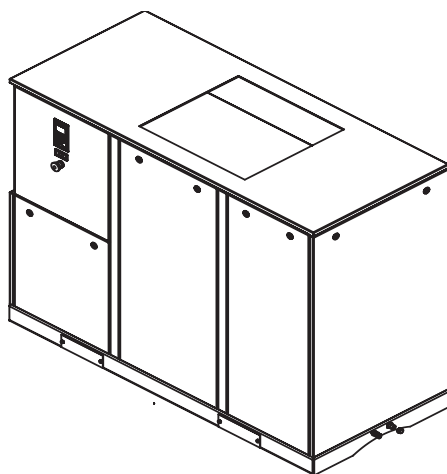




80447543
Revision A
September 2013

Contact-Cooled Rotary Screw Air Compressor

IRN 15K, IRN 18K, IRN 22K, IRN 30K
IRN 20H, IRN 25H, IRN 30H, IRN 40H



Parts Information



Save These Instructions



Only allow **Ingersoll Rand** trained Technicians to perform maintenance on this product. For additional information contact **Ingersoll Rand** factory or nearest Distributor.

The use of other than genuine **Ingersoll Rand** replacement parts may result in safety hazards, decreased performance and increased maintenance and may invalidate all warranties.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

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PARTS ORDERING INFORMATION

These products are designed and constructed to provide long, trouble-free service. In time it may be necessary to order and install new parts to replace those that have been subjected to wear.

For your convenience and future reference it is recommended that the following information be recorded.

Model Number _____

Serial Number _____

Date Purchased _____

When ordering replacement parts, please specify the following:

1. Complete model number and serial number as it appears on the data (name) plate.
2. Part number(s) and part description as shown in this manual.
3. Quantity required.

NOTICE

- Continuing improvement and advancement of design may cause changes to this equipment which are not included in this manual. Manuals are periodically revised to incorporate changes. Always check the manual edition number on the front cover for the latest issue.
- Sections of this manual may not apply to your product.
- Using other than genuine **Ingersoll Rand** replacement parts may invalidate the warranty.

■ Return Goods Policy

Ingersoll Rand will not accept any returned goods for warranty or service work unless prior arrangements have been made and written authorization has been provided from the location where the goods were purchased.

Products which have been modified without **Ingersoll Rand** approval, mishandled or misused will not be repaired or replaced under warranty. A printed copy of the warranty which applies to this product is provided inside the back cover of this manual.

■ Disposal

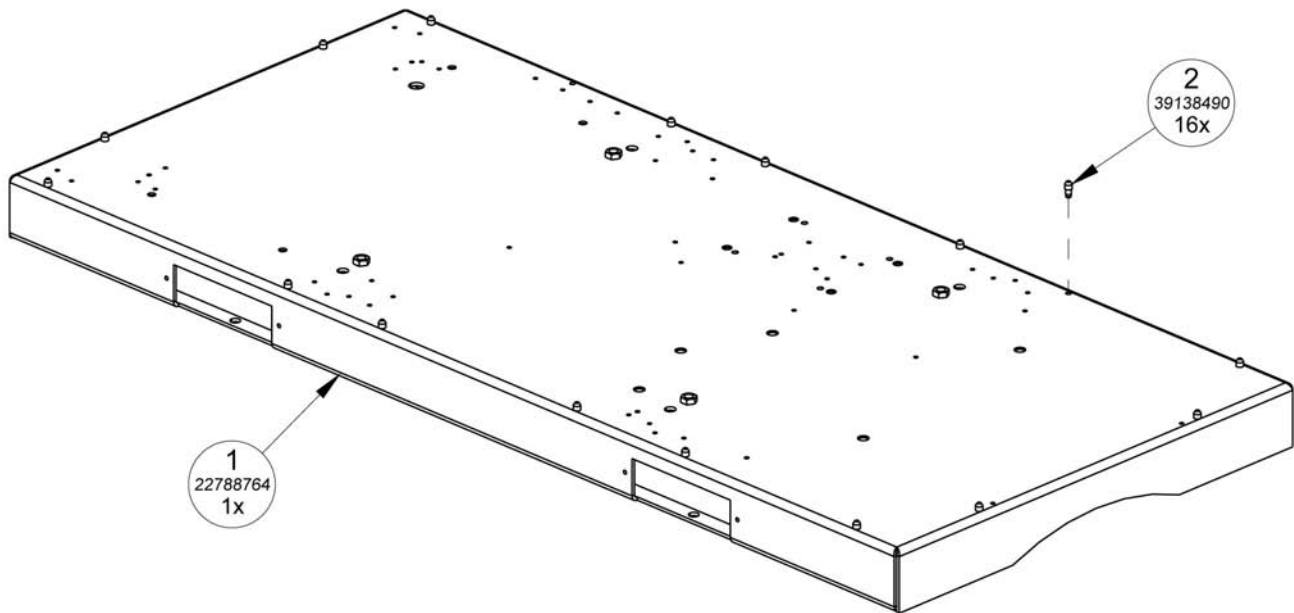


When the life of the product has expired, it is recommended that it be disassembled, degreased and parts separated as to materials so that they may be recycled.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Locator Pins to Base



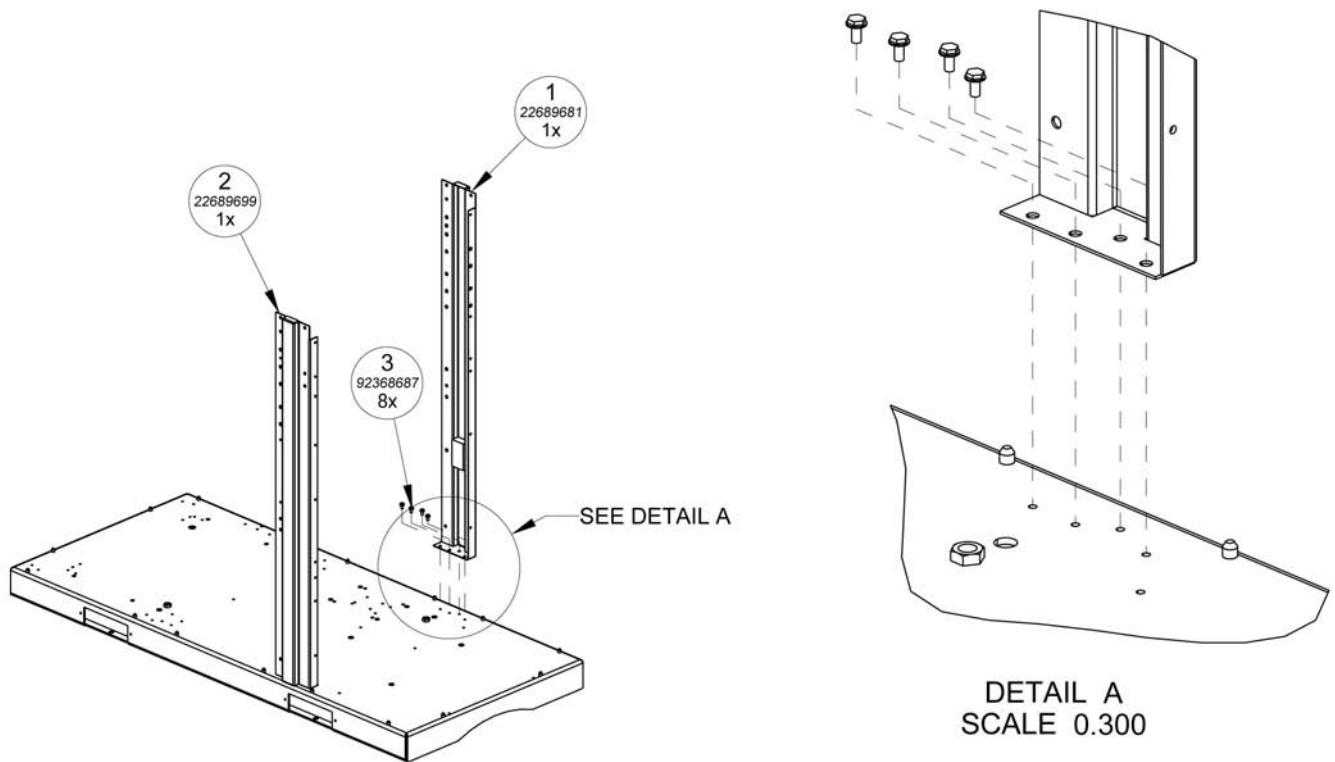
(Dwg. 22711691P2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22788764	BASE, STANDARD 20-40 hp/15-30 kW	1
2	39138490	PIN, LOCATOR	16

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Panel Support Columns to Base



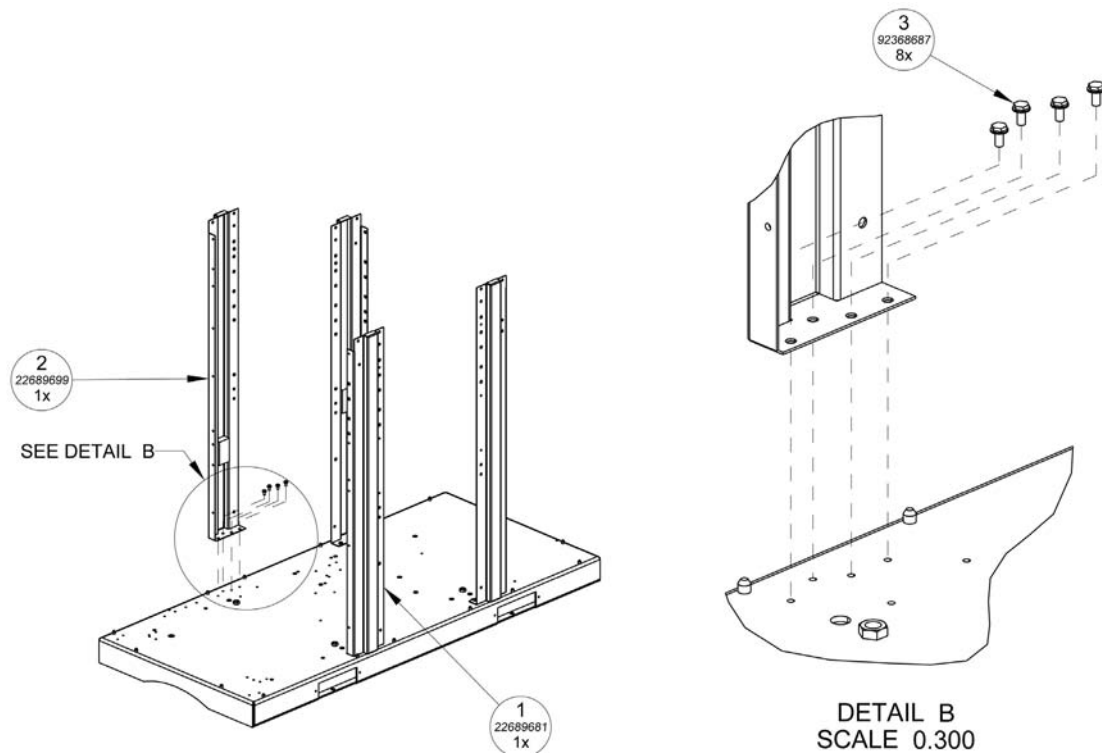
(Dwg. 22711691P3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22689681	ASSY., SHEET METAL/FOAM (REAR VERTICAL COLUMN)	1
2	22689699	ASSY., SHEET METAL/FOAM (FRONT VERTICAL COLUMN)	1
3	92368687	TAPTITE SCREW M6-1x 12 LONG	8

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Middle Panel Support Columns to Base



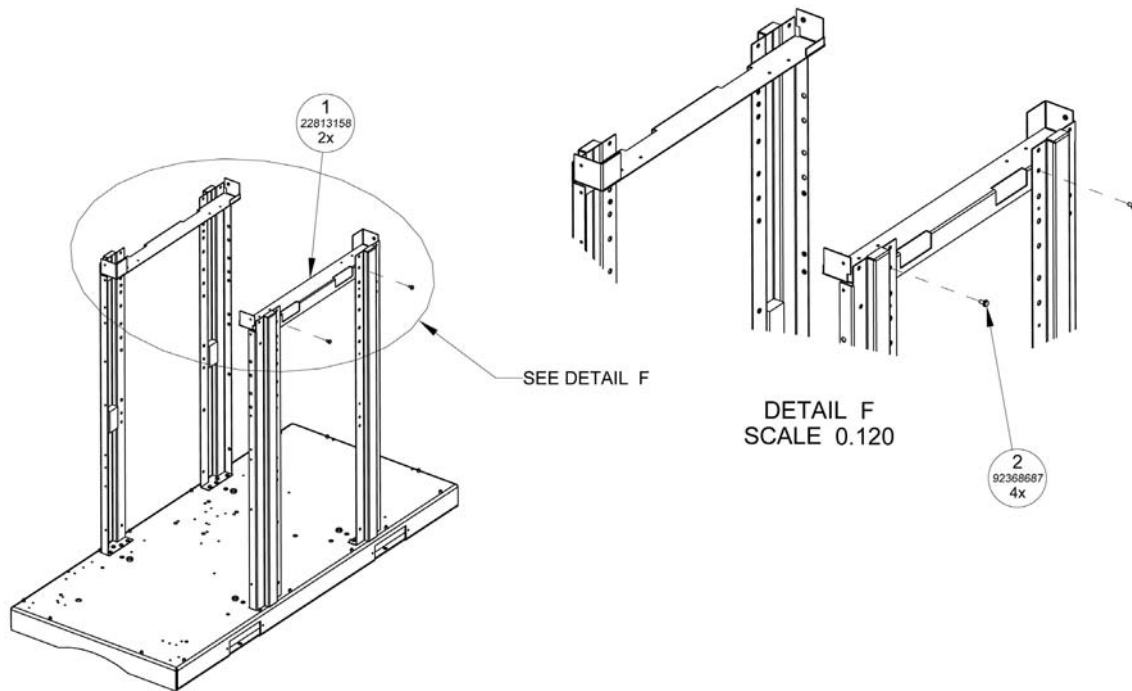
(Dwg. 22711691P4)

PARTS LIST

Item	Part No.	Description	Qty.
1	22689681	ASSY., SHEET METAL/FOAM (REAR VERTICAL COLUMN)	1
2	22689699	ASSY., SHEET METAL/FOAM (FRONT VERTICAL COLUMN)	1
3	92368687	TAPTITE SCREW M6-1x 12 LONG	8

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Cooler Supports to Panel Support Columns and Drive Panel



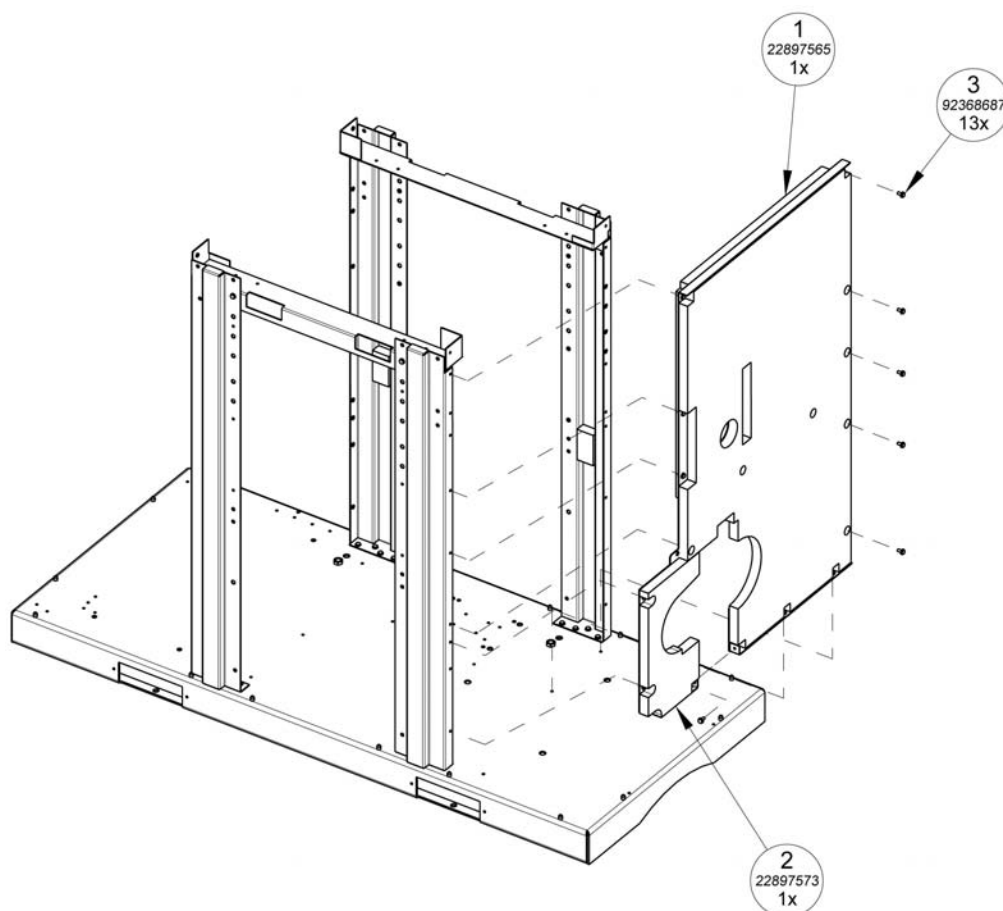
(Dwg. 22711691P5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22813158	SUPPORT, COOLER (FRONT/REAR), 20-25 hp/15-18.5 kW	2
	22869127	SUPPORT, COOLER (FRONT/REAR), 30-40 hp/22-30 kW	2
2	92368687	TAPTITE SCREW M6-1x 12 LONG	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Vertical Divider Wall (Airend Side) to Panel Support Columns



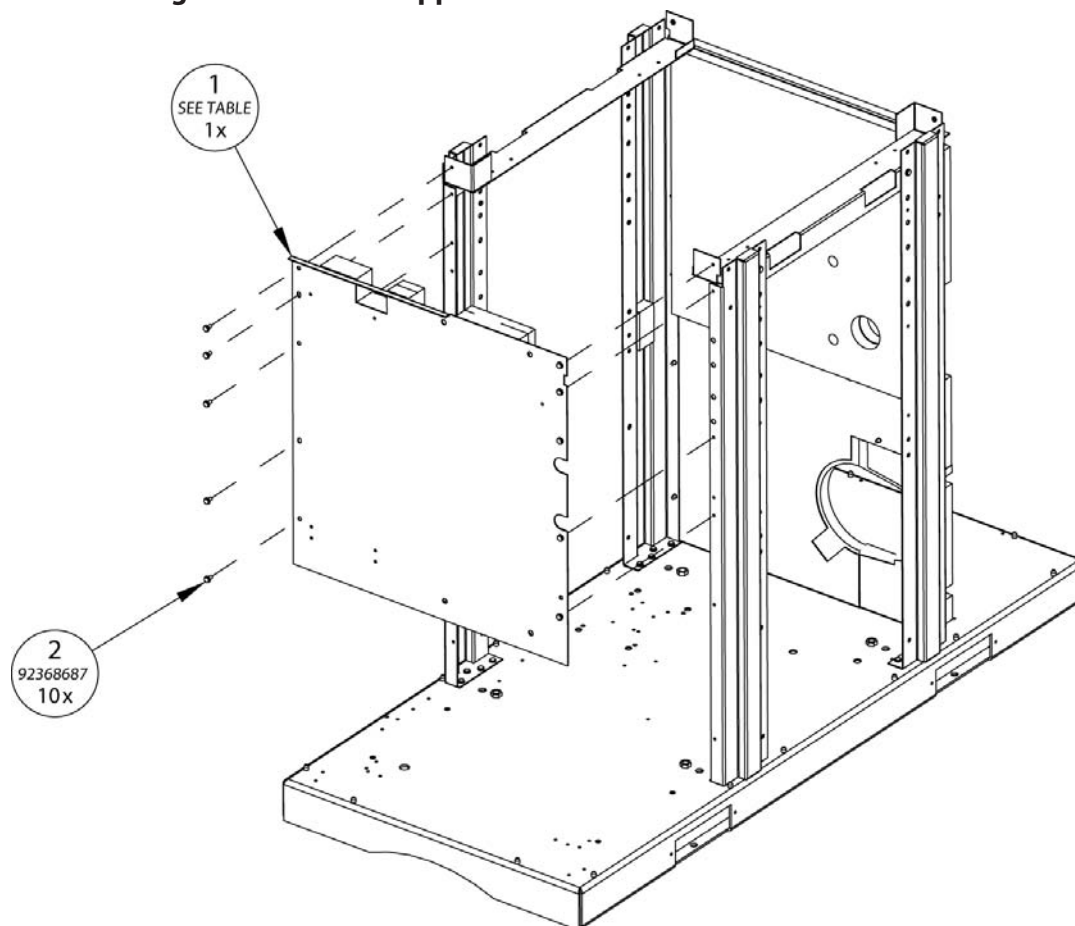
(Dwg. 22711691P6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22897565	ASSEMBLY SHEET METAL/FOAM (AIREND/MOTOR DIVIDER WALL)	1
2	22897573	ASSEMBLY SHEET METAL/FOAM (HOT SIDE REMOVABLE WALL), 20-25 hp/15-18.5 kW	1
	22907828	ASSEMBLY SHEET METAL/FOAM (HOT SIDE FIXED WALL FOR HIGH DUST), 30-40 hp/22-30 kW	1
3	92368687	TAPTITE SCREW M6-1 x 12 LONG	13 (20-25 hp/15-18.5 kW)
		TAPTITE SCREW M6-1 x 12 LONG	16 (30-40 hp/22-30 kW)

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Drive Mounting Panel to Panel Support Columns



(Dwg. 22711691P7)

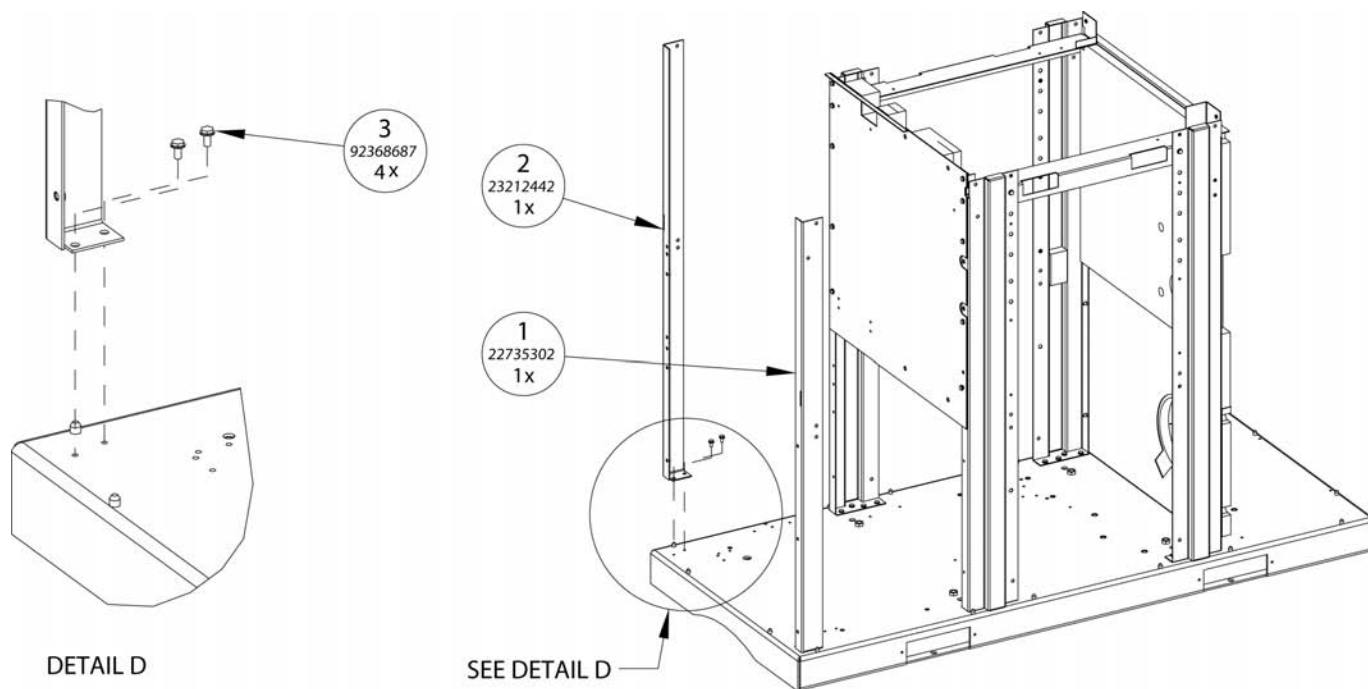
PARTS LIST

Item	Part No.	Description	Qty.
1	22813091	ASSEMBLY SHEET METAL/FOAM (20-25 hp/15-18.5 kW H.V. DRIVE MOUNTING PANEL)	1
	22813075	ASSEMBLY SHEET METAL/FOAM (20-25 hp/15-18.5 kW L.V. DRIVE MOUNTING PANEL)	1
	22957922	ASSEMBLY SHEET METAL/FOAM (30-40 hp/22-30 kW H.V. DRIVE MOUNTING PANEL)	1
	22957914	ASSEMBLY SHEET METAL/FOAM (30-40 hp/22-30 kW L.V. DRIVE MOUNTING PANEL)	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	10 (20-25 hp/15-18.5 kW)
		TAPTITE SCREW M6-1 x 12 LONG	12 (30-40 hp/22-30 kW)

L.V. = 200-230V, H.V. = 380-460V

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Corner Panel Support Columns to Base



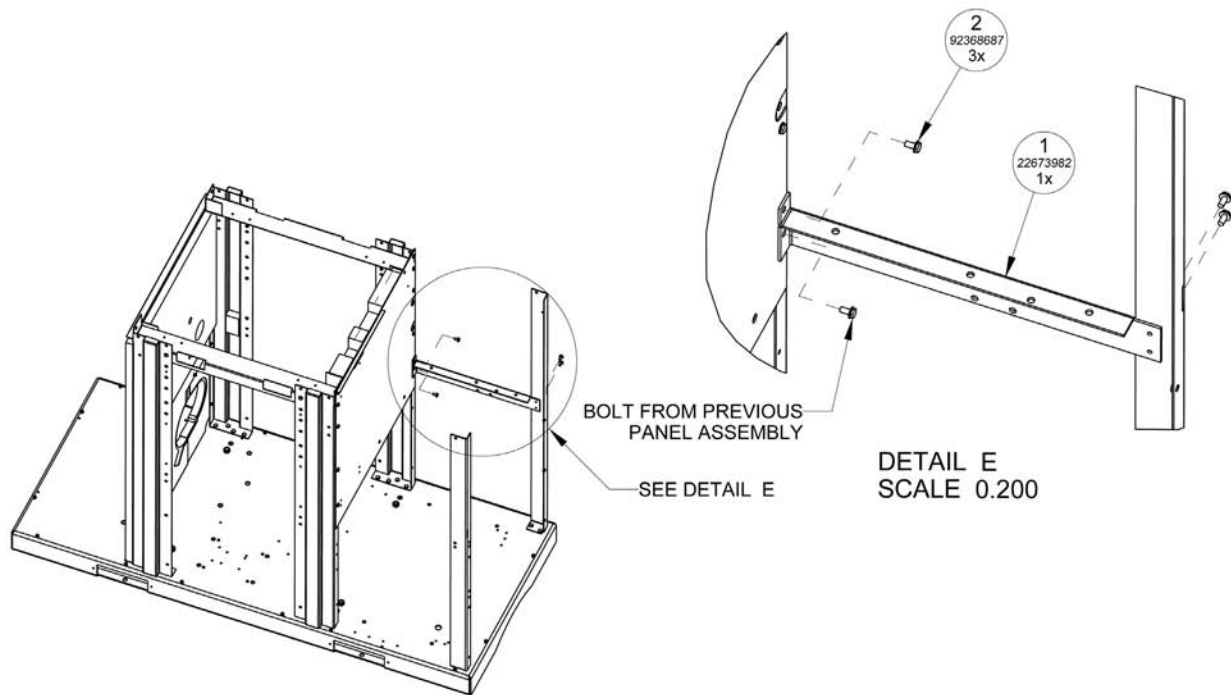
(Dwg. 22711691P8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22735302	COLUMN, FRONT INTAKE	1
2	23212442	COLUMN, REAR INTAKE	1
3	92368687	TAPTITE SCREW M6-1 x 12 LONG	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Horizontal Brace (Dryer Filter Support) to Support Columns



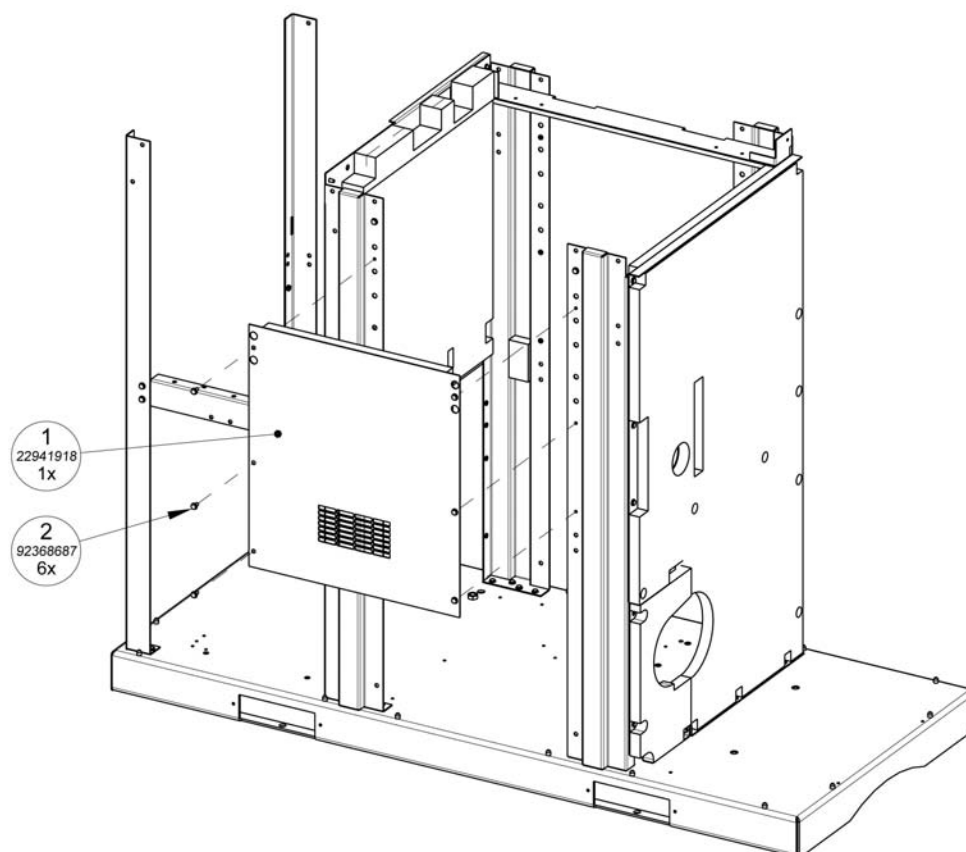
(Dwg. 22711691P9)

PARTS LIST

Item	Part No.	Description	Qty.
1	22673982	BRACE, DRYER FILTER SUPPORT	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	3

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Upper Fan Guard Panel.



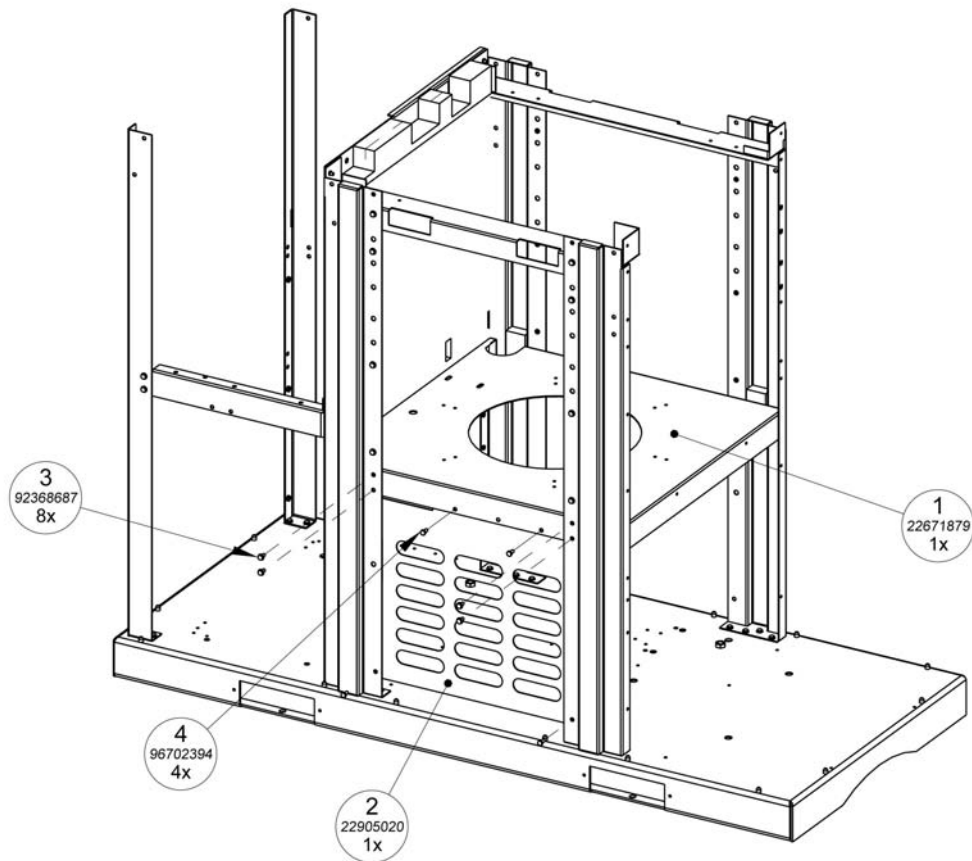
(Dwg. 22711691P10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22941918	ASSY., SHEET METAL/FOAM (BLOWER GUARD PANEL)	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	6

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Lower Fan Guard Panel & Horizontal Center Panel (Inlet Cone) to Support Columns



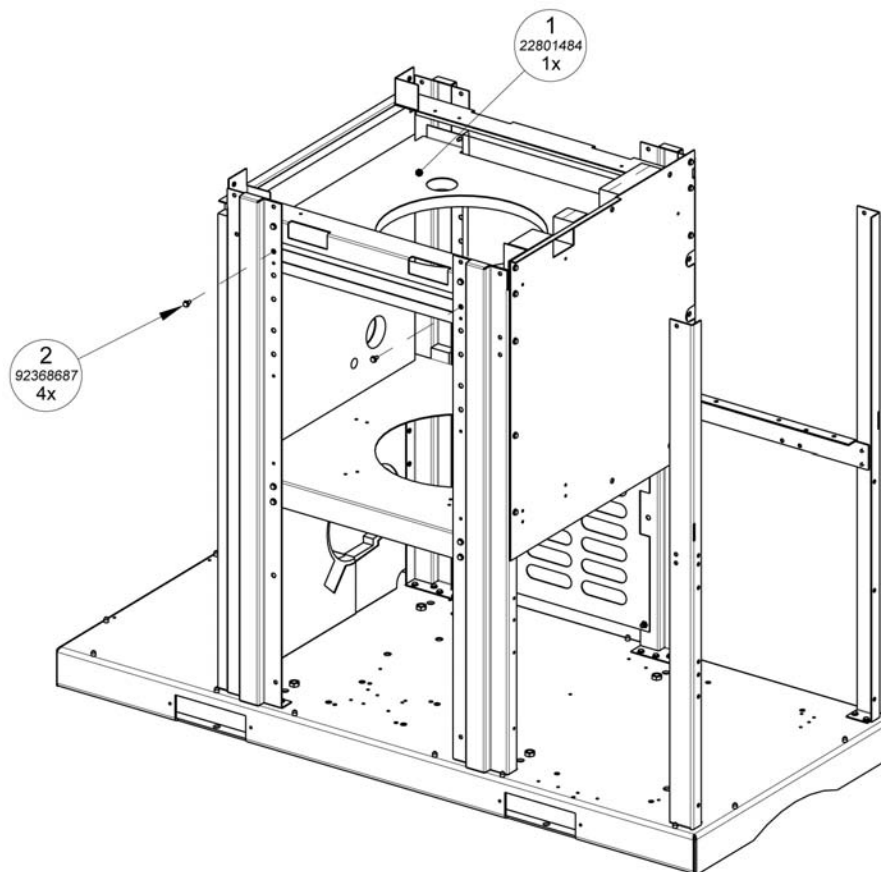
(Dwg. 22711691P11)

PARTS LIST

Item	Part No.	Description	Qty.
1	22671879	PANEL, DIVIDER (BLOWER CONE MOUNTING)	1
2	22905020	GUARD, FRONT CENTER SECTION (LOWER PIECE)	1
3	92368687	TAPTITE SCREW M6-1 x 12 LONG	1
4	96702394	SCREW, HEX HEAD M6-1 x 12 LONG	4

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Baffle



(Dwg. 22711691P12)

