hex serr washer m8 x 25	
12	883008-016	1	screw, hex serr washer m8 x 25	
A1	To support bracket on air duct			
A2	To air inlet on compressor unit			
(I)	For maintenance on air filter No. 02250125-369, order replacement element 02250125-372, evacuator valve 02250125-376			
(II)	Not used with vacuum switch option			
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.5 AIR PIPING, AIR-COOLED



02250156-633R05

1.5 AIR PIPING, AIR-COOLED

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250152-215	1	support,outlet conn 1-1/2npt	
2	02250159-493	1	tube,orfs 1" aftrclr to moist sep	
3	02250166-561	1	tube,orfs 1-1/4" mpv/aftrclr	
4	02250167-115	1	separator, water scws-235n 1" l/ad	
5	02250167-608	1	tube, 1-1/4" discharge p10	
6	810216-100	1	connector, tube-m 1 x 1	
7	810220-125	2	connector, tube-m 1 1/4 x 1 1/4	
8	811620-162	1	elbow, tube str thrd 1 1/4 x 1 5/8	
9	866416-000	1	nipple,pipe-xs plt 1 x cl	
10	867106-050	1	bushing,red pltd 1 1/2 x 1 1/4	
11	869205-040	1	elbow, red 1 1/4 x 1 150# plt	
12	882508-125	2	nut,serr flng m8 x 1.25	
13	882608-016	2	screw, hex serr washer m8 x 16	
14	883633-016	1	elbow,met st thd/orfs m33 x 1	
15	883642-020	1	elbow,met st thd/orfs m42 x 1 1/4	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.6 AIR PIPING WITH INTEGRAL DRYER



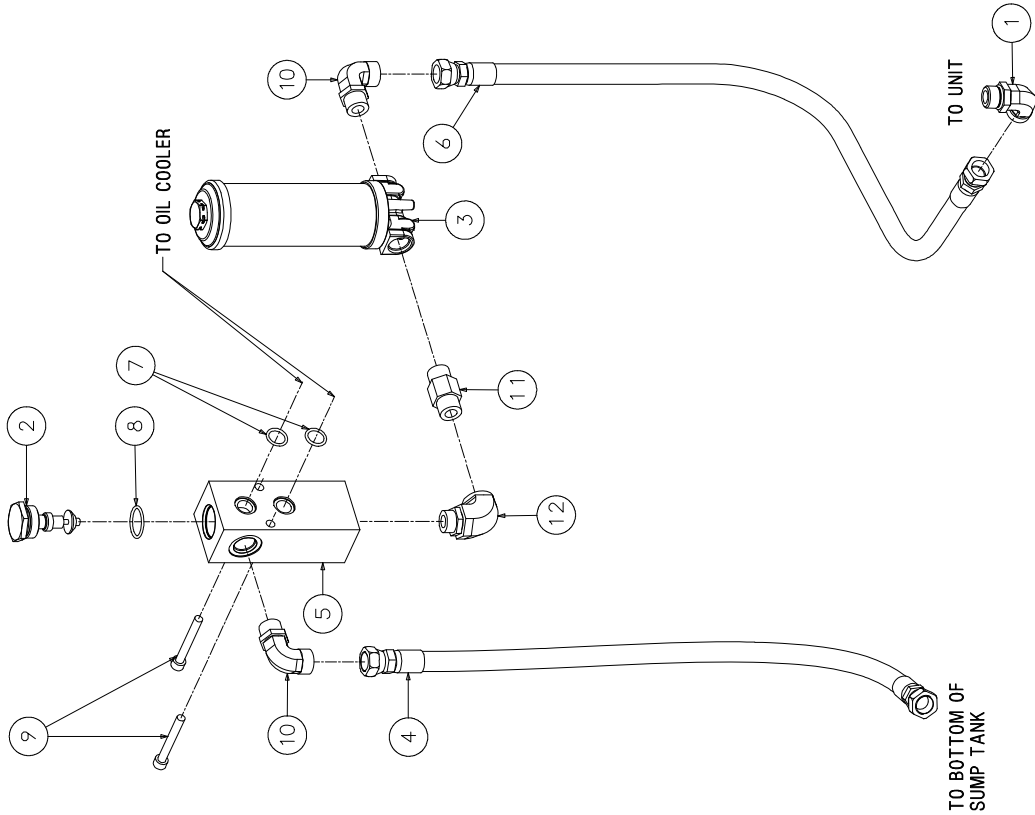
PARTS LIST

1.6 AIR PIPING WITH INTEGRAL DRYER

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250159-493	1	tube,orfs 1" aftrclr to moist sep	
2	02250166-561	1	tube,orfs 1-1/4" mpv/aftrclr	
3	02250167-115	1	separator, water scws-235n 1" l/ad	
4	02250168-568	1	support,outlet conn 1"nptf 2200 dryer	
5	02250168-852	1	hose, air moistsep to evap	
6	02250173-002	1	hose, air evap to airout brkt	
7	810216-100	1	connector, tube-m 1 x 1	
8	811620-162	1	elbow, tube str thrd 1 1/4 x 1 5/8	
9	860116-100	1	connector,37 fl/mpt pltd 1 x 1	
10	860216-100	2	elbow, 37fl 90m 1 x 1	
11	868906-040	1	bushing,red hex pltd 1 1/2 x 1	
12	875816-016	1	elbow, 37 sw 90m 1 x 1	
13	878416-131	1	union,37fl bhd 1"	
14	882508-125	2	nut,serr flng m8 x 1.25	
15	883008-016	2	screw, tf-hex m8 x 16 blk zinc	
16	883633-016	1	elbow,met st thd/orfs m33 x 1	
17	883642-020	1	elbow,met st thd/orfs m42 x 1 1/4	
A1: PACKAGE DISCHARGE PRESSURE P2				
A2: TO AFTERCOOLER				
A3: FROM MINIMUM PRESSURE VALVE				
A4: FROM AFTERCOOLER				
A5: FROM MOISTURE DRAIN				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
A6: CUSTOMER AIR OUT CONNECTION				
A7: COMPRESSOR AIR IN TO EVAPORATOR				
A8: COMPRESSOR AIR OUT FROM EVAPORATOR				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

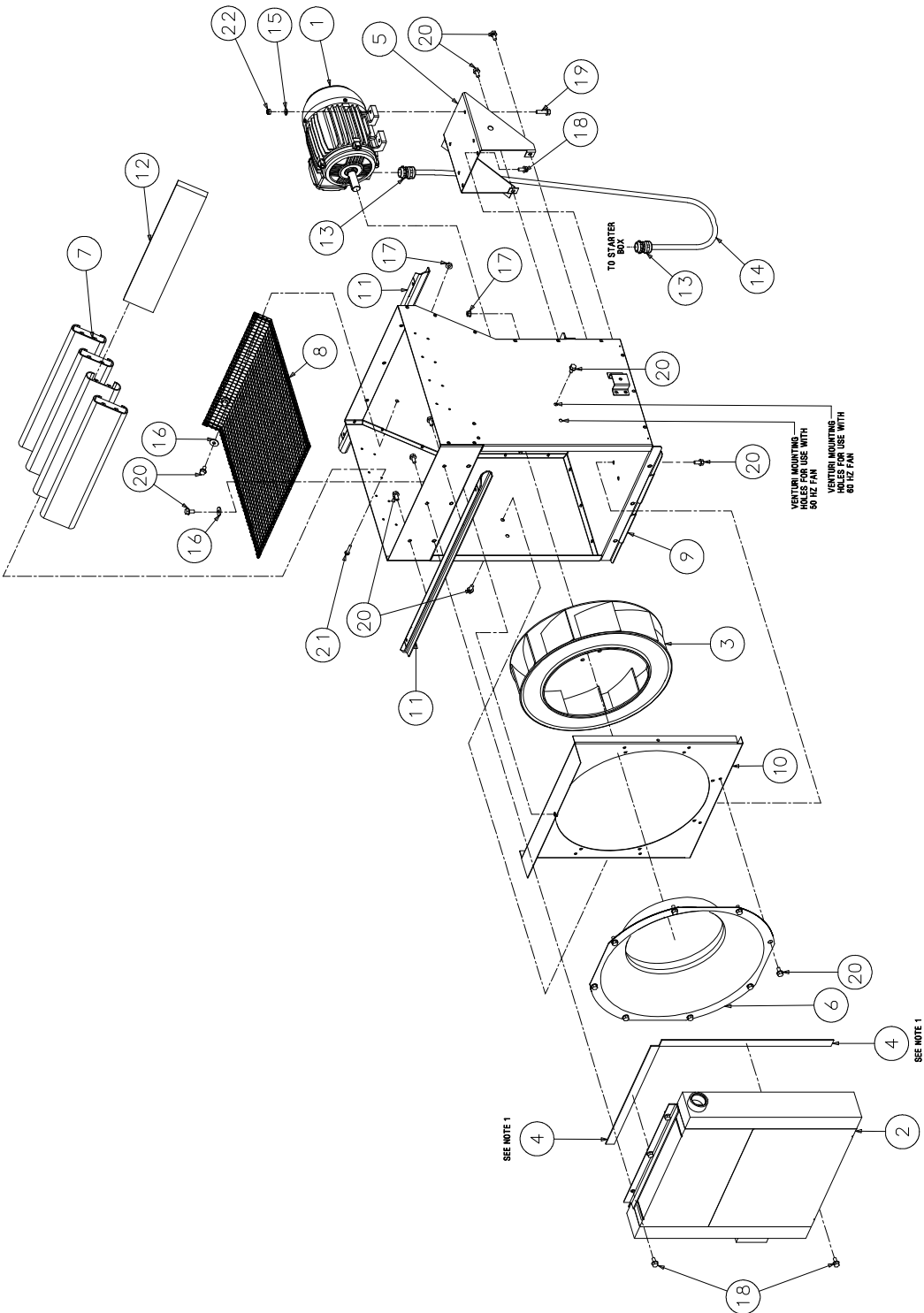
1.7 FLUID PIPING, AIR-COOLED



1.7 FLUID PIPING, AIR-COOLED

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250099-766	1	elbow, 90 sae x orfs .75"	
2	02250148-796	1	valve, thermal 210f 1 1/2-18	
3	02250155-708	1	filter, coreless m27 6"l	
4	02250156-909	1	hose, medium pressure orfs f-swvl 3/4" x 33"	
5	02250157-222	1	housing, thrm vlv 2200	
6	02250161-751	1	hose, medium pressure orfs f-swvl 3/4" x 37"	
7	826502-211	2	o-ring, viton 13/16 x 1/8"	
8	826502-219	1	o-ring, viton 1 5/16 x 1/8"	
9	829310-080	2	screw, socket iso 4762 m10 x 80mm	
10	883627-012	2	elbow, met st thd/orfs m27 x 3/4	
11	883727-012	1	union, str thd iso 6149 m27 x 2	
12	884227-012	1	elbow, met st thd mxf m27	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.8 COOLING AND LUBRICATION SYSTEM, AIR-COOLED CENTRIFUGAL FAN, 50/60HZ/30HP, 50HZ/25HP

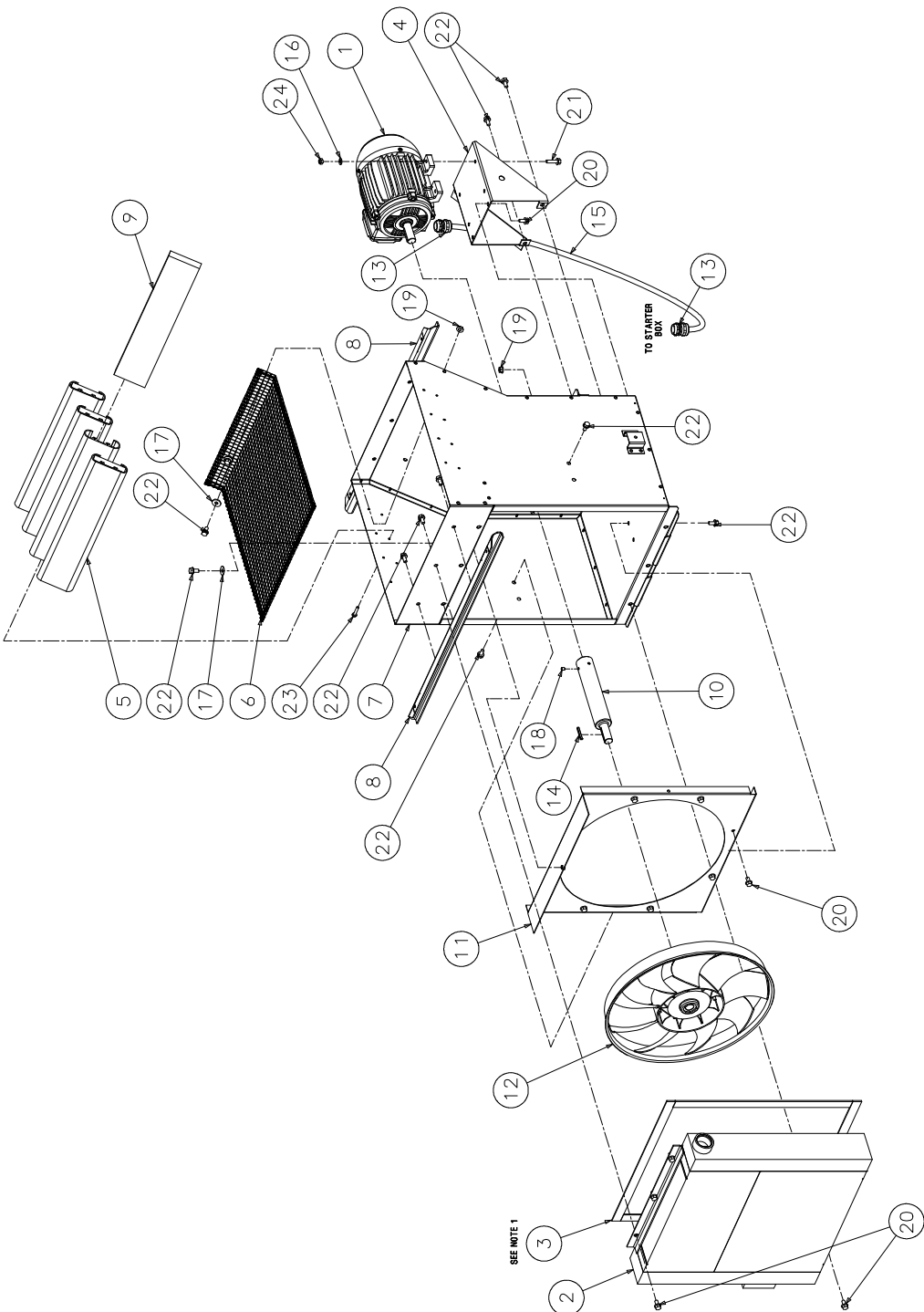


02250156-995-R05

1.8 COOLING AND LUBRICATION SYSTEM, AIR-COOLED CENTRIFUGAL FAN, 50/60HZ/30HP, 50HZ/25HP

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	-	1	motor, 1hp	
2	02250156-137	1	cooler, air/oil p10 std	
3	02250156-637	1	fan, cooling es8 16" 60 hz	
4	02250058-345	7	strip, weather 1" x 1/8" foam (ft)	
5	02250154-721	1	support, motor fan 1800/2200	
6	02250156-639	1	venturi, es8 16"	
7	02250160-429	4	louver, extruded 18kw 500.0 lng	
8	02250160-452	1	guard, fan discharge p8 p10	
9	02250160-536	1	duct, centrifugal fan p8 p10	
10	02250160-543	1	panel, venturi p8/p10	
11	02250160-566	2	support, airoc p8 p10	
12	02250162-492	4	insulation, foam acous louver p8 p10	
13	250018-497	2	grip, cord for so 12/4 st 3/4"	
14	850604-012	8	wire, neoprene #12-4 so (ft)	
15	865408-170	4	washer, metric-iso7089- 8	
16	865708-240	3	washer, iso 7093-8-140hv	
17	882508-125	4	nut, serr fling m8 x 1.25	
18	882608-016	8	screw, hex serr washer m8 x 16	
19	882608-030	4	screw, hex serr washer m8 x 30	
20	883008-016	22	screw, tf-hex m8 x 16 blk zinc	
21	883306-030	16	screw, plastic pilot m6 x 30	
22	884708-125	4	nut, hex locking m8	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.9 COOLING AND LUBRICATION SYSTEM, AIR-COOLED AXIAL FAN, 60HZ/25HP