PARTS LIST

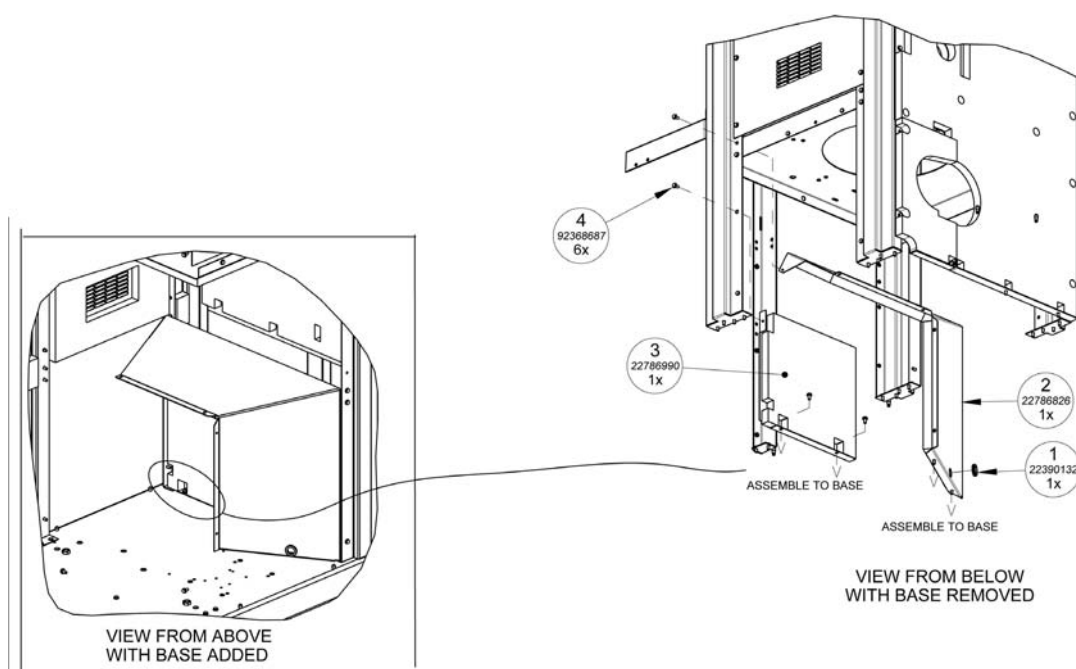
Item	Part No.	Description	Qty.
1	22801484	ASSEMBLY SHEET METAL/FOAM (BAFFLE, BLOWER)	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	4

NOTE:

THIS STEP IS ONLY USED FOR 60 HZ MODELS (20-25 HP ONLY)

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Drive Motor Shroud to Base and Inlet Cone Center Panel



(Dwg. 22711691P13)

PARTS LIST

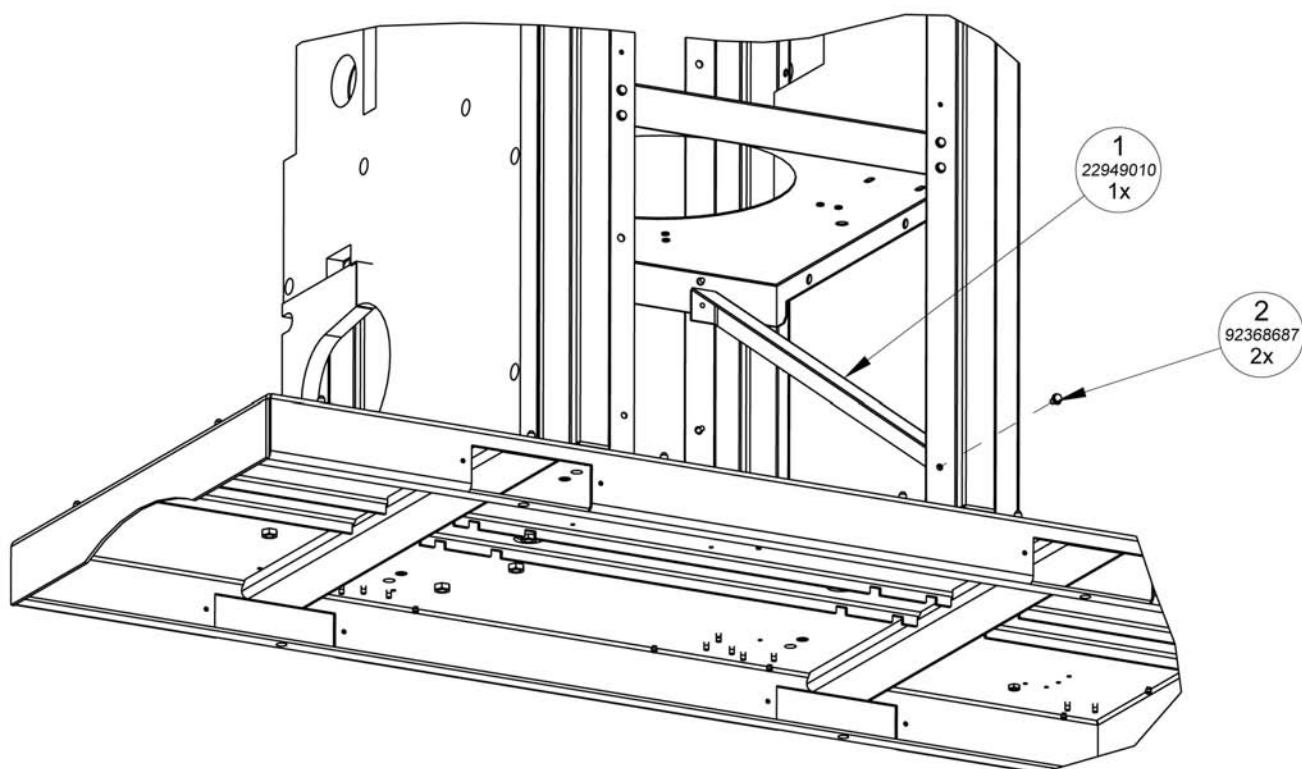
Item	Part No.	Description	Qty.
1	22390132	GROMMET, INSULATION 0.812 INCH I.D. x 1.25 INCH O.D.	1
2	22786826	ASSEMBLY SHEET METAL/FOAM (VFD DRIVE MOTOR SHROUD)	1
3	22786990	ASSEMBLY SHEET METAL/FOAM (DRIVE MOTOR BAFFLE)	1
4	92368687	TAPTITE SCREW M6-1 x 12 LONG	6

NOTES:

1. 22786990 IS USED ON 60 HZ & 50 HZ NON-TAS ONLY.
2. THIS STEP FOR 20-25 HP/15-18.5 KW MODELS ONLY.

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Column Stiffener Brace.



(Dwg. 22711691P14)

PARTS LIST

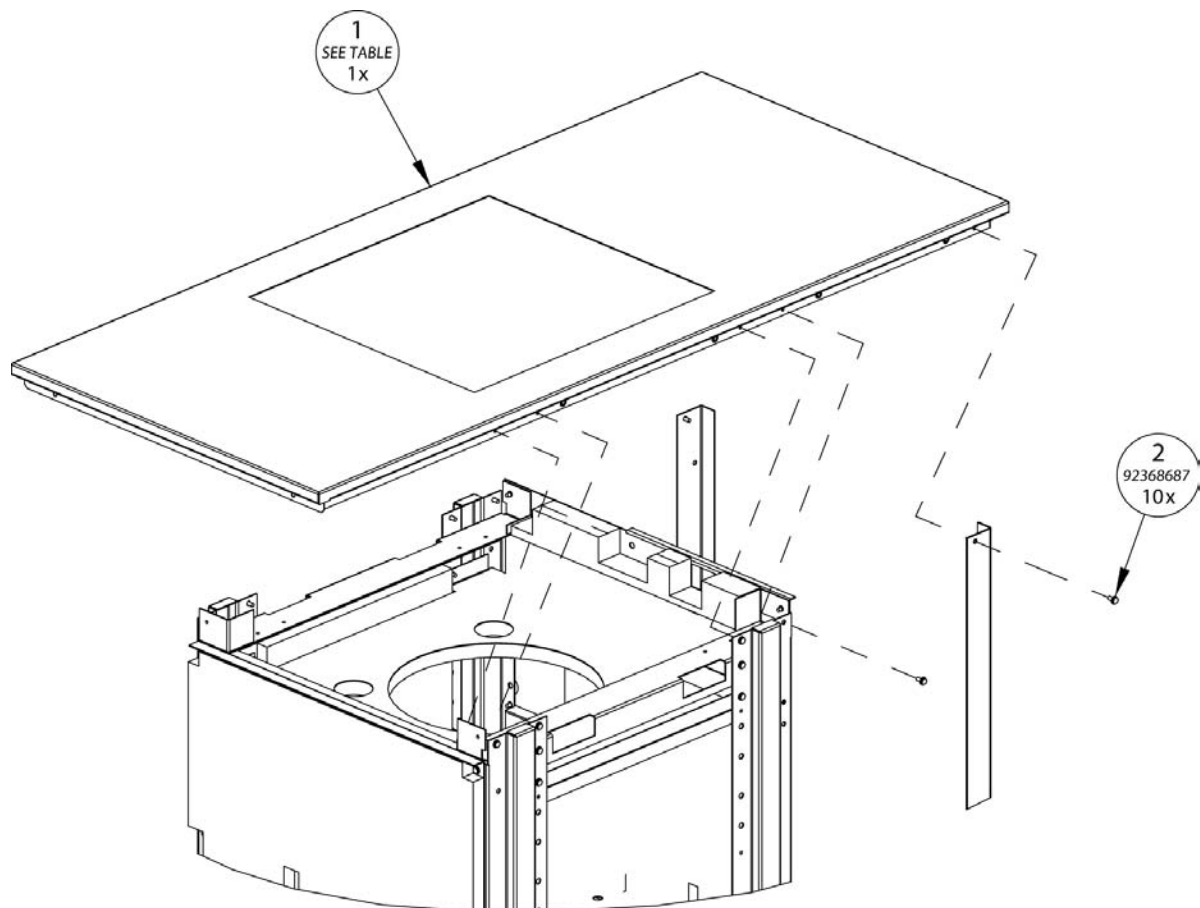
Item	Part No.	Description	Qty.
1	22949010	BRACE, INTERNAL SUPPORT (30-40 hp/22-30 kW)	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	2

NOTE:

FOR 30-40 HP/22-30 KW MODELS ONLY.

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Top Panel to Panel Support Columns



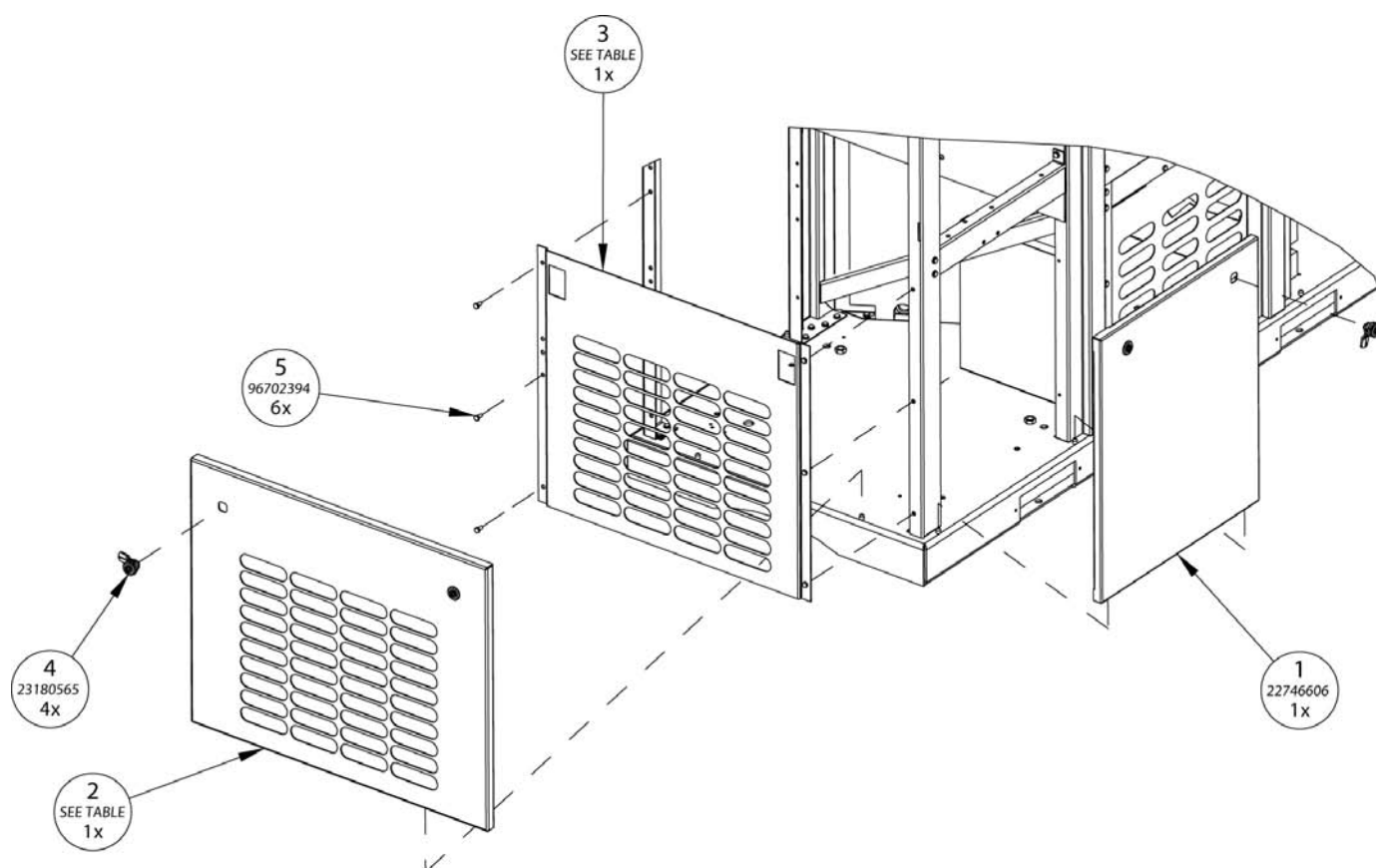
(Dwg. 22711691P15)

PARTS LIST

Item	Part No.	Description	Qty.
1	22934731	ASSY., SHEET METAL/FOAM (TOP PANEL) [20-25 HP/15-18.5 kW]	1
	22955751	ASSY, SHEET METAL/FOAM (TOP PANEL) [30-40 hp/22-30 kW]	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	10

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Intake Panel, Dryer Filter Service Panel and Panel Latch



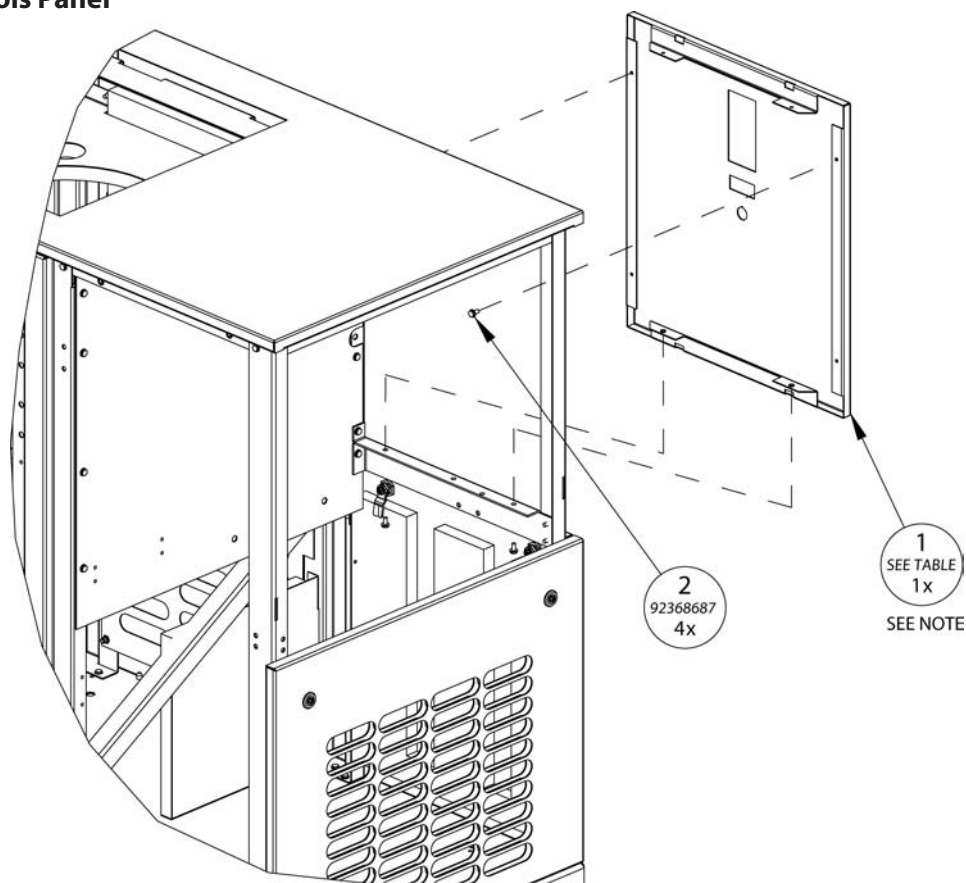
(Dwg. 22711691P16)

PARTS LIST

Item	Part No.	Description	Qty.
1	22746606	ASSEMBLY SHEET METAL/FOAM (FILTER RETAINING)	1
2	22864367	PANEL, ENCLOSURE INTAKE (20-25hp/15-18.5 kW)	1
	22893739	PANEL, ENCLOSURE INTAKE (30-40 hp/22-30 kW)	1
3	22935068	TRAY, PANEL FILTER (20-25 hp/15-18.5 kW)	1
	22939847	TRAY, PANEL FILTER (30-40 hp/22-30 kW)	1
4	23180565	LATCH, DOOR (NEMA 4) 28 mm HEAD / 24 mm OFFSET	4
5	96702394	SCREW, HEX HEAD M6-1 x 12 LONG	6

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Controls Panel



(Dwg. 22711691P17)
PARTS LIST

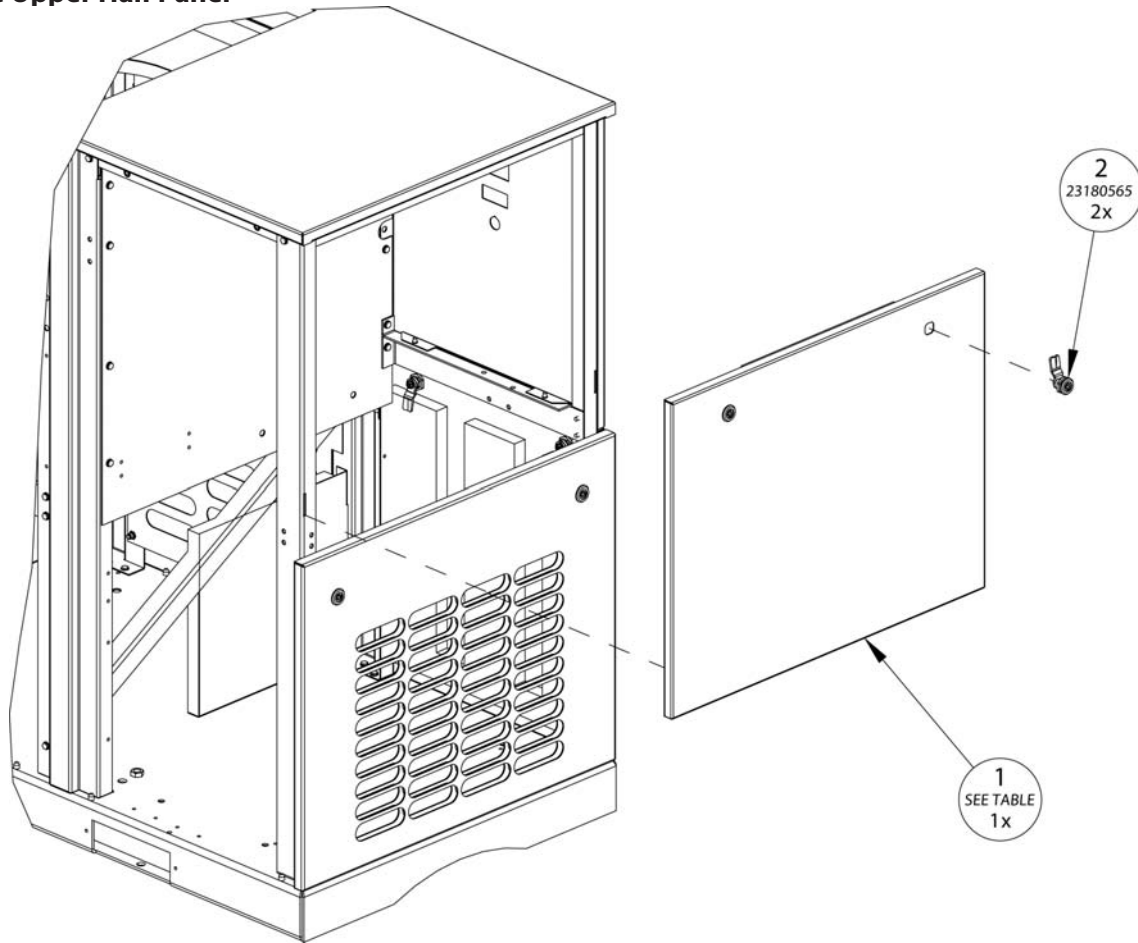
Item	Part No.	Description	Qty.
1	22714927	PANEL, CONTROLS (TAS MODELS)	1
	22671804	PANEL, CONTROLS (NON-TAS MODELS)	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	4

NOTE:

FOR TANK MOUNT MODEL PANEL 22714927 IS MOUNTED 180DEG. FROM SHOWN IN THIS VIEW.

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Upper Half Panel



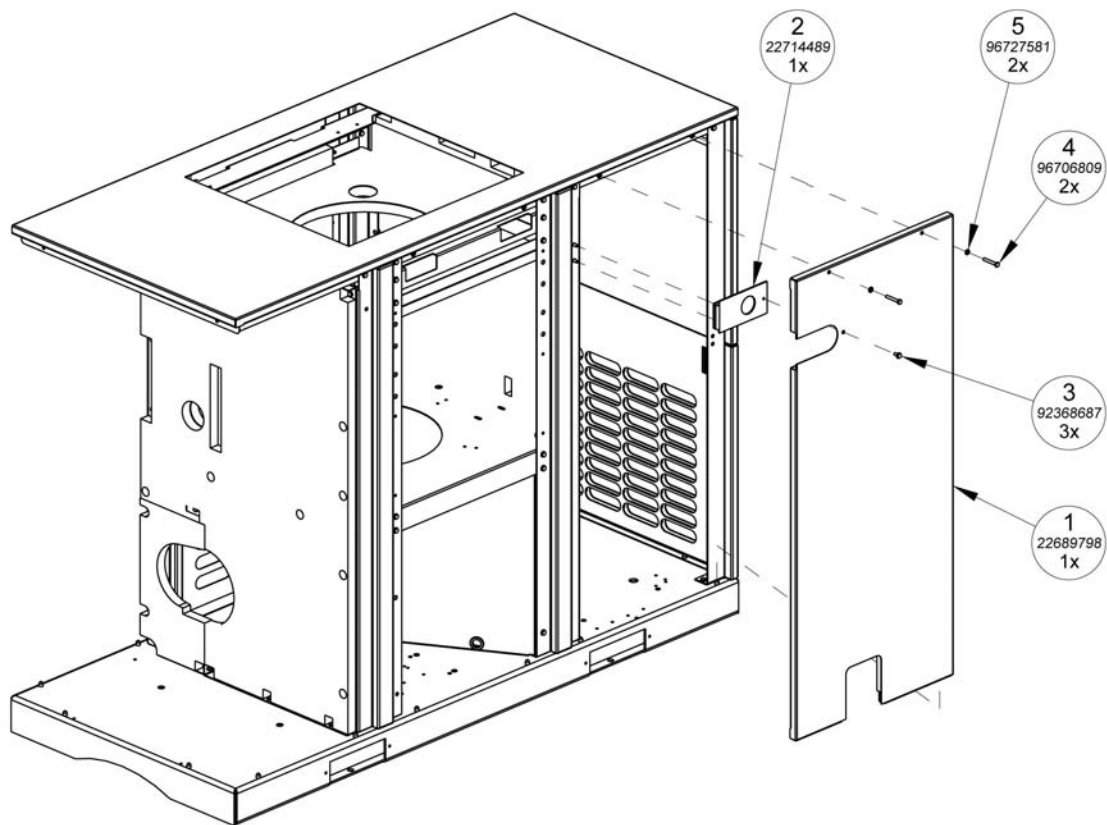
(Dwg. 22711691P18)

PARTS LIST

Item	Part No.	Description	Qty.
1	22791917	ASSEMBLY, SHEET METAL/FOAM (DRIVE ACCESS), 20-25 hp/15-18.5 kW	1
	22955769	ASSEMBLY, SHEET METAL/FOAM (DRIVE ACCESS), 30-40 hp/22-30 kW	1
2	23180565	LATCH, DOOR (NEMA 4) 28 mm HEAD / 24 mm OFFSET	2

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Customer Connections Panel to Base and Top Panel



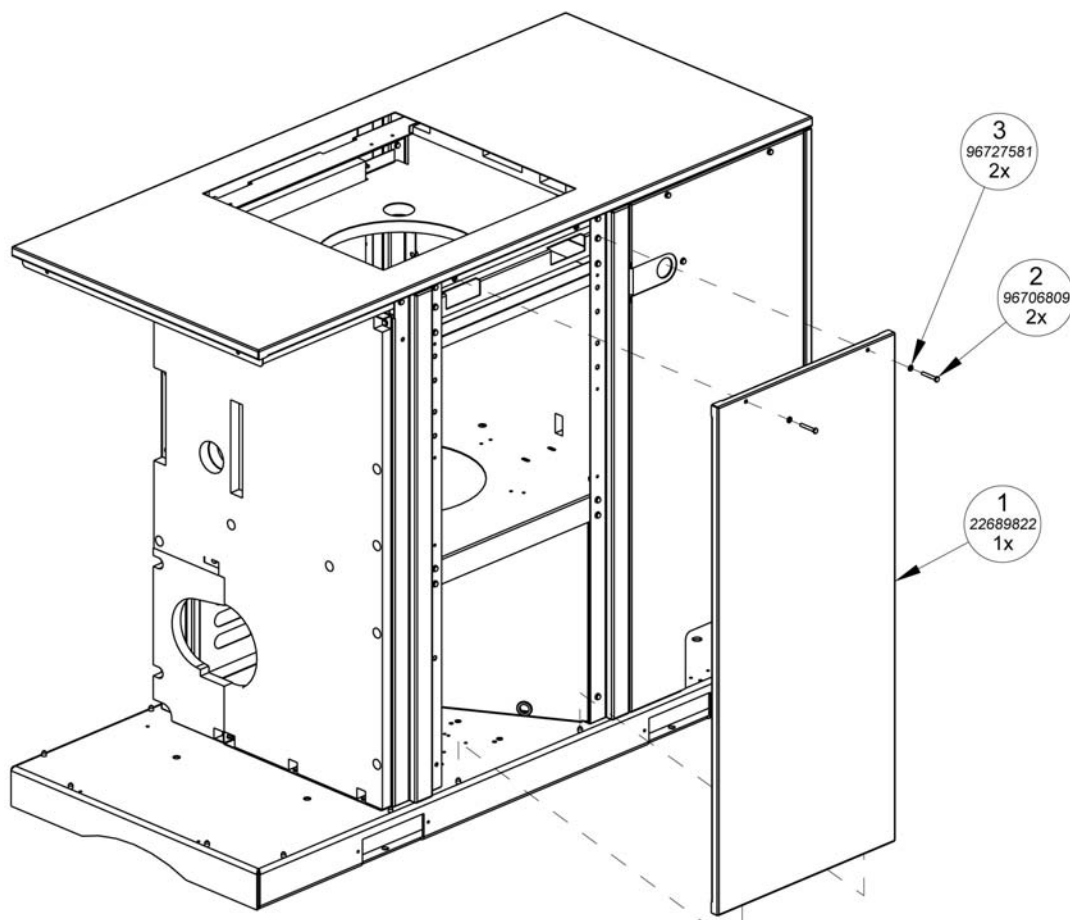
(Dwg. 22711691P19)

PARTS LIST

Item	Part No.	Description	Qty.
1	22689798	ASSEMBLY, SHEET METAL/FOAM (POWER-IN PANEL)	1
2	22714489	BRACKET, POWER-IN CONNECTION	1
3	92368687	TAPTITE SCREW M6-1 x 12 LONG	3
4	96706809	SCREW, HEX HEAD M6-1 x 40 LONG	2
5	96727581	WASHER, M6	2

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Center Rear Panel to Base and Top Panel



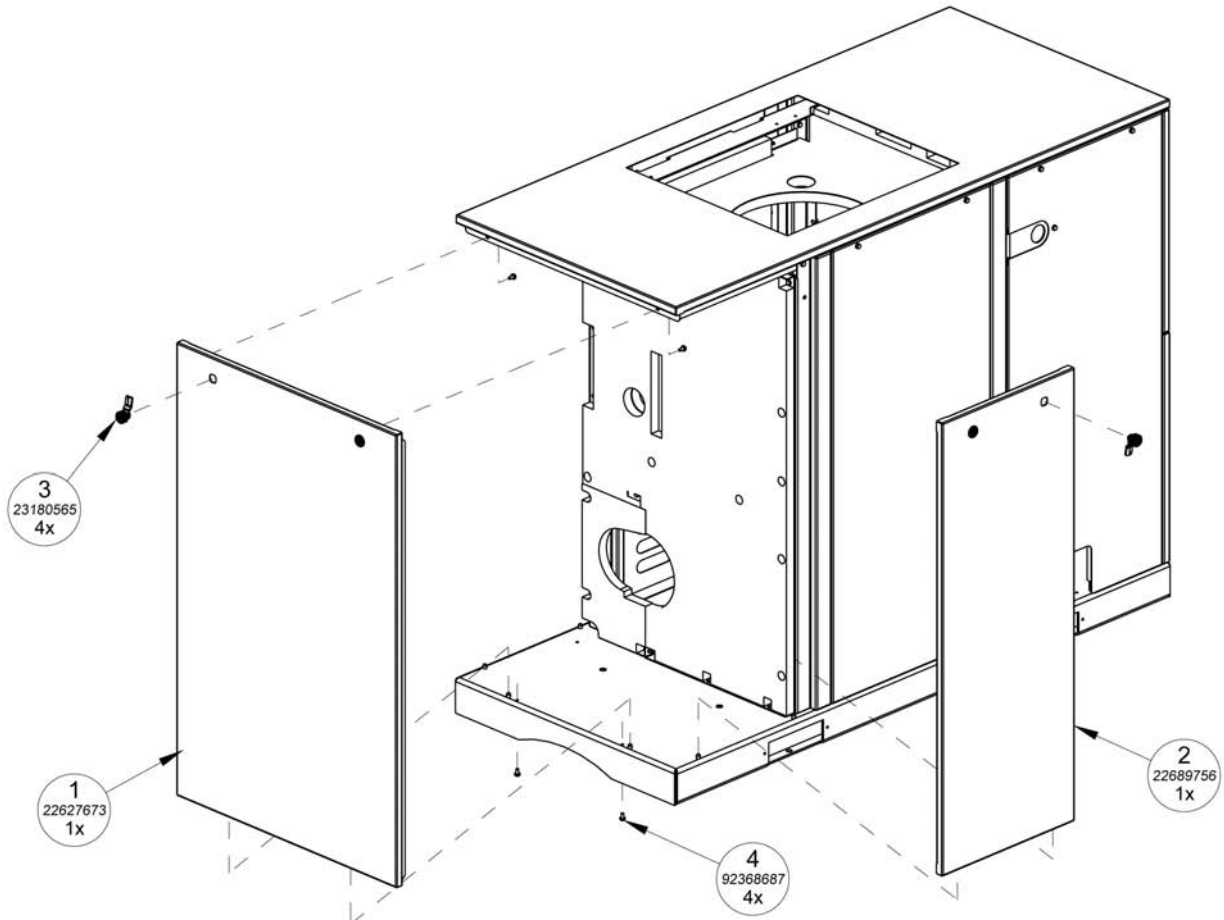
(Dwg. 22711691P20)

PARTS LIST

Item	Part No.	Description	Qty.
1	22689822	ASSY., SHEET METAL/FOAM (REAR BLOWER GUARD PANEL)	1
2	96706809	SCREW, HEX HEAD M6-1 x 40 LONG	2
3	96727581	WASHER, M6	2

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Side and End Panel to Base and Top Panel



(Dwg. 22711691P21)

PARTS LIST

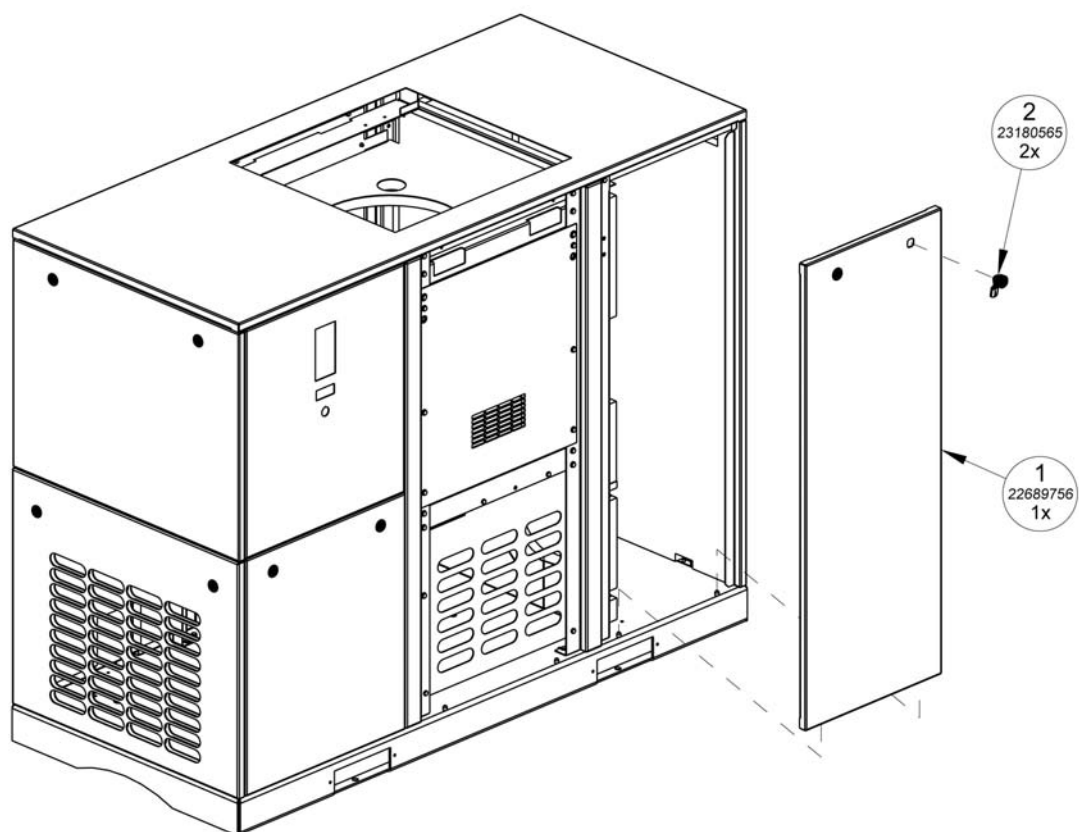
Item	Part No.	Description	Qty.
1	22627673	ASSY., SHEET METAL/FOAM (SIDE AIREND PANEL)	1
2	22689756	ASSY., SHEET METAL/FOAM (FILTER SERVICE PANEL)	1
3	23180565	LATCH, DOOR (NEMA 4) 28 mm HEAD / 24 mm OFFSET	4
4	92368687	TAPTITE SCREW M6-1 x 12 LONG	4

NOTE:

92368687 M6-1 x 12 SCREW USED FOR TRANSPORTATION ONLY TO SECURE 22627673.

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Front Airend Service Panel to Base and Top Panel



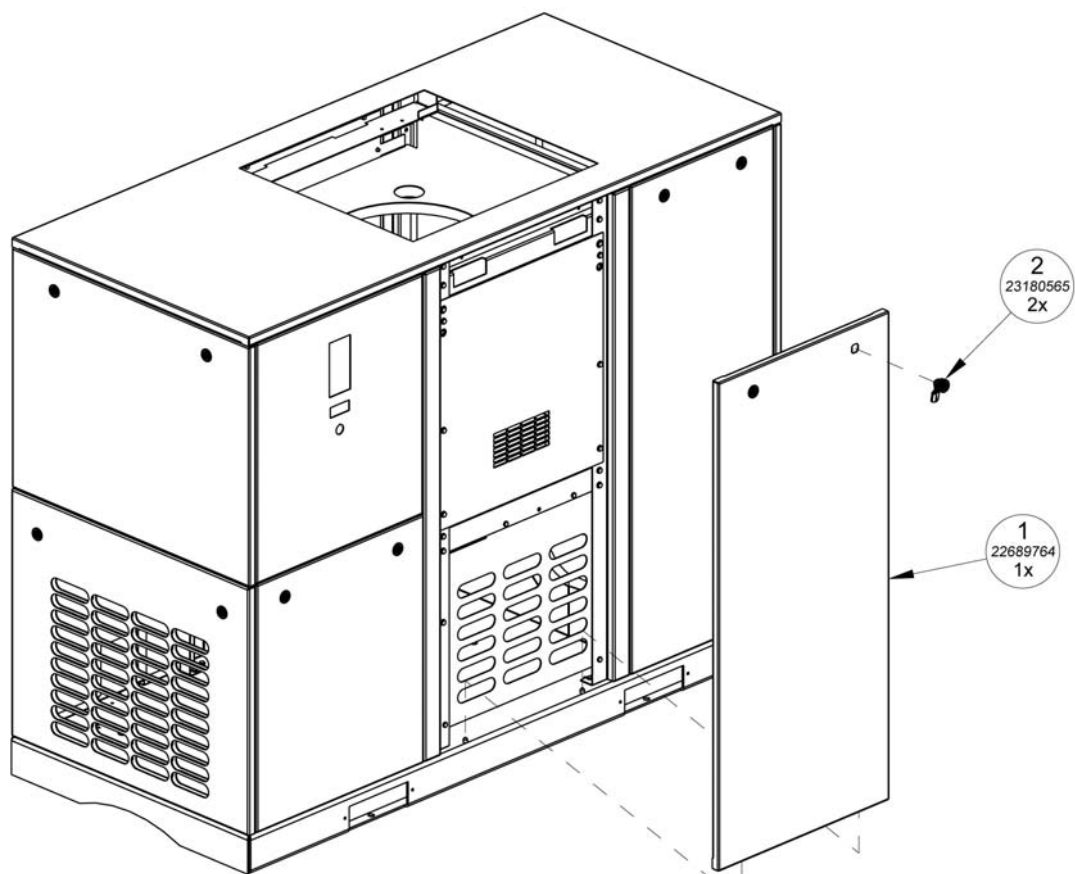
(Dwg. 22711691P22)

PARTS LIST

Item	Part No.	Description	Qty.
1	22689756	ASSY., SHEET METAL/FOAM (FILTER SERVICE PANEL)	1
2	23180565	LATCH, DOOR (NEMA 4) 28 mm HEAD / 24 mm OFFSET	2

ENCLOSURE ASSEMBLY DRAWING AND PARTS LIST

Assemble Front Center Panel to Base and Top Panel



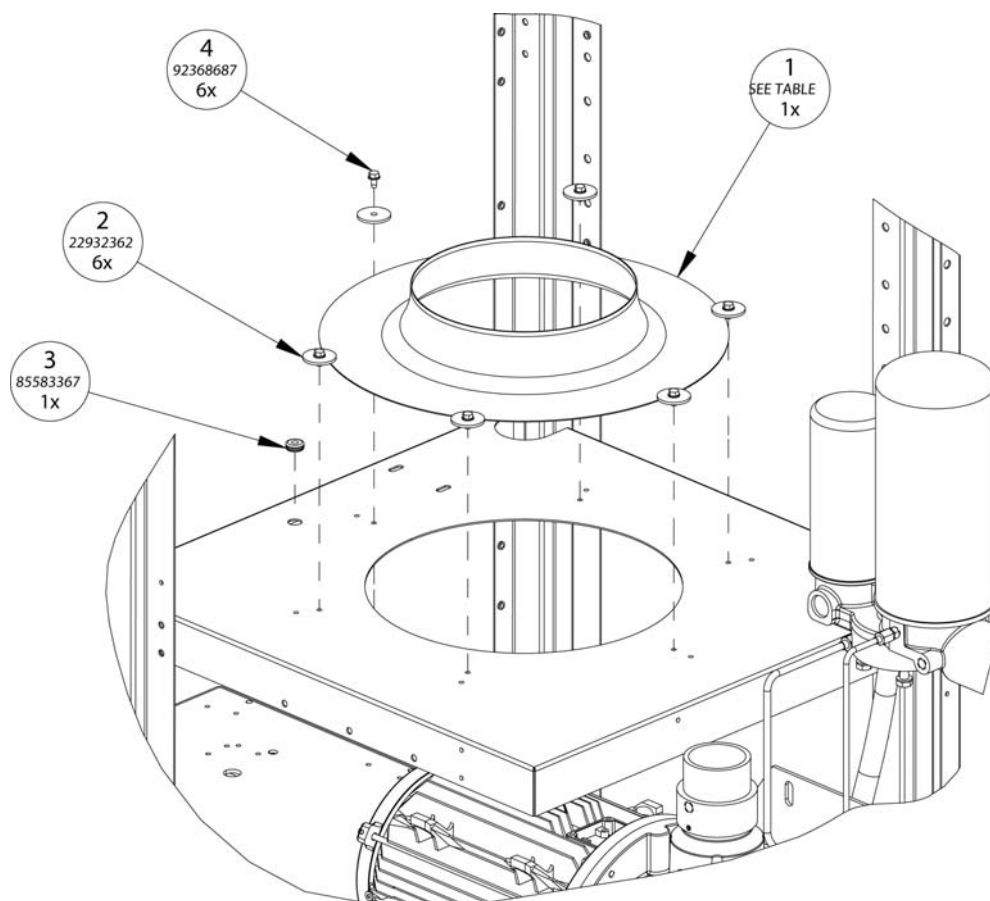
(Dwg. 22711691P23)

PARTS LIST

Item	Part No.	Description	Qty.
1	22689764	ASSY., SHEET METAL/FOAM (CENTER FIXED PANEL)	1
2	23180565	LATCH, DOOR (NEMA 4, 28 mm HEAD/24 mm OFFSET)	2

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Inlet Blower Cone to Divider Panel



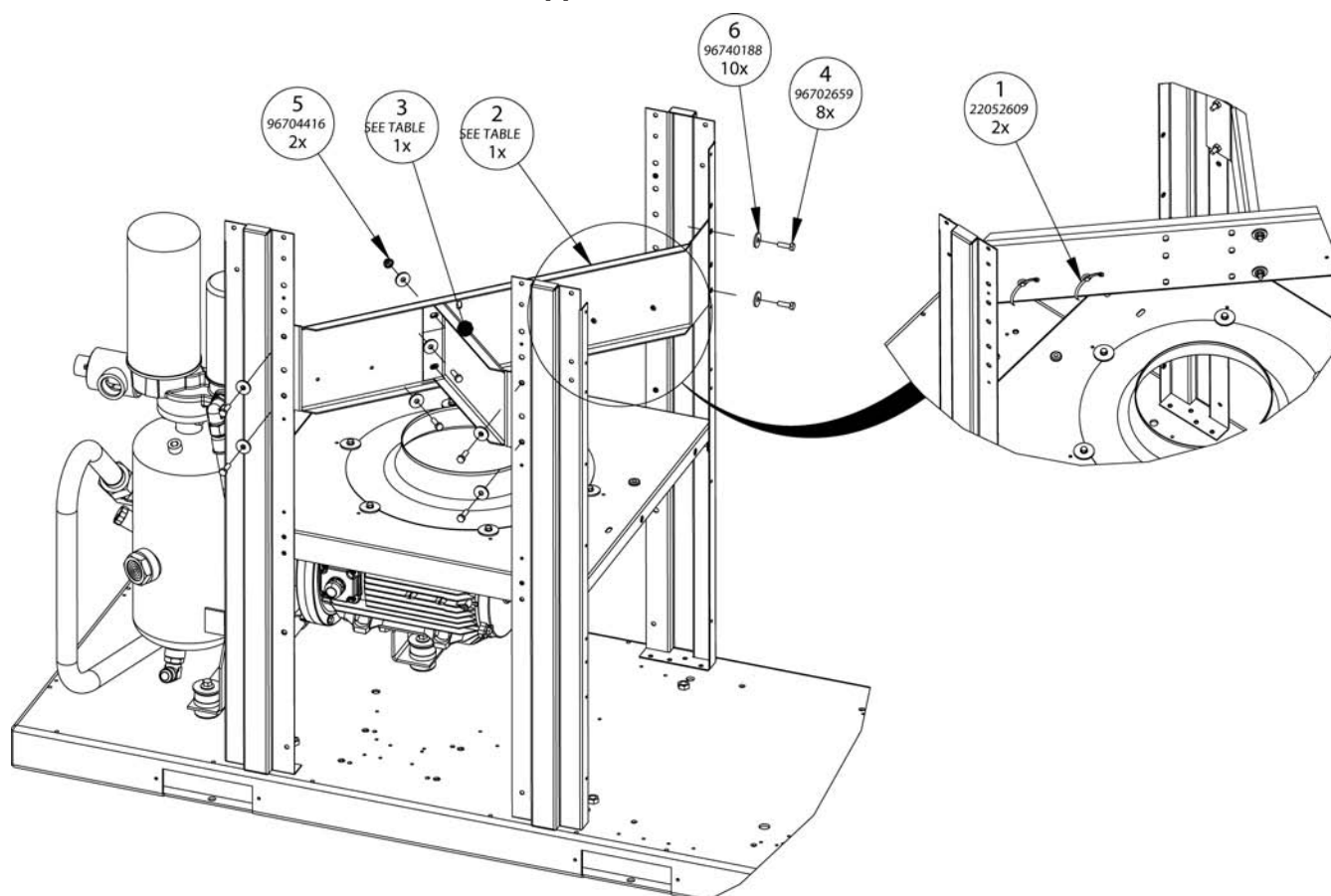
(Dwg. 22718589V2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22628945	CONE, INLET BLOWER, (15-18.5 kW/20-25 hp)	1
	22622120	CONE, INLET BLOWER, (22-30 kW/30-40 hp)	1
2	22932362	WASHER, JUMBO 6 mm 7 mm (9/32 INCH) ID x 38 mm (1 1/2 INCH) OD	6
3	85583367	GROMMET, INSULATION 0.3125 INCH I.D.	1
4	92368687	TAPTITE SCREW M6-1 x 12 LONG	6

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Motor Mounts to Panel Support Columns



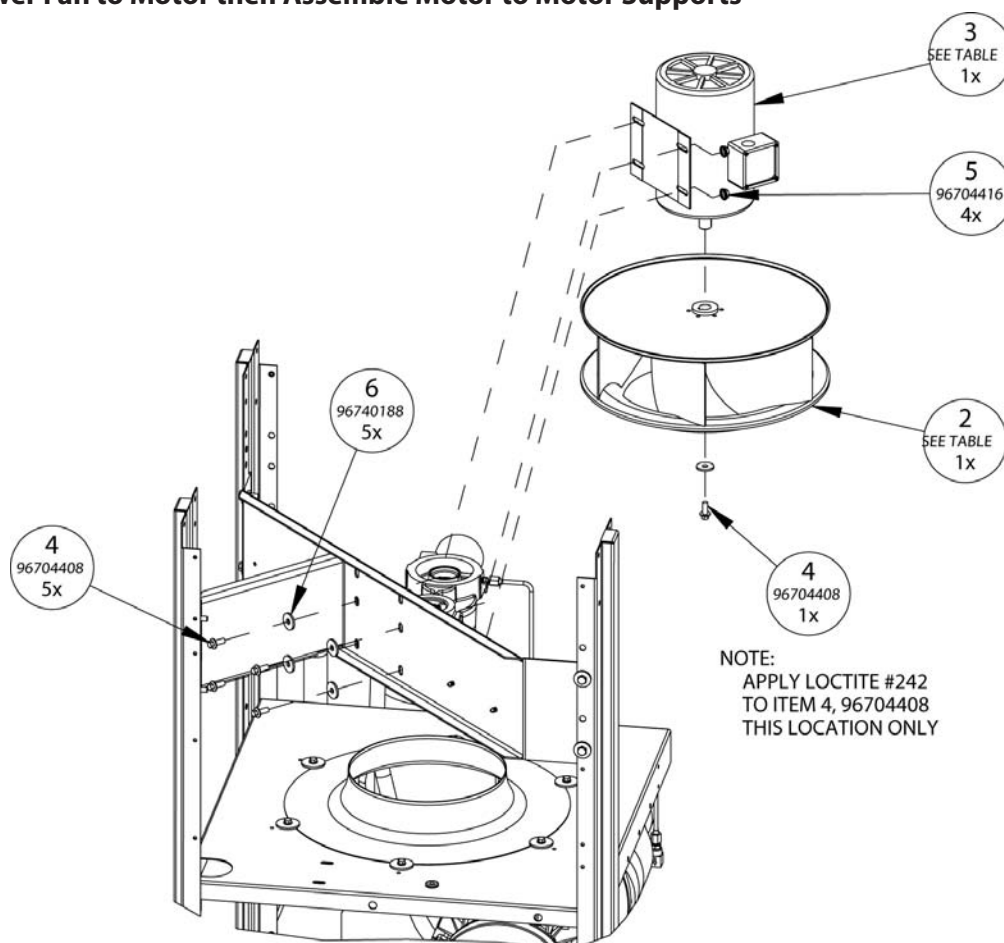
(Dwg. 22718589V3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22052609	TIE, CABLE - BASE	2
2	24180028	SUPPORT, BLOWER MOTOR 50 Hz	1
	22671887	SUPPORT, BLOWER MOTOR 60 Hz	1
3	24180010	BRACE, BLOWER MOTOR SUPPORT 50 Hz	1
	22812192	BRACE, BLOWER MOTOR SUPPORT 60 Hz	1
4	96702659	SCREW, HEX HEAD M8-1.25 x 25.0 LONG	8
5	96704416	NUT, HEX FLANGE LOCK SERRATED M8-1.25	2
6	96740188	WASHER, LARGE OUTSIDE DIAMETER, M8	10

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Blower Fan to Motor then Assemble Motor to Motor Supports



(Dwg. 22718589V4)

PARTS LIST

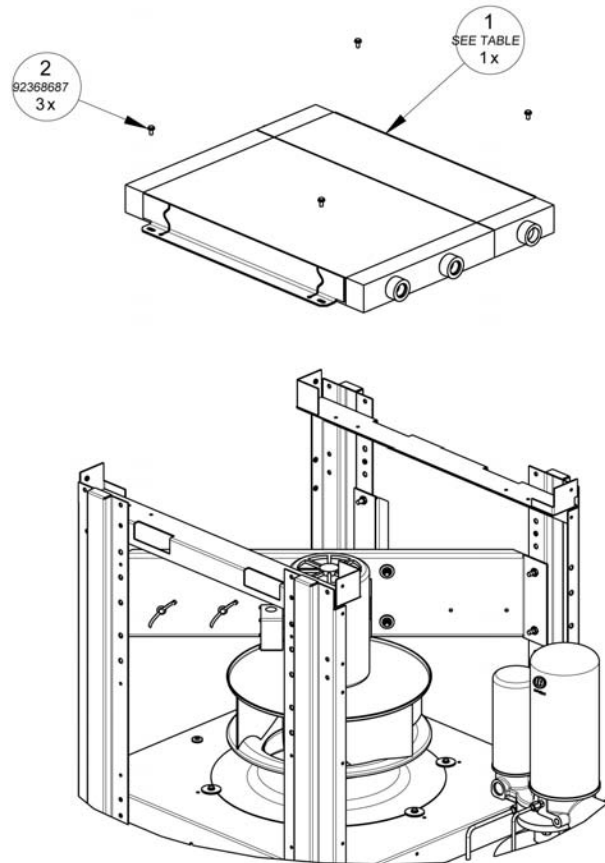
Item	Part No.	Description	Qty.
1	22455695	ASSY., CABLE FAN MOTOR (NOT SHOWN)	1
2	22685564	BLOWER, (15-18.5 kW/20-25 hp)	1
	22685556	BLOWER, (22-30 kW/30-40 hp)	1
3	22735427	MOTOR, BLOWER, 15-18.5 kW/20-25 hp (LOW VOLTAGE)	1
	22689889	MOTOR, BLOWER, 15-18.5 kW/20-25 hp (HIGH VOLTAGE)	1
	22737431	MOTOR, BLOWER, 22-30 kW/30-40 hp (LOW VOLTAGE)	1
	22737423	MOTOR, BLOWER, 22-30 kW/30-40 hp (HIGH VOLTAGE)	1
4	96704408	SCREW, HEX HEAD FLANGE M8 x 20 LONG	5
5	96704416	NUT, HEX FLANGE LOCK SERRATED M8-1.25	4
6	96740188	WASHER, LARGE OUTSIDE DIAMETER, M8	5

NOTE:

APPLY LOCTITE #242 TO ITEM 4, 96704408 THIS LOCATION ONLY.

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Inlet Blower Cone to Divider Panel



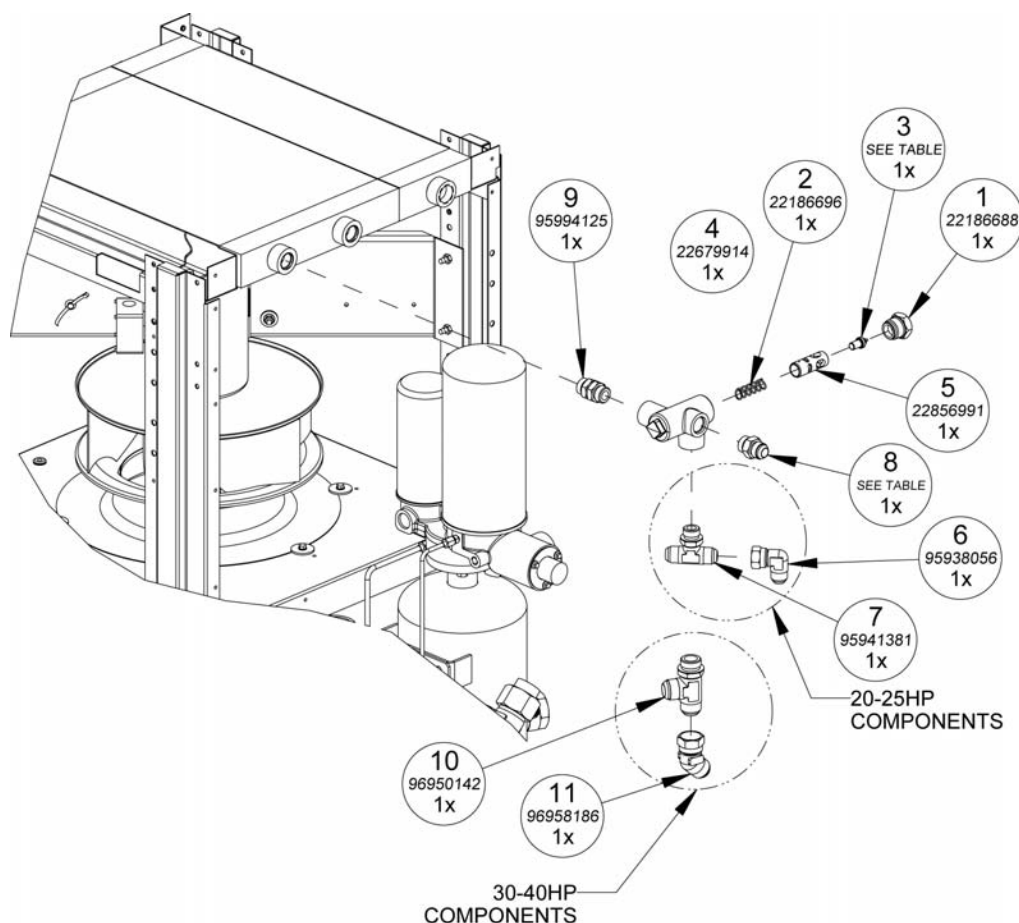
(Dwg. 22718589V5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22648539	COOLER, COMBINATION, 15-18.5 kW/20-25 hp	1
	22869119	COOLER, COMBINATION, 22-30 kW/30-40 hp	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	3

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Thermal Valve to Cooler



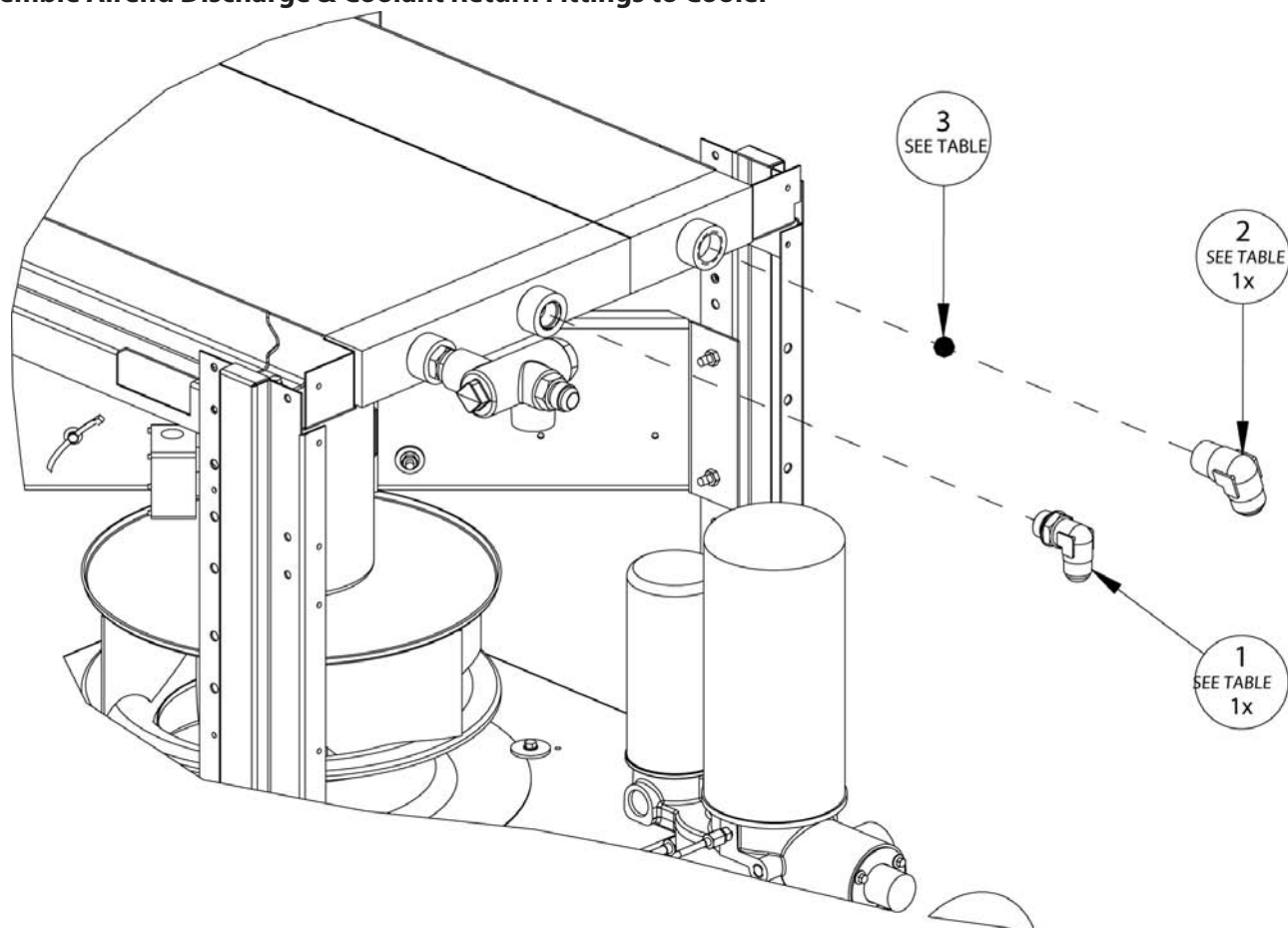
(Dwg. 22718589V6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22186688	PLUG, THERMAL VALVE (1.3125 SAE)	1
2	22186696	SPRING, THERMAL VALVE	1
3	22463368	ACTUATOR, THERMAL 181°F (20-30 hp/15-22 kW)	1
	24564080	ACTUATOR, THERMAL 178°F (40 hp / 30 kW)	1
4	22679914	MANIFOLD, THERMAL VALVE (MACHINED)	1
5	22856991	CAGE, THERMAL VALVE	1
6	95938056	ELBOW, 0.75 INCH TUBE x 0.75 INCH FEMALE TUBE (20-25 hp/15-18.5 kW)	1
7	95941381	TEE, BRANCH 0.75 INCH TUBE x 1.06 SAE (20-25 hp/15-18.5 kW)	1
8	95952867	CONNECTOR, (20-25 hp / 15-18.5 kW)	1
	95992558	CONNECTOR, (30-40 hp / 22-30 kW)	1
9	95994125	UNION, 1.06 SAE	1
10	96950142	TEE, RUN (30-40 hp / 22-30 kW)	1
11	96958186	ELBOW (30-40 hp / 22-30 kW)	1

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Discharge & Coolant Return Fittings to Cooler



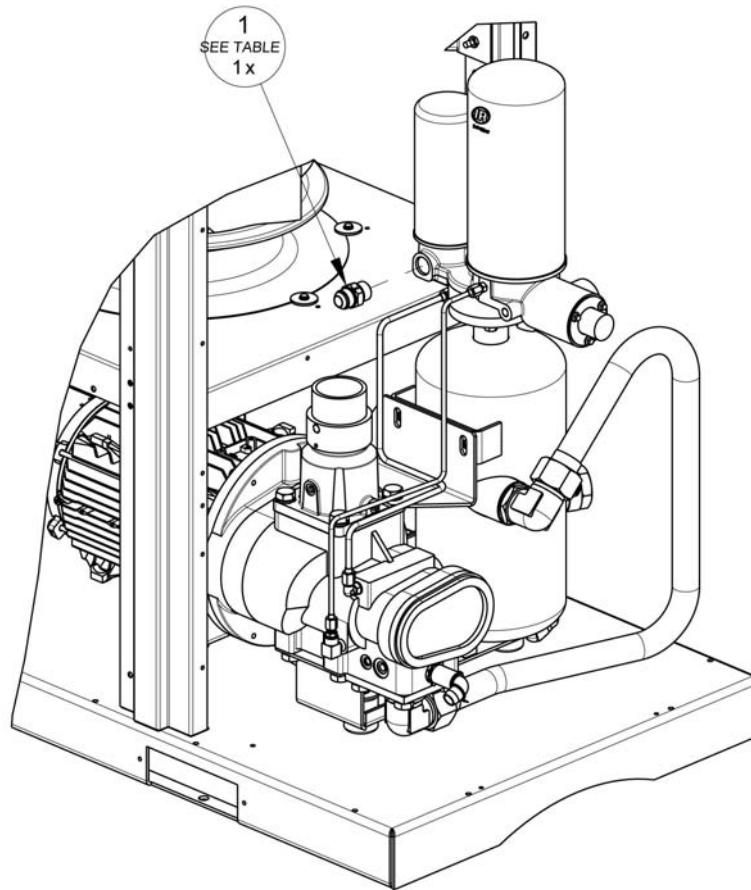
(Dwg. 22718589V7)

PARTS LIST

Item	Part No.	Description	Qty.
1	95938163	ELBOW, COOLER, 15-18.5 kW/20-25 hp	1
	95992558	ELBOW, COOLER, 22-30 kW/30-40 hp	1
2	96727870	ELBOW, AFTER-COOLER, 15-18.5 kW/20-25 hp	1
	92478221	ELBOW, AFTER-COOLER, 22-30 kW/30-40 hp	1
3	22769145	BUSHING, 22-30 kW/30-40 hp ONLY	1

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Coolant Return Fittings to Filter Manifold



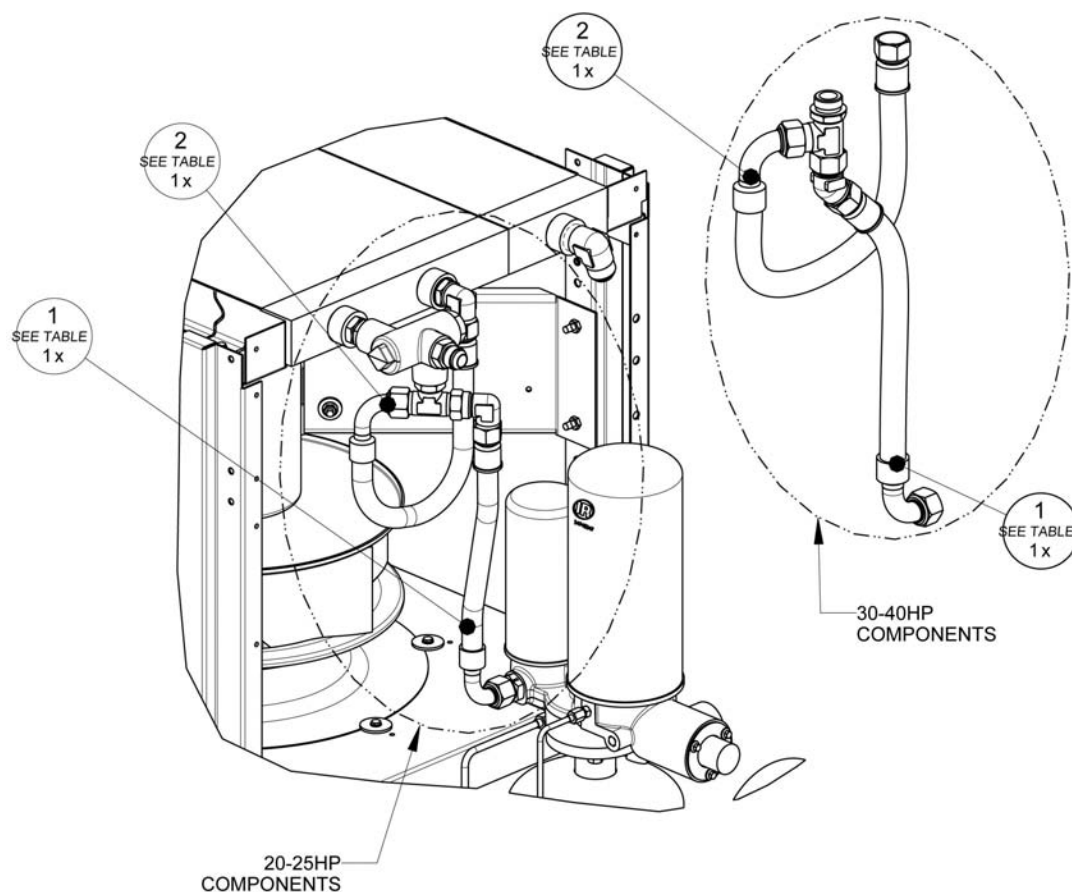
(Dwg. 22718589V8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22894786	VALVE, CHECK 15-18.5 kW/20-25 hp	1
	22916613	VALVE, CHECK 22-30 kW/30-40 hp	1

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Coolant Return Hoses



(Dwg. 22718589V9)

PARTS LIST

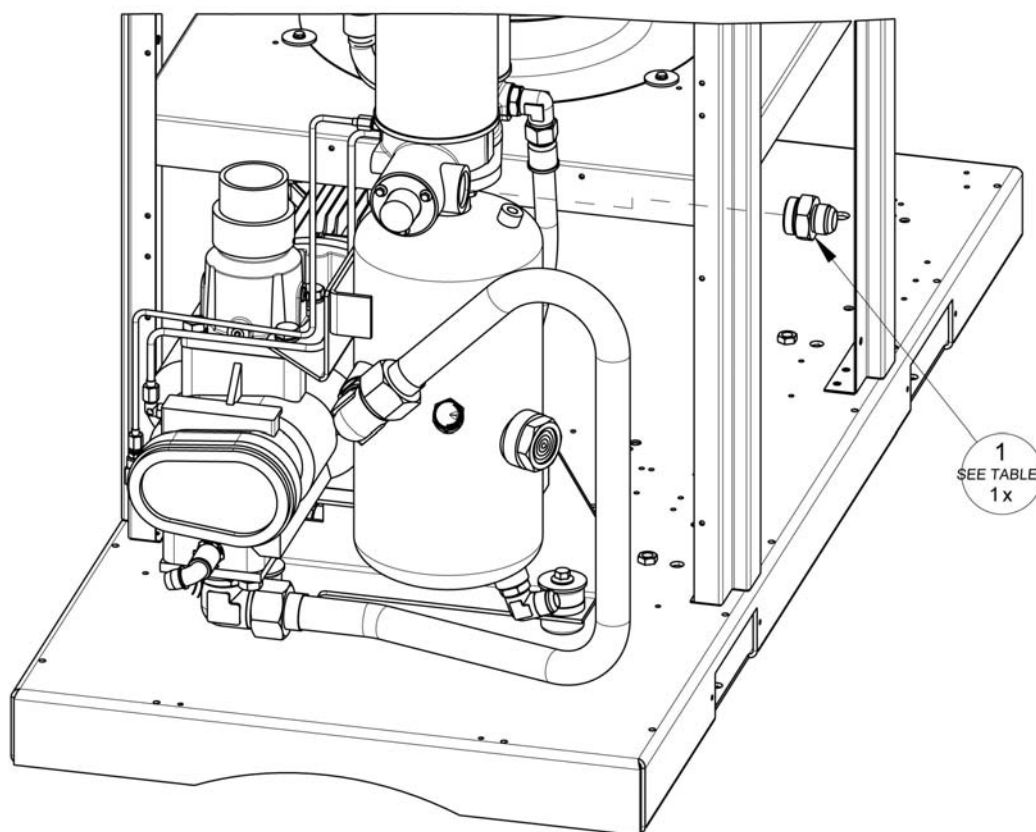
Item	Part No.	Description	Qty.
1	48662407	HOSE, WITH RUBBER 15-18.5 kW/20-25 hp	1
	24279234	HOSE, WITH PTFE, 15-18.5 kW/20-25 hp	1
	48662472	HOSE, WITH RUBBER 22-30 kW/30-40 hp	1
	24279259	HOSE, WITH PTFE, 22-30 kW/30-40 hp	1
2	48662399	HOSE, WITH RUBBER 15-18.5 kW/20-25 hp	1
	24279226	HOSE, WITH PTFE, 15-18.5 kW/20-25 hp	1
	48662480	HOSE, WITH RUBBER 22-30 kW/30-40 hp	1
	24279267	HOSE, WITH PTFE, 22-30 kW/30-40 hp	1

NOTE:

VERIFY HOSE DOES NOT CONTACT SCAVENGE LINE.