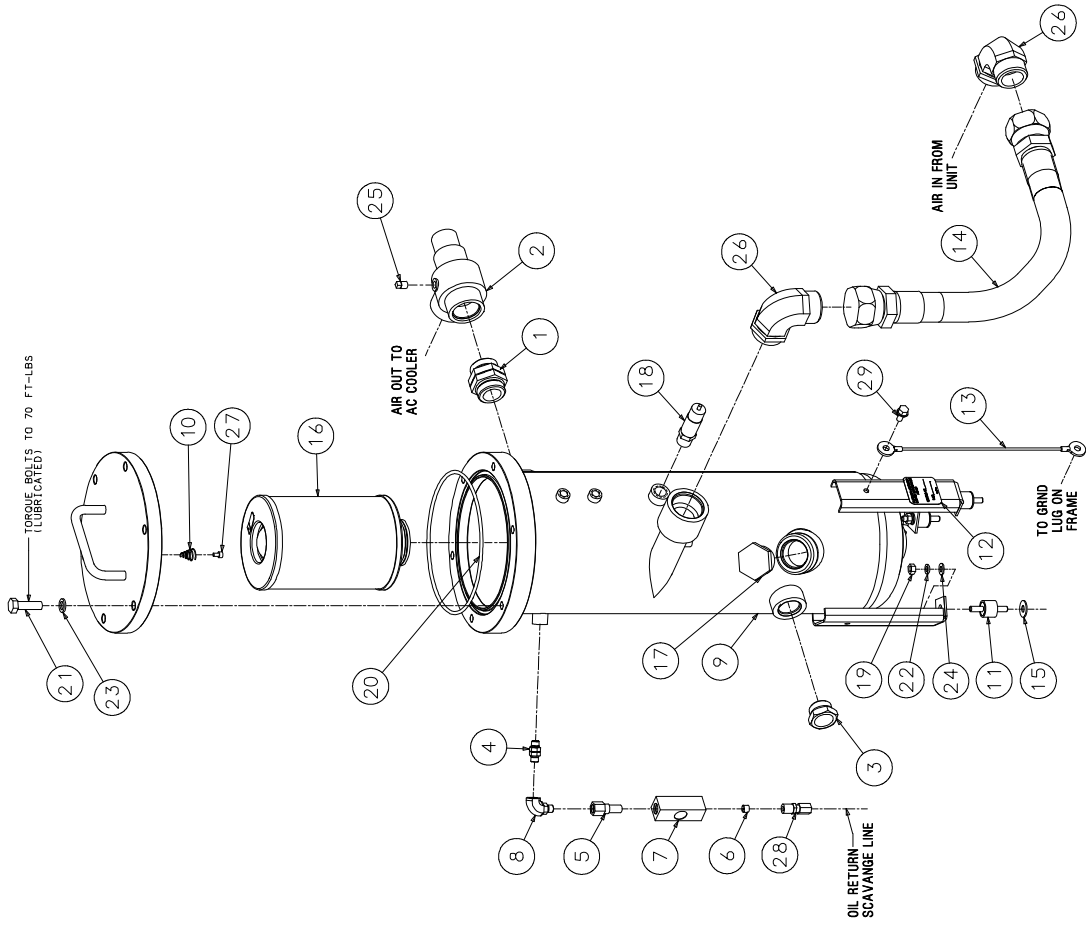
02250 173-351-R02

1.9 COOLING AND LUBRICATION SYSTEM, AIR-COOLED AXIAL FAN, 60HZ/25HP

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	-	1	motor, fan 1hp 4p tee	
2	02250156-137	1	cooler,air/oil p10 std	
3	02250058-345	7	strip,weather 1" x 1/8" foam (ft)	
4	02250154-721	1	support, motor fan 1800/2200	
5	02250160-429	4	louver,extruded 18kw 500.0 lng	
6	02250160-452	1	guard, fan discharge p8 p10	
7	02250160-536	1	duct,centrifugal fan p8 p10	
8	02250160-566	2	support,airoc p8 p10	
9	02250162-492	4	insulation,foam acous louver p8 p10	
10	02250167-452	1	drive,output shaft fan	
11	02250171-617	1	panel, venturi p8/p10	
12	02250173-084	1	fan, 18" nylon 9-blade axial	
13	250018-497	2	grip,cord for so 12/4 st 3/4"	
14	821103-150	1	key, square cl1 3/16" x 1 1/2	
15	850604-012	8	wire, neoprene #12-4 so (ft)	
16	865408-170	4	washer, metric-iso7089- 8	
17	865708-240	3	washer, iso 7093-8-140hv	
18	874904-038	2	screw, set cup 1/4 x 3/8 plt	
19	882508-125	4	nut,serr flng m8 x 1.25	
20	882608-016	16	screw, hex serr washer m8 x 16	
21	882608-030	4	screw, hex serr washer m8 x 30	
22	883008-016	14	screw, tf-hex m8 x 16 blk zinc	
23	883306-030	16	screw, plastic pilot m6 x 30	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
24	884708-125	4	nut,hex locking m8	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.10 DISCHARGE, SEPARATOR/SUMP TANK AND PIPING SYSTEM



02250156-632-R03

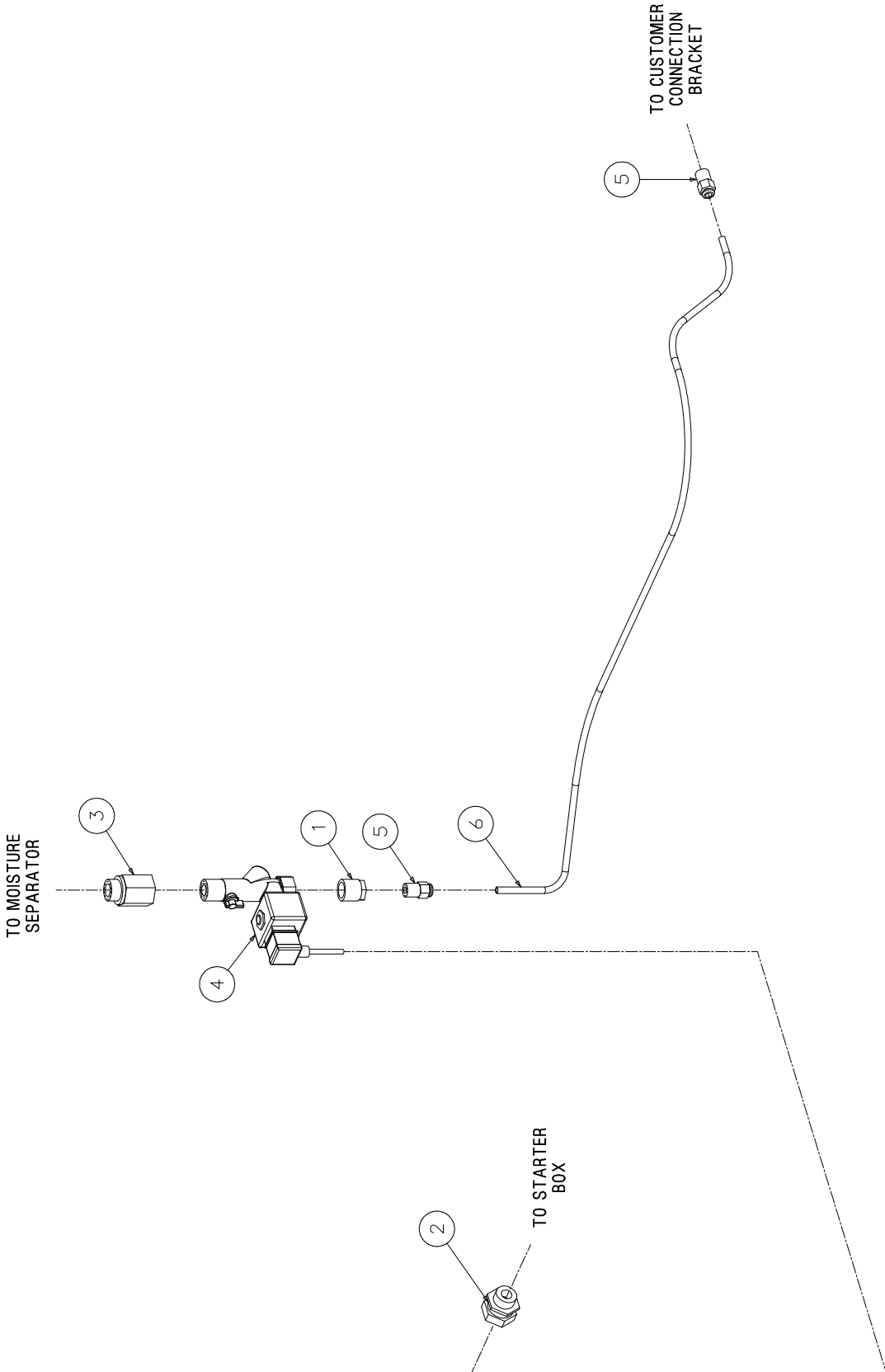
1.10 DISCHARGE, SEPARATOR/SUMP TANK AND PIPING SYSTEM

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250055-015	1	adapter, sae 1 5/8-12 x 1 5/8-12	
2	02250097-609	1	valve, min pressure check 1 5/8" sae -	
3	02250097-610	1	plug, sight glass 1 5/16" sae 00	
4	02250101-783	1	adapter, sae 7/16 x 7/16-20	
5	02250117-782	1	filter, assembly screen filter	
6	02250125-774	1	orifice, plug brass 1/8" npt x 1/32"	
7	02250126-129	1	sight glass, orf block sae	
8	02250152-798	1	elbow, sae 1/4" (7/16-20) m x f	
9	02250155-599	1	tank, separator 1800/2200	
10	02250155-720	1	spring, conical oil sep ground ws	
11	02250156-379	3	isolator, vibration ws 30/37/45 rec tnk	
12	02250156-944	1	decal, continuity check ws37	
13	02250157-450	1	wire, 10 gage ground bond 12" m8	
14	02250157-596	1	hose, l.p. f-swvl jic 1.5 x 21"l	
15	02250159-433	3	gasket, frame/isolator 2200 viton	
16	02250160-773	1	element, sep round 5.5d x 9.0lng	
17	040029	1	plug, o-ring boss sae 1 1/4	
18	250006-938	1	valve, pressure relief 200 psig	
19	825908-125	3	nut, hex metric m8 x 1.25	
20	826502-369	1	o-ring, viton 8 x 3/16"	
21	828012-040	6	capscrew, hex 8.8 m12 x 40mm	
22	838808-200	3	washer, spr lock-metric pltd m8	
23	838812-250	6	washer, spr lock-metric pltd m12	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
24	865408-170	3	washer, metric-iso7089- 8	
25	866900-005	1	plug, pipe 1/8" 3000# stl plt	
26	870624-024	2	connector, 90d str x jic 1 7/8 x 1 7/8	
27	874505-008	1	screw, socket iso m5 x 8mm pc 12.9	
28	876804-025	1	connector, tube-m 1/4 x 1/4 ss	
29	883008-016	1	screw, tf-hex m8 x 16 blk zinc	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

MOISTURE DRAIN—STANDARD

1.11 MOISTURE DRAIN—STANDARD



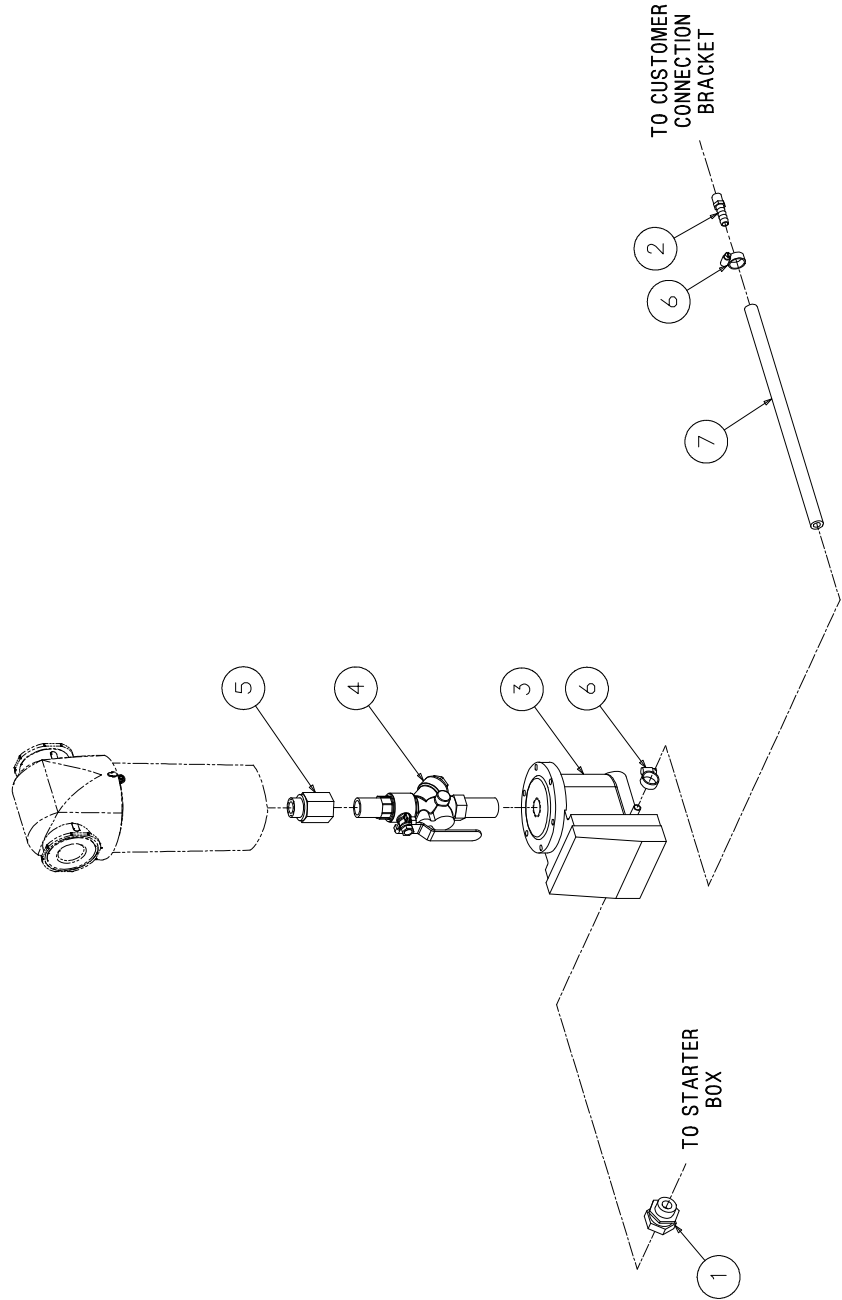
02250171-765-R00

1.11 MOISTURE DRAIN—STANDARD

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250046-110	1	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	
5	250025-859	2	connector, male 1/4tube x 1/4	
6	842215-004	3	hose, nylon 1/4"	
SERVICE KITS FOR 02250170-783				
02250171-243 COIL,JCL 24 VDC 16W 50/60HZ				
02250171-245 KIT,DRAIN VALVE SERVICE				
02250171-483 CABLE,PWR REPL DRN VLV				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

MOISTURE DRAIN—SCD

1.12 MOISTURE DRAIN—SCD



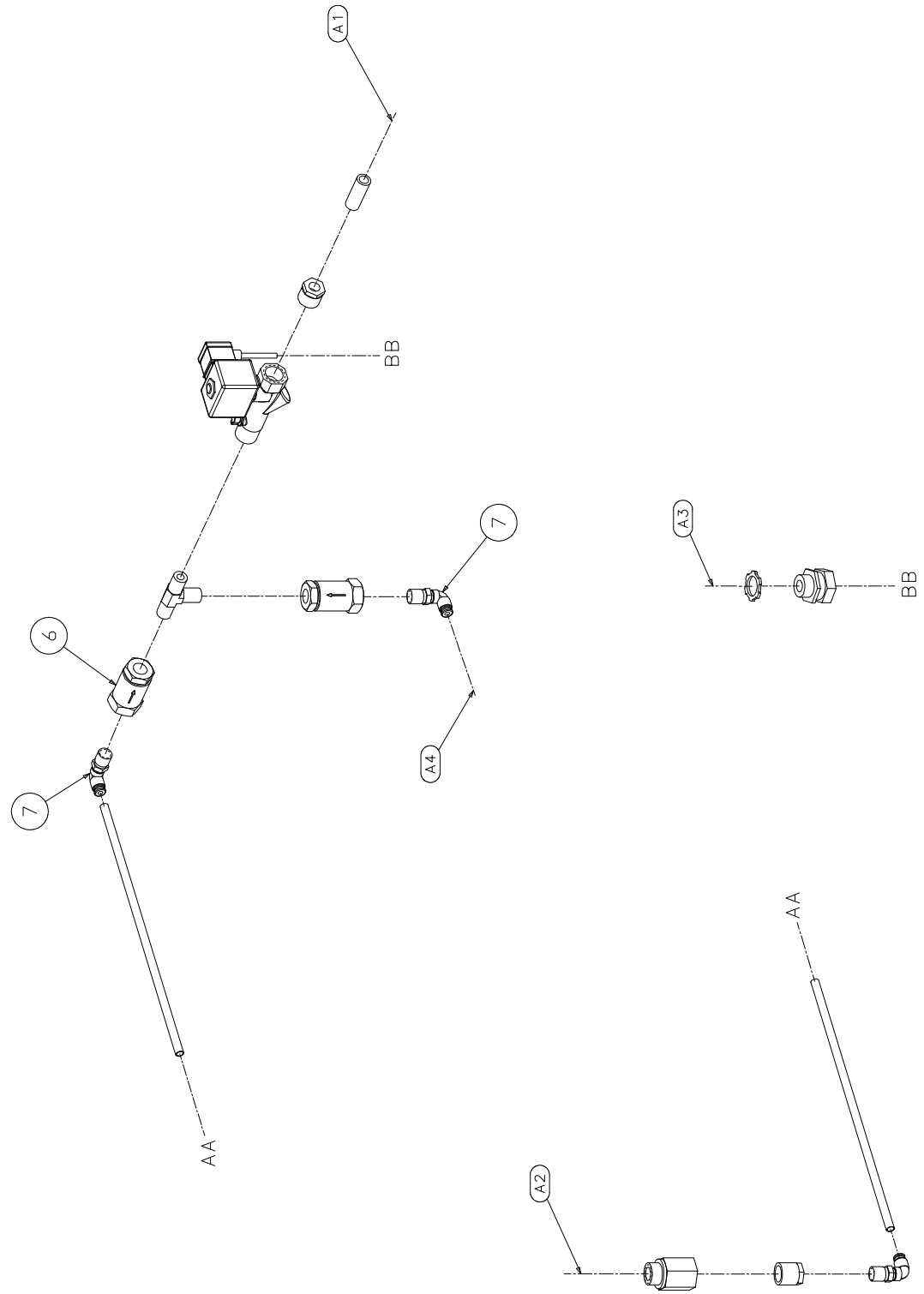
02250163-488-R03



1.12 MOISTURE DRAIN—SCD

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250071-381	1	grip, cord n4 .250-.375 x 1/2"	
2	02250093-815	1	connector, hose barb 5/16" hose x 1/8" npt	
3	02250111-686	1	drain,scd200 136cfm	
4	02250144-841	1	valve,ball/smr 1/2m x 1/2m	
5	02250167-603	1	adapter,1/2m bspp-1/2f npt brass	
6	047235	2	clamp, hose 3/8" -	
7	842315-031	2	hose,fuel line 5/16 (ft)	
A1	Prior to installation of SCD drain option, remove separator bowl from moisture separator and remove the brass adaptor installed in the bottom of the bow			
A2	To starter box			
A3	To customer connection bracket			
A4	SCD drain not available with integral dryer			
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.13 MOISTURE DRAIN, AIR-COOLED WITH INTEGRAL DRYER

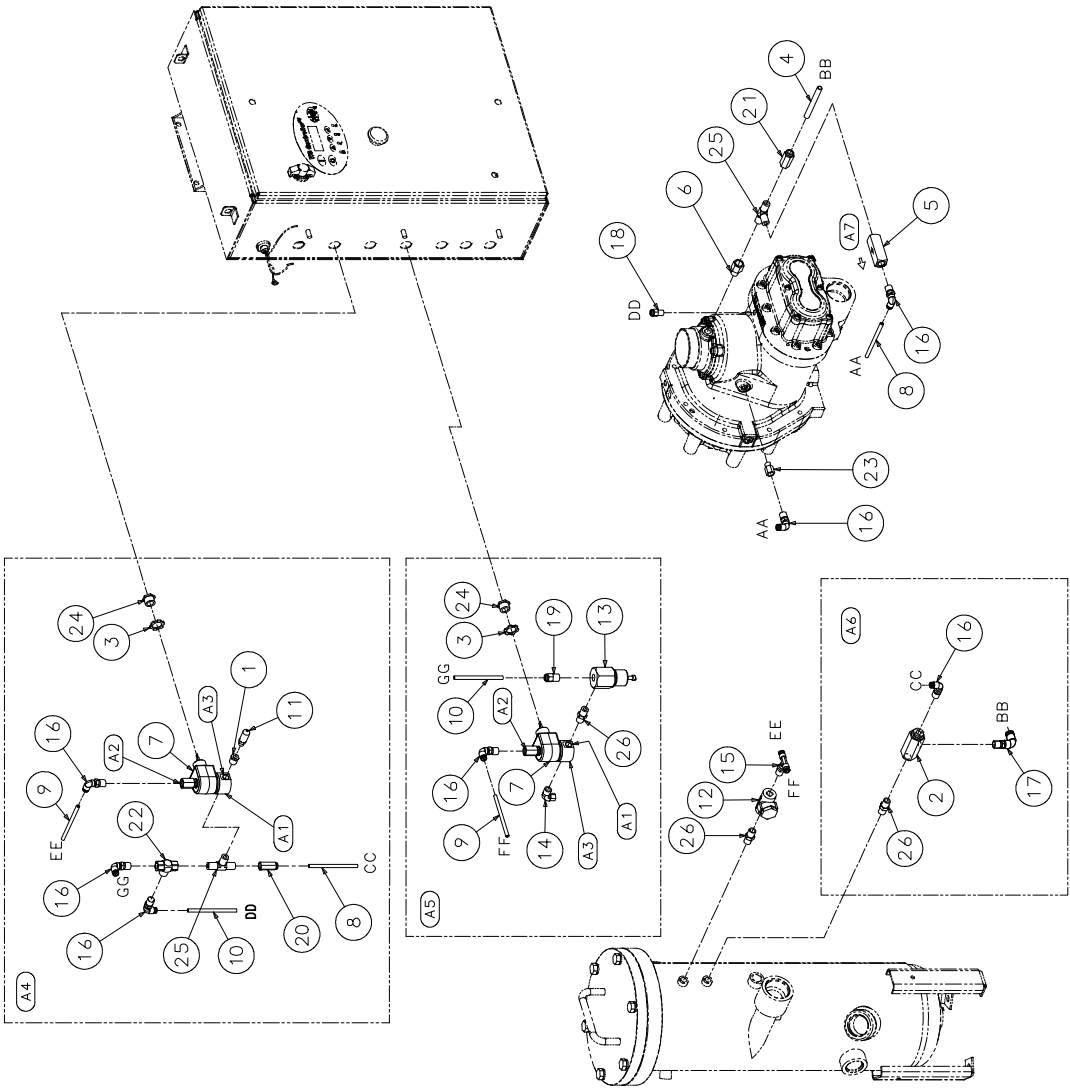


02250170-758 R01

1.13 MOISTURE DRAIN, AIR-COOLED WITH INTEGRAL DRYER

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250046-110	1	bushing, red-brs-1/2"x1/4"	
2	02250071-362	1	locknut, n4 conduit sealing	
3	02250071-380	1	grip, cord n4 .187-.250 x 1/2"	
4	02250167-603	1	adapter, 1/2m bsp-1/2f npt plated steel	
5	02250170-783	1	valve, drain combo 24 vdc	
6	049905	1	valve, check 1/4"	
7	250025-850	3	elbow, 90deg m swvl 1/4t x 1/4 npt	
8	842215-004	5	hose, nylon 1/4(ft)	
9	866304-015	1	nipple, pipe pltd 1/4 x 1 1/2	
10	868902-010	1	bushing, red hex pltd 1/2 x 1/4	
11	868902-010	1	tee, male pipe brass 1/4	
A1	TO AIROUT BRACKET			
A2	FROM WATER SEPERATOR			
A3	TO BOTTOM OF STARTER BOX			
A4	FROM REFRIGERANT EVAPORATOR CONDENSATE HOSE			
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.14 PNEUMATIC CONTROL SYSTEM—NYLON



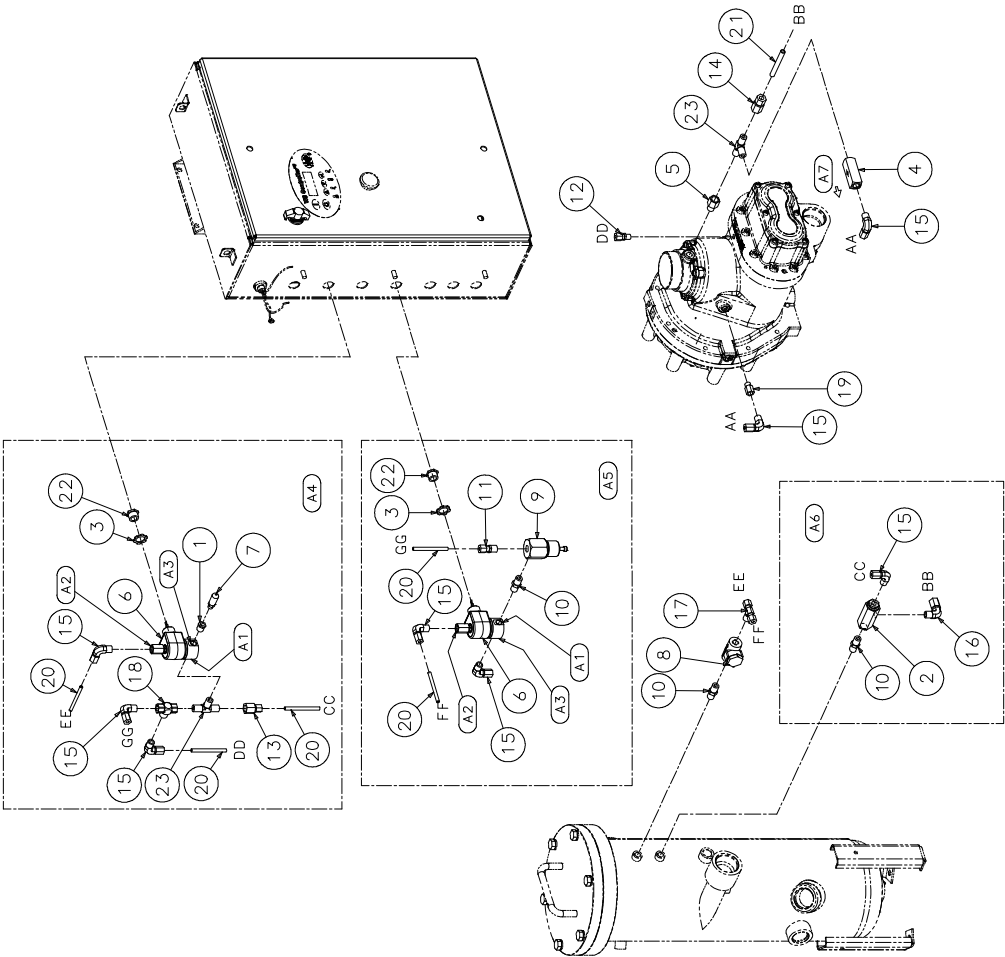
PARTS LIST

1.14 PNEUMATIC CONTROL SYSTEM—NYLON

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250049-634	1	valve, blowdown 1/4 npt hi prs	
2	02250071-362	2	locknut, n4 conduit sealing	
3	02250099-630	3	tube, nylon .375"od x .050w black (ft)	
4	02250115-272	1	valve, check 1/4" poppet style	
5	02250118-586	1	orifice,.078 .25 fnpt x .25 mnpt	
6	02250155-714	2	valve, solenoid 3wno 1/4 250# 24vdc	(I)
7	02250155-961	3	tbg, nylon 1/4"-od red	
8	02250155-962	3	tbg, nylon 1/4"-od blue	
9	02250155-963	3	tbg, nylon 1/4"-od yellow	
10	241771	1	strainer, v-type 300psix1/4	(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	7	elbow, 90deg m swvl 1/4t x 1/4 npt	
15	250025-852	1	elbow, 90deg m swvl 3/8 t x1/4	
16	250025-858	1	connector, male 1/4tube x 1/8	
17	250025-859	1	connector, male1/4tube x 1/4	
18	250025-923	1	connector, fem tube 1/4 x 1/4 nptf	
19	250025-926	1	connector, fem tube 3/8 x 1/4 nptf	
20	250025-926	1	valve, shuttle 1/4" npt (dbl chk)	
21	811502-025	1	adapter, fem pipe 1/4" x 7/16"-20	
22	847815-050	2	adapter, fem pipe 1/4" x 7/16"-20	
23	869825-025	2	tee, male pipe brass 1/4	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
24	881304-025	3	nipple, pipe-hx brass 1/4 x 1/4	
A1	Port 2			
A2	Port 3			
A3	Load control subassembly			
A4	Sequencing subassembly			
A5	Blowdown subassembly			
A6	Flow			
(I) For maintenance on solenoid valve no. 02250155-714, order repair kit no. 02250157-500 and replacement coil no. 02250157-502				
(II) For maintenance on strainer no. 241771, order repair kit no. 241772				
(III) For maintenance on pressure regulator no. 250017-280, order repair kit no. 250019-453				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.15 PNEUMATIC CONTROL SYSTEM—STAINLESS STEEL