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Discharge Fitting to Filter Manifold



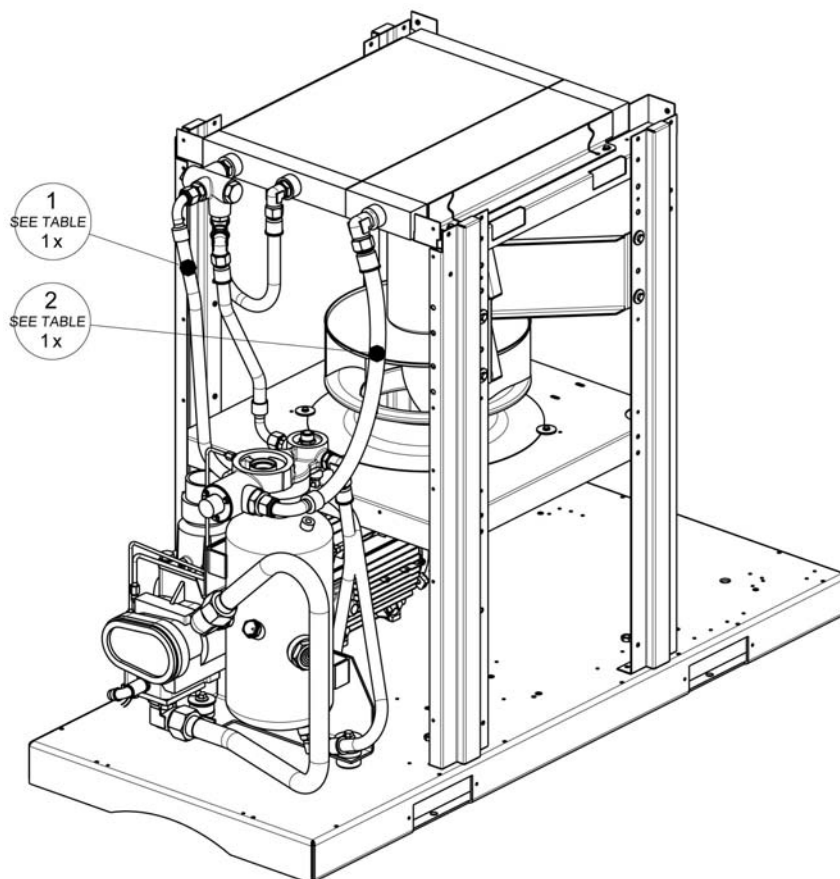
(Dwg. 22718589V10)

PARTS LIST

Item	Part No.	Description	Qty.
1	95974291	CONNECTOR, 15-18.5 kW/20-25 hp	1
	95938189	CONNECTOR, 22-30 kW/30-40 hp	1

COOLING SYSTEM ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend to Cooler Hose and Assemble Airend Discharge Hose



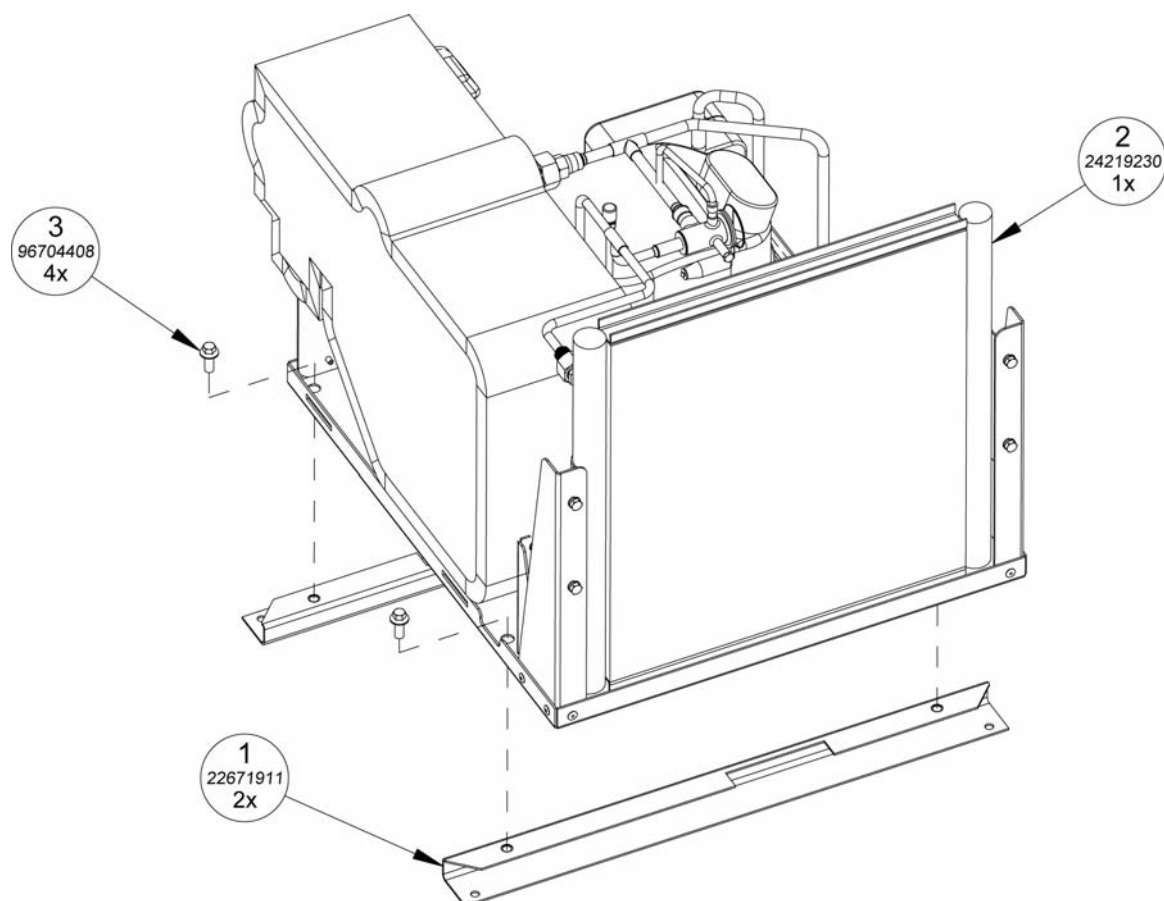
(Dwg. 22718589V11)

PARTS LIST

Item	Part No.	Description	Qty.
1	48662365	HOSE, WITH RUBBER, 15-18.5 kW/20-25 hp	1
	24279192	HOSE, WITH PTFE, 15-18.5 kW/20-25 hp	1
	48662456	HOSE, WITH RUBBER, 22-30 kW/30-40 hp	1
	24279242	HOSE, WITH PTFE, 22-30 kW/30-40 hp	1
2	48662480	HOSE, WITH RUBBER, 15-18.5 kW/20-25 hp	1
	24279267	HOSE, WITH PTFE, 15-18.5 kW/20-25 hp	1
	85561785	HOSE, WITH RUBBER, 22-30 kW/30-40 hp	1
	NA	HOSE, WITH PTFE, 22-30 kW/30-40 hp	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Support Brackets to Dryer Base



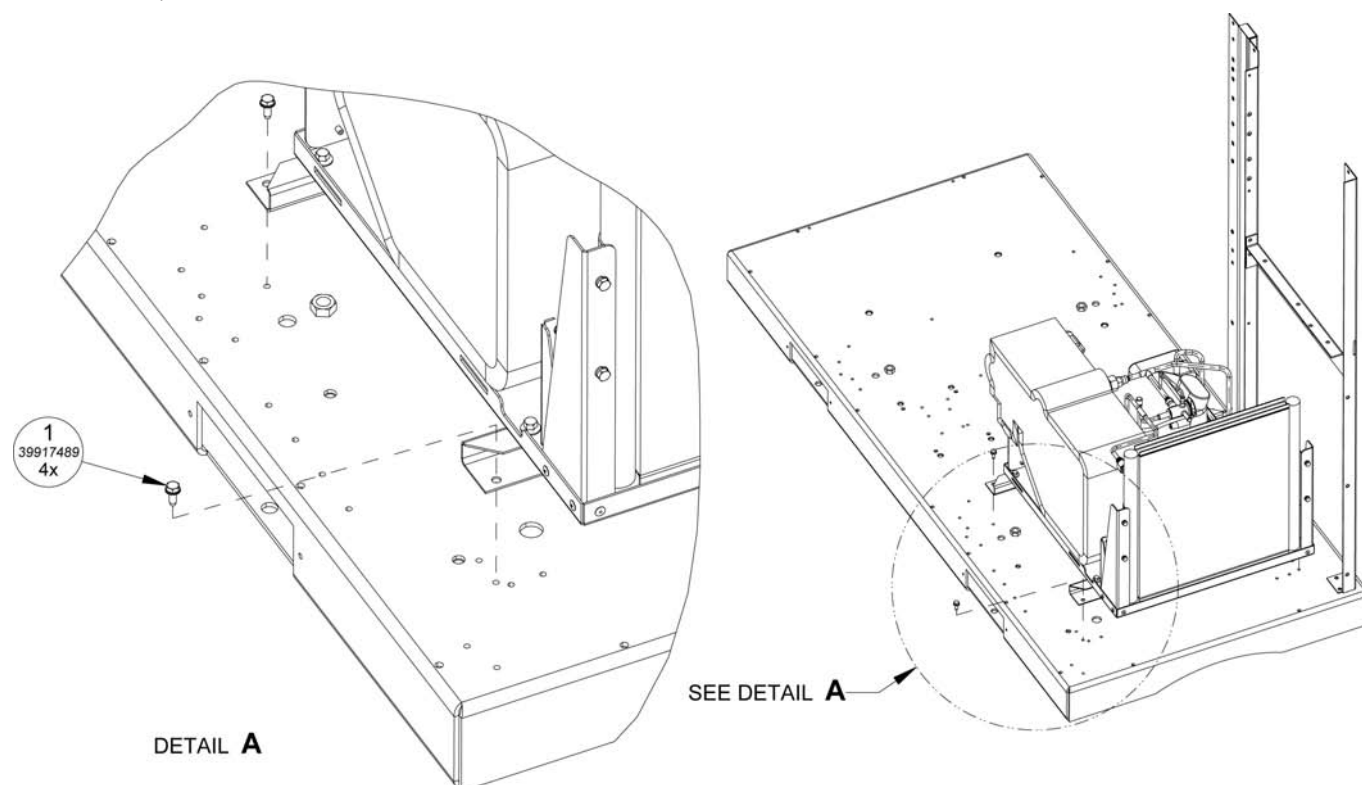
Dwg. 22719199V2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22671911	SUPPORT, DRYER MOUNT (20-25 hp/15-18.5 kW)	2
2	24219230	ASSEMBLY, DRYER 230 V (20-25 hp/15-18.5kW)	1
3	96704408	SCREW, HEX HEAD FLANGE M8 x 20 LONG	4

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Mount Supports to Base



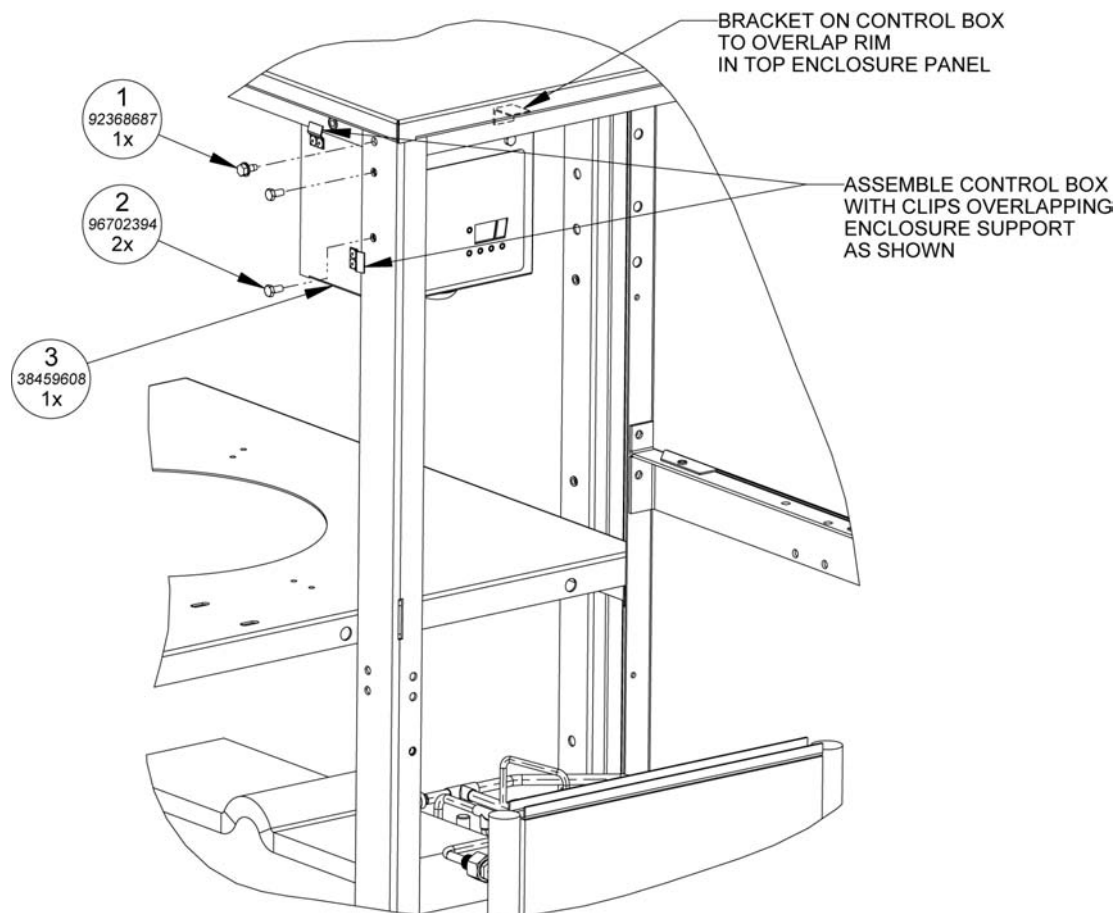
(Dwg. 22719199V3)

PARTS LIST

Item	Part No.	Description	Qty.
1	39917489	SCREW, SELF THREADING M6 x 16 LONG	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filter Support Bracket to Dryer Filter Support Brace



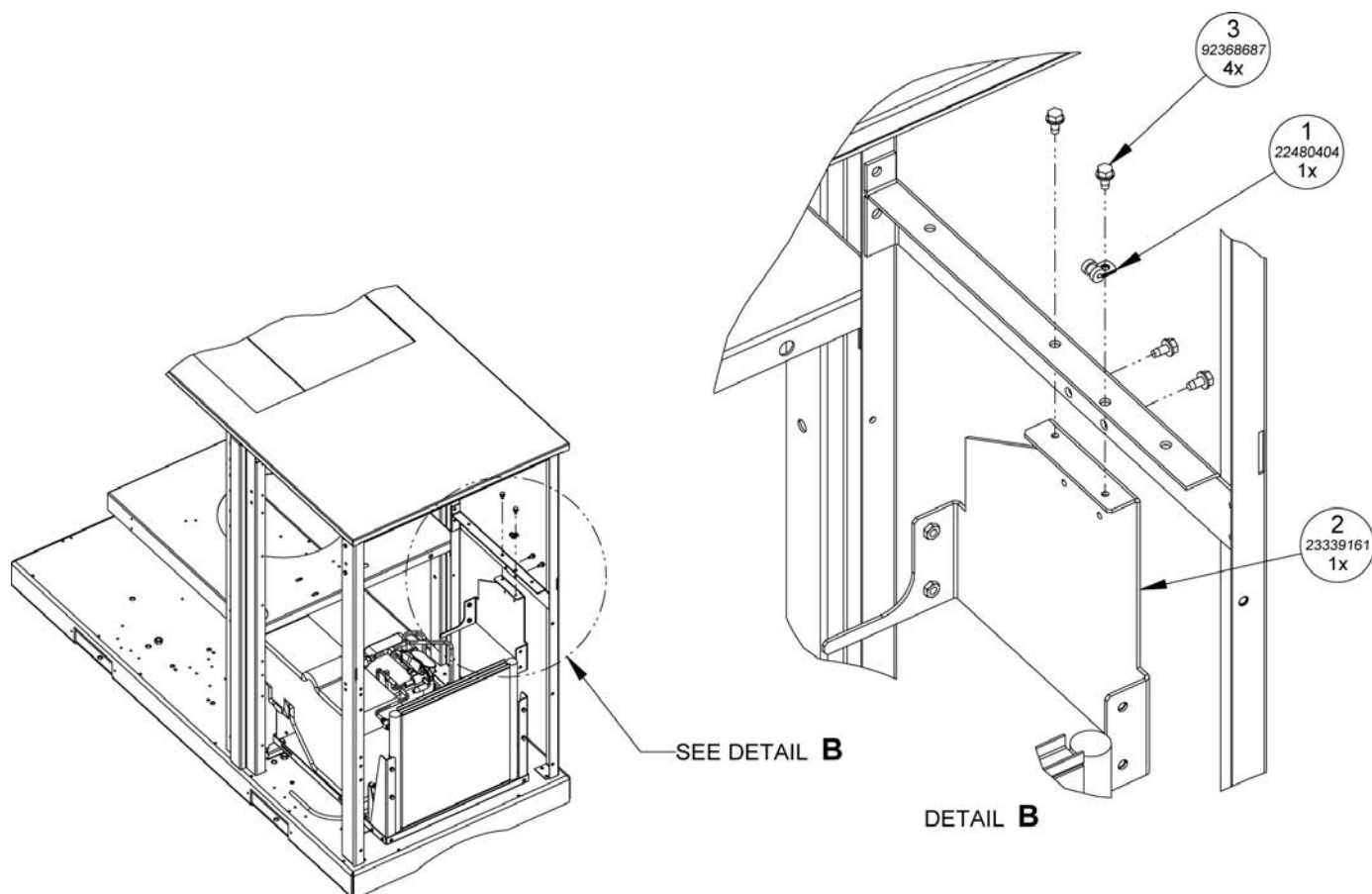
(Dwg. 22719199V4)

PARTS LIST

Item	Part No.	Description	Qty.
1	92368687	TAPTITE SCREW, M6-1 x 12 LONG	1
2	96702394	SCREW, HEX HEAD M6-1 x12 LONG	2
3	38459608	CONTROLLER, DRYER	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filter Support Bracket to Dryer Filter Support Brace



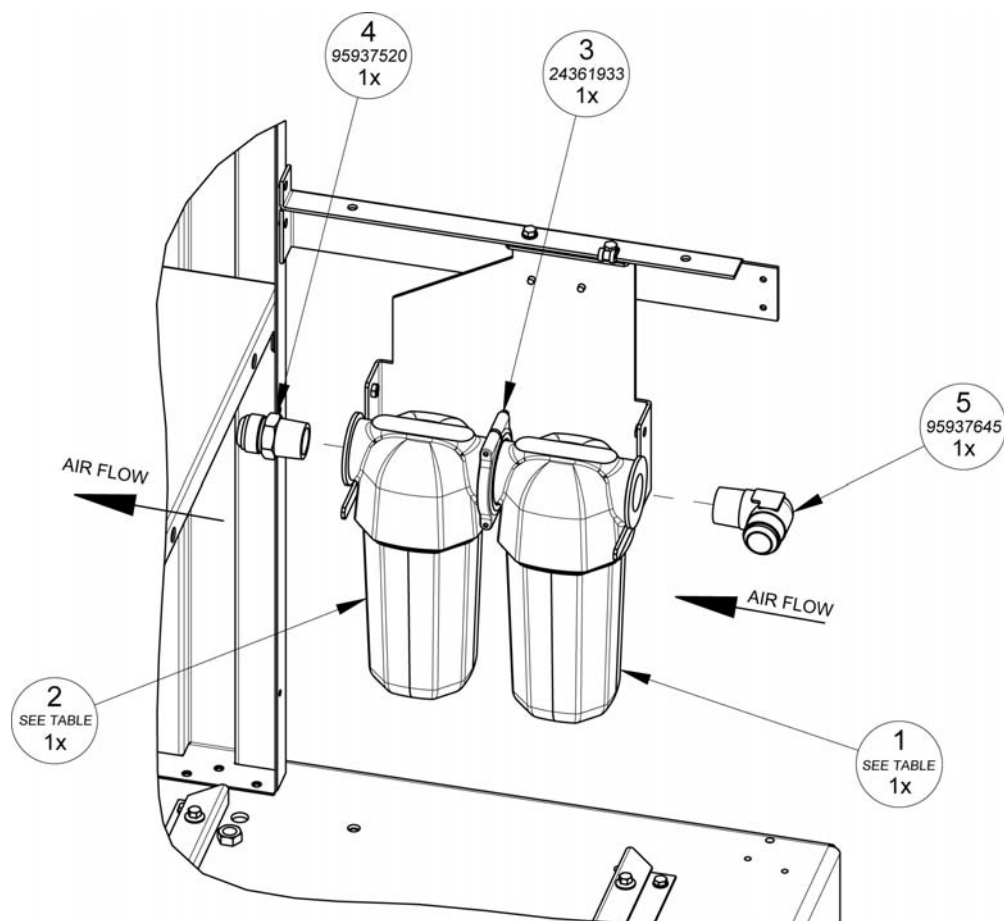
(Dwg. 22719199V5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22480404	CLAMP, 0.25 INCH TUBE INSULATED	1
2	23339161	BRACKET, DRYER FILTER MOUNTING, 20-25 hp/15-18.5 kW	1
3	92368687	TAPTITE SCREW M6-1 x 12 LONG	4

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filter Support Bracket to Dryer Filter Support Brace



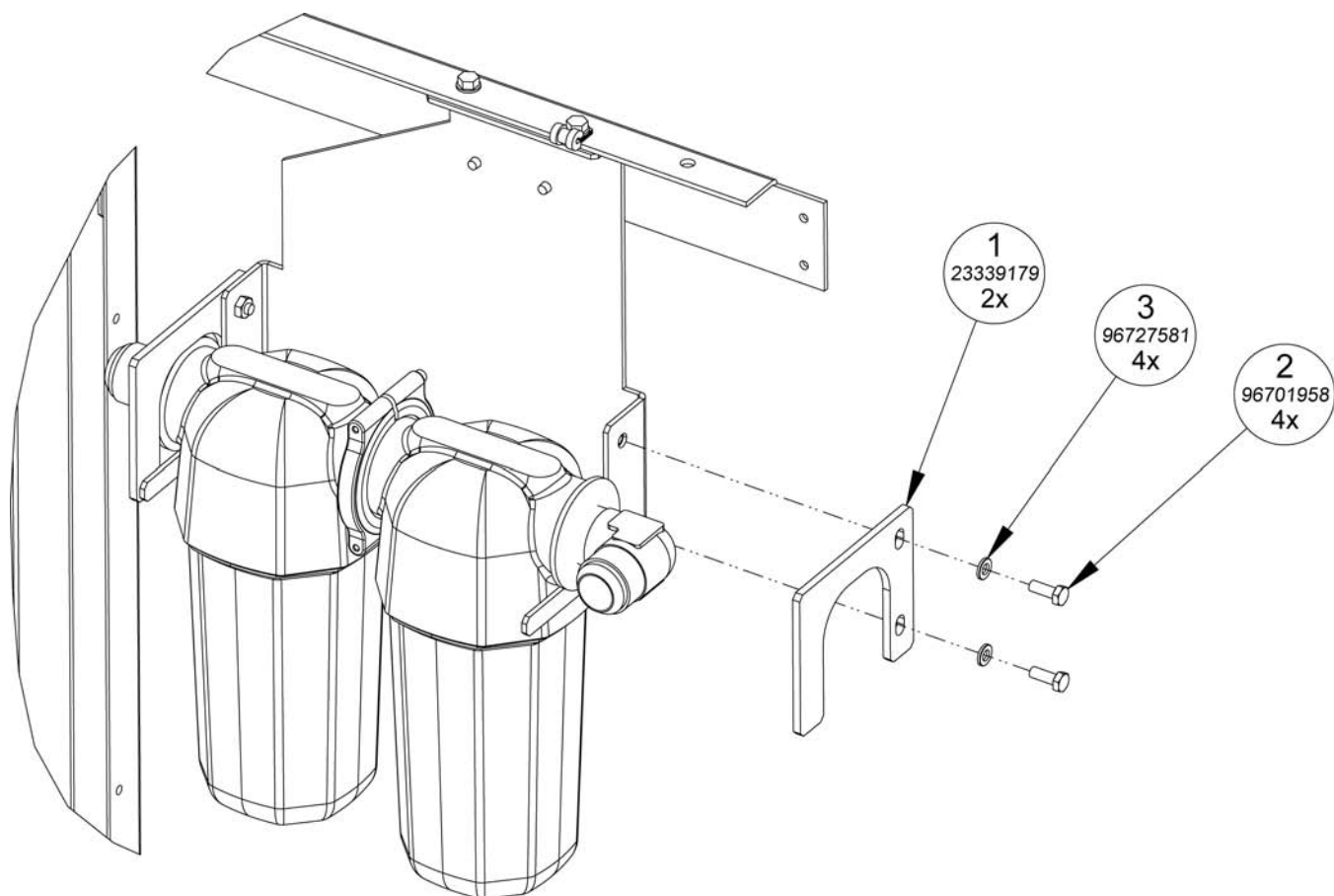
(Dwg. 22719199V6)

PARTS LIST

Item	Part No.	Description	Qty.
1	24233694	FILTER, (FA 23 IGX) (F-CAST SERIES) (ELEMENT 24242141)	1
	85567287	FILTER, (DH F 212 IGX) (ELIMINATOR SERIES) (ELEMENT 85565703)	1
2	24233710	FILTER (FA 230 IHX) (F-CAST SERIES) (ELEMENT 24242166)	1
	85567295	FILTER, (DH F 212 IHX) (ELIMINATOR SERIES) (ELEMENT 85565711)	1
3	24361933	CLAMP, FILTER	1
4	95937520	CONNECTOR, 1.00 INCH TUBE x 1.00 NPT	1
5	95937645	ELBOW, 1.00 INCH TUBE x 1.00 NPT	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filter End Clamps to Filter Support Bracket



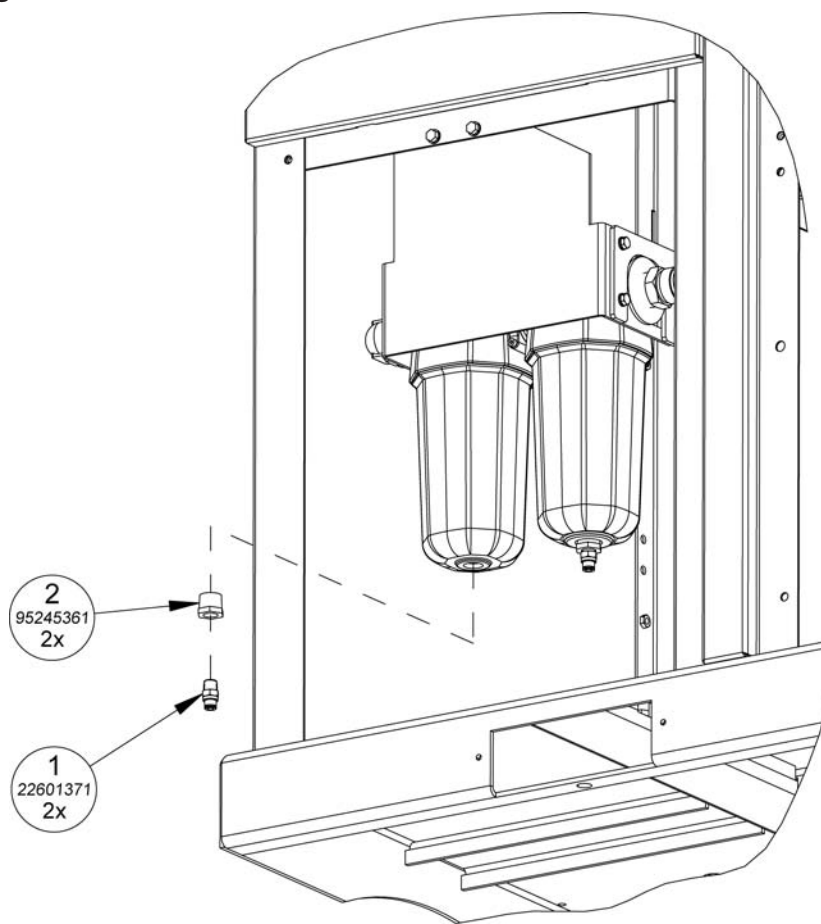
(Dwg. 22719199V7)

PARTS LIST

Item	Part No.	Description	Qty.
1	23339179	CLAMP, DRYER FILTER MOUNTING. 20-40 hp/15-30 kW	2
2	96701958	SCREW, HEX HEAD M6-1 x 16 LONG	4
3	96727581	WASHER, M6	4

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube Fitting to Bottom of Filters



(Dwg. 22719199V8)

PARTS LIST

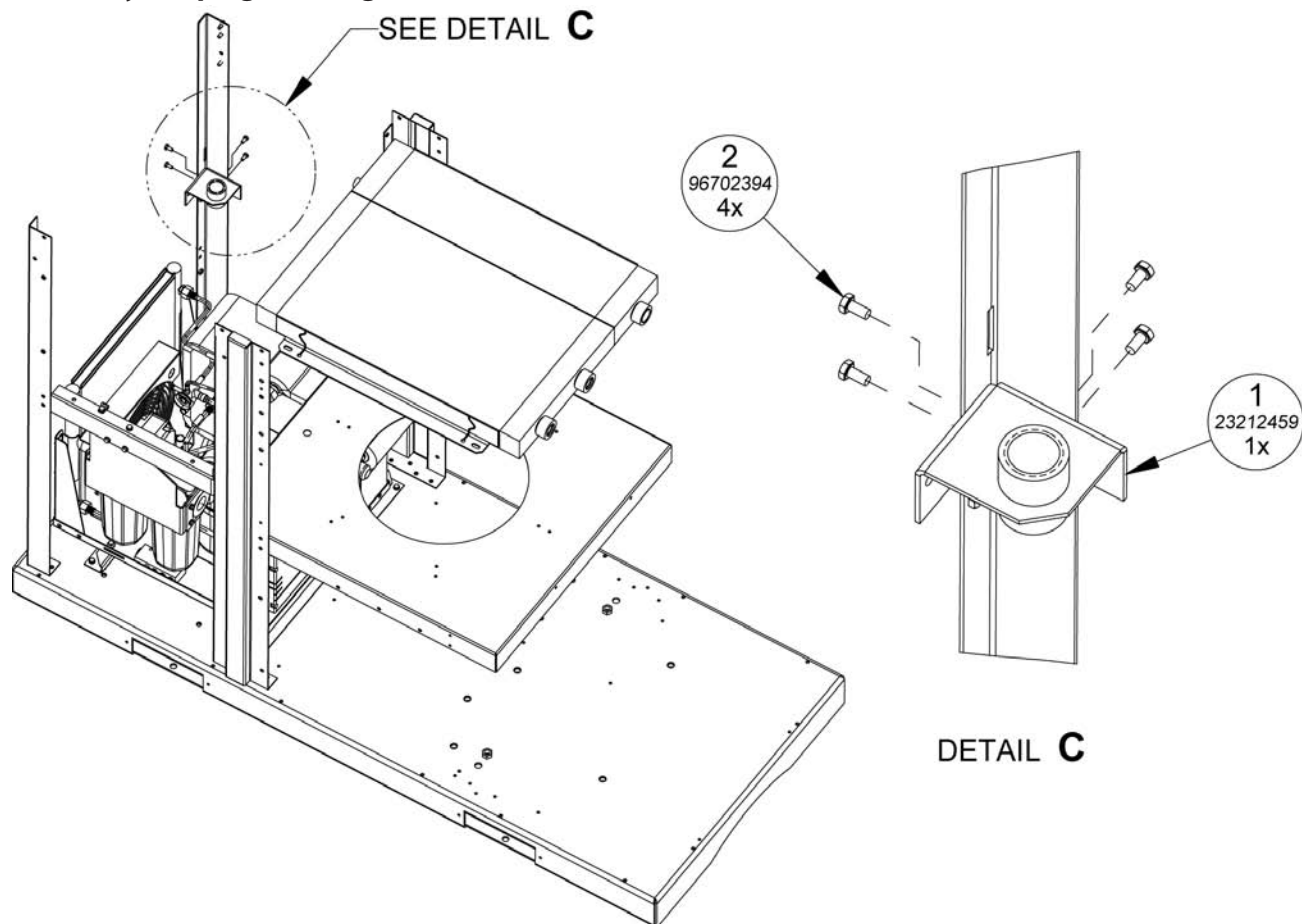
Item	Part No.	Description	Qty.
1	22601371	CONNECTOR, MALE, 0.25 NPT x 6 mm TUBE	2
2	95245361	BUSHING, REDUCER, 0.50 NPT x 0.25 FNPT	2

NOTES:

ASSEMBLE 6 MM TUBES (SUPPLIED WITH DRYER) FROM CONDENSATE MANIFOLD INTO FILTER CONNECTORS.

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Piping Discharge Bracket to Column



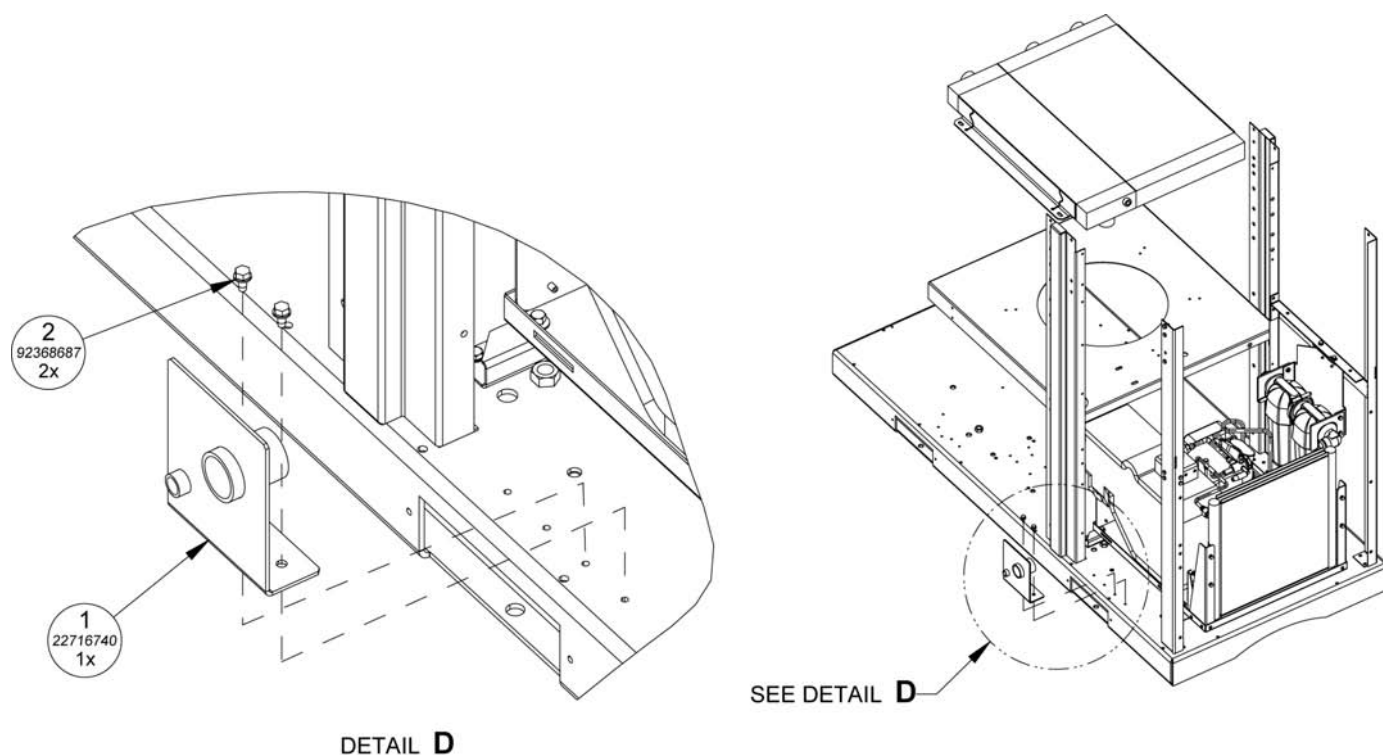
(Dwg. 22719199V9)

PARTS LIST

Item	Part No.	Description	Qty.
1	23212459	BRACKET, DRYER PIPING DISCH. (1.00 NPT)	1
2	96702394	SCREW, HEX HEAD M6-1 x 12 LONG	4

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Air Discharge Bracket to Base



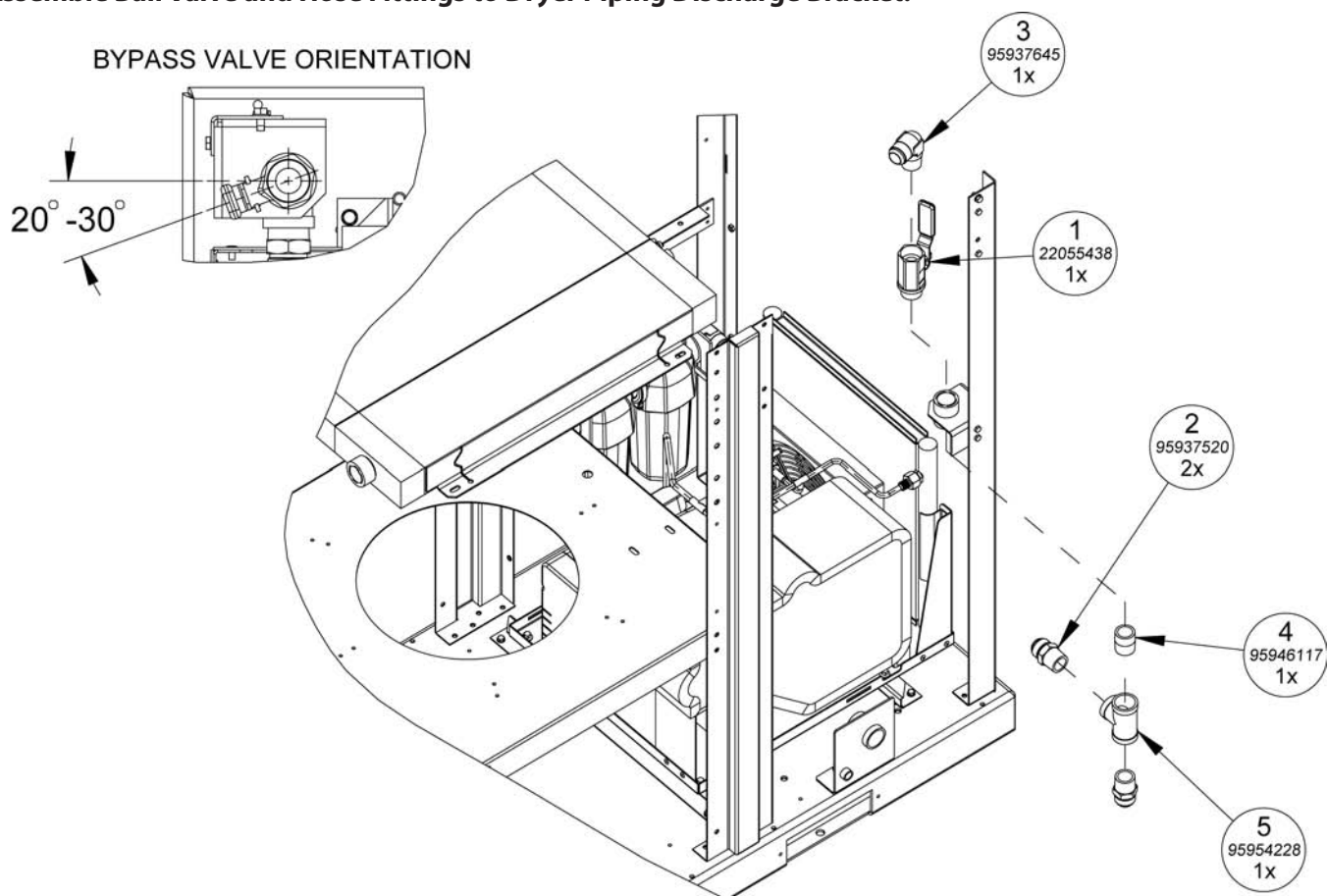
(Dwg. 22719199V10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22716740	BRACKET, AIR DISCHARGE	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	2

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Ball Valve and Hose Fittings to Dryer Piping Discharge Bracket.