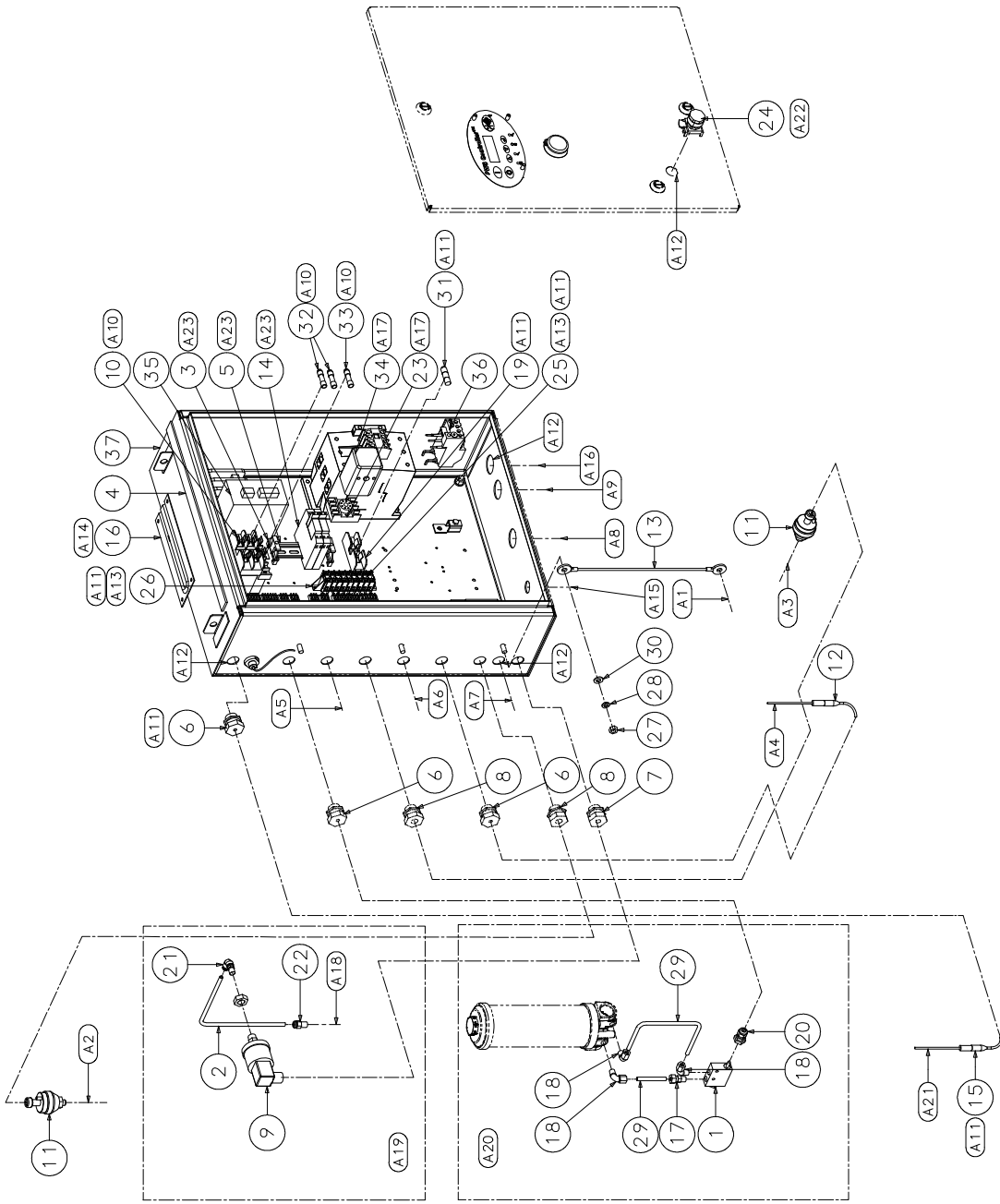


1.15 PNEUMATIC CONTROL SYSTEM—STAINLESS STEEL

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250046-101	1	bushing, red brs 1/4 x 1/8	
2	02250049-634	1	valve, blowdown 1/4 npt hi prs	
3	02250071-362	2	locknut, n4 conduit sealing	
4	02250115-272	1	valve, check 1/4" poppet style	
5	02250118-586	1	orifice, .078 .25 frpt x .25 mnpt	
6	02250155-714	2	valve, solenoid 3wno 1/4 250# 24vdc	
7	02250173-972	1	filter, pneumatic 1/8" npt 5micr	
8	241771	1	strainer, v-type 300psix1/4	
9	250017-280	1	valve, pressure regulator	
10	250018-760	3	nipple, hx tbe 316s 1/4"	
11	250139-016	1	connector, tube-m 1/4 swgk 316s	
12	250139-024	1	connector, tube-m 1/4 x 1/8 316s	
13	250139-044	1	connector, tube-f 1/4 swgk 316s	
14	250139-053	1	connector, tube-f 3/8 x 1/4 316s	
15	250211-005	8	elbow, tube-m 1/4" swgk 316ss	
16	250211-017	1	elbow, tube-m 3/8t x 1/4p swg ss	
17	250591-002	1	tee, tube-m branch 1/4 swg ss	
18	408893	1	valve, shuttle 1/4" npt (dbl chk)	
19	811502-025	1	adapter, fem pipe 1/4 x 7/16-20	
20	841215-004	6	tubing, stnls stl 1/4 20ga ft	
21	841215-006	3	tubing, stnls stl 3/8 20ga ft	
22	847815-050	2	nipple, chase cond 1/2	
23	869825-025	2	tee, male pipe brass 1/4	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
A1-	PORT 2			
A2-	PORT 3			
A3-	PORT 1			
A4-	SUBASSEMBLY, LOAD CONTROL			
A5-	SUBASSEMBLY, SEQUENCING			
A6-	SUBASSEMBLY, BLOWDOWN			
A7-	FLOW DIRECTION			
	SERVICE KITS FOR 241771			
	241772 KIT, REP STRAINER-V-TYPE			
	SERVICE KITS FOR 250017-280			
	250019-453 KIT, REPAIR PRESS REG VALVE			
	SERVICE KITS FOR 02250155-714			
	02250157-500 KIT, SOL VLV 3WNO 24VDC			
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.16 CONTROL SYSTEM AND ELECTRICAL PARTS, MFV



02250156-917-R04

1.16 CONTROL SYSTEM AND ELECTRICAL PARTS, MFV (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250050-154	1	switch, differential pressure 20psid 12ft or	
2	02250054-861	1	tube, nyl .25 od x 040w blk(ft)	
3	02250057-245	2	block, term end stop ch	
4	02250058-345	1	strip, weather 1" x 1/8" foam (ft)	
5	02250060-705	1	rail, din 35mm (meters)	
6	02250071-379	3	grip, cord n4 .125-.187 x 1/2"	
7	02250071-380	1	grip, cord n4 .187-.250 x 1/2"	
8	02250071-381	2	grip, cord n4 .250-.375 x 1/2"	
9	02250078-249	1	switch, vacuum 22"wc n4 6ft cable 5a	
10	02250083-182	1	transformer, control 50va univ w/prt fh	
11	02250155-174	2	transducer, pressure 0-250# ratiometric	
12	02250155-175	1	probe, rtd 100 ohm plat 3.5"x 6ft	
13	02250157-450	1	wire, 10 gage ground bond 12" m8	
14	02250158-377	2	relay, sptd din 10a 24vdc coil	
15	02250175-087	1	probe, thermister 3000 ohm ntc 12"l	
16	249008	1	heater, enclosure 50w	
17	250018-427	1	connector, 1/4" tube x 1/8" npt	
18	250018-429	3	elbow, 90 1/4" tube x 1/8" npt	
19	250019-771	1	holder, fuse 1p 30a 600v	
20	250023-496	1	connector, cord grip 0.09-0.26	
21	250025-849	1	elbow, 90deg m swvl 1/4t x 1/8npt	
22	250025-858	1	connector, male 1/4tube x 1/8	
23	250034-430	1	socket, 8pin 480v	

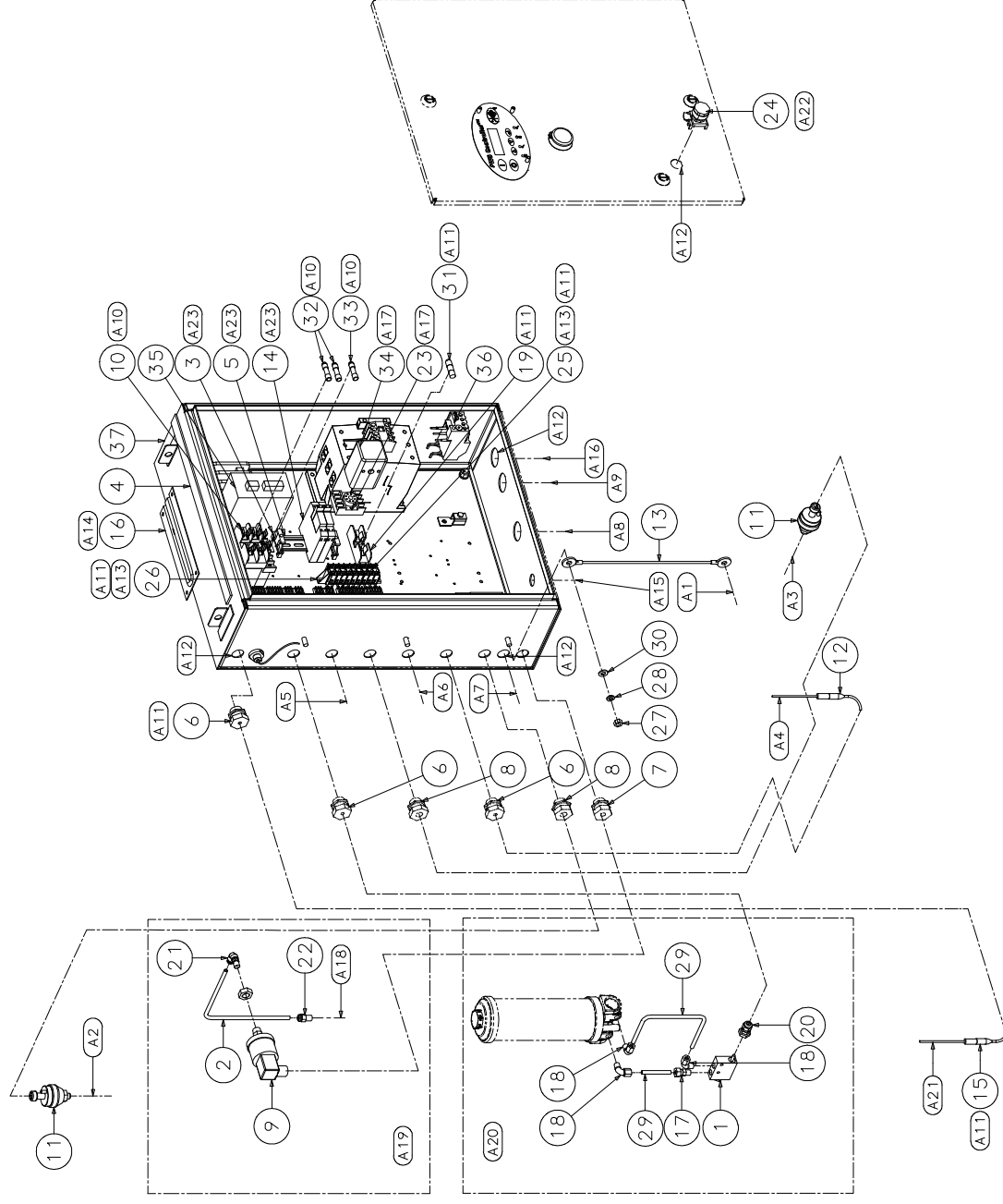
PLEASE NOTE: WHEN ORDERING PARTS,
INDICATE SERIAL NUMBER OF COMPRESSOR

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
24	250034-627	1	button, push non-illum blk n4x	
25	250041-102	3	block, terminal kt3	
26	250041-103	1	block, term adapter kad	
27	825908-125	6	nut, hex metric m8 x 1.25	
28	838808-200	6	washer, spr lock-metric pltd m8	
29	841215-004	1	tubing, st stl 1/4" 20ga	
30	865408-170	6	washer, metric-iso7089- 8	
31	FUSE, DRYER	1	various	
32	FUSE, PRI	2	various	
33	FUSE, SEC	1	various	
34	PHASE MNTR	1	various	
35	POWER SUPPLY	1	various	
36	RELAY, OVLD	1	various	
37	STARTER	RE LA Y	1 various	

Continued on page 37

PLEASE NOTE: WHEN ORDERING PARTS,
INDICATE SERIAL NUMBER OF COMPRESSOR

1.16 CONTROL SYSTEM AND ELECTRICAL PARTS, MFV (CONTINUED)



02250156-917-R04

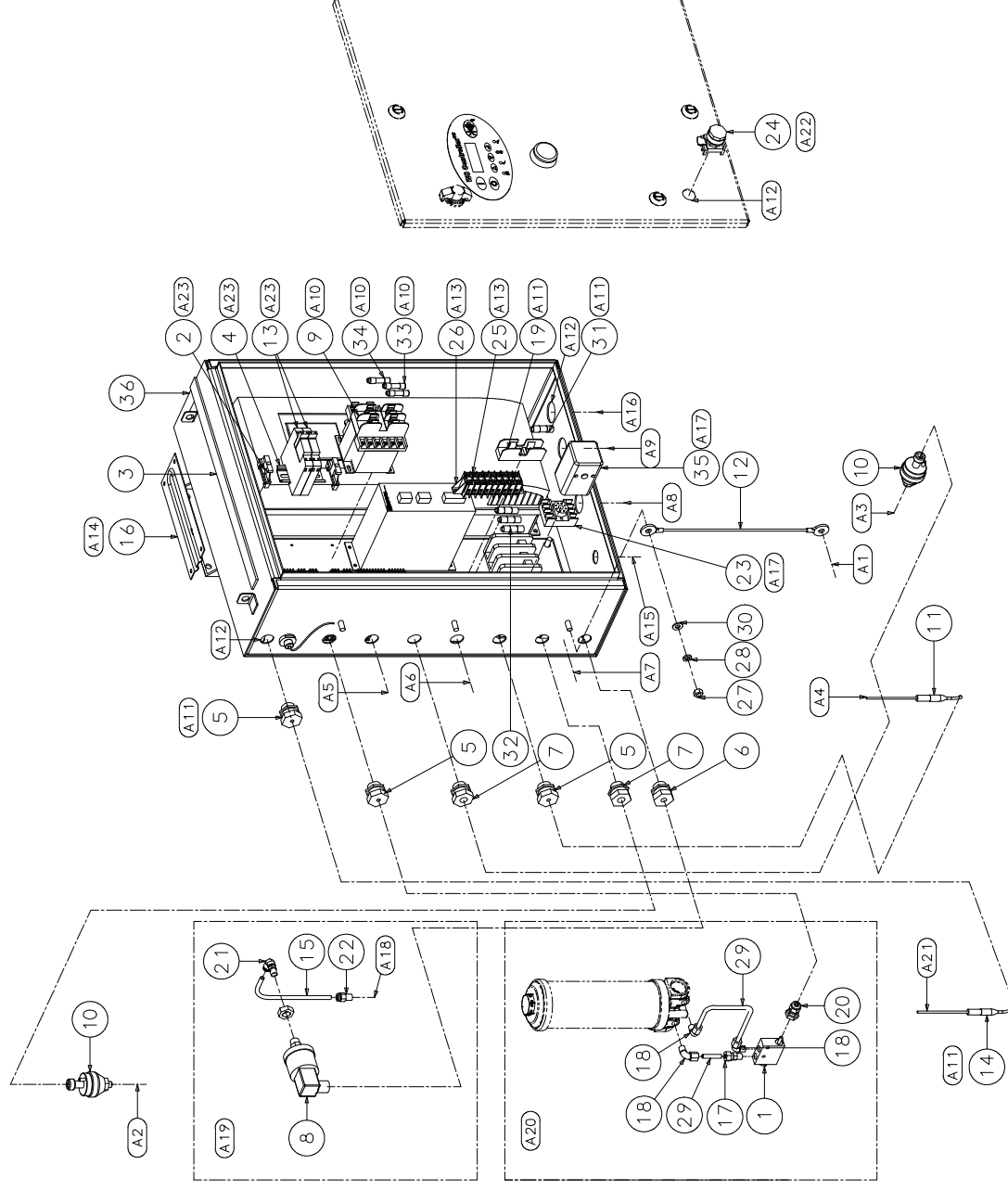
1.16 CONTROL SYSTEM AND ELECTRICAL PARTS, MFV

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
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 4			
A7:	SOLENOID 5-ELECTRIC DRAIN			
A8:	FAN MOTOR CONNECTION			
A9:	MOTOR WIRING			
A10:	SCD DRAIN OPTION			
A11:	DRYER OPTION			
A12:	HOLE TO BE DRILLED IN BOX AS NEEDED			
A13:	HEATER OPTIONS			
A14:	ENCLOSURE HEATER MOUNTED INSIDE TOP OF STARTER BOX			
A15:	DRYER CTL POWER - 24VDC			
A16:	DRYER COMPRESSOR MOTOR POWER			
A17:	PHASE MONITOR OPTION			
A18:	TO AIR FILTER			
A19:	INLET PRESSURE SWITCH OPTION MOUNT TO FAN MOTOR SUP- PORT			
A20:	DIFFERENTIAL PRESSURE SWITCH OPTION			
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
A21:	T3-TO INTEGRAL DRYER EVAPORATOR DRYER DEWPOINT TEM- PERATURE			
A22:	CSA OPTION			
A23:	OTHER OPTIONS			
Q1:	SEE ASSY DRAWINGS:			
	02250169-624 DWG, START P8/10 MFV TAB			
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

CONTROL SYSTEM AND ELECTRICAL PARTS, VSD

1.17 CONTROL SYSTEM AND ELECTRICAL PARTS, VSD

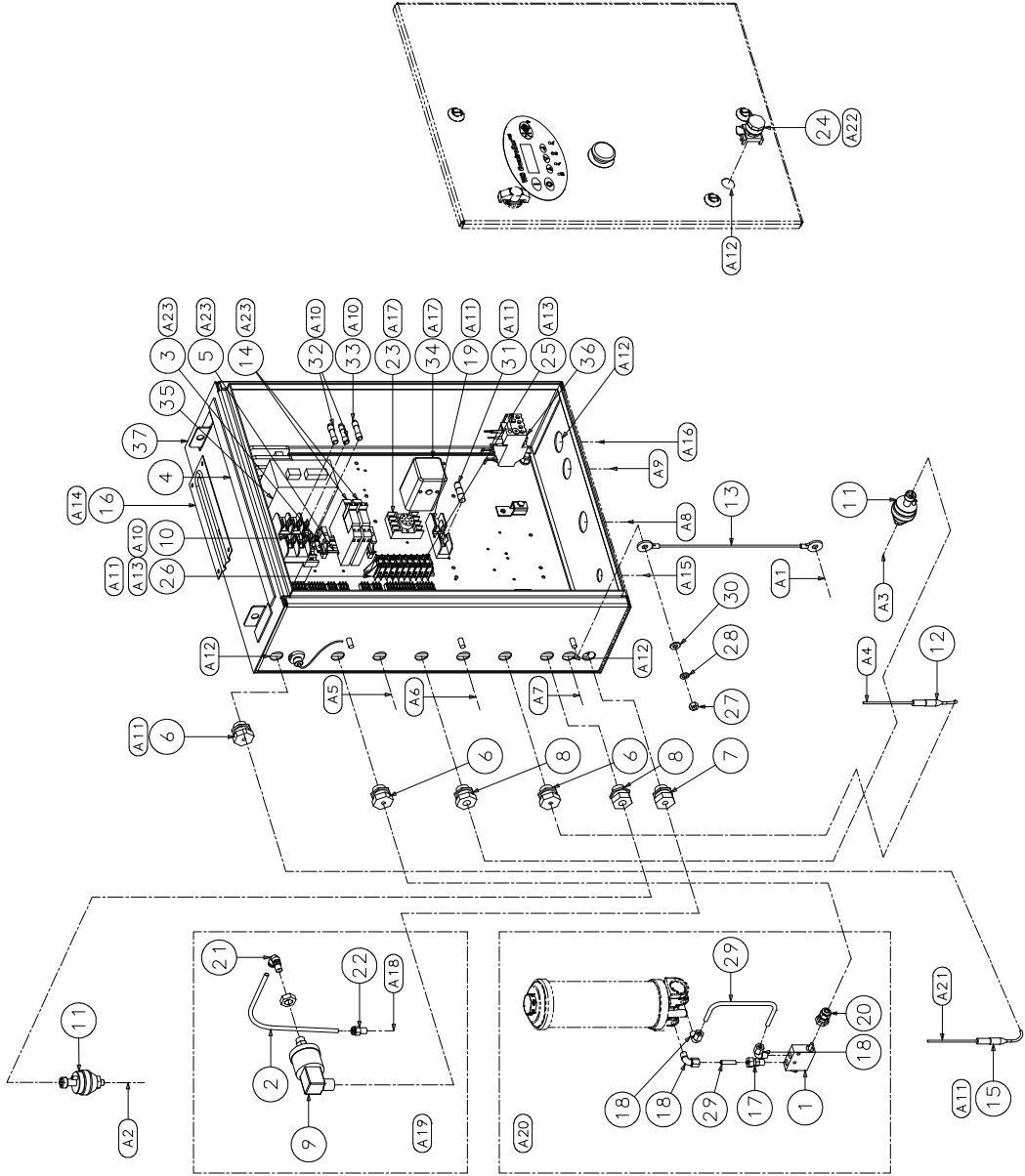


1.17 CONTROL SYSTEM AND ELECTRICAL PARTS, VSD

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250050-154	1	switch, differential pressure 20psid 12ft or	
2	02250057-245	2	block, term end stop ch	
3	02250058-345	1	strip, weather 1" x 1/8" foam (ft)	
4	02250060-705	1	rail, din 35mm (meters)	
5	02250071-379	3	grip, cord n4 .125-.187 x 1/2"	
6	02250071-380	1	grip, cord n4 .187-.250 x 1/2"	
7	02250071-381	2	grip, cord n4 .250-.375 x 1/2"	
8	02250078-249	1	switch, vacuum 22"wc n4 6ft cable 5a	
9	02250083-182	1	transformer, control 50va univ w/pri fn	
10	02250155-174	2	transducer, pressure 0-250# ratiometric	
11	02250155-175	1	probe, rtd 100 ohm plat 3.5" x 6ft	
12	02250157-450	1	wire, 10 gage ground bond 12" m8	
13	02250158-377	2	relay, sptd din 10a 24vdc coil	
14	02250175-087	1	probe, thermister 3000 ohm ntc 12'i	
15	0225054-861	1	tube, nyl .25 od xx 040w blk(ft)	
16	249008	1	heater, enclosure 50w	
17	250018-427	1	connector, 1/4" tube x 1/8" npt	-
18	250018-429	3	elbow, 90 1/4" tube x 1/8" npt	-
19	250019-771	1	holder, fuse 1p 30a 600v	
20	250023-496	1	connector, cord grip 0.09-0.26	
21	250025-849	1	elbow, 90deg m swl 1/4t x 1/8npt	
22	250025-858	1	connector, male 1/4tube x 1/8	
23	250034-430	1	socket, 8pin 480v	
24	250034-627	1	button, push non-illum blk n4x	
25	250041-102	3	block, terminal kt3	
26	250041-103	1	block, term adapter kad	
27	825908-125	6	nut, hex metric m8 x 1.25	
28	838808-200	6	washer, spr lock-metric pltd m8	
29	841215-004	1	tubing, st stl 1/4" 20ga	
30	865408-170	6	washer, metric-iso7089- 8	
31	FUSE, DRYER	1	various	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
32	FUSE, FAN	3	various	
33	FUSE, PRI	2	various	
34	FUSE, SEC	1	various	
35	PHASE	1	Starter assy/various	
36	STARTER	1	Relay ovid/various	
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 4				
A7: SOLENOID 5-ELECTRIC DRAIN				
A8: FAN MOTOR CONNECTION				
A9: MOTOR WIRING				
A10: SCD DRAIN OPTION				
A11: DRYER OPTION				
A12: HOLE TO BE DRILLED IN BOX AS NEEDED				
A13: HEATER OPTIONS				
A14: ENCLOSURE HEATER MOUNTED INSIDE TOP OF STARTER BOX				
A15: DRYER CTL POWER - 24VDC				
A16: DRYER COMPRESSOR MOTOR POWER				
A17: PHASE MONITOR OPTION				
A18: TO AIR FILTER				
A19: INLET PRESSURE SWITCH OPTION MOUNT TO FAN MOTOR SUPPORT				
A20: DIFFERENTIAL PRESSURE SWITCH OPTION				
A21: T3-TO INTEGRAL DRYER EVAPORATOR DRYER DEWPOINT TEMPERATURE				
A22: CSA OPTION				
A23: OTHER OPTIONS				
Q1: SEE ASSY DRAWINGS:				
02250169-671 DWG, START P8/10 VSD TAB				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.18 CONTROL SYSTEM AND ELECTRIC PARTS, 230/460 WYE-DELTA

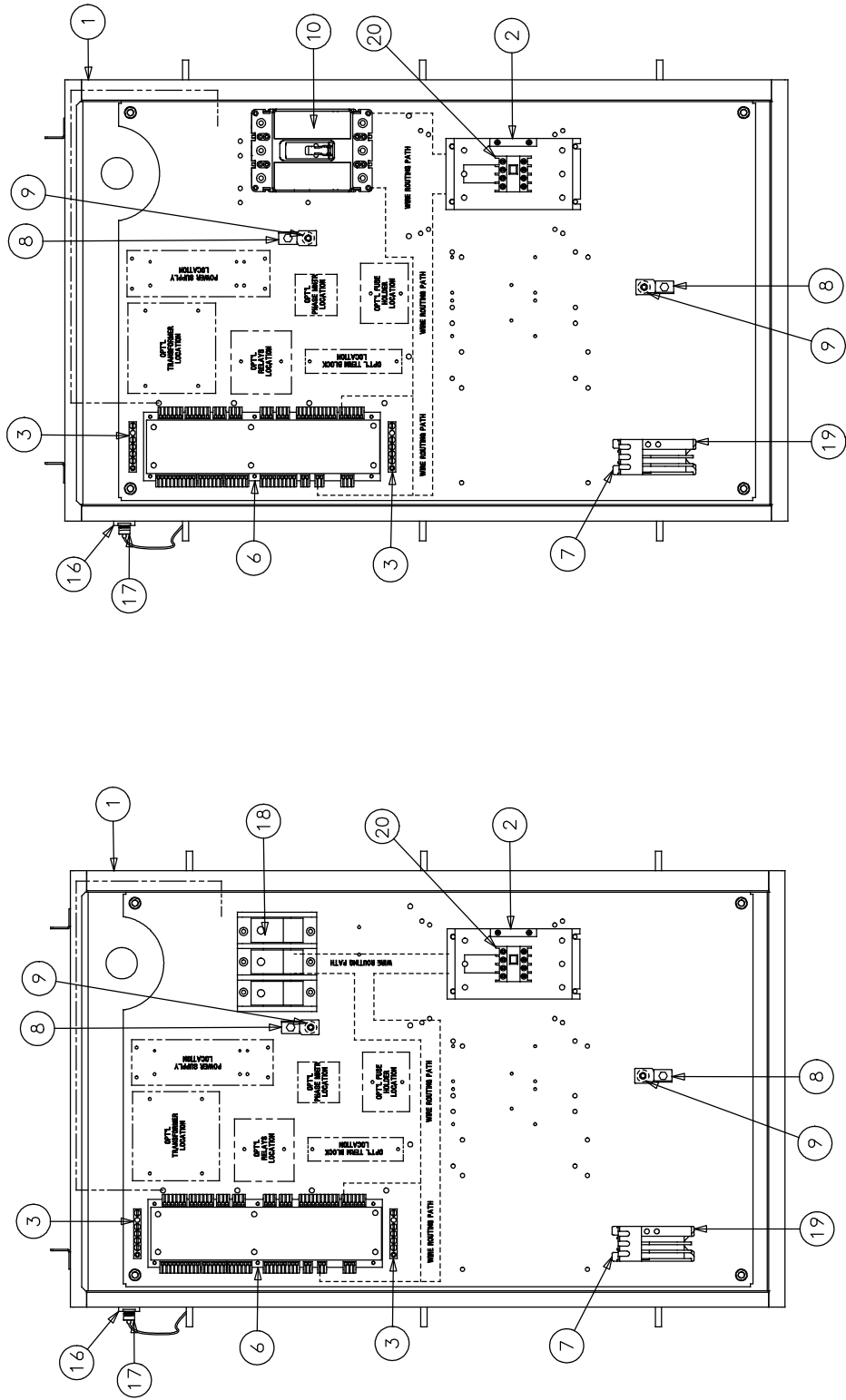


1.18 CONTROL SYSTEM AND ELECTRIC PARTS, 230/460 WYE-DELTA

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250050-154	1	switch, differential pressure 20psid 12ft or	
2	02250054-861	1	tube,nyl .25 od xx 040w blk(ft)	
3	02250057-245	2	block, term end stop ch	
4	02250058-345	1	strip,weather 1" x 1/8" foam (ft)	
5	02250060-705	1	rail,din 35mm (meters)	
6	02250071-379	3	grip, cord n4 .125-.187 x 1/2"	
7	02250071-380	1	grip, cord n4 .187-.250 x 1/2"	
8	02250071-381	2	grip, cord n4 .250-.375 x 1/2"	
9	02250078-249	1	switch, vacuum 22"wc n4 6ft cable 5a	
10	02250083-182	1	transformer, control 50va univ w/pri fh	
11	02250155-174	2	transducer, pressure 0-250# ratiometric	
12	02250155-175	1	probe,rtd 100 ohm plat 3.5"x 6ft	
13	02250157-450	1	wire,10 gage ground bond 12" m8	
14	02250158-377	2	relay,sptd din 10a 24vdc coil	
15	02250175-087	1	probe,thermister 3000 ohm ntc 121	
16	249008	1	heater, enclosure 50w	
17	250018-427	1	connector,1/4" tube x 1/8" npt	-
18	250018-429	3	elbow, 90 1/4"tube x 1/8" npt	-
19	250019-771	1	holder,fuse 1p 30a 600v	
20	250023-496	1	connector, cord grip 0.09-0.26	
21	250025-849	1	elbow,90deg m swl 1/4t x 1/8npt	
22	250025-858	1	connector, male 1/4tube x 1/8	
23	250034-430	1	socket, 8pin 480v	
24	250034-627	1	button, push non-illum blk n4x	
25	250041-102	3	block,terminal kt3	
26	250041-103	1	block,term adapter kad	
27	825908-125	6	nut,hex metric m8 x 1.25	
28	838808-200	6	washer, spr lock-metric pltd m8	
29	841215-004	1	tubing, st stl 1/4" 20ga	
30	865408-170	6	washer, metric-iso7089- 8	
31	FUSE,DRYER	1	various	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
32	FUSE,PRI	2	various	
33	FUSE,SEC	1	various	
34	PHASE	1	r various	
35	POWER	1	ply various	
36	RELAY,OVLD	1	Starter assy/various	
37	STARTER	1	Relay ovid/various	
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 4				
A7: SOLENOID 5-ELECTRIC DRAIN				
A8: FAN MOTOR CONNECTION				
A9: MOTOR WIRING				
A10: SCD DRAIN OPTION				
A11: DRYER OPTION				
A12: HOLE TO BE DRILLED IN BOX AS NEEDED				
A13: HEATER OPTIONS				
A14: ENCLOSURE HEATER MOUNTED INSIDE TOP OF STARTER BOX				
A15: DRYER CTL POWER - 24VDC				
A16: DRYER COMPRESSOR MOTOR POWER				
A17: PHASE MONITOR OPTION				
A18: TO AIR FILTER				
A19: INLET PRESSURE SWITCH OPTION MOUNT TO FAN MOTOR SUPPORT				
A20: DIFFERENTIAL PRESSURE SWITCH OPTION				
A21: T3-TO INTEGRAL DRYER EVAPORATOR DRYER DEWPOINT TEMPERATURE				
A22: CSA OPTION				
A23: OTHER OPTIONS				
Q1: SEE ASSY DRAWINGS:				
02250169-665 DWG:START P8/10 YD N4 TAB				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.19 CONTROL STARTER—MFV