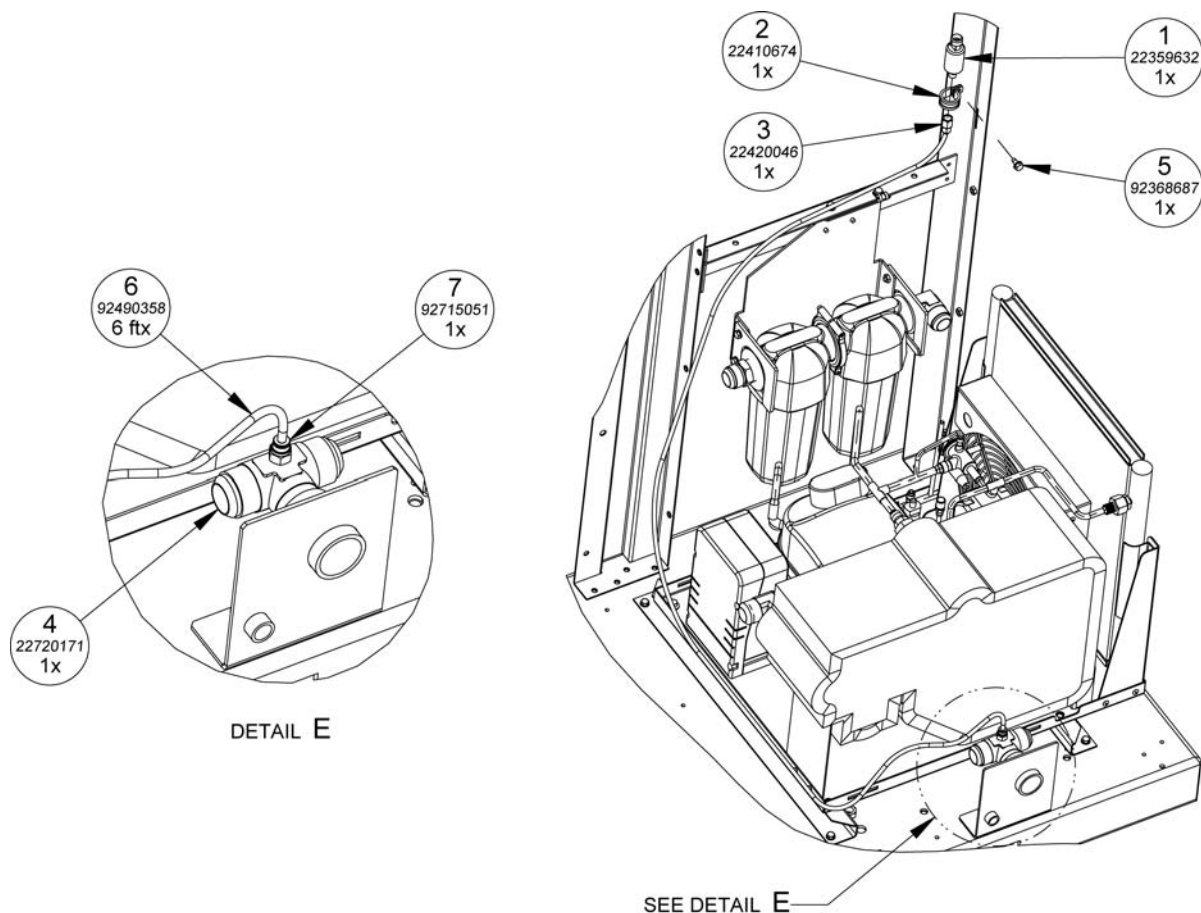
(Dwg. 22719199V11)

PARTS LIST

Item	Part No.	Description	Qty.
1	22055438	VALVE, BALL 1.00 NPT x 1.00 FNPT	1
2	95937520	CONNECTOR, 1.00 INCH TUBE x 1.00 NPT	2
3	95937645	ELBOW, 1.00 INCH TUBE x 1.00 NPT	1
4	95946117	NIPPLE, EXTRA STRONG 1.00 NPT x 1.50 INCH LONG	1
5	95954228	TEE, 1.00 FNPT	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Hose Fitting to Air Discharge Bracket, Pressure Transducer and Line.



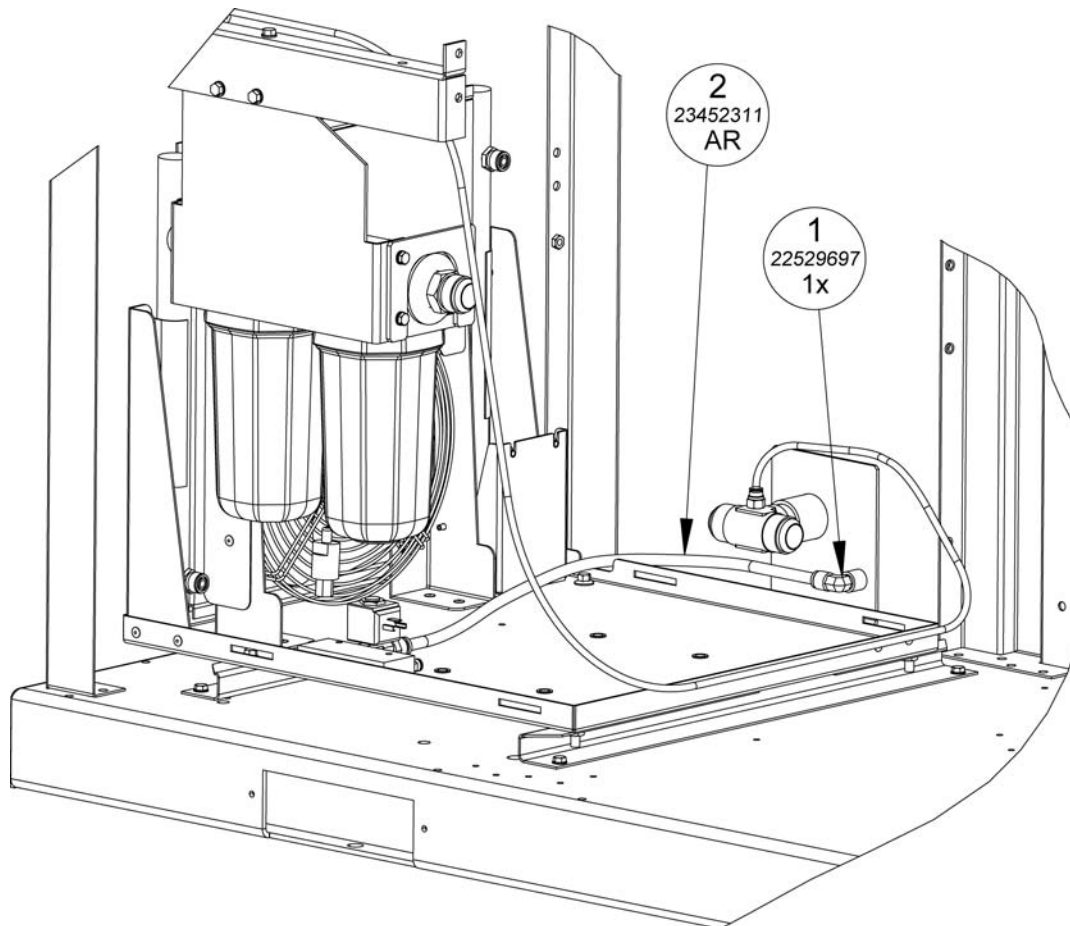
(Dwg. 22719199V12)

PARTS LIST

Item	Part No.	Description	Qty.
1	22359632	TRANSDUCER, PRESSURE 16 BAR, 4-20 mA	1
2	22410674	CLAMP, INSULATED (FOR 1 INCH O.D.)	1
3	22420046	CONNECTOR, METRU-LOK 6 mm TUBE x 0.13 FNPT	1
4	22720171	TEE, 1 NPT BRANCH (W/SIDE PORT)	1
5	92368687	TAPTITE SCREW M6-1 x 12 LONG	1
6	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	6 ft.
7	92715051	ADAPTOR STRAIGHT	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Drain Line and Fittings to Drain Valve and Air Discharge Bracket



(Dwg. 22719199V13)

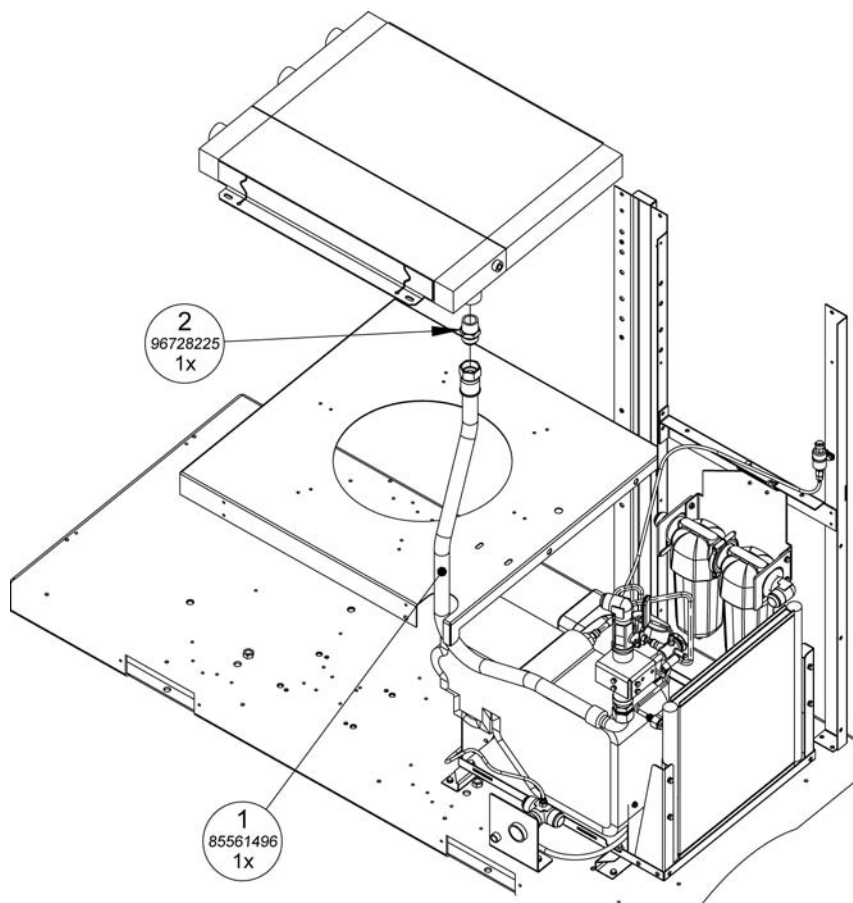
PARTS LIST

Item	Part No.	Description	Qty.
1	22529697	ELBOW, 90 METRIC PUSHIN 10 mm x 0.25 BSPT	1
2	23452311	TUBING, 10 mm	AR

AR - AS REQUIRED.

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Hose from Cooler to Dryer Piping Discharge Bracket



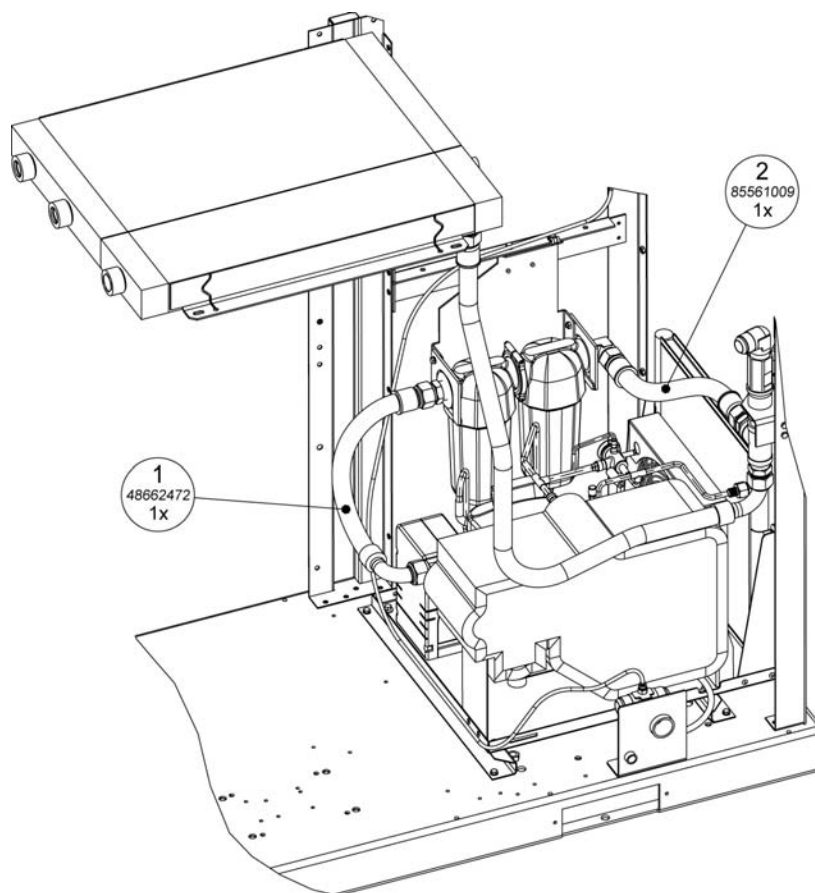
(Dwg. 22719199V14)

PARTS LIST

Item	Part No.	Description	Qty.
1	85561496	HOSE, HYD. STR x 90 DEG -16 x 46 INCH LONG	1
2	96728225	CONNECTOR, 1.00 INCH TUBE x 1.00 BSPT	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Hose from Dryer Piping Discharge Bracket and Heat Exchanger to Filter



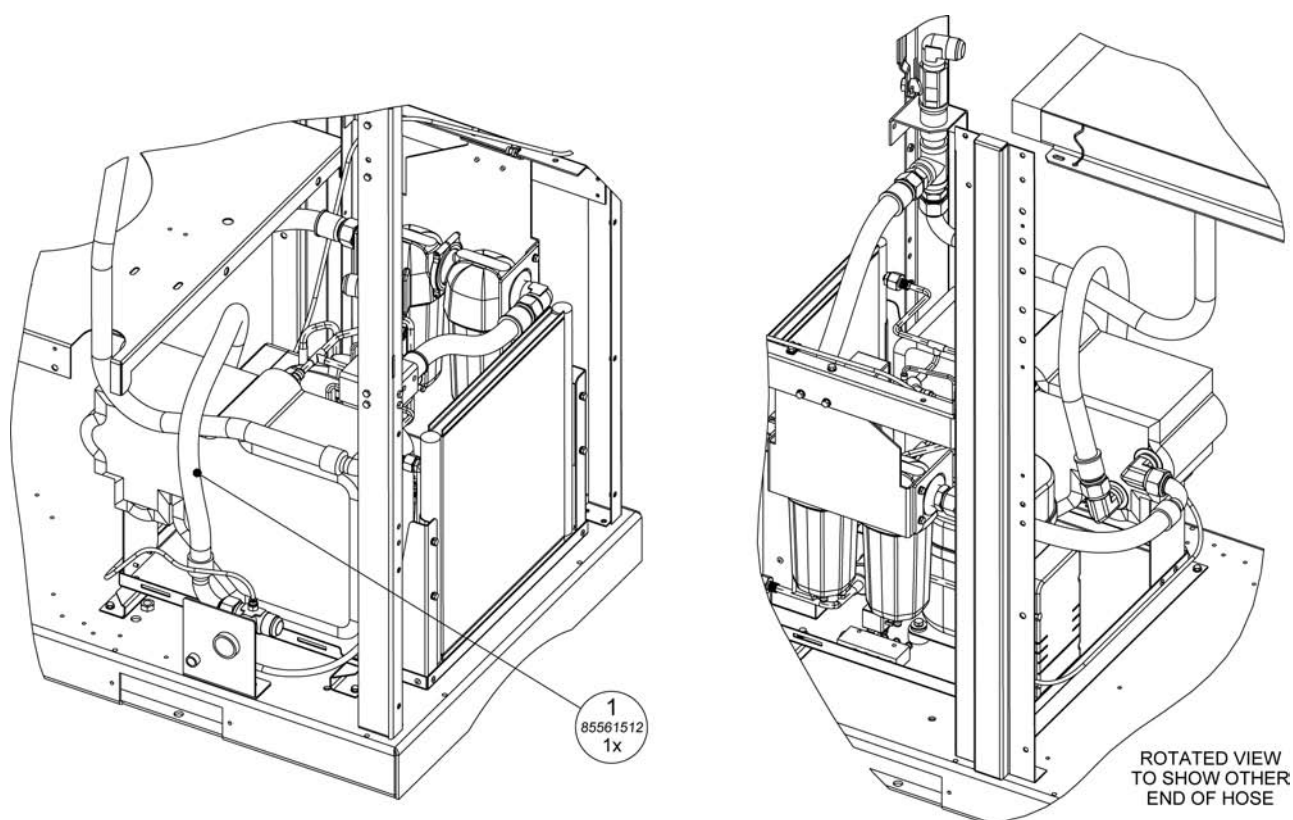
(Dwg. 22719199V15)

PARTS LIST

Item	Part No.	Description	Qty.
1	85561009	HOSE, HYD. STR x STR -16 x 22 INCH LONG.	1
2	48662472	HOSE, HYD. STR x 90 DEG -16 x 22 INCH LONG	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

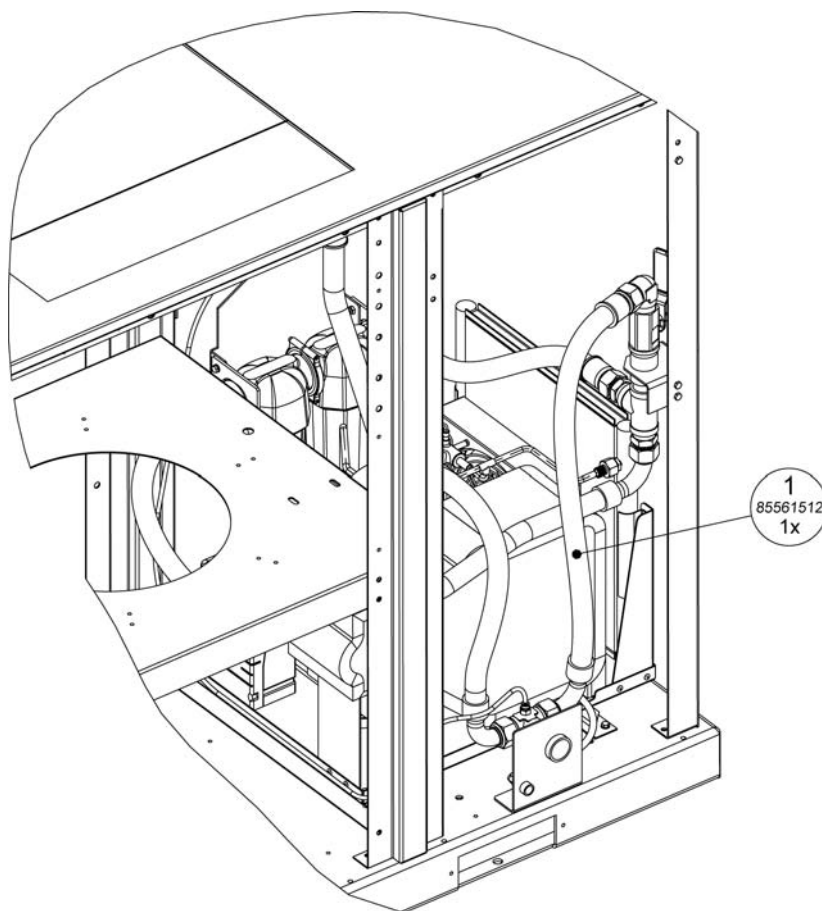
Assemble Hose from Dryer to Air Discharge Bracket



(Dwg. 22719199V16)

PARTS LIST

Item	Part No.	Description	Qty.
1	85561512	HOSE, HYD. STR x 90 DEG -16 x 34 INCH LONG	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST**Assemble Bypass Hose**

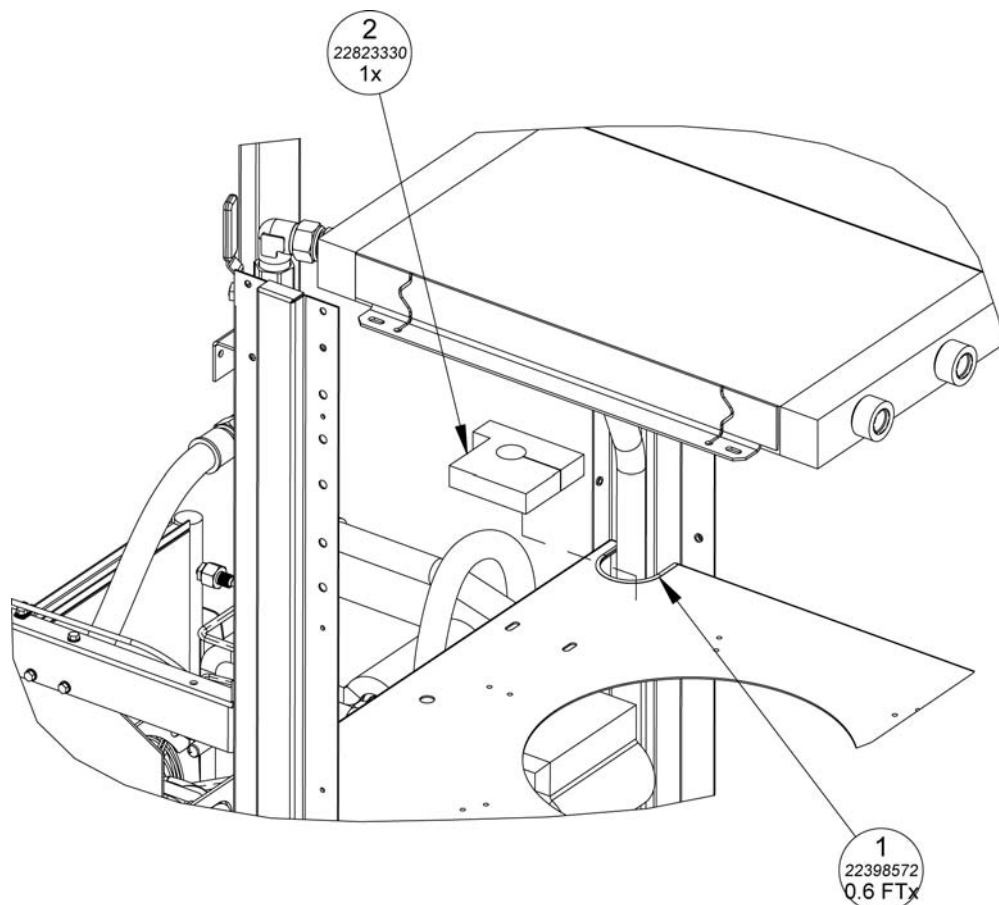
(Dwg. 22719199V17)

PARTS LIST

Item	Part No.	Description	Qty.
1	85561512	HOSE, HYD. STR x 90 DEG, -16 x 34 INCH LONG	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Foam Cover Around Hose and Covering Hole.



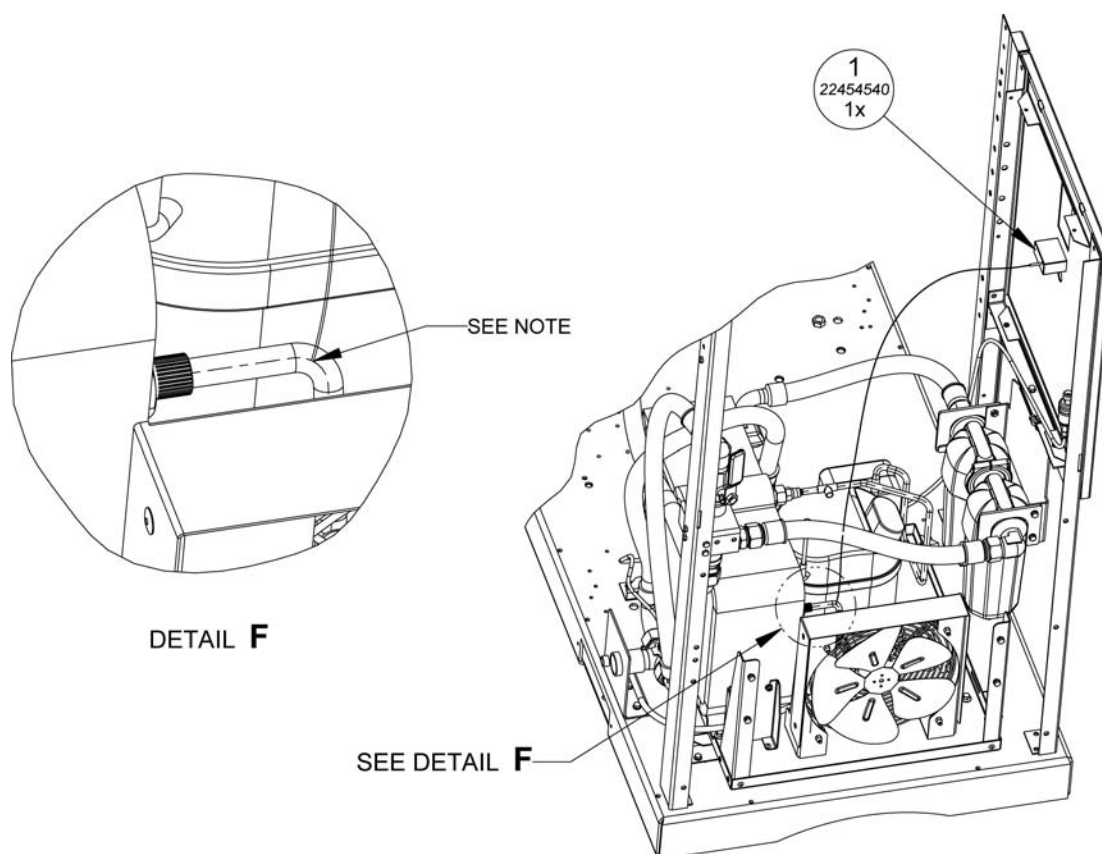
(Dwg. 22719199V18)

PARTS LIST

Item	Part No.	Description	Qty.
1	22398572	GROMMET, CONTINUOUS 0.9-1.8 mm PANEL THICKNESS	0.6 ft
2	22823330	COVER, DISCHARGE HOSE (THRU CONE DIVIDER WALL)	1

INTEGRATED DRYER (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dew Point Display in Controls Panel and Route Sensor to Tube shown.



(Dwg. 22719199V19)

PARTS LIST

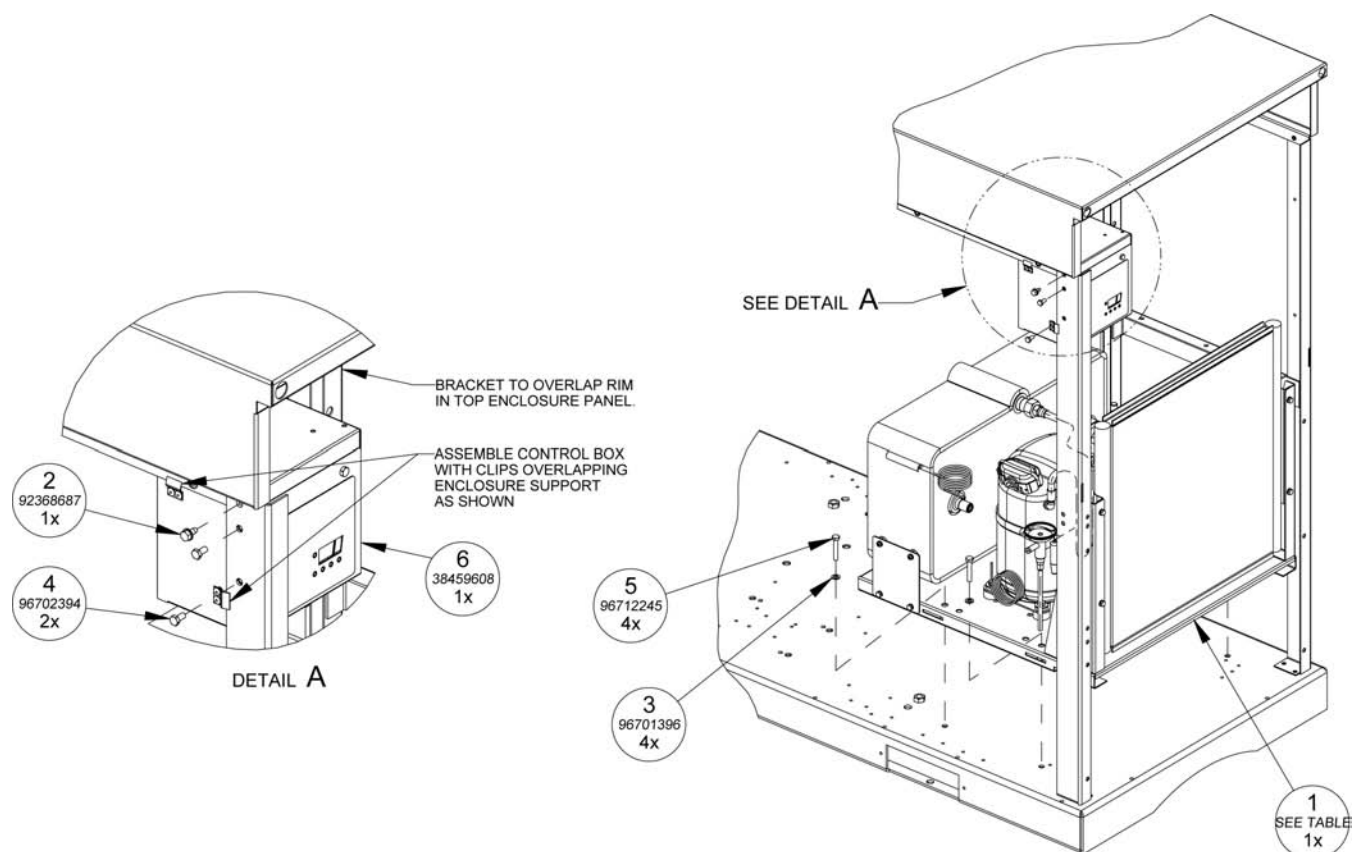
Item	Part No.	Description	Qty.
1	22454540	THERMOMETER, REMOTE DIAL	1

NOTE:

MAKE A CIRCULAR CUT THROUGH THE INSULATION ON THE INDICATED TUBE. ATTACH THE DEW POINT INDICATOR SENSOR BULB TO THE COPPER TUBE USING CLAMP #22143903. AFTER THE SENSOR HAS BEEN FIRMLY ATTACHED, REWRAP THE INSULATION WITH TAPE #22499628

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Assembly to Base



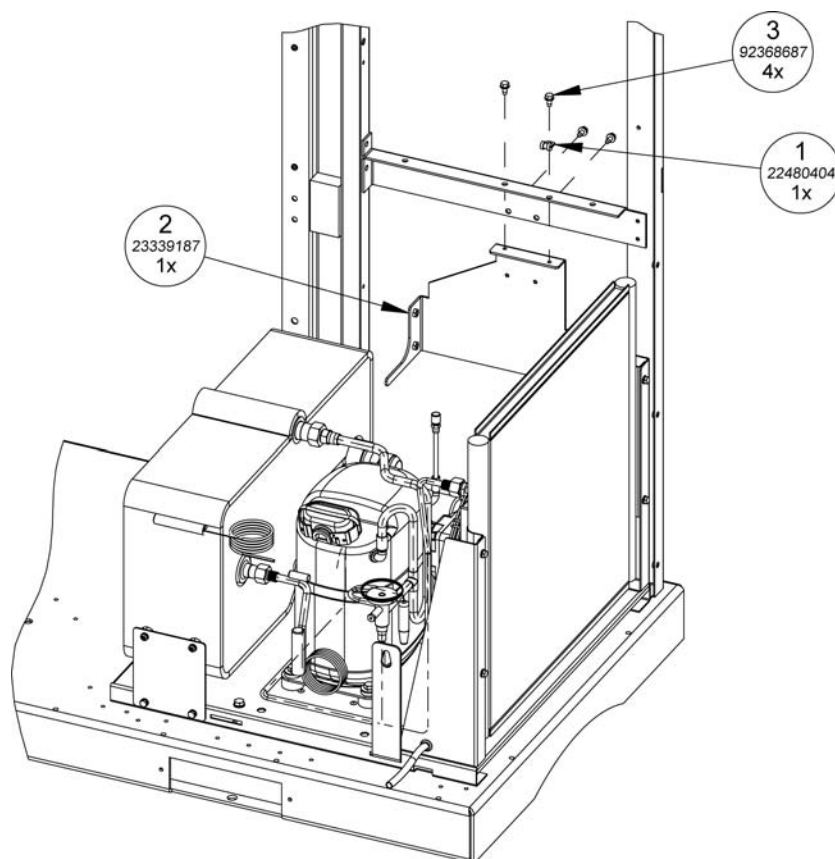
(Dwg. 22779128V2)

PARTS LIST

Item	Part No.	Description	Qty.
1	24235681	ASSEMBLY, DRYER OMI, 22-30 kW, 50 Hz, 230V	1
	24215741	ASSEMBLY, DRYER OMI, 30-40 hp, 60 Hz, 230V	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	1
3	96701396	WASHER, M8	4
4	96702394	SCREW, HEX HEAD M6-1.00 x 12.0 LONG	2
5	96712245	SCREW, HEX HEAD M8-1.25 x 45.0 LONG	4
6	38459608	CONTROLLER, DRYER	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filter Support Bracket to Dryer Filter Support Brace



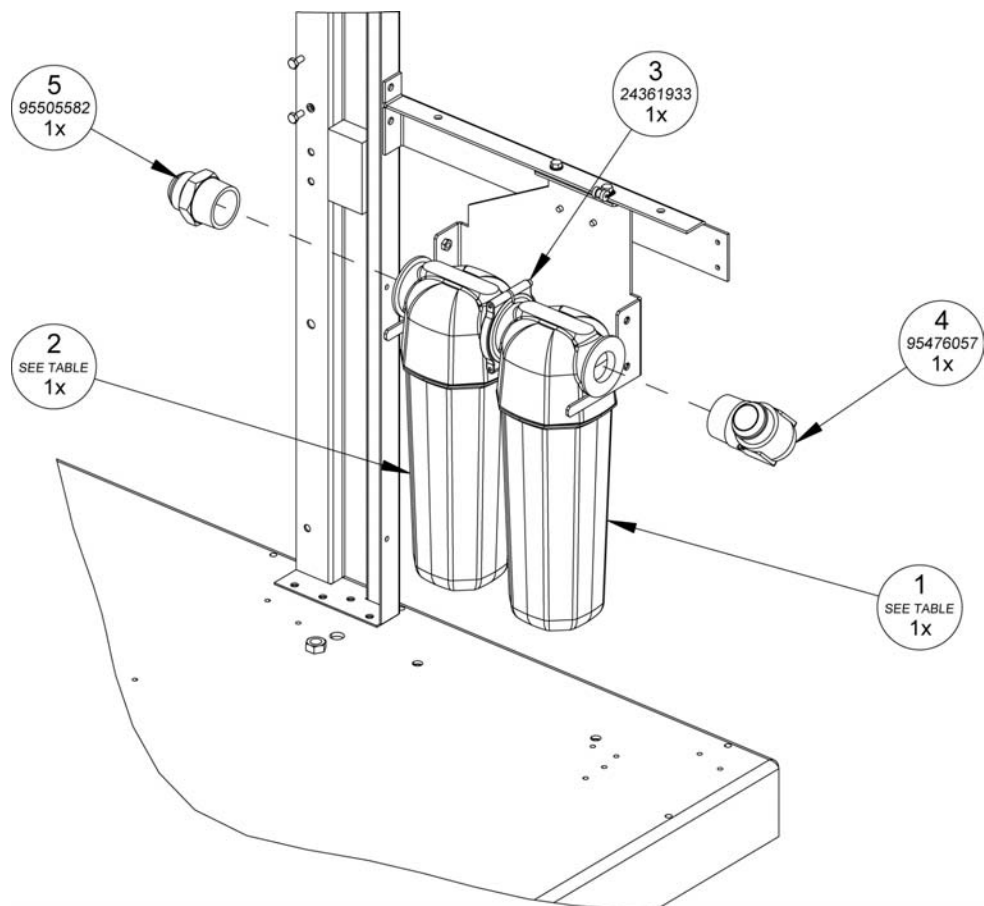
(Dwg. 22779128V3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22480404	CLAMP, 0.25 INCH TUBE INSULATED	1
2	23339187	BRACKET, DRYER FILTER MOUNTING 30-40 hp/22-30 kW	1
3	92368687	TAPTITE SCREW M6-1 x 12 LONG	4

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Filters to Filter Support Bracket