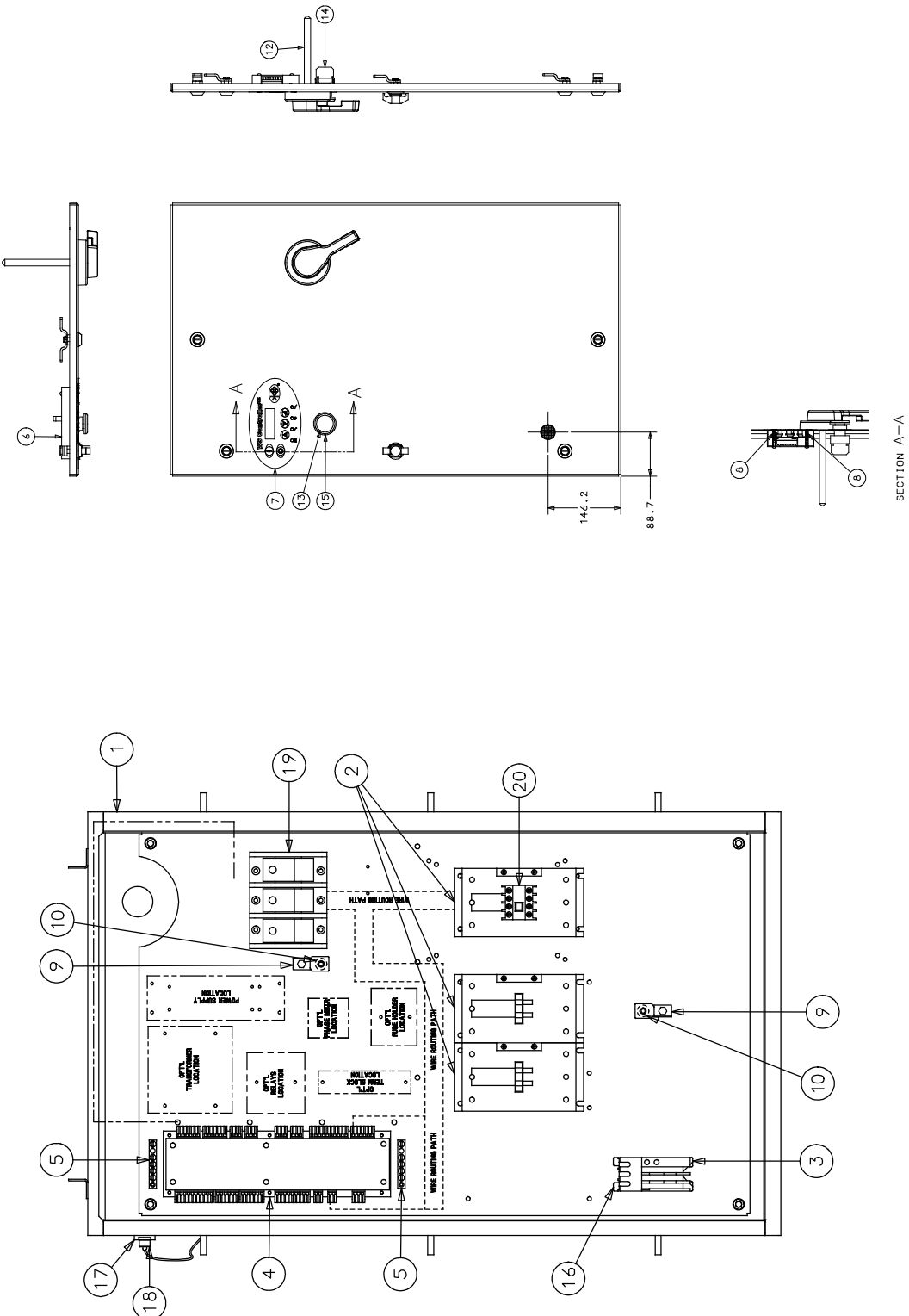


1.19 CONTROL STARTER—MFV

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 1NO 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

1	1	1	1	1	1	1	02250167-849	20	BLK,AUX CONT 1NO 1NC FRONT
1	1	1	1	1	1	1	250021-692	19	RELAY,OVERLOAD 32A
1	1	1	1	1	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	02250159-549	17	CAP,S4 PROGRAM PORT NEMA 6P
1	1	1	1	1	1	1	02250159-547	16	RCPT,S4 PROGRAM PORT NEMA 6P
1	1	1	1	1	1	1	02250081-473	15	NPL,YELLOW RING 45MM E-STOP
1	1	1	1	1	1	1	250027-125	14	BLOCK, CONTACT 1 N.C
1	1	1	1	1	1	1	02250085-504	13	SW,PB OPER RED40MM PUSH-TWIST
1	1	1	1	1	1	1	02250154-359	12	DECAL,MICROPROCESSOR OVERLAY
1	1	1	1	1	1	1	250014-127	11	KIT, CIR BRKR DISCONNECT N4
1	1	1	1	1	1	1	250014-827	10	CB, 100A HMCP
2	2	2	2	2	2	2	—	9	WASHER,LOCK EXTERNAL TOOTH 5/16"
2	2	2	2	2	2	2	—	8	LUG, GROUND
1	1	1	1	1	1	1	250021-694	7	ADAPTER,O.L.R. BASE MNT
1	1	1	1	1	1	1	02250154-052	6	CTL,I/O MOD WS 24VDC
4	4	4	4	4	4	4	02250161-759	5	SPCR,.25DIA X .41 LONG — ALUM
1	1	1	1	1	1	1	02250154-051	4	CTL,DISPLAY WS
2	2	2	2	2	2	2	02250101-721	3	BAR, GROUND 5 POST
1	1	1	1	1	1	1	02250167-822	2	CNTOR,400A 3P 24VDC XT
1	1	1	1	1	1	1	02250167-821	2	CNTOR,225A 3P 24VDC XT
1	1	1	1	1	1	1	02250167-820	2	CNTOR,150A 3P 24VDC XT
1	1	1	1	1	1	1	02250170-760	2	CNTOR,115A 3P 24VDC XT
1	1	1	1	1	1	1	02250167-819	2	CNTOR,95A 3P 24VDC XT
1	1	1	1	1	1	1	02250170-761	2	CNTOR,80A 3P 24VDC XT
1	1	1	1	1	1	1	02250167-818	2	CNTOR,65A 3P 24VDC XT
1	1	1	1	1	1	1	02250169-621	1	SPEC. ENCL P12/16 22" X 36" X 10"
QTY							SULLAIR P/N	ITEM	DESCRIPTION

1.20 CONTROL STARTER—WYE-DELTA



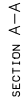
02250169-659R05

1.20 CONTROL STARTER—WYE-DELTA

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

3	—	3	3	—	02250167-849	20	BLK, AUX CONT 1NO 1NC FRONT
—	—	—	—	3	02250167-843	20	BLK, AUX CONT 1NO 1NC FRONT
—	1	1	—	—	02250145-194	19	BLOCK, POWER DISTRIBUTION 310 AMP
—	—	—	—	1	02250145-195	19	BLOCK, POWER DISTRIBUTION 175 AMP
1	1	1	1	1	02250159-549	18	CAP, S4 PROGRAM PORT NEMA 6P
1	1	1	1	1	02250159-547	17	RCPT, S4 PROGRAM PORT NEMA 6P
1	1	1	1	1	250021-694	16	ADAPTER, O.L.R. BASE MNT
1	1	1	1	1	02250081-473	15	NPL, YELLOW RING 45MM E-STOP
1	1	1	1	1	250027-125	14	BLOCK, CONTACT 1 N.C
1	1	1	1	1	02250085-504	13	SW, PB OPER RED40MM PUSH-TWIST
1	—	—	—	—	250014-127	12	KIT, CIR BKR DISCONNECT N4
1	—	—	—	—	250014-827	11	CB, 100A HMCP
2	2	2	2	2	—	10	WASHER, LOCK EXTERNAL TOOTH 5/16"
2	2	2	2	2	—	9	LUG, GROUND
4	4	4	4	4	02250161-759	8	SPACER, 6.35 DIA X 10.4 LONG ALUM
1	1	1	1	1	02250154-359	7	DECAL, MICROPROCESSOR OVERLAY
1	1	1	1	1	02250154-051	6	CTL, DISPLAY WS
2	2	2	2	2	02250101-721	5	BAR, GROUND 5 POST
1	1	1	1	1	02250154-052	4	CTL, I/O MOD WS 24VDC
1	1	1	1	1	250021-692	3	RELAY, OVERLOAD 32A
—	3	—	—	—	02250167-821	2	CNTOR, 225A 3P 24VDC XT
—	—	3	—	—	02250167-820	2	CNTOR, 150A 3P 24VDC XT
—	—	—	3	—	02250167-819	2	CNTOR, 95A 3P 24VDC XT
3	—	—	—	3	02250167-818	2	CNTOR, 65A 3P 24VDC XT
—	—	—	—	—	02250167-817	2	CNTOR, 32A 3P 24VDC XT
1	1	1	1	1	02250169-621	1	SPEC, ENCL P12/16 22" X 36" X 10"
QTY				SULLAIR P/N		ITEM	DESCRIPTION

1.21 CONTROL STARTER—VSD N12



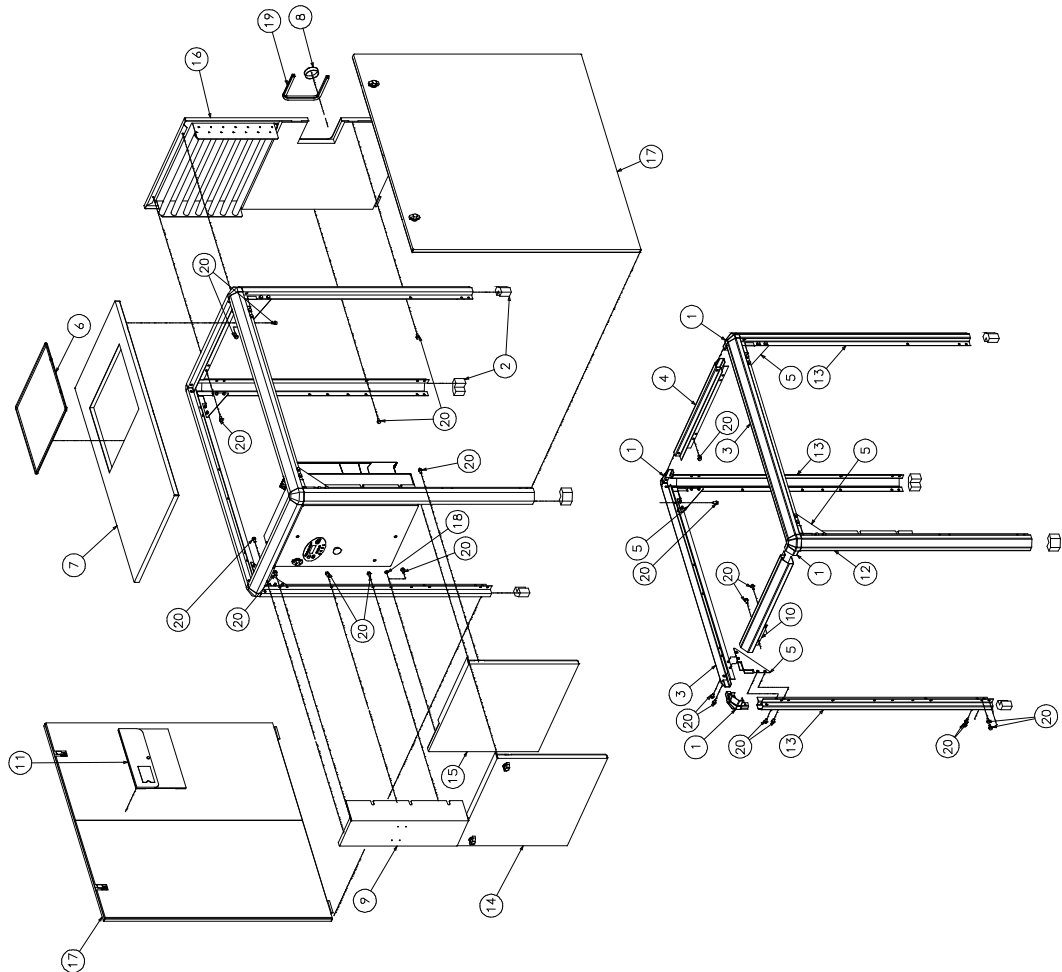
SULLAIR.

1.21 CONTROL STARTER—VSD N12

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

1	1	1	—	—	—	—	20	KIT,VSD MOUNTING FLANGE FRAME 8
—	—	1	1	1	1	—	20	KIT,VSD MOUNTING FLANGE FRAME 7
—	—	—	—	—	1	—	20	KIT,VSD MOUNTING FLANGE FRAME 6
—	—	—	—	—	1	02250168-819	19	PLATE,FILLER FOR VSD FRAME 6
—	—	1	1	1	1	02250168-820	18	PLATE,FILLER FOR VSD FRAME 7
—	—	—	1	1	1	02250122-036	17	SPLY,PWR 360-480AC/24VDC CH-IT
1	1	1	1	—	—	02250155-754	17	SPLY,PWR 575VAC/24VDC CH-IT
4	4	4	4	4	4	02250161-759	16	SPCR,.25DIA X .41 LONG - ALUM
1	1	1	1	1	1	02250159-549	15	CAP,S4 PROGRAM PORT NEMA 6P
1	1	1	1	1	1	02250159-547	14	RCPT,S4 PROGRAM PORT NEMA 6P
—	—	1	1	1	1	02250145-195	13	BLOCK,POWER DISTR 175A 2/0-#14AWG
1	1	1	1	1	1	02250081-473	12	NPL,YELLOW RING 45MM E-STOP
1	1	1	1	1	1	250027-125	11	BLOCK, CONTACT 1 N.C
1	1	1	1	1	1	02250085-504	10	SW,PB OPER RED40MM PUSH-TWIST
1	1	1	1	1	1	250019-773	9	HOLDER,FUSE KTK-R 3 POLE
1	1	1	1	1	1	02250154-359	8	DECAL,MICROPROCESSOR OVERLAY
2	2	2	2	2	2	—	7	WASHER LOCK EXTERNAL TOOTH 5/16"
2	2	2	2	2	2	—	6	LUG, GROUND
1	1	1	1	1	1	02250154-051	5	CTL,DISPLAY WS
1	1	1	1	1	1	02250170-668	4	BAR, GROUND 9 POST
1	1	1	1	1	1	02250154-052	3	CTL,I/O MOD WS 24VDC
1	—	—	—	—	—	02250165-108	2	DRIVE, VFD C-H 575V 100A NEMA12
—	—	—	—	—	1	02250157-716	2	DRIVE, VFD C-H 380/460V 61A NEMA12
—	—	—	—	1	—	02250157-717	2	DRIVE, VFD C-H 380/460V 72A NEMA12
—	—	—	—	1	—	02250157-718	2	DRIVE, VFD C-H 380/460V 87A NEMA12
—	—	—	1	—	—	02250157-719	2	DRIVE, VFD C-H 380/460V 105A NEMA12
—	—	1	—	—	—	02250157-725	2	DRIVE, VFD C-H 575V 52A NEMA12
—	1	—	—	—	—	02250157-726	2	DRIVE, VFD C-H 575V 62A NEMA12
—	1	—	—	—	—	02250157-727	2	DRIVE, VFD C-H 575V 80A NEMA12
1	1	1	1	1	1	02250168-846	1	SPEC, ENCL P8/10 22" X 36" X 10"
QTY							ITEM	DESCRIPTION
SULLAIR P/N								

1.22 ENCLOSURE, AIR-COOLED

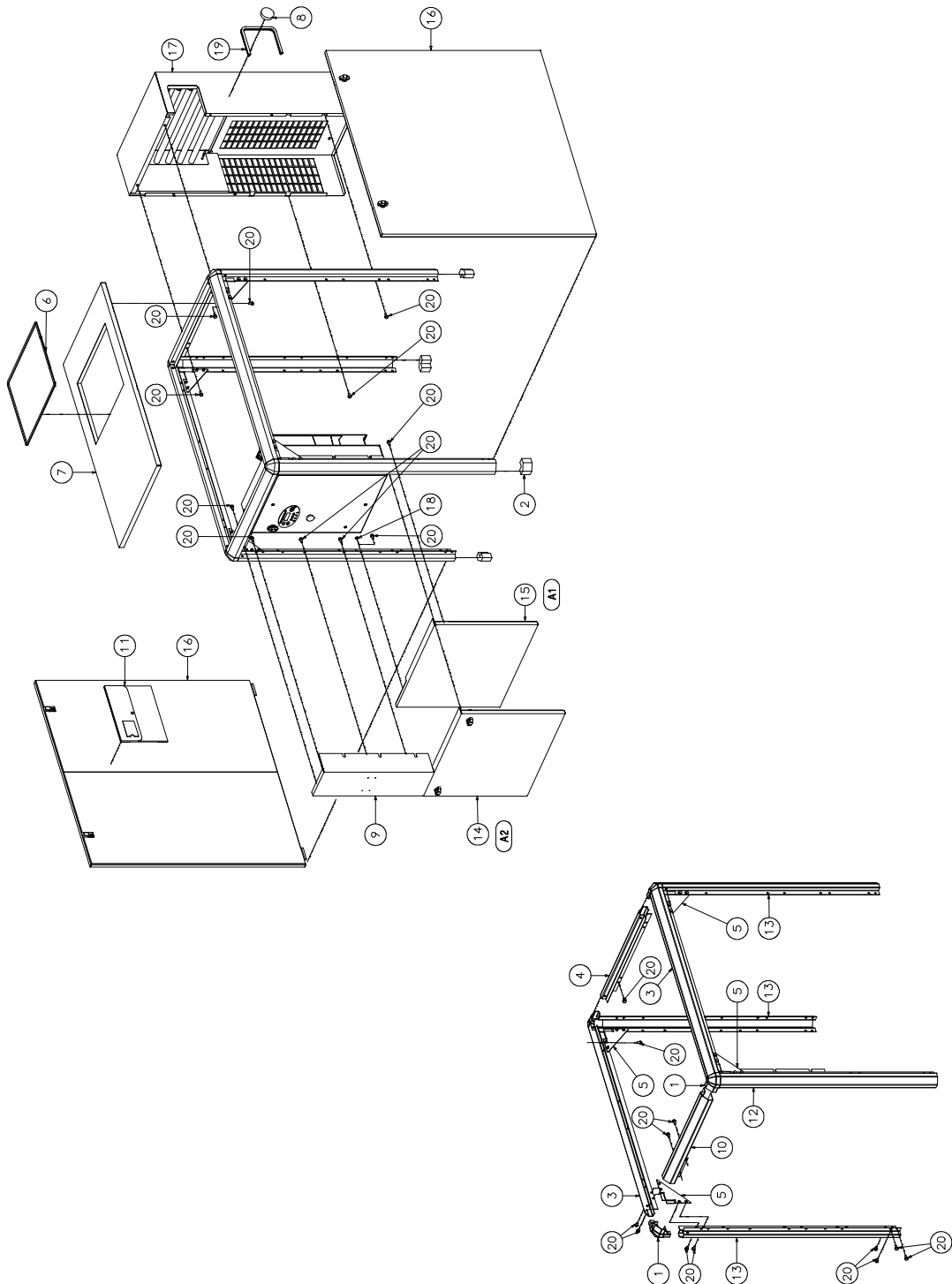


02250155_649r05

1.22 ENCLOSURE, AIR-COOLED

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250150-893	4	cap, molded canopy corner	
2	02250152-323	4	insulation, foam 2" corner piece	
3	02250152-334	2	rail, roof lh and rh	
4	02250152-335	1	rail, roof end p8 p10	
5	02250152-336	4	gusset, corner p8 p10	
6	02250154-659	7	trim, edge clip-on 185-260duq	
7	02250154-667	1	panel, roof various	
8	02250155-284	1	plug, hole 2 1/2" nylon black	
9	02250155-824	1	panel, starter end p8 p10	
10	02250155-825	1	rail, roof starter end p8 p10	
11	02250158-039	1	pocket, drawing holder 3700	
12	02250160-372	1	rail, vertical starter side p8 p10	
13	02250160-373	3	rail, vertical p8 p10	
14	02250160-374	1	panel, starter end bottom p8	
15	02250160-375	1	panel, starter end bottom p10	
16	02250160-377	1	panel, louver rear p8 p10	
17	02250160-378	2	panel, canopy door liftoff p8 p10	
18	250019-520	2	plug, plastic for 3/8" hole	
19	250034-157	2	trim, canopy edge 7.5/10hp	
20	883008-016	47	screw, tf-hex m8 x 16 blk zinc	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.23 ENCLOSURE, AIR-COOLED INTEGRAL DRYER

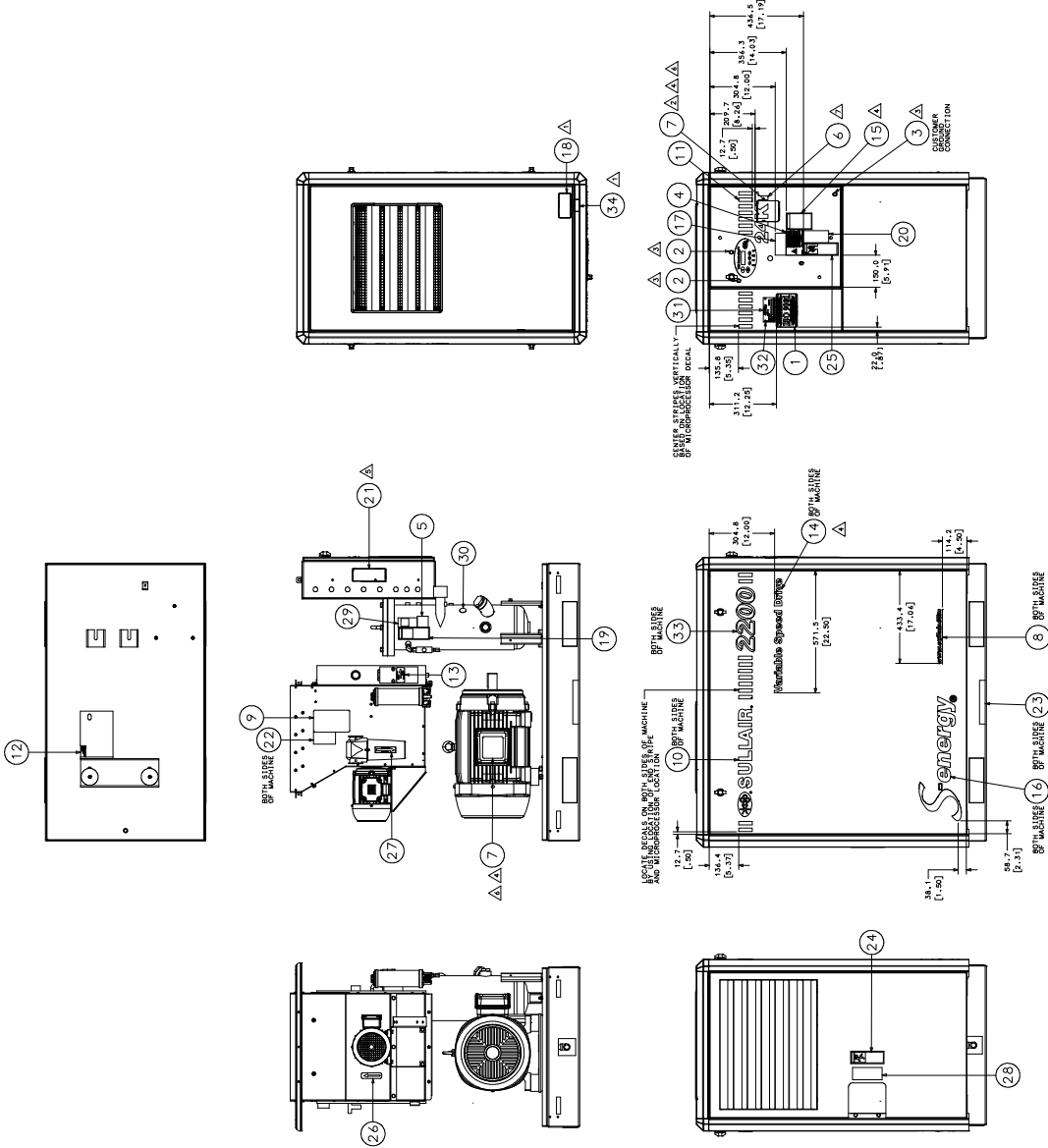


02250168-700-R00

1.23 ENCLOSURE, AIR-COOLED INTEGRAL DRYER

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250150-893	4	cap,molded canopy corner	
2	02250152-323	4	insulation,foam 2" corner piece	
3	02250152-334	2	rail, roof lh and rh	
4	02250152-335	1	rail, roof end p8 p10	
5	02250152-336	4	gusset,corner p8 p10	
6	02250154-659	7	trim,clip-on grip 185-260duq	
7	02250154-667	1	panel, roof end es8	
8	02250155-284	1	plug, hole 2 1/2" nylon black	
9	02250155-824	1	panel,starter end p8 p10	
10	02250155-825	1	rail,roof starter end p8 p10	
11	02250158-039	1	pocket,drawing holder 3700	
12	02250160-372	1	rail,vertical starter side p8 p10	
13	02250160-373	3	rail, vertical p8 p10	
14	02250160-374	1	panel,starter end bottom p8	
15	02250160-375	1	panel,starter end bottom p10	
16	02250160-378	2	door, enclosure lift off p8 p10	
17	02250168-656	1	panel, canopy assy intake end 2200 w/ dryer	
18	250019-520	2	plug,plastic for 3/8" hole	
19	250034-157	2	trim,canopy edge 7.5/10hp	
20	883008-016	47	screw, tf-hex m8 x 16 blk zinc	
A1 - USED ON 1800/2200				
A2 - USED ON 1100E/1500E/1800E				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.24 DECAL LOCATION SECTION, AIR-COOLED