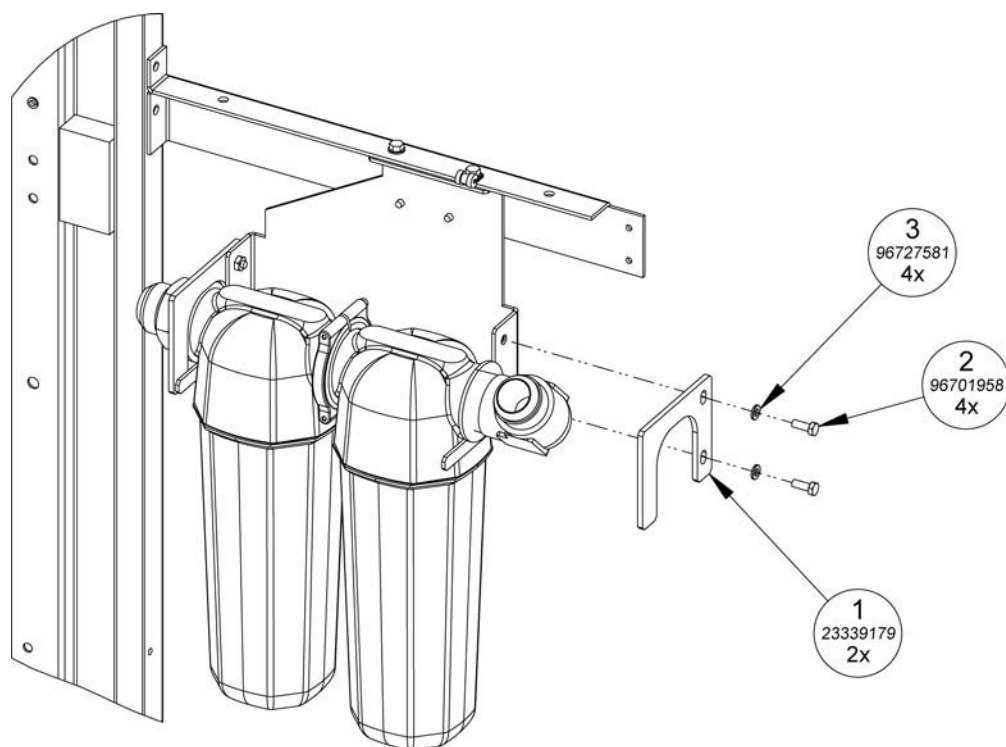
(Dwg. 22779128V4)

PARTS LIST

Item	Part No.	Description	Qty.
1	24233777	FILTER, (FA 400 IGX) (F-CAST SERIES) (ELEMENT 24242208)	1
	85567329	FILTER, (DH F 395 IGX) (ELIMINATOR SERIES) (ELEMENT 85565745)	1
2	24233793	FILTER, (FA 400 IHX) (F-CAST SERIES) (ELEMENT 24242224)	1
	85567337	FILTER, (DH F 395 IHX) (ELIMINATOR SERIES) (ELEMENT 85565752)	1
3	24361933	CLAMP, FILTER	1
4	95476057	ELBOW, 1.25 INCH TUBE x 1.50 NPT	1
5	95505582	CONNECTOR, 1.25 INCH TUBE x 1.50 NPT	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filter End Clamps to Filter Support Bracket



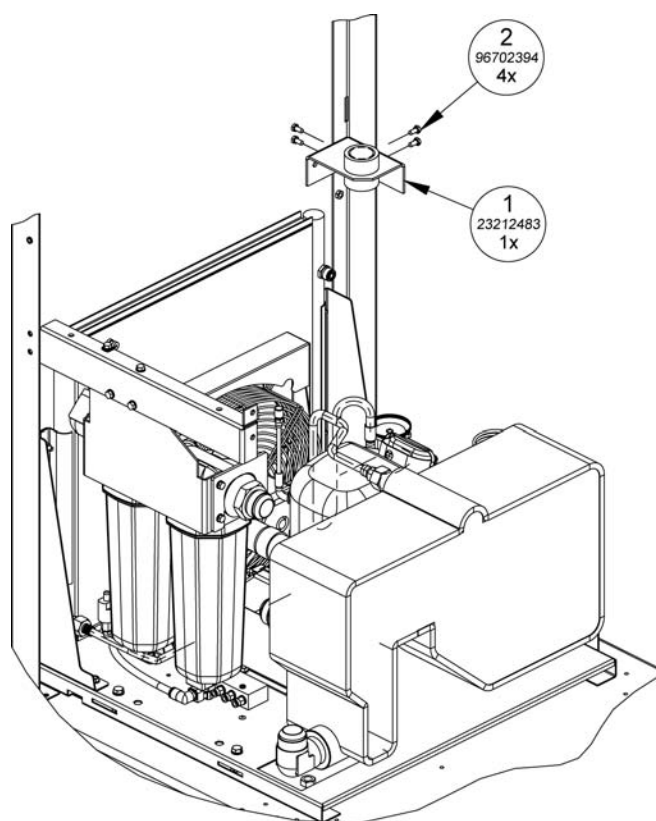
(Dwg. 22779128V5)

PARTS LIST

Item	Part No.	Description	Qty.
1	23339179	CLAMP, DRYER FILTER MOUNTING 20-40 hp/15-30 kW	2
2	96701958	SCREW, HEX HEAD M6-1 x 16 LONG	4
3	96727581	WASHER, M6	4

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dryer Piping Discharge Bracket to Column



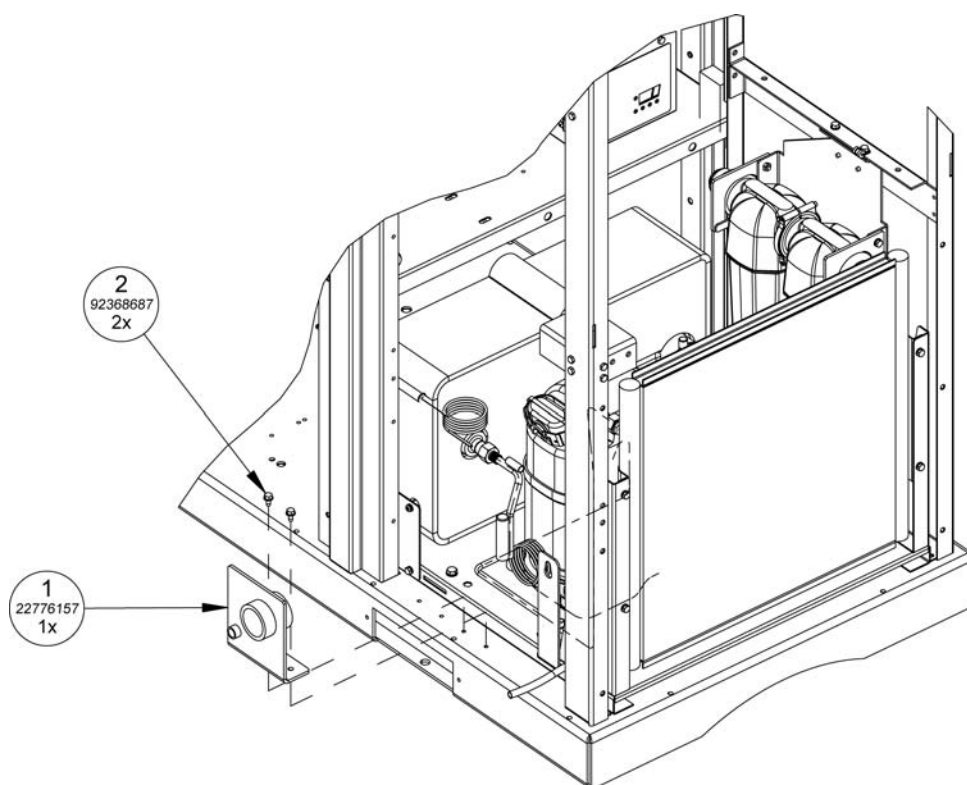
(Dwg. 22779128V6)

PARTS LIST

Item	Part No.	Description	Qty.
1	23212483	BRACKET, DRYER PIPING DISCHARGE (1.25 NPT)	1
2	96702394	SCREW, HEX HEAD M6-1 x 12 LONG	4

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Air Discharge Bracket to Base



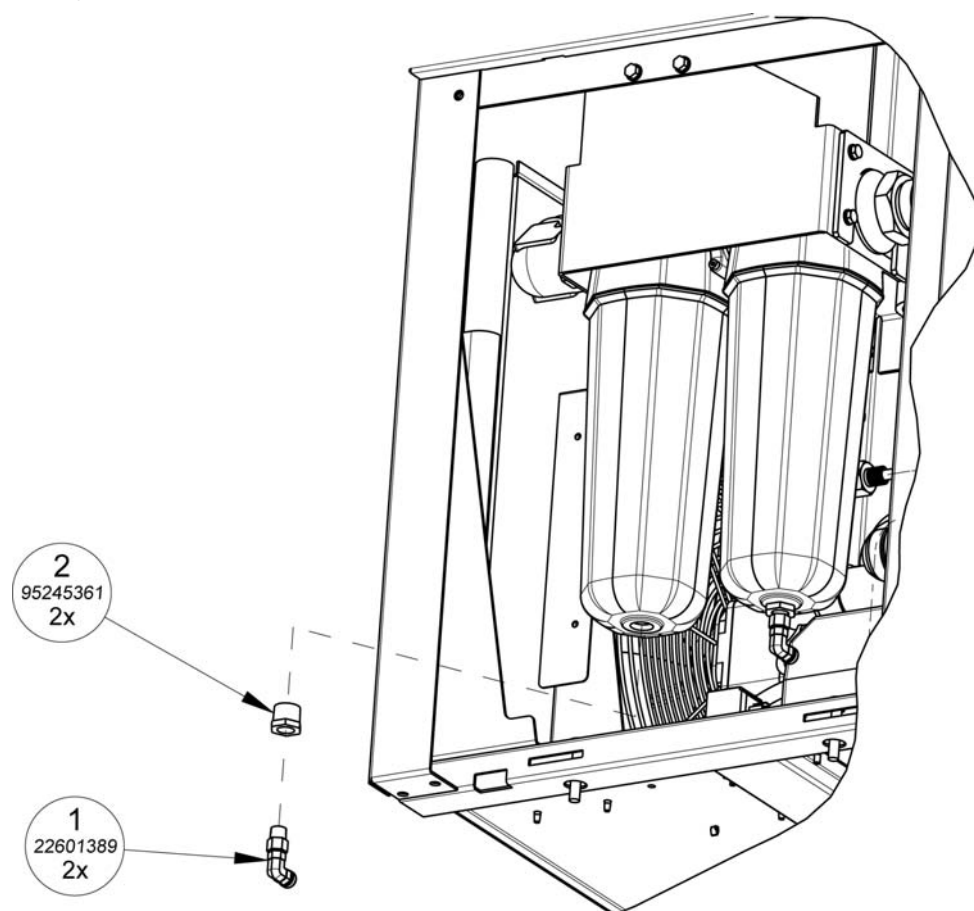
(Dwg. 22779128V7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22776157	BRACKET, AIR DISCHARGE	1
2	92368687	TAPTITE SCREW M6-1 x 12 LONG	2

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Tube Fittings to Bottom of Filters.



(Dwg. 22779128V8)

PARTS LIST

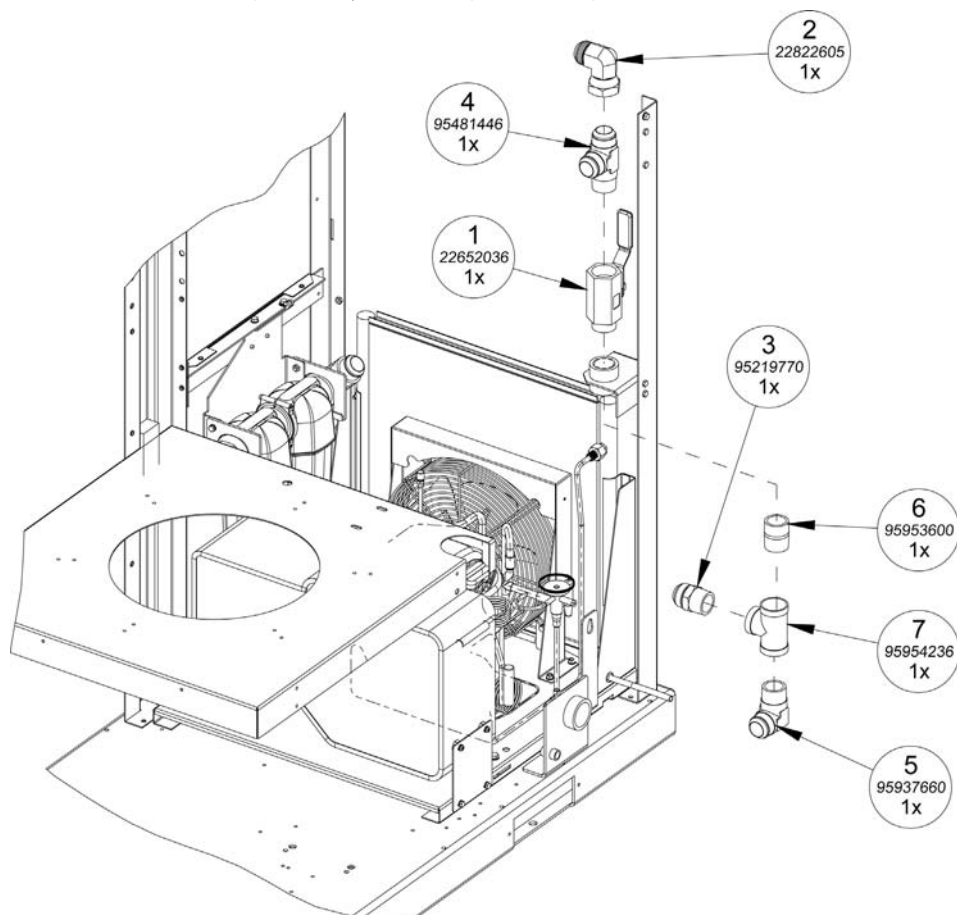
Item	Part No.	Description	Qty.
1	22601389	ELBOW, 0.25 MNPT x 6 mm TUBE	2
2	95245361	BUSHING, REDUCER 0.50 NPT x 0.25 FNPT	2

NOTES:

ASSEMBLE 6 mm TUBES (SUPPLIED WITH DRYER) FROM CONDENSATE MANIFOLD INTO FILTER CONNECTORS.

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Ball Valve and Hose Fittings to Dryer Piping Discharge Bracket



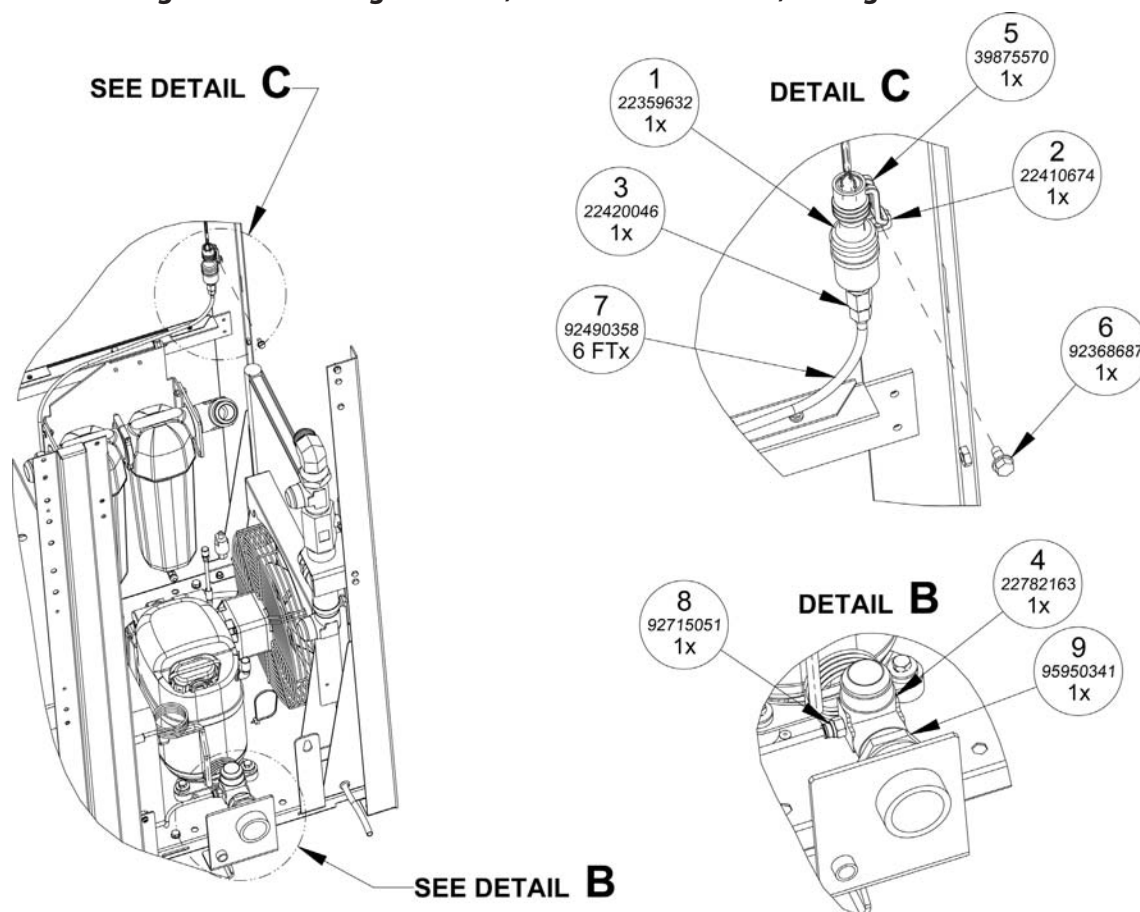
(Dwg. 22779128V9)

PARTS LIST

Item	Part No.	Description	Qty.
1	22652036	VALVE, BALL 1.25 NPT x 1.25 FNPT	1
2	22822605	ELBOW, 1.25 MALE x 1.25 NPT SWIVEL NUT	1
3	95219770	CONNECTOR, 1.25 INCH TUBE x 1.25 NPT	1
4	95481446	TEE, RUN 1.25 INCH TUBE x 1.25 TUBE x 1.25 NPT	1
5	95937660	ELBOW, 1.25 INCH TUBE x 1.25 NPT	1
6	95953600	NIPPLE, EXTRA STRONG 1.25 NPT x 2.00 INCH LONG	1
7	95954236	TEE, 1.25 FNPT	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Hose Fittings to Air Discharge Bracket, Pressure Transducer, Fittings and Line



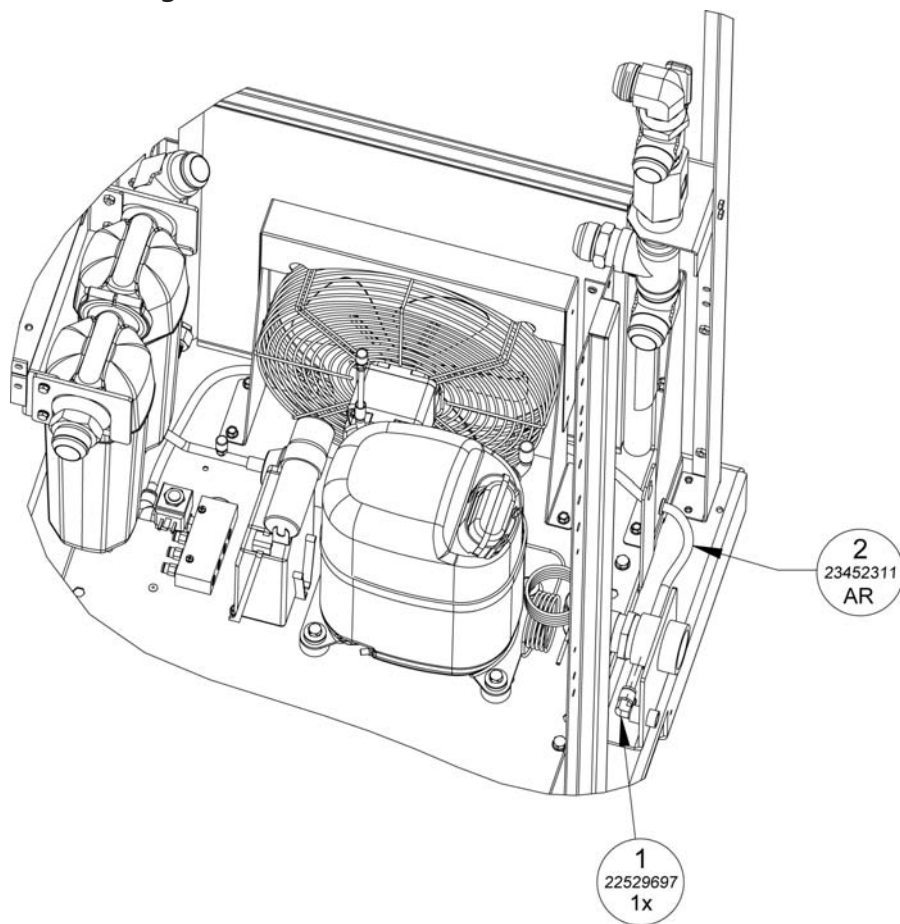
(Dwg. 22779128V10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22359632	TRANSDUCER, PRESSURE 16 BAR, 4-20 mA	1
2	22410674	CLAMP, INSULATED (FOR 1 INCH O.D.)	1
3	22420046	CONNECTOR, METRU-LOK 6 mm TUBE x 0.13 FNPT	1
4	22782163	ELBOW, 1.25 INCH TUBE x 1.25 NPT (W/SIDE PORT)	1
5	39875570	CABLE, TRANSDUCER	1
6	92368687	TAPTITE SCREW M6-1 x 12 LONG	1
7	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	0.6 ft
8	92715051	ADAPTOR PUSH-IN 0.38 BSPT x 10 mm	1
9	95950341	BUSHING, REDUCER 1.50 NPT x 1.25 FNPT	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Fitting to Air Discharge Bracket and Insert Drain Line from Drain Valve.



(Dwg. 22779128V11)

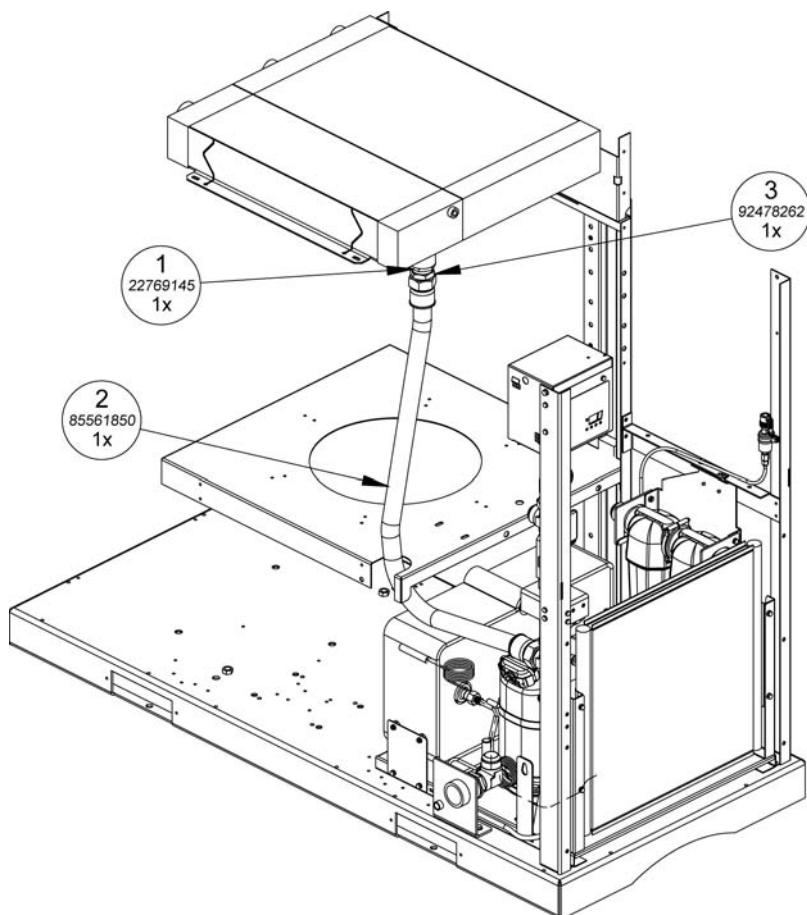
PARTS LIST

Item	Part No.	Description	Qty.
1	22529697	ELBOW, 90DEG. METRIC PUSHIN 10 mm x 0.25 BSPT	1
2	23452311	TUBING, 10mm	AR

AR - AS REQUIRED.

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Hose from Cooler to Dryer Piping Discharge Bracket



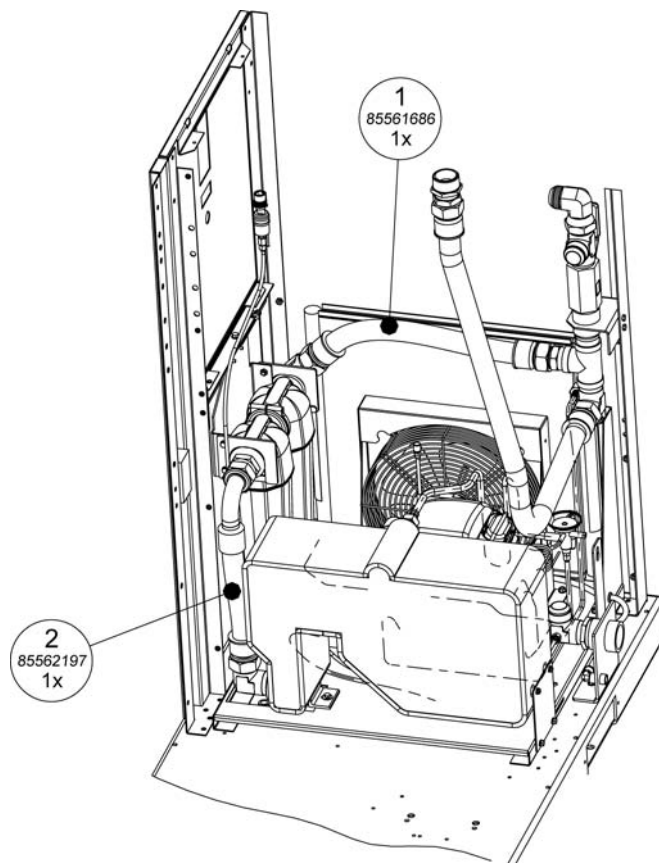
(Dwg. 22779128V12)

PARTS LIST

Item	Part No.	Description	Qty.
1	22769145	BUSHING, REDUCER 1.50 x 1.25 BSPT	1
2	85561850	HOSE, HYD. STR x STR -20 x 46 INCH LONG	1
3	92478262	MALE CONNECTOR 1.25 BSPT x 37DEG. TUBE FLARE (20 JIC)	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Hose from Dryer Piping Discharge Bracket and Heat Exchanger to Filter.



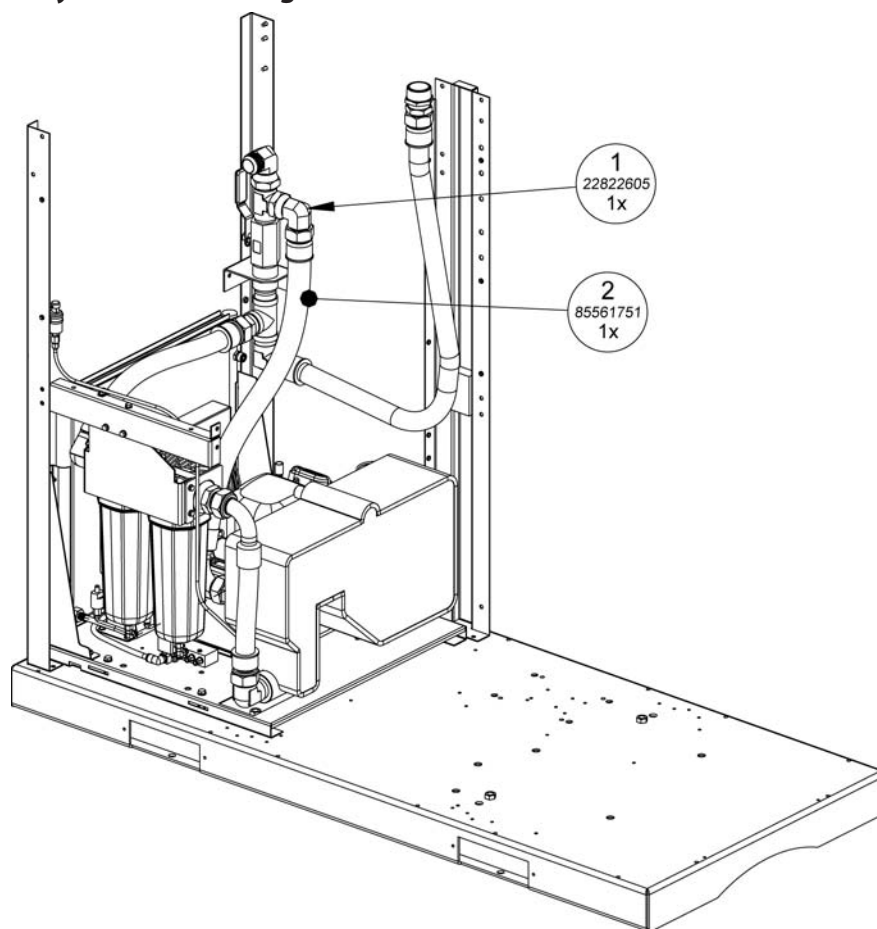
(Dwg. 22779128V13)

PARTS LIST

Item	Part No.	Description	Qty.
1	85561686	HOSE, HYD. STR x STR -20 x 20 INCH LONG .	1
2	85562197	HOSE, HYD. STR x 90 DEG -20 x 14.5 INCH LONG	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

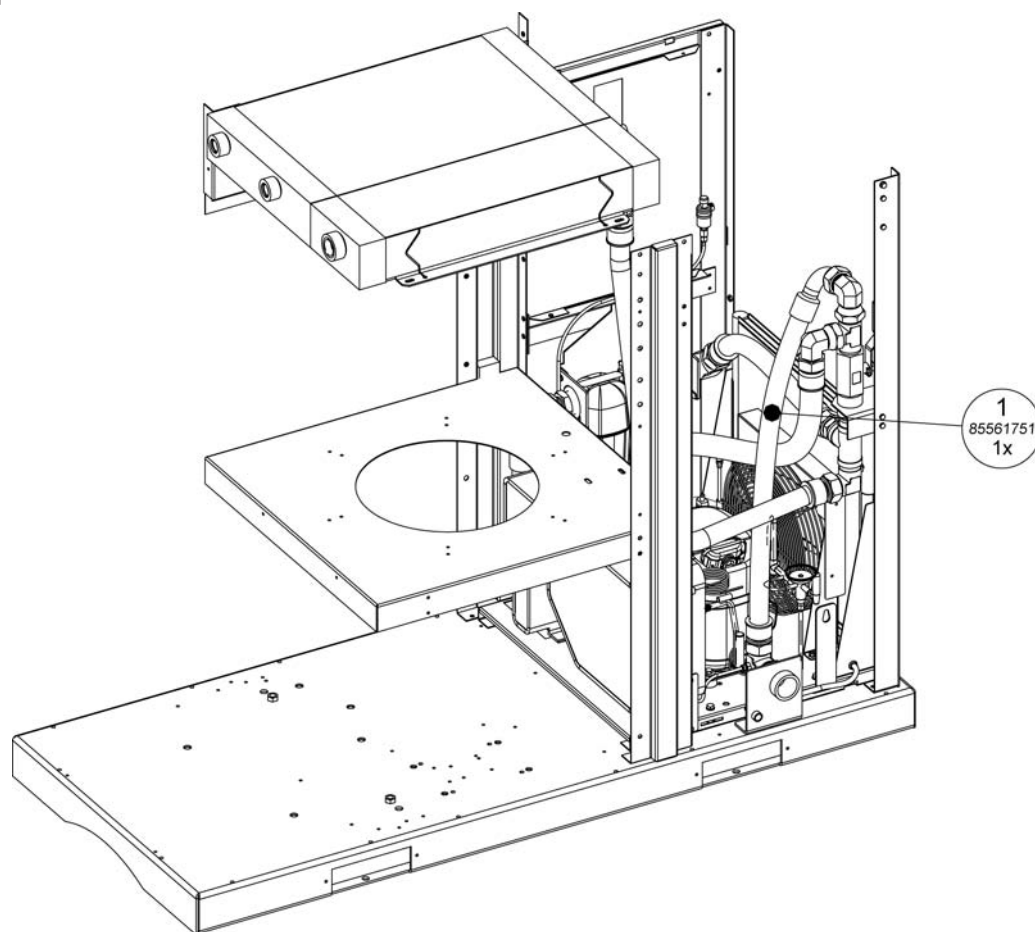
Assemble Hose from Dryer to Air Discharge Bracket.



(Dwg. 22779128V14)

PARTS LIST

Item	Part No.	Description	Qty.
1	22822605	ELBOW, 1.25 MALE x 1.25 NPT SWIVEL NUT	1
2	85561751	HOSE, HYD. STR x 90 DEG -20 x 32 INCH LONG	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST**Assemble Bypass Hose**

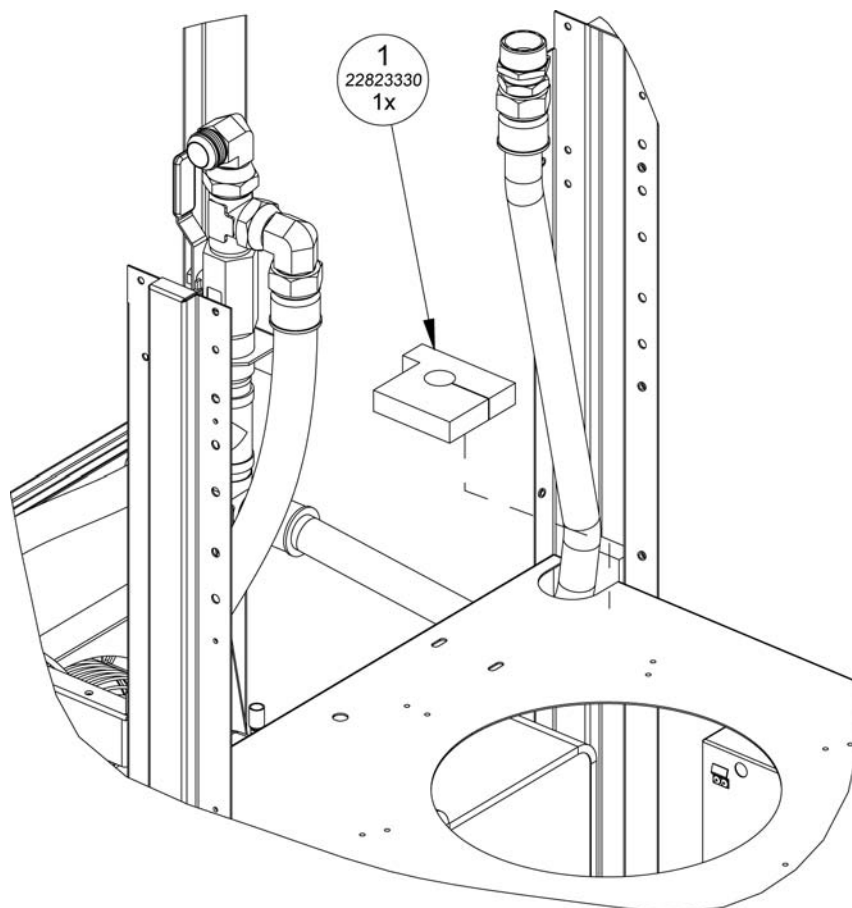
(Dwg. 22779128V15)

PARTS LIST

Item	Part No.	Description	Qty.
1	85561751	HOSE, HYD. STR x 90 DEG -20 x 32 INCH LONG	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Foam Cover Around Hose and Covering Hole.