02250157-700-R05

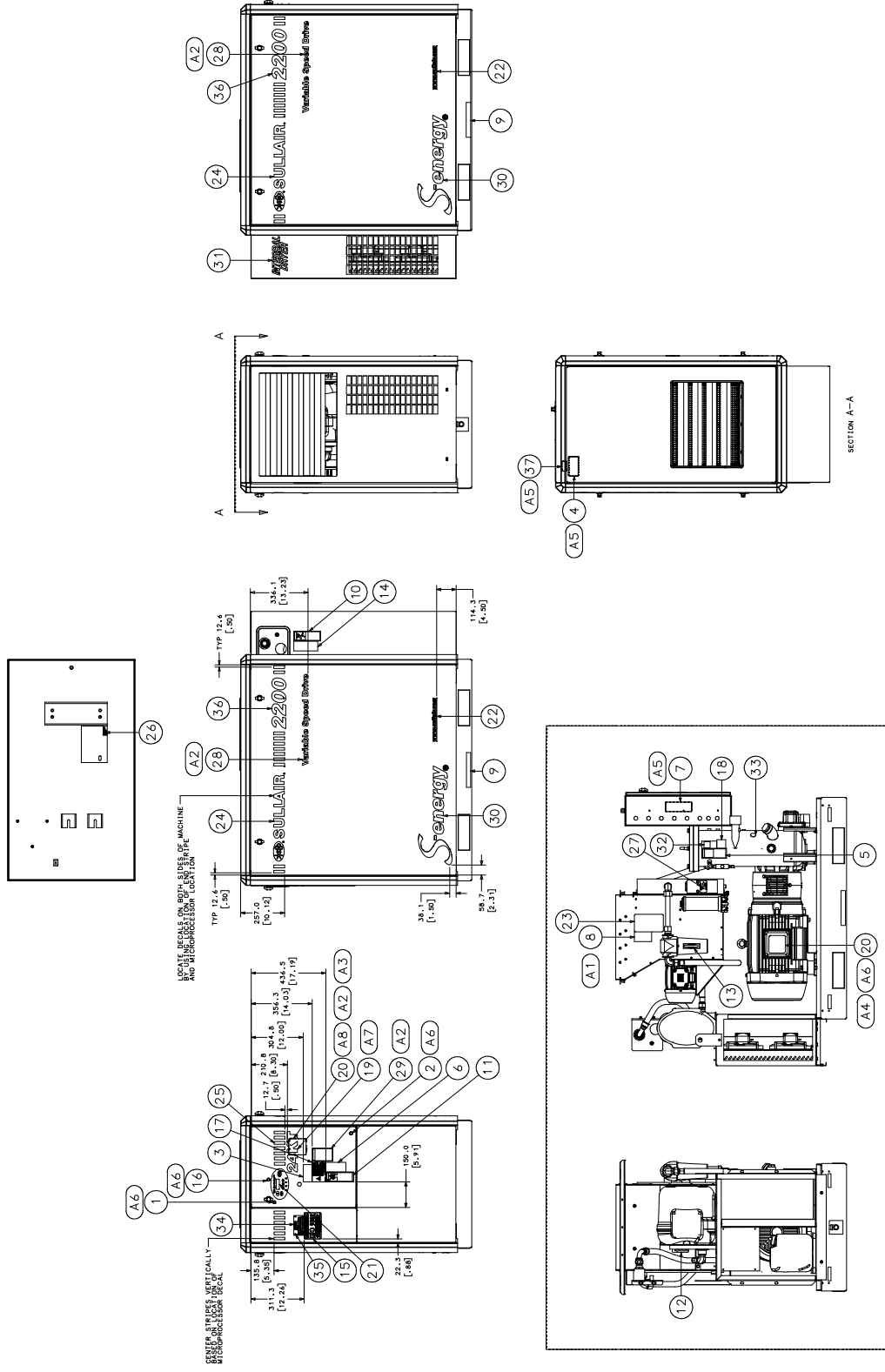
1.24 DECAL LOCATION SECTION, AIR-COOLED

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250057-624	1	decal,iso 9001 blk 3.44x5.75	
2	02250075-045	2	decal,protective earth ground	
3	02250075-540	1	decal,pe designation	
4	02250077-472	1	decal,electrocution hazard international/global	
5	02250110-891	1	decal,en-warming mixing fluids	
6	02250145-206	1	decal,24kt metallic gold	
7	02250146-385	2	decal,parallel wye motor conn.	
8	02250155-495	2	decal,black www.sullair.com	
9	02250157-702	1	decal,maint kit eng	
10	02250157-703	2	decal, sullair side graphics	
11	02250157-732	1	decal, sullair side graphic	
12	02250158-358	1	decal,remove before start-up	
13	02250161-967	1	decal,ump fluid drain p8/p10	
14	02250162-215	2	decal,vsd black p8/p10/p12	
15	02250164-823	1	decal, warning n12 elec end protc	
16	02250168-920	2	decal,s-energy black	
17	041065	1	decal,warning auto start	
18	042218	1	decal,danger hi voltage	
19	049685	1	sign,warning-comp oil fil cap	
20	049850	1	decal,danger electrocution	
21	049852	1	decal,warning elect. shock-ground fault	
22	049855	2	sign,warning-sever-fan-indus	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
23	241814	2	decal,fork lifting	
24	250003-144	1	decal,warn "food grade" lube	
25	250017-903	1	decal,warning-autostart	
26	250021-564	1	decal,rotation 3.5" lg	
27	250022-810	1	decal,water drain 3 3/4 x 1"	
28	250027-935	1	decal,danger inhaling comp air	
29	407408	1	sign,warning-hot surfaces	
30	FLUID	1	al decal,fluid-various	
31	NAMEPLATE	1	nameplate, sullair serial number	
32	RIVET	4	rivet,pop-various	
33	SERIES	2	al decal,various black w/stripe	
34	VOLTAGE	1	al decal,volts-various	
1-ATTACH TO THE BOTTOM ON INSIDE OF STARTER BOX				
2-ATTACH TO INSIDE OF STARTER DOOR				
3-ATTACH TO SUB-PANEL INSIDE STARTER BOX				
4-USED ON VSD MACHINES ONLY				
5-ATTACH TO INSIDE OF STARTER BOX ON RIGHT HAND SIDE				
6-NOT USED ON 575V VSD MACHINES				
7-USE ON 24KT MACHINES ONLY				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

DECAL LOCATION SECTION, AIR-COOLED, INTEGRAL DRYER

1.25 DECAL LOCATION SECTION, AIR-COOLED, INTEGRAL DRYER



1.25 DECAL LOCATION SECTION, AIR-COOLED, INTEGRAL DRYER

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	*02250075-045	1	decal, protective earth ground	
2	*02250075-540	1	decal, pe designation	
3	*041065	1	decal, warning auto start	
4	*042218	1	decal, danger hi voltage	
5	*049685	1	sign, warning-comp oil fill cap	
6	*049850	1	decal, danger electrocution	
7	*049852	1	decal, warning elect. shock-ground fault	
8	*049855	2	sign, warning-sever-fan-indus	
9	*241814	2	decal, fork lifting	
10	*250003-144	1	decal, warn "food grade" lube	
11	*250017-903	1	decal, warning-autostart	
12	*250021-564	1	decal, rotation 3.5" lg	
13	*250022-810	1	decal, water drain 3 3/4 x 1"	
14	*250027-935	1	decal, danger inhaling comp air	
15	02250057-624	1	decal, iso 9001 blk 3.44x5.75	
16	02250075-045	1	decal, protective earth ground	
17	02250077-472	1	decal, electrocution hazard international/global	
18	02250110-891	1	decal, en-warning mixing fluids	
19	02250145-206	1	decal, 24kt metallic gold	
20	02250146-385	2	decal, parallel wye motor conn.	
21	02250154-359	1	decal, microprocessor overlay	
22	02250155-495	2	decal, black www.sullair.com	
23	02250157-702	1	decal, maint kit eng	
24	02250157-703	2	decal, sullair side graphics	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
25	02250157-732	1	decal, sullair side graphic	
26	02250158-358	1	decal, remove before start-up	
27	02250161-967	1	decal, sump fluid drain p8/p10	
28	02250162-215	2	decal, vsd black p8/p10/p12	
29	02250164-823	1	decal, warning n12 elec encl protc	
30	02250168-920	2	decal, s-energy black	
31	02250170-899	1	decal, integral dryer	
32	407408	1	sign, warning-hot surfaces	
33	FLUID	1	al various	
34	NAMEPLATE	1	various	
35	RIVET	4	various	
36	SERIES	2	al various	
37	VOLTAGE	1	al various	
A1: BOTH SIDES OF MACHINES				
A2: VSD MACHINES ONLY				
A3: NOT USED ON 575V VSD MACHINES				
A4: ATTACH TO INSIDE OF STARTER BOX ON RIGHT-HAND SIDE				
A5: ATTACH TO INSIDE OF STARTER BOX ON BOTTOM PANEL				
A6: ATTACH TO SUB-PANEL INSIDE OF STARTER BOX				
A7: 24KT MACHINES ONLY				
A8: ATTACH TO INSIDE OF STARTER BOX DOOR				
Q1: A "A" PRECEEDING THE PART NUMBER INDICATES DECALS CONTAINED IN KIT 02250069-604				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.26 DECAL GROUP

5

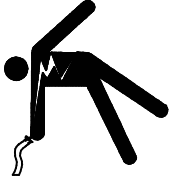
⚠ WARNING

Mixing of other fluids
will void warranty.
Fill cap has an o-ring
seal. Do not use pipe
dope.

02250110-891

6

⚠ DANGER



Lethal shock
hazard inside.

To be opened
by authorized
personnel only.

Disconnect all
power at source
before opening
or servicing.

250019_032R01

16

DANGER

HIGH VOLTAGE

042218

18

⚠ DANGER

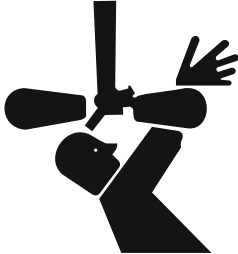


Lethal shock
hazard inside.
Disconnect all
power at source,
before opening
or servicing.

049850

20

⚠ WARNING

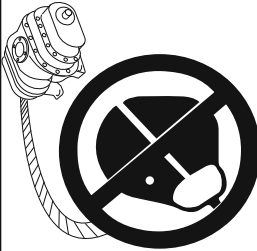


Disconnect all
power at source,
before attempt
maintenance or
adjustments.

049855

26

⚠ DANGER



Death or
serious injury
can occur
from inhaling
compressed air
without using
proper safety
equipment.
See OSHA
standards
on safety
equipment.

250027-932

1.26 DECAL GROUP

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
26	250027-935	1	decal, danger inhaling comp air	
18	049850	1	decal, danger electrocution	
6	02250146-385	2	decal, parallel wye motor conn.	
16	042218	1	decal, danger hi voltage	
5	02250110-891	1	decal, en-warning mixing fluids	
20	049855	2	sign, warning-sever-fan-indus	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

DECAL GROUP

1.26 DECAL GROUP (CONTINUED)

15

CAUTION: This machine is equipped with Automatic Stop / Start Control System. **DO NOT ATTEMPT** to make any adjustment without disconnecting both main line and control circuit electrical power.

41065
41065

22

WARNING



Do not permit air from this equipment to contact food stuff except in full compliance with FDA Standard 21CFR178.357q and all other applicable federal, state and local codes, standards and regulations.

0226003_114

23

WARNING



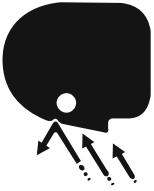
This Unit is Equipped With An Auto Start Sequence That Will Start The Unit In The Event Of A Power Failure Automatically After The Sump Pressure Drops To 10 PSIG And The Power IS Restored.

When Performing Maintenance Follow Your Company's Prescribed Safety Practices for Electrical Equipment.

250017-903

17

WARNING



Do not remove caps, plugs, or other components when compressor is running or pressurized. Stop compressor and relieve all internal pressure before doing so.

049685

19

WARNING



Use equipment grounding connector in accordance with the National Electric Code, and all Federal, State, and Local Codes, to help avoid possible ground fault shock hazard.

049852

27

WARNING



Hot surfaces.

To avoid burns, keep hands and all parts of the body away.

40708

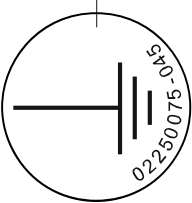
1.26 DECAL GROUP (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
17	049685	1	sign, warning-comp oil fill cap	
23	250017-903	1	decal, warning-autostart	
19	049852	1	decal, warning elec shock-ground fault	
22	250003-144	1	decal, warning elec shock-ground fault	
27	407408	1	sign, warning-hot surfaces	
15	041065	1	decal, warning auto start	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

DECAL GROUP

1.26 DECAL GROUP (CONTINUED)

2



02250075-045

3



02250075-540

7



02250155-495

9



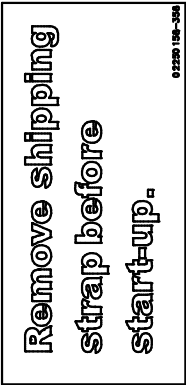
02250157_703R00

10



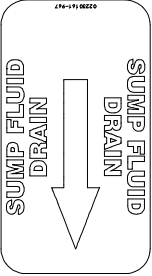
02250157_732R01

11



02250158_335FR00

12



02250161-967R02

13



02250162_215R01

1.26 DECAL GROUP (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
2	02250075-045	2	decal, protective earth ground	
3	02250075-540	1	decal, pe designation	
7	02250155-495	2	decal, black www.sullair.com	
9	02250157-703	2	decal, sullair side graphics	
10	02250157-732	1	decal, sullair side graphic	
11	02250158-358	2	decal, remove before start-up	
12	02250161-967	1	decal, separator/sump tank fluid drain p8/p10	
13	02250162-215	2	decal, vsd black p8/p10/p12	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

DECAL GROUP

1.26 DECAL GROUP (CONTINUED)

4



02250077-472

Letali obznanje! Obvestilo o nevarnosti pri
obdelavi in vzdrževanju.

Pericolo! Pericolo di morte o di lesioni gravi.
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1.26 DECAL GROUP (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
4	02250077-472	1	decal, electrocution hazard international/global	
8	02250157-702	1	decal, maint kit eng	
14	02250164-823	1	decal, warning n12 elec encl protection	
21	241814	2	decal, fork lifting	
24	250021-564	1	decal, rotation 3.5" lg	
25	250022-810	1	decal, water drain 3 3/4 x 1"	
28	02250069-389	1	fluids, fluid decal	(l)
	02250069-394	1	fluids, fluid decal	(l)
	02250069-395	1	fluids, fluid decal	(l)
(l) This decal will vary with individual machine. Consult Sullair Corporation with serial number				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

1.26 DECAL GROUP (CONTINUED)

1

This product was manufactured to the highest quality standards in an ISO 9001 certified system.
Ce produit a été fabriqué selon les normes les plus strictes de qualité dans un système ISO 9001 certifié.
Dieses Produkt wird in einem mit ISO 9001 Zertifiziertes verfahrenssystem hergestellt und entspricht den höchsten Qualitätsanforderungen.
Dette produkt er fremstillet i overensstemmelse med de drøgtste kvalitetskrav i et ISO 9001 - certificeret anlæg.

ISO 9001

To tipaklı ağırlık ölçme cihazları için 1% rölave ayrılmış, modernize edilmiş ISO 9001 sertifikalı üretim tesisleri.
Dit product werd volgens de hoogste kwaliteitsnormen geproduceerd in een ISO-9001 gecertificeerd levensmiddelenstelsel.
Este producto ha sido fabricado según las más altas exigencias de calidad en un sistema con la certificación ISO 9001.
Questo prodotto è stato fabbricato secondo i più alti standard qualitativi, in un sistema omologato ISO 9001.
本產品是由取得最高品質水準 ISO 9001 資格之製造廠所生產

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31

02250157-735R00

1800

31

02250157-731R00

2200

32

02250069-397

230V
3 ~ 60 Hz

32

02250069-399

460V
3 ~ 60 Hz

32

02250069-400

575V
3 ~ 60 Hz

32

02250069-403

380/415V
3 ~ 50 Hz

32

02250069-406

200V
3 ~ 60 Hz

33

02250170-899

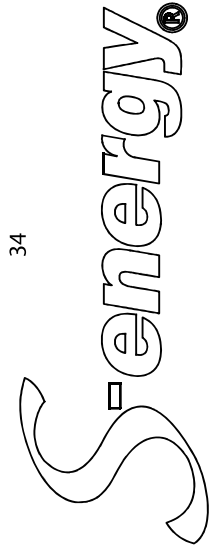
INTEGRAL
DRYER

1.26 DECAL GROUP (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
1	02250057-624	1	decal, ISO 9001 blk 3.44 x 5.75	
31	02250157-735	1	series decal	(I)
	02250157-731	1	series decal	(I)
32	02250069-397	1	voltage decal	(I)
	02250069-399	1	voltage decal	(I)
	02250069-400	1	voltage decal	(I)
	02250069-403	1	voltage decal	(I)
	02250069-406	1	voltage decal	(I)
33	02250170-889	1	decal, integral dryer	
(I) This decal will vary with individual machine. Consult Sullair Corporation with serial number				
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

DECAL GROUP

1.26 DECAL GROUP (CONTINUED)

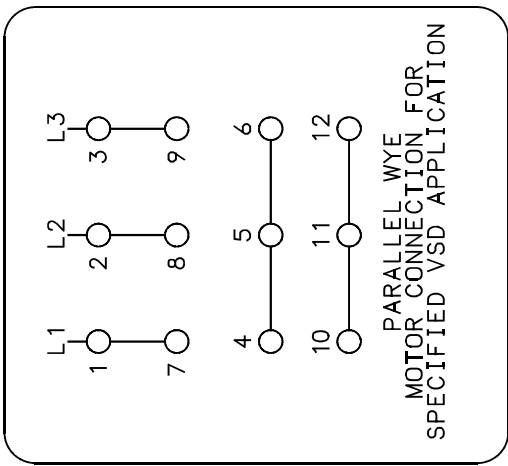


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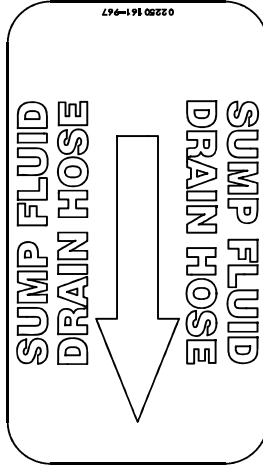
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24KT

36



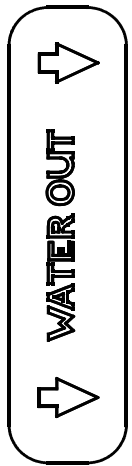
37



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39



1.26 DECAL GROUP (CONTINUED)

KEY NO.	PART NO.	QTY	DESCRIPTION	NOTE
34	02250168-920	1	decal, s-energy black	
35	02250145-206	1	decal, 24 kt gold metallic	
36	02250146-385	1	decal, parallel wye motor conn.	
37	02250161-967	1	decal, sump fluid drain	
38	250019-107	1	decal, water in	
39	250019-108	1	decal, water out	
PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR				

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NOTES

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Fax: 755-6853473
www.sullair-asia.com

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