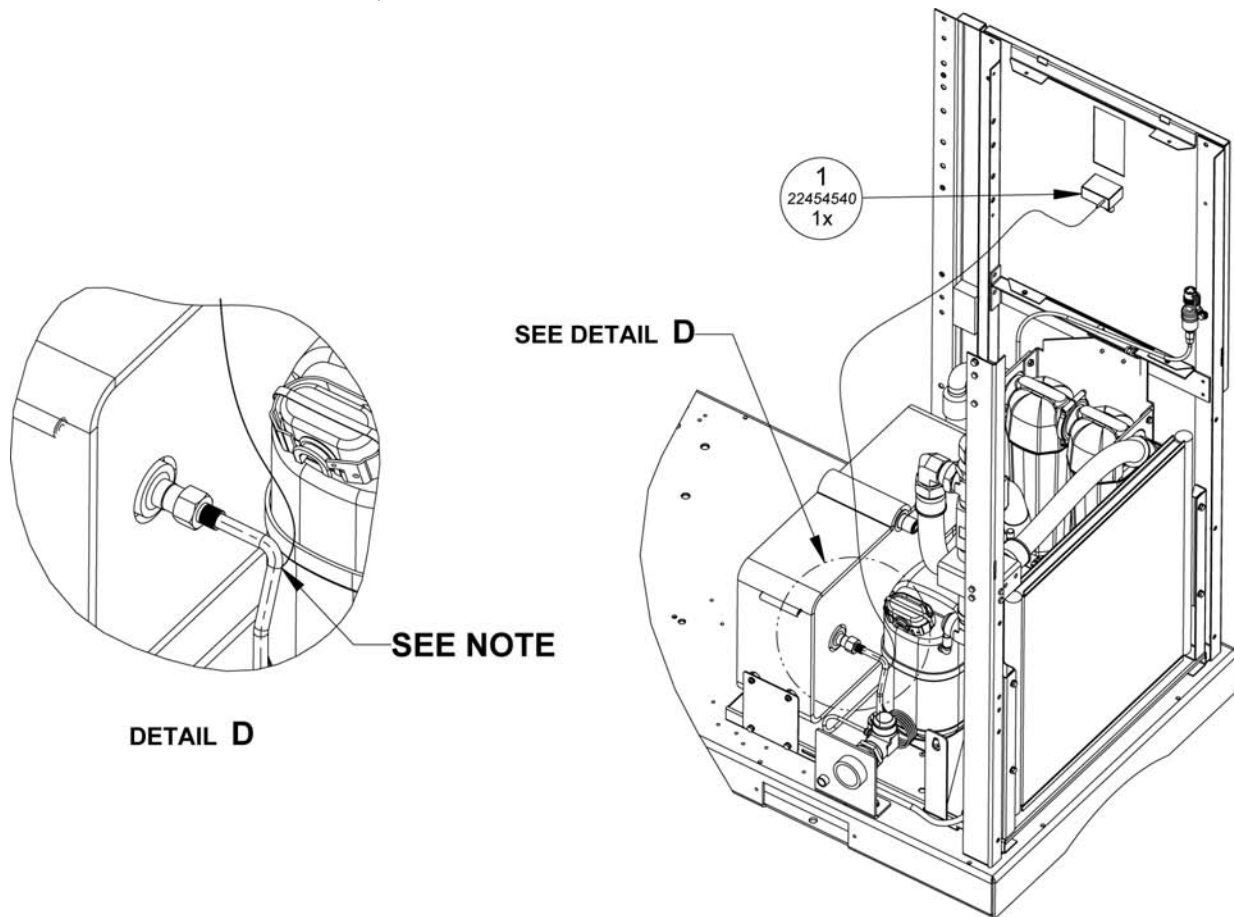
(Dwg. 22779128V16)

PARTS LIST

Item	Part No.	Description	Qty.
1	22823330	COVER, DISCHARGE HOSE (THRU CONE DIVIDER WALL)	1

INTEGRATED DRYER (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dew Point Sensor Display in Controls Panel and Route Sensor to Tube shown.



(Dwg. 22779128V17

PARTS LIST

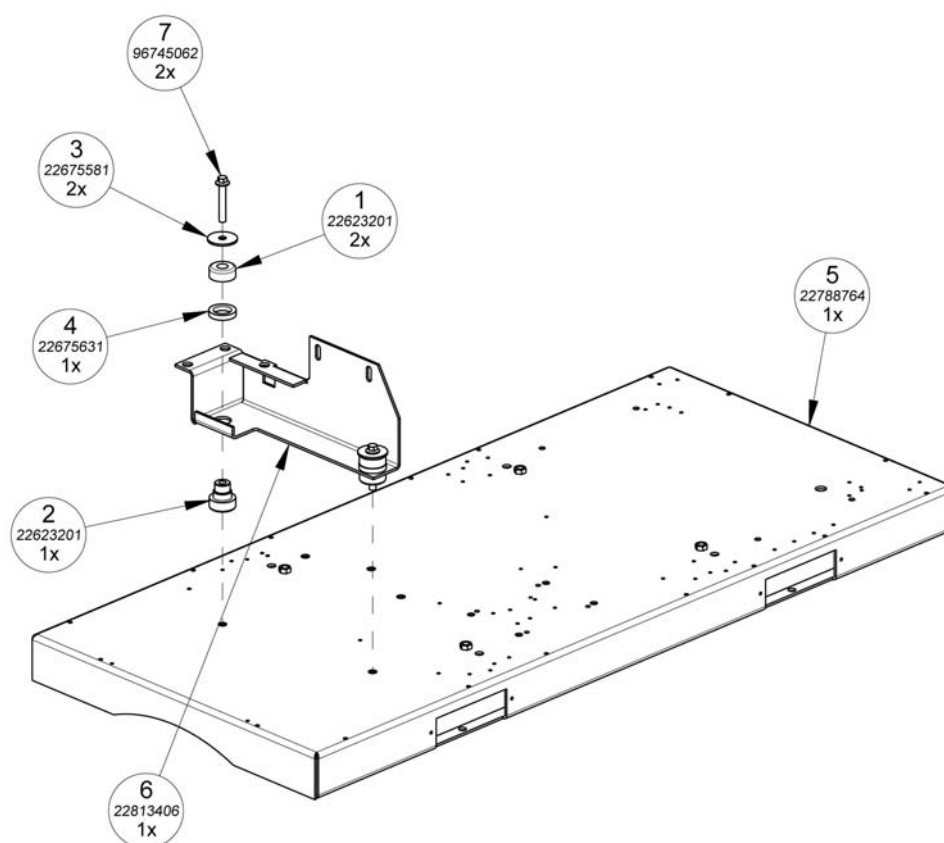
Item	Part No.	Description	Qty.
1	22454540	THERMOMETER, REMOTE DIAL	1

NOTE:

MAKE A CIRCULAR CUT THROUGH THE INSULATION ON THE INDICATED TUBE. ATTACH THE DEW POINT INDICATOR SENSOR BULB TO THE COPPER TUBE USING CLAMP #22143903. AFTER THE SENSOR HAS BEEN FIRMLY ATTACHED, REWRAP THE INSULATION WITH TAPE #22499628

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend/Separator Tank Support Bracket and Isolators to Base



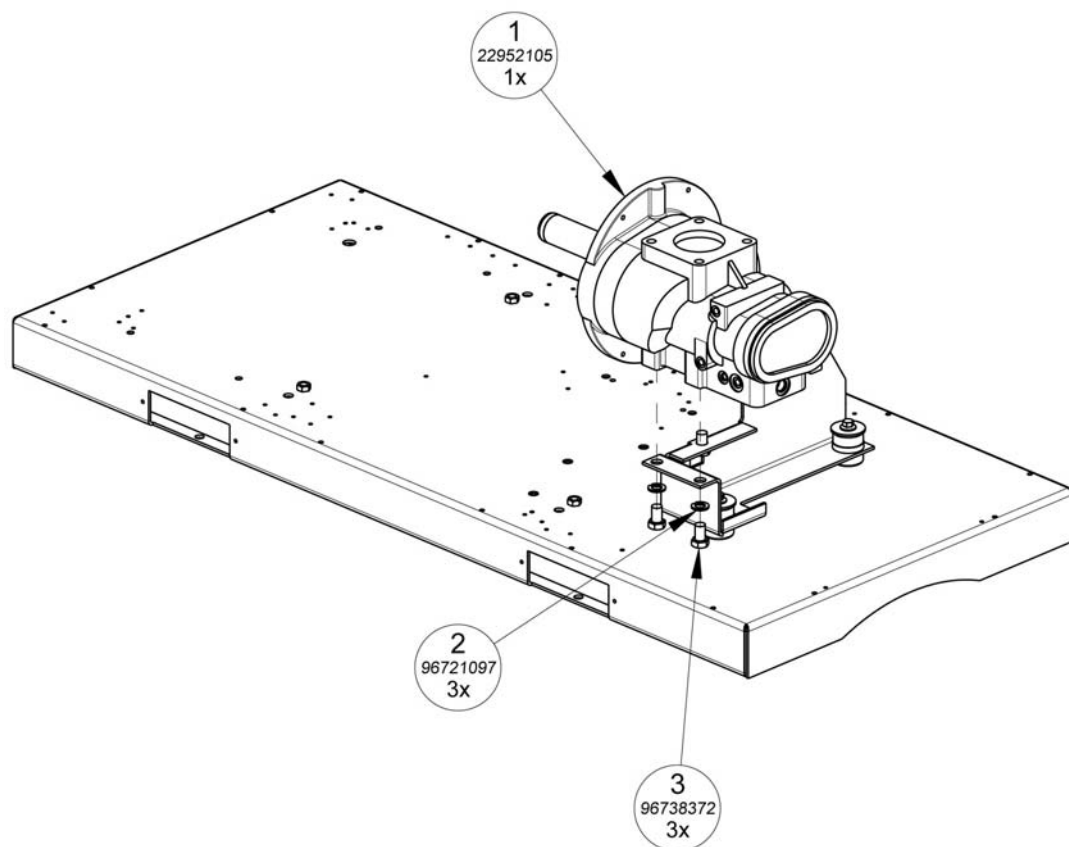
(Dwg. 22719801ZE2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22623201	MOUNT, RUBBER ISOLATION (FEMALE) (PART OF ISOLATOR ASSEMBLY 22623201)	2
2	22623201	MOUNT, RUBBER ISOLATION (MALE) (PART OF ISOLATOR ASSEMBLY 22623201)	1
3	22675581	WASHER, ISOLATOR MOUNT	2
4	22675631	SPACER, ISOLATOR MOUNT	1
5	22788764	BASE, STANDARD 20-40 hp/15-30 kW	1
6	22813406	SUPPORT, AIREND/SEP. TANK (20-25 hp/15-18.5 kW)	1
7	96745062	SCREW, HEX HEAD FLANGE M12 x 75 LONG	2

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Housing to Mount Bracket



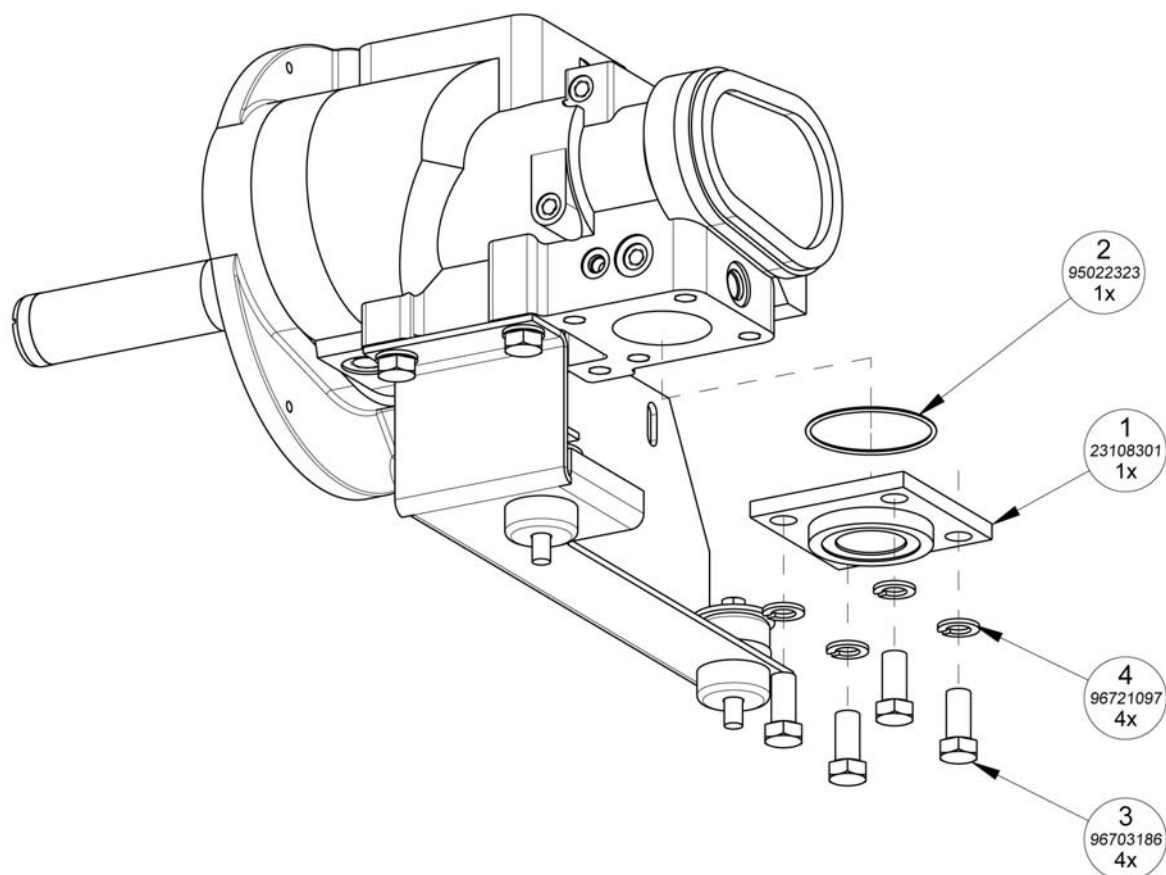
(Dwg. 22719801ZE3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22952105	ASSEMBLY, CF75 AIREND	1
2	96721097	WASHER, SPRING LOCK, M16	3
3	96738372	SCREW, HEX HEAD M16-2 x 25 LONG	3

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Adapter Plate



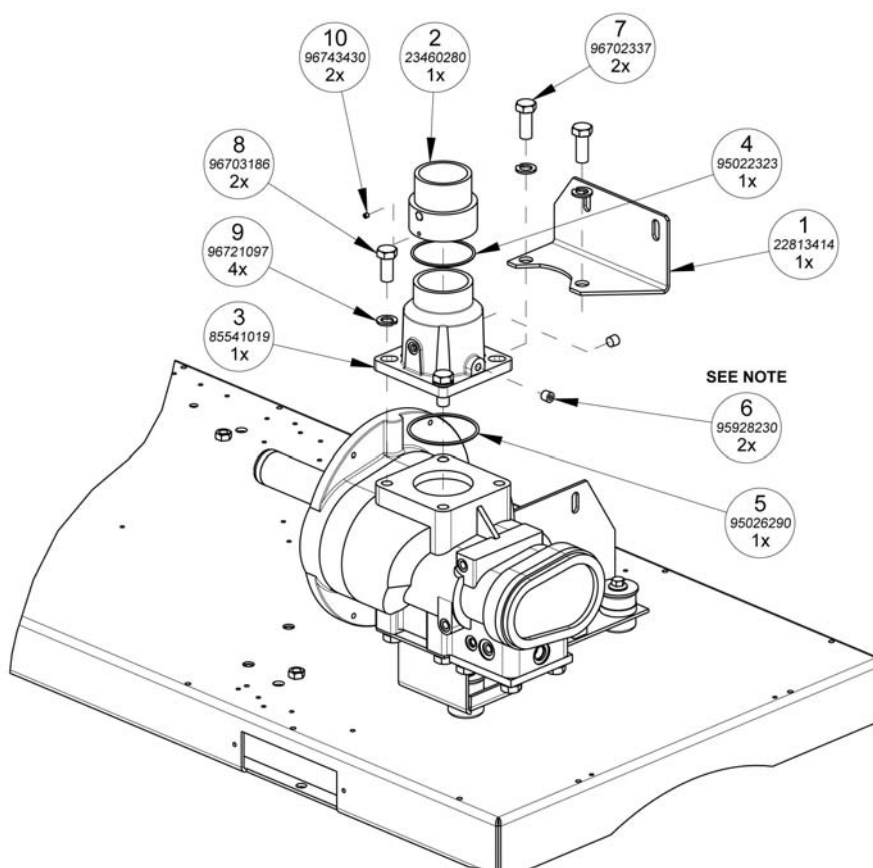
(Dwg. 22719801ZE4)

PARTS LIST

Item	Part No.	Description	Qty.
1	23108301	PLATE, DISCHARGE ADAPTER	1
2	95022323	O-RING, STANDARD -235, 3.125 INCH ID x 0.125 INCH WIDTH	1
3	96703186	SCREW, HEX HEAD M16-2 x 35 INCH LONG	4
4	96721097	WASHER, SPRING LOCK, M16	4

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Inlet Valve, Inlet Valve Sleeve and Bracket to Airend



(Dwg. 22719801ZE5)

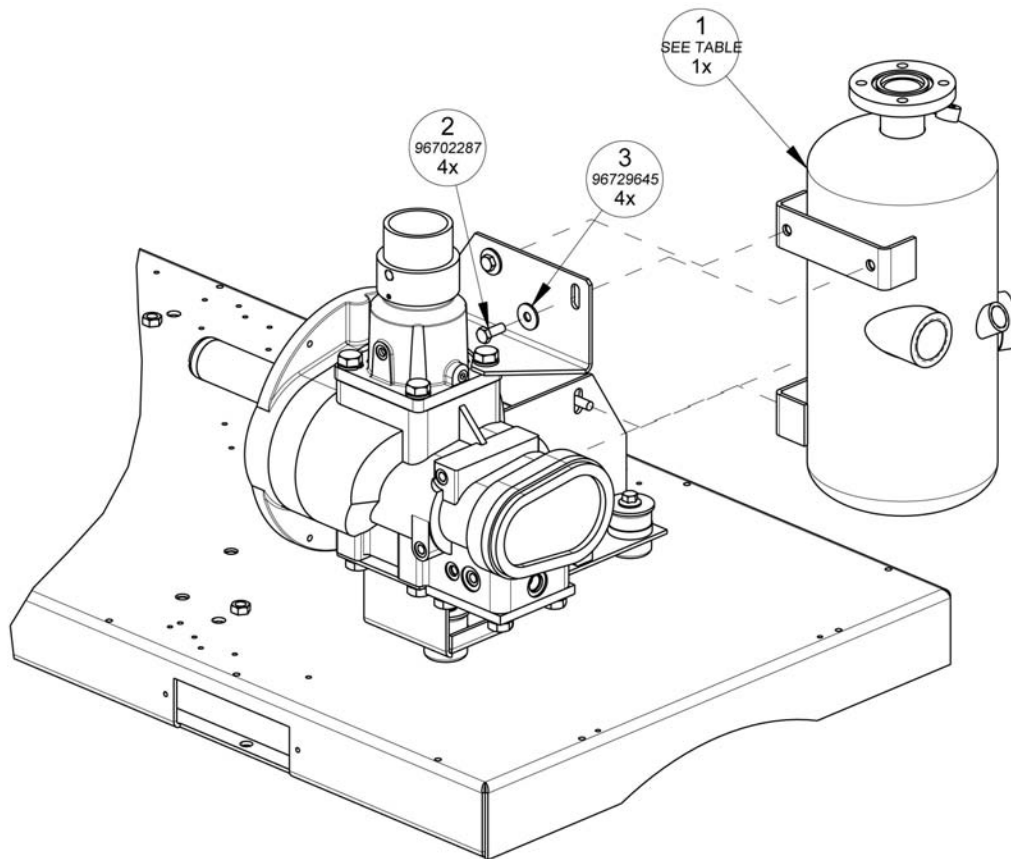
PARTS LIST

Item	Part No.	Description	Qty.
1	22813414	BRACKET, SEPARATOR TANK	1
2	23460280	SLEEVE, INLET VALVE (WITH BLOWDOWN PORT)	1
3	85541019	VALVE, INLET NORMALLY OPEN	1
4	95022323	O-RING, STANDARD -235, 3.125 INCH ID x 0.125 INCH WIDTH	1
5	95026290	O-RING, STANDARD -238, 3.484 INCH ID x 0.139 INCH WIDTH	1
6	95928230	PLUG, SOCKET 0.25 NPT	2
7	96702337	SCREW, HEX HEAD M16-2 x 40 INCH LONG	2
8	96703186	SCREW, HEX HEAD M16-2 x 35 INCH LONG	2
9	96721097	WASHER, SPRING LOCK, M16	4
10	96743430	SETSCREW, M6-1 x 6 LONG	2

NOTE: APPLY LOCTITE 542 TO ALL PIPE THREAD FITTINGS.

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Separator Tank to Support



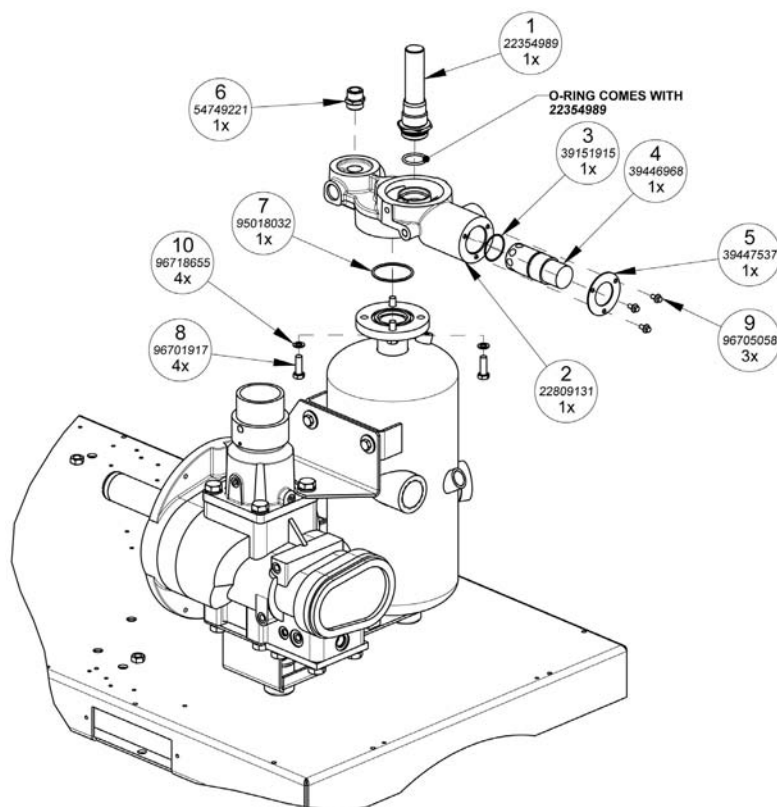
(Dwg. 22719801ZE6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22806384	TANK, SEPARATOR, (ASME/CRN) 20-25 hp/15-18.5 kW	1
	22806442	TANK, SEPARATOR, (CE) 20-25 hp/15-18.5 kW	1
	22806459	TANK, SEPARATOR, (SQL/AS1210) 20-25 hp/15-18.5 kW	1
2	96702287	SCREW, HEX HEAD M10-1.50 x 25.0 LONG	4
3	96729645	WASHER, LARGE M10	4

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filter Manifold



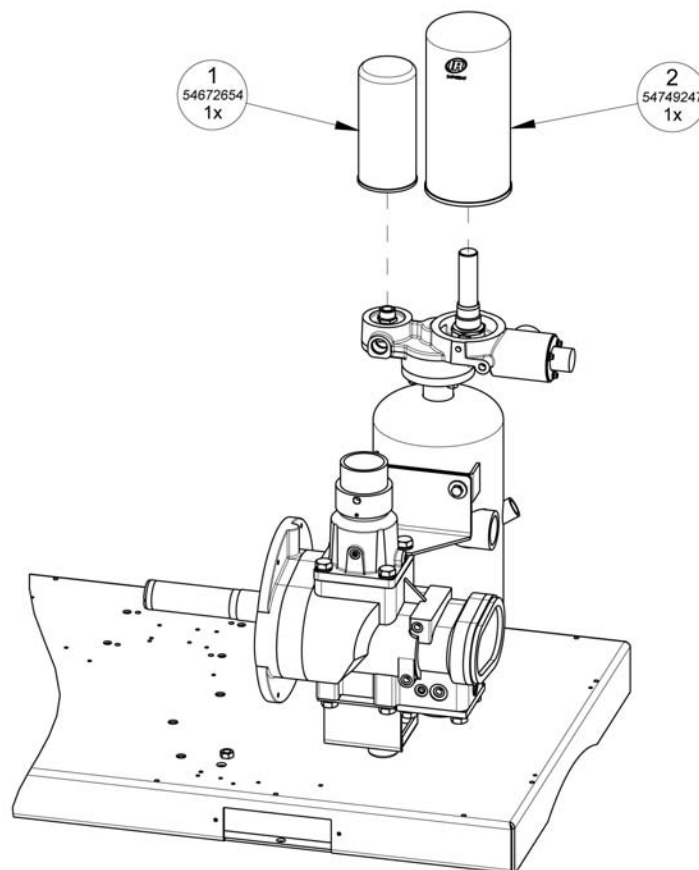
(Dwg. 22719801ZE7

PARTS LIST

Item	Part No.	Description	Qty.
1	22354989	NIPPLE, FILTER SEPARATOR	1
2	22809131	MANIFOLD, FILTER (MACHINED)	1
3	39151915	O-RING, I.D. 1.975 INCHES	1
4	39446968	VALVE, MINIMUM PRESSURE CHECK (1.25 INCH INSERT)	1
5	39447537	PLATE, MPCV RETAINER	1
6	54749221	NIPPLE, COOLANT FILTER	1
7	95018032	O-RING, STANDARD -229, 2.375 INCH ID x 0.125 INCH WIDTH	1
8	96701917	SCREW, HEX HEAD M10-1.50 x 30 LONG	4
9	96705058	SCREW, HEX HEAD FLANGE M6 x 12 LONG	3
10	96718655	WASHER, SPRING LOCK, M10	4

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filters



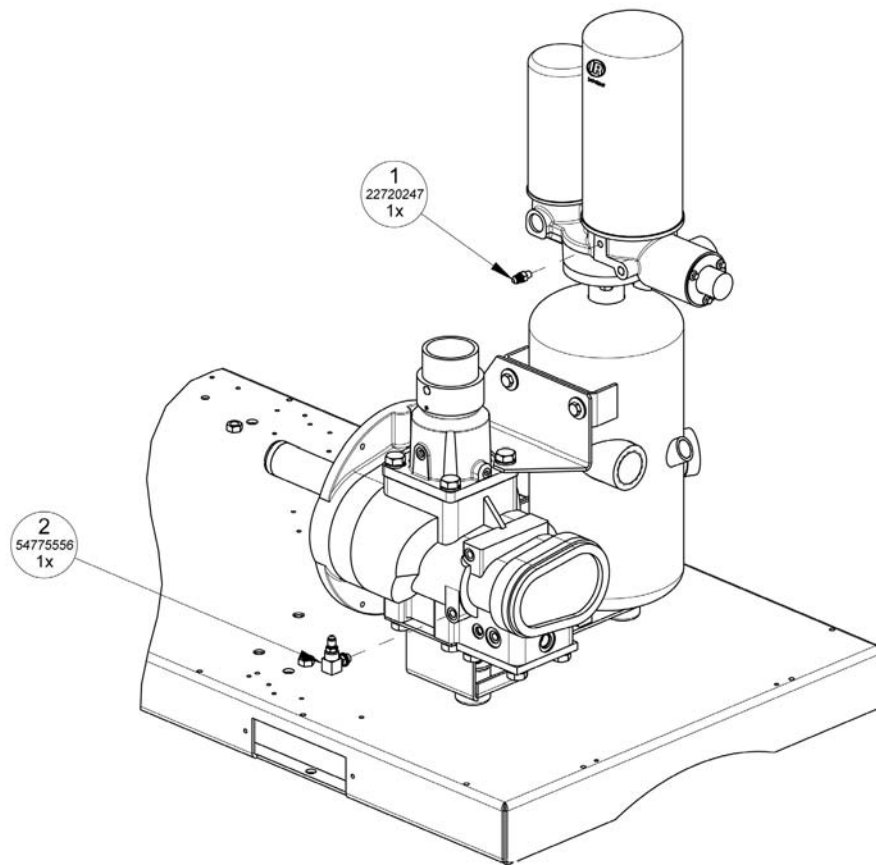
(Dwg. 22719801ZE8)

PARTS LIST

Item	Part No.	Description	Qty.
1	54672654	ELEMENT, COOLANT FILTER	1
2	54749247	ELEMENT, SEPARATOR 194 cfm	1

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Scavenge Fittings



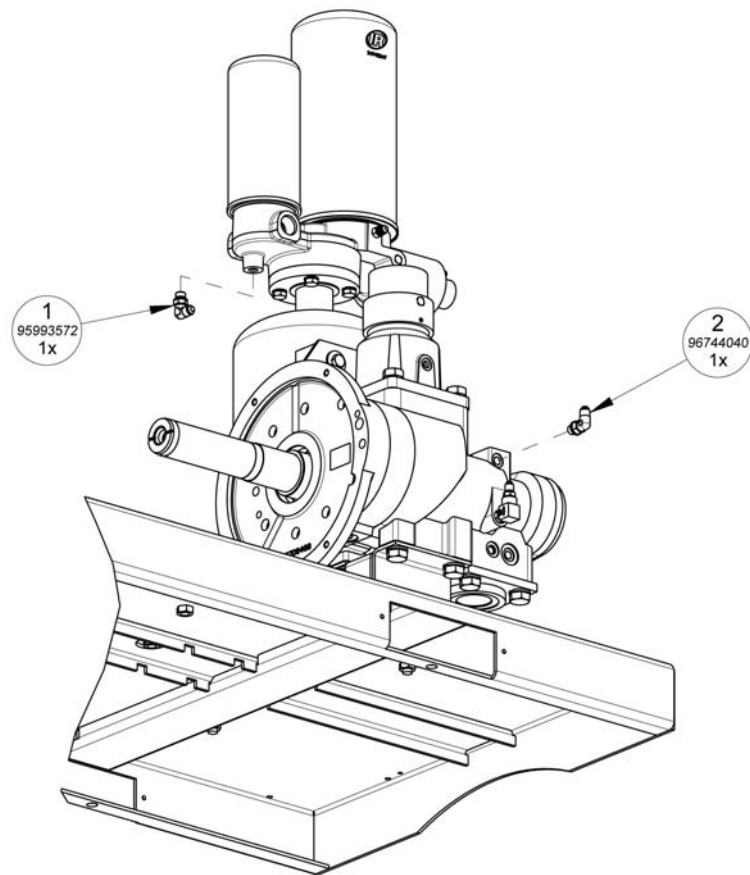
(Dwg.22719801ZE9)

PARTS LIST

Item	Part No.	Description	Qty.
1	22720247	CONNECTOR, MALE 6 mm TUBE x 1/8-28 BSPT	1
2	54775556	ELBOW, 90 DEG. CHECK VALVE (0.787 mm/0.031 INCH ORIFICE)	1

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Bearing Feed Fittings



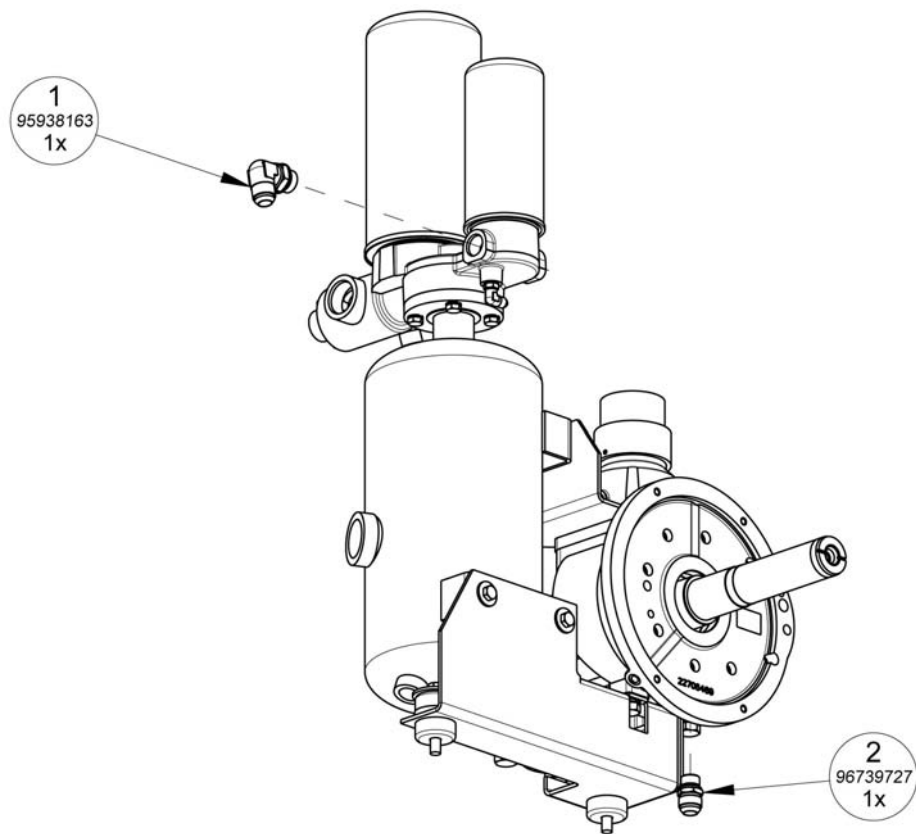
(Dwg. 22719801ZE10)

PARTS LIST

Item	Part No.	Description	Qty.
1	95993572	ELBOW, 0.31 INCH TUBE x 0.50 SAE	1
2	96744040	ELBOW, 0.31INCH TUBE x M12	1

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Main Bearing Coolant Feed Fittings



(Dwg. 22719801ZE11)

PARTS LIST

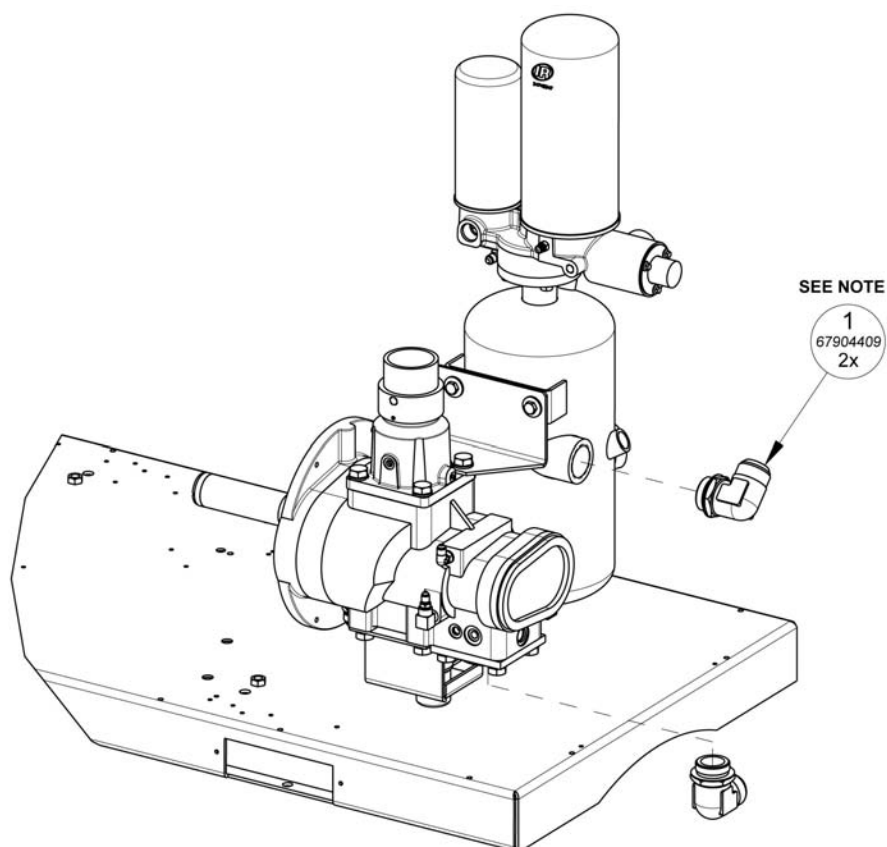
Item	Part No.	Description	Qty.
1	95938163	ELBOW, 0.75 INCH TUBE x 1.06 SAE	1
2	96739727	CONNECTOR, 0.75 INCH TUBE x M22 PARALLEL THREAD	1

NOTES:

APPLY LOCTITE 542 TO ALL PIPE THREAD FITTINGS.

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Fittings to Discharge Adapter Plate and Separator Tank



(Dwg. 22719801ZE12)

PARTS LIST

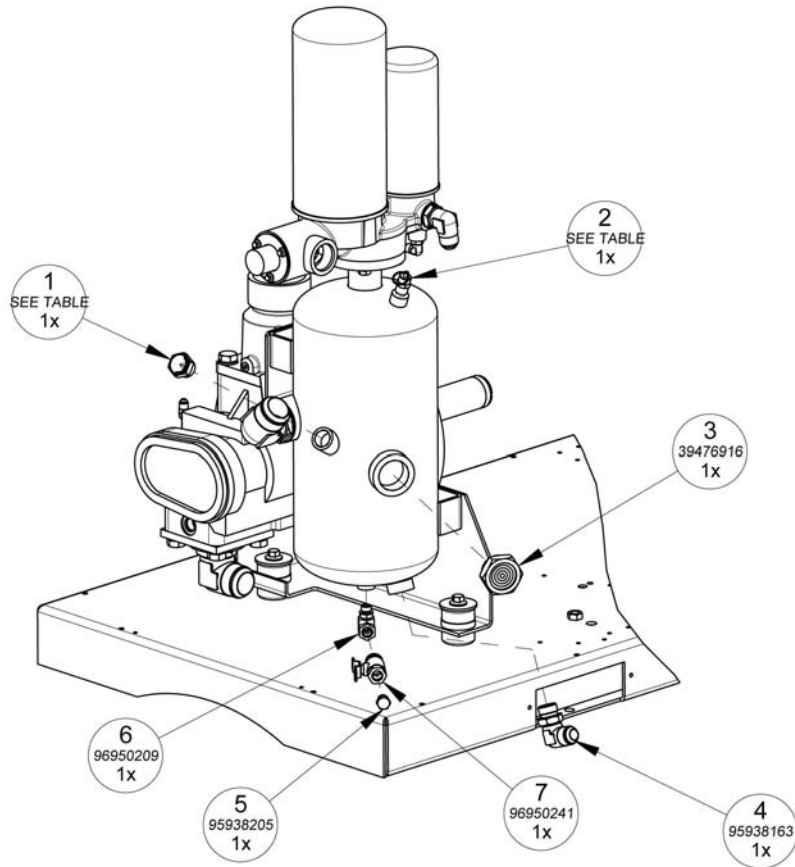
Item	Part No.	Description	Qty.
1	67904409	ELBOW, 1.50 INCH TUBE x 1.88 SAE ZINC	2

NOTE:

ELBOW #67904409 IS SUPPLIED WITH O-RING #67904078 ON THE 37DEG. FLARE END OF THE FITTING. WHEN ASSEMBLING THE ELBOW, THE O-RINGS ON BOTH ENDS ARE TO BE COATED WITH O-RING LUBRICANT.

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Sight Glass, Coolant Fill Plug and Coolant Sump Fitting to Separator Tank



(Dwg. 22719801ZE13)

PARTS LIST

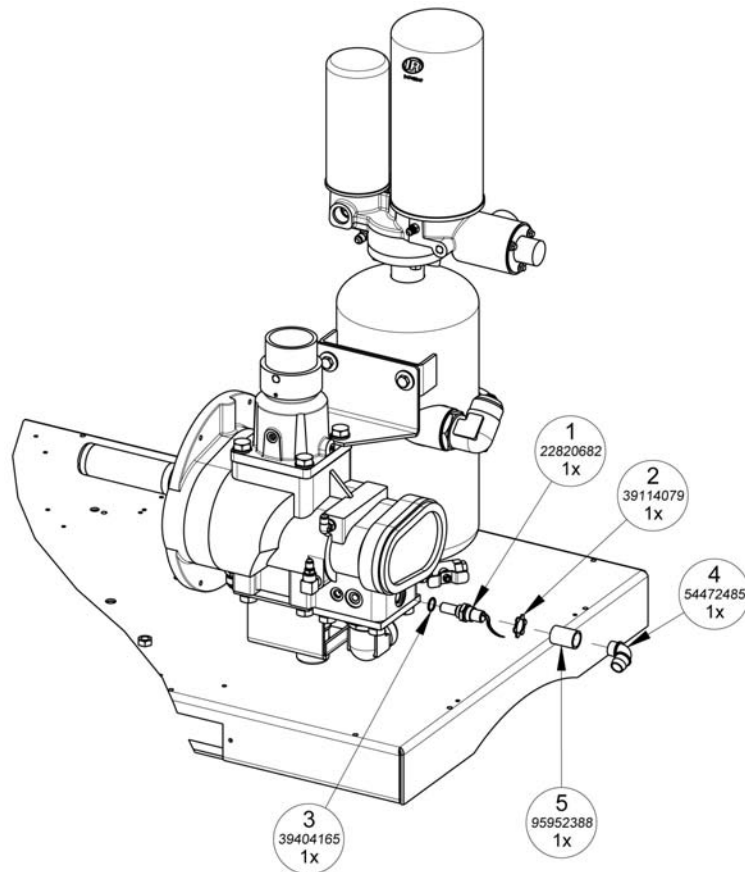
Item	Part No.	Description	Qty.
1	22182265	ULTRA PLUS	1
	23176068	ULTRA	1
	24134769	ULTRA EL	1
	24134777	ULTRA FG	1
2	22378665	VALVE, PRESSURE SAFETY, (ASME/CRN) 20-25 hp/15-18.5 kW	1
	22401590	VALVE, PRESSURE SAFETY, (CE) 20-25 hp/15-18.5 kW, (SQL/AS1210) 20-25 hp/15-18.5 kW	1
3	39476916	SIGHT GLASS	1
4	95938163	ELBOW, 0.75 INCH TUBE x 1.06 SAE	1
5	95938205	PLUG, HEX 0.56 SAE	1
6	96950209	ELBOW, 0.562-18 M/F SAE THD (W/VITON O-RING)	1
7	96950241	VALVE, BALL 0.25 FNPT	1

NOTE:

APPLY LOCTITE 542 TO ALL PIPE THREAD FITTINGS

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble High Air Temp Switch and Wire Coupler



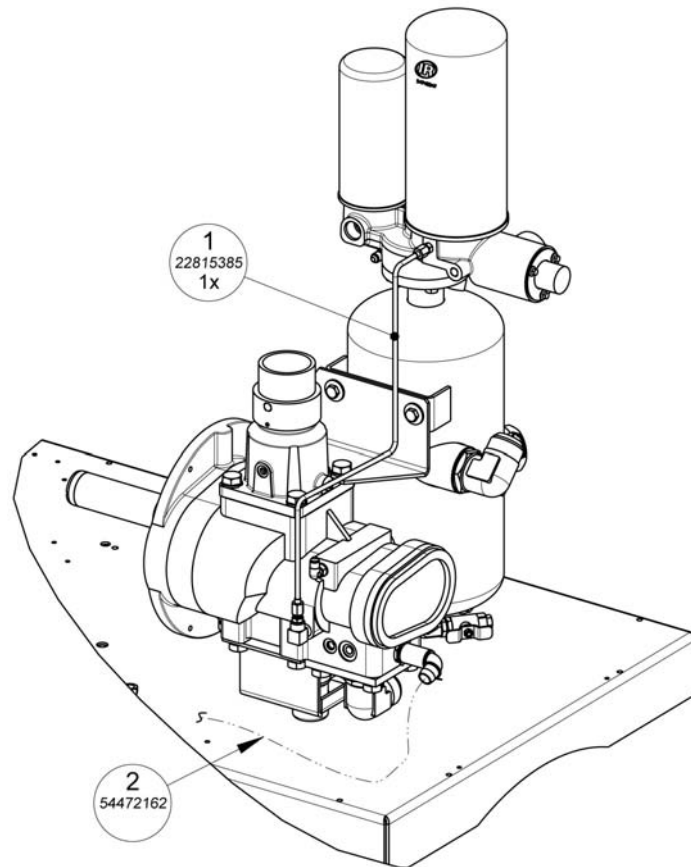
(Dwg. 22719801ZE14)

PARTS LIST

Item	Part No.	Description	Qty.
1	22820682	SWITCH, HAT 228° F	1
2	39114079	LOCKNUT, 0.50 INCH	1
3	39404165	O-RING, 0.644 INCH I.D x 0.087 INCH WIDTH	1
4	54472485	ELBOW, 90 DEG. 0.375 INCH CONDUIT (BLACK NYLON)	1
5	95952388	COUPLING, STANDARD 0.50 NPT x 1.50 INCH LONG	1

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Scavenge Tube



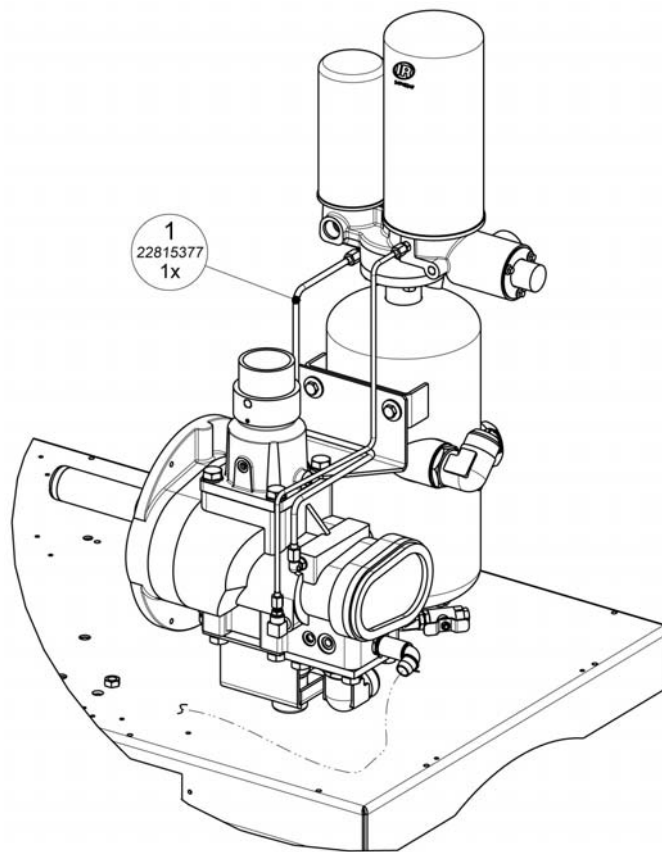
(Dwg. 22719801ZE15)

PARTS LIST

Item	Part No.	Description	Qty.
1	22815385	TUBE, SCAVENGE (20-25 hp/15-18.5 kW)	1
2	54472162	CONDUIT, 0.375 INCH HEAVY	6.5 FT.

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Bearing Coolant Feed Line



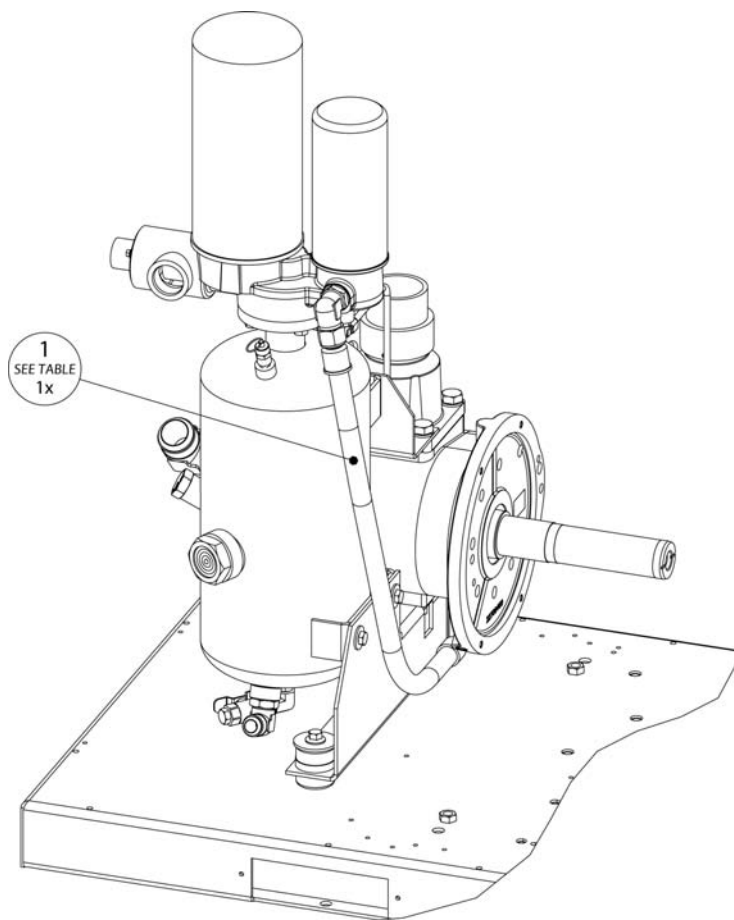
(Dwg. 22719801ZE516

PARTS LIST

Item	Part No.	Description	Qty.
1	22815377	TUBE, REAR BEARING FEED (20-25 hp/15-18.5 kW)	1

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Main Bearing Coolant Feed Line



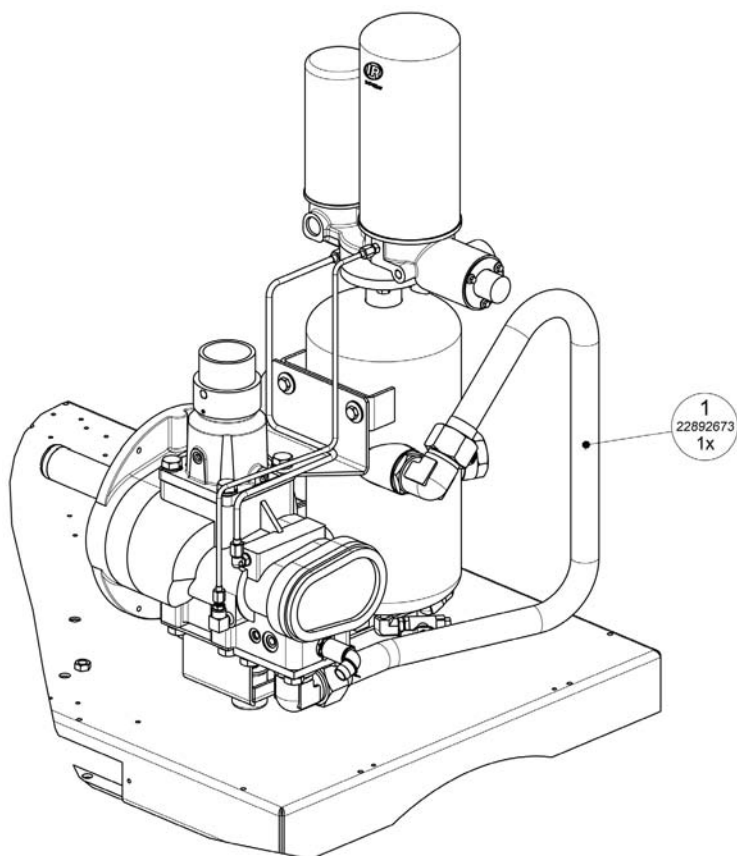
(Dwg. 22719801ZE17)

PARTS LIST

Item	Part No.	Description	Qty.
1	48662332	HOSE, HYD, STR x 90 - 12 x 32 INCH, WITH RUBBER	1
	24279176	HOSE, HYD, STR x 90 - 12 x 32 INCH, WITH PTFE	1

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Discharge Tube



(Dwg. 22719801ZE18)

PARTS LIST

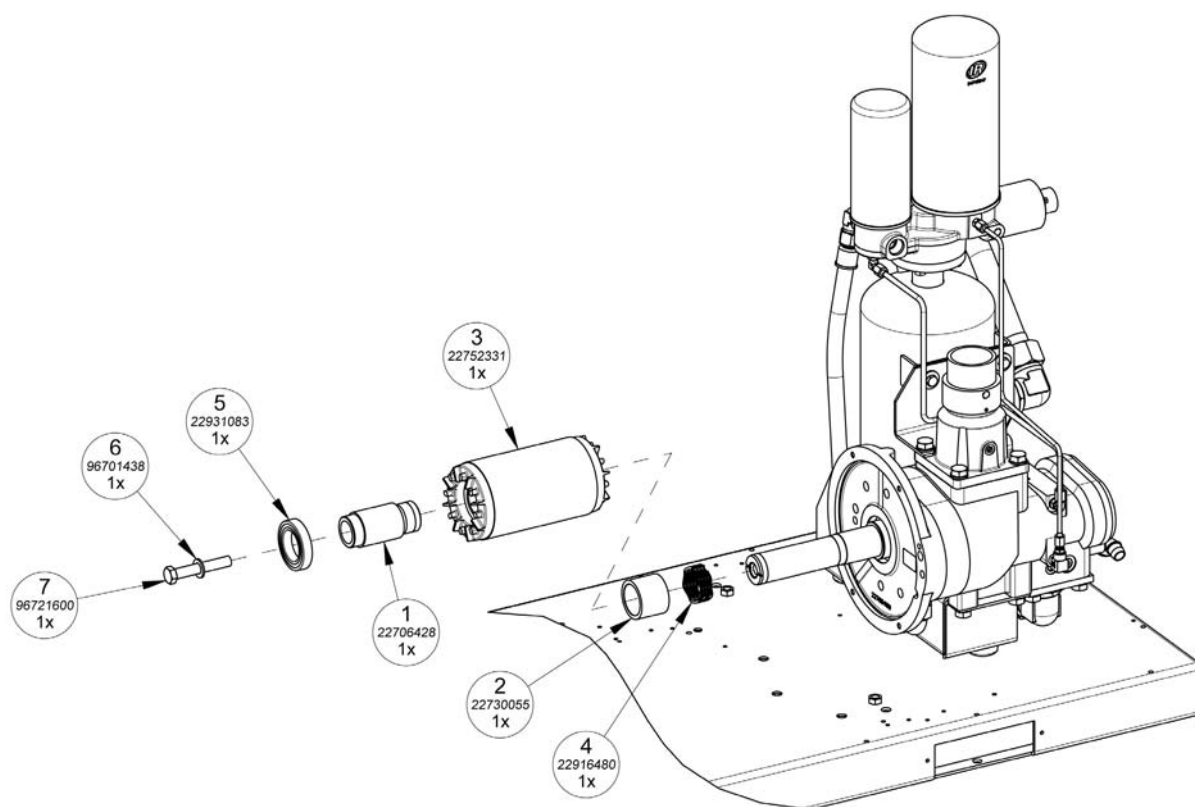
Item	Part No.	Description	Qty.
1	22892673	TUBE, AIREND DISCHARGE (20-25 hp/15-18.5 kW)	1

CAUTION:

ASSEMBLY OF THE DISCHARGE TUBE INCLUDES O-RING SEALS AT THE 37DEG. FLARED ENDS OF THE FITTINGS. PROPER ALIGNMENT AND LUBRICATION IS REQUIRED. THE O-RINGS ARE TO BE COATED WITH O-RING LUBRICANT PRIOR TO ASSEMBLY.

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor Rotor onto Airend Male Rotor Shaft



(Dwg. 22719801ZE19)

PARTS LIST

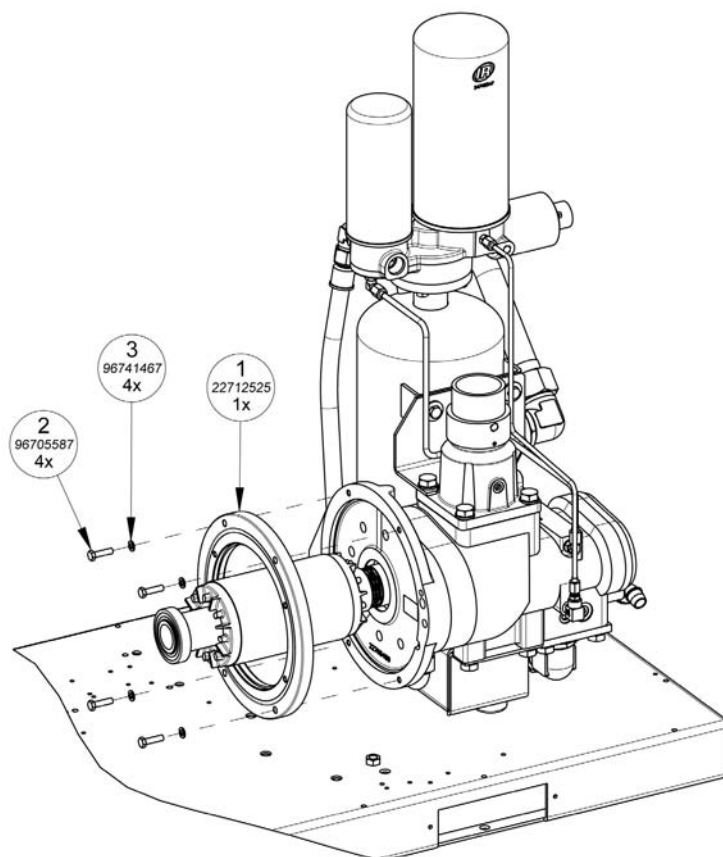
Item	Part No.	Description	Qty.
1	22706428	SHAFT, EXTENSION, 20 hp MOTOR	1
2	22730055	SPACER, MOTOR/AIREND CF75	1
3	22752331	ROTOR, MOTOR 20-25 hp/15-18.5 kW	1
4	22916480	SPRING, WAVE	1
5	22931083	BEARING, BALL CONTACT SEALED	1
6	96701438	WASHER, M16	1
7	96721600	SCREW, HEX HEAD M16-2 x 100 LONG	1

NOTES:

1. FOR ITEM 96721600 APPLY LOCTITE #242 THEN TORQUE USING A 1/2 INCH OR 3/4 INCH IMPACT WRENCH UNTIL THE SHAFT EXTENSION BOTTOMS WITH THE ROTOR SHAFT. A MAX TORQUE OF 215N-M (158 FT-LBS) CAN BE APPLIED
2. APPLY LOCTITE 680 TO BEARING ID/SHAFT EXTENSION
3. AFTER ASSEMBLY THE MAXIMUM ALLOWABLE RUN OUT ON BEARING 22931083 IS TO BE 0.2 mm [0.008"]

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor Adapter Plate to Airend



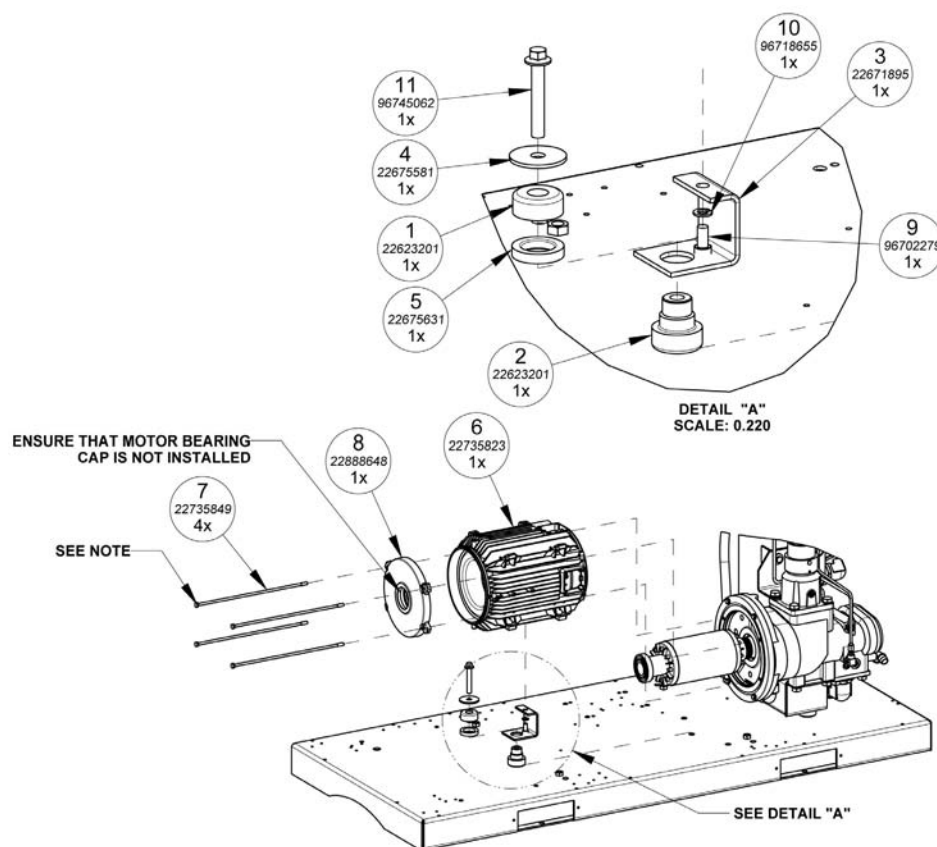
(Dwg. 22719801ZE20)

PARTS LIST

Item	Part No.	Description	Qty.
1	22712525	ADAPTER, MOTOR MACHINED	
2	96705587	SCREW, HEX HEAD M8-1.25 x 30 LONG	
3	96741467	WASHER, SPRING LOCK, M8	

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Stator onto Rotor



(Dwg. 22719801ZE21)

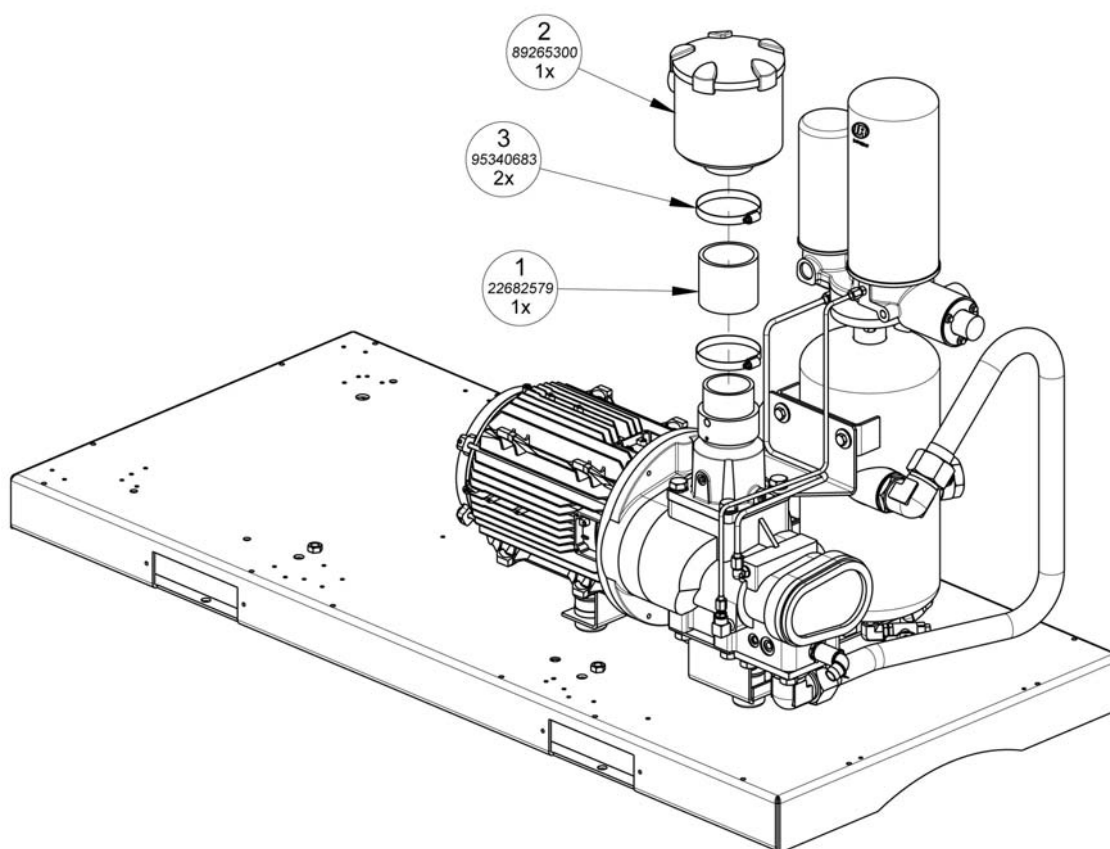
PARTS LIST

Item	Part No.	Description	Qty.
1	22623201	MOUNT, RUBBER ISOLATION (FEMALE) (PART OF ISOLATOR ASSEMBLY 22623201)	1
2	22623201	MOUNT, RUBBER ISOLATION (MALE) (PART OF ISOLATOR ASSEMBLY 22623201)	1
3	22671895	SUPPORT, MOTOR	1
4	22675581	WASHER, ISOLATOR MOUNT	1
5	22675631	SPACER, ISOLATOR MOUNT	1
6	22735823	STATOR, MOTOR (20-25 hp/15-18.5 kW)	1
7	22735849	SCREW, MOTOR TIE ROD HEX HEAD M8 x 350 LONG	1
8	22888648	KIT, NDE FLANGE/O-RING (20-25 hp/15-18.5 kW)	1
9	96702279	SCREW, HEX HEAD M10-1.50 x 20 LONG	1
10	96718655	WASHER, SPRING LOCK, M10	1
11	96745062	SCREW, HEX HEAD FLANGE M12 x 75 LONG	1

NOTE: TORQUE MOTOR TIE ROD SCREWS (22735849) TO 18 N-M (13 FT-LBS.) IN A CRISS-CROSS PATTERN IN TWO STEPS. IN THE FIRST STEP TORQUE ALL SCREWS TO 9 N-M (7 FT-LBS.), AND TORQUE TO FINAL VALUE OF 18 N-M (13 FT-LBS.) IN THE SECOND STEP.

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Standard Inlet Filter



(Dwg. 22719801ZE22)

PARTS LIST

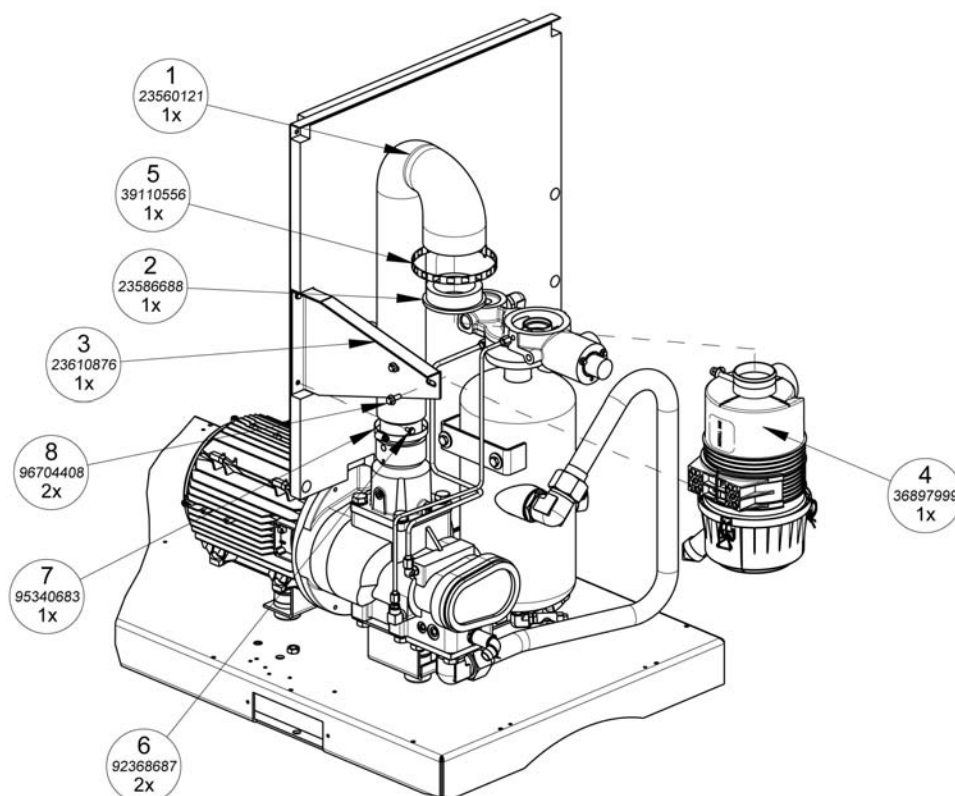
Item	Part No.	Description	Qty.
1	22682579	HOSE, AIR INLET	1
2	89265300	AIR FILTER (ELEMENT 89295976)	1
3	95340683	CLAMP, HOSE, WORM DRIVE, STAINLESS STEEL	2

NOTE:

FOR 20-25 hp/15-18.5 kW HIGH DUST FILTER SEE SHEET 91

AIREND/MOTOR (20-25 HP/15-18.5 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble High Dust Filter Mount Bracket and High Dust Filter/Hoses



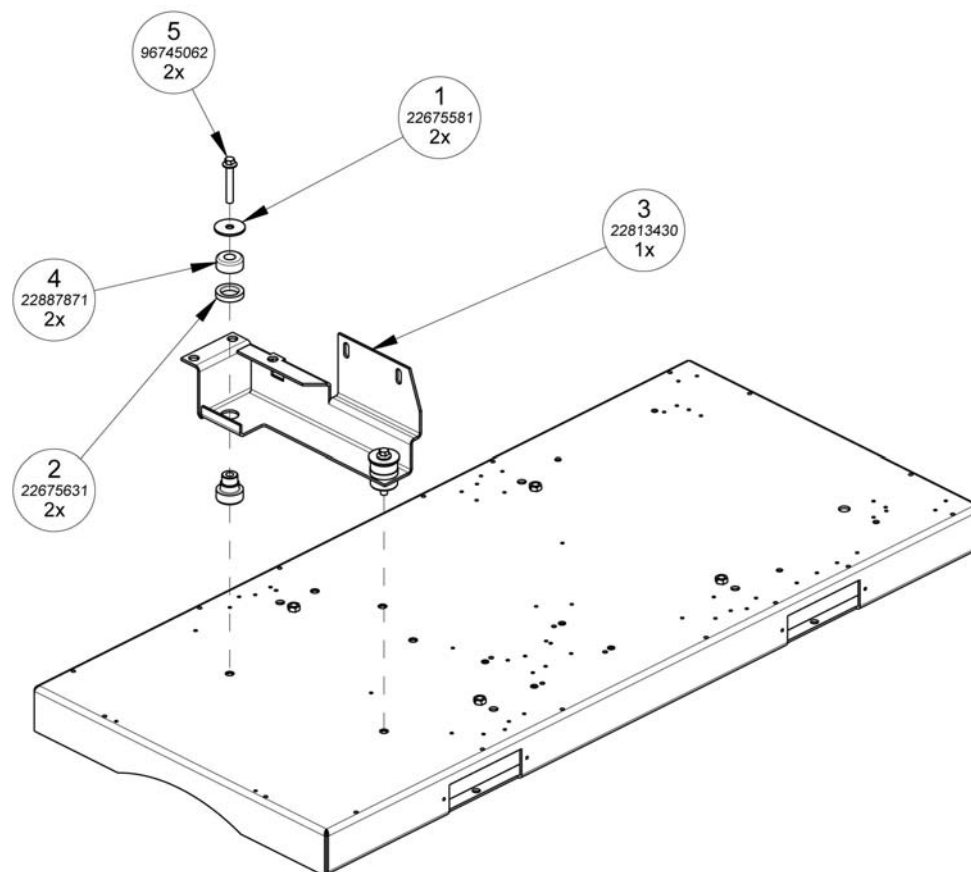
(Dwg. 22719801ZE23)

PARTS LIST

Item	Part No.	Description	Qty.
1	23560121	HOSE, 180 DEGREE RUBBER (4.00 INCH x 3.00 INCH REDUCER)	1
2	23586688	SLEEVE, INSERT (4.00 INCH x 3.00 INCH REDUCER)	1
3	23610876	SUPPORT, HIGH DUST AIR FILTER 20-25 hp	1
4	36897999	ASSEMBLY, HIGH DUST AIR FILTER (ELEMENT 35393685)	1
5	39110556	CLAMP, WORM SCREW 4.25 INCH - 6.00 INCH	1
6	92368687	TAPTITE SCREW M6-1x 12 LONG	2
7	95340683	CLAMP, HOSE, WORM DRIVE, STAINLESS STEEL	1
8	96704408	SCREW, HEX HEAD FLANGE M8 x 20 LONG	2

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend/Separator Tank Support Bracket and Isolators to Base.



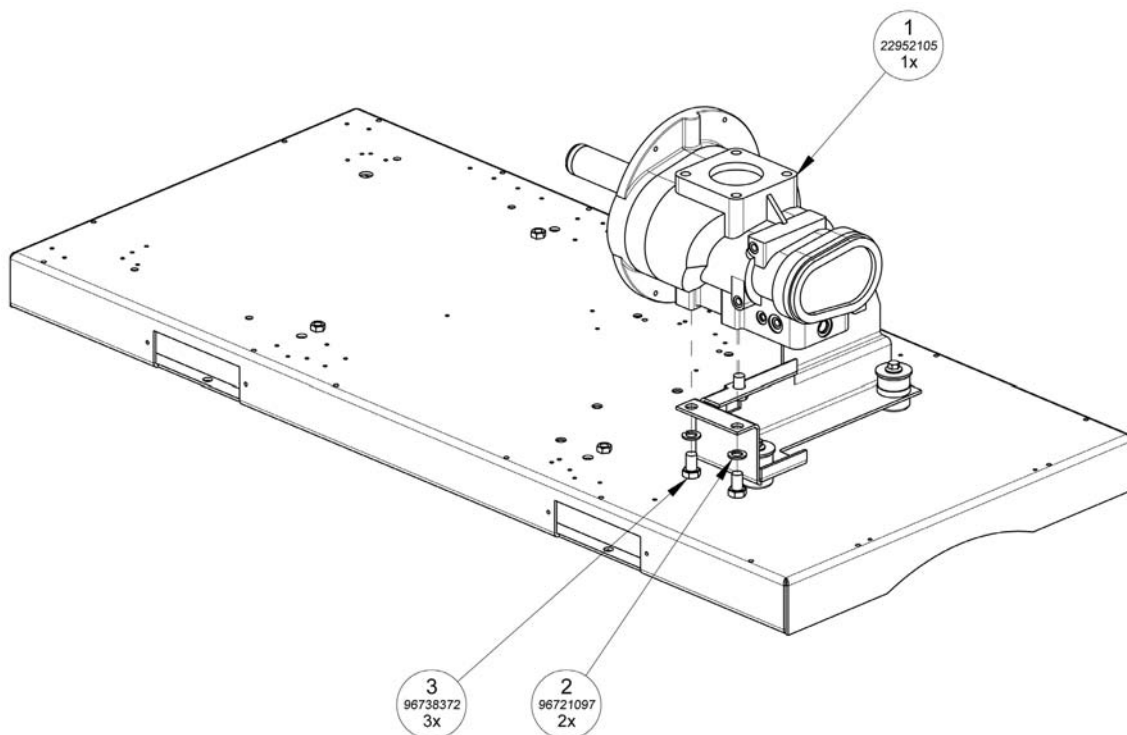
(Dwg. 22947741V2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22675581	WASHER, ISOLATOR MOUNT	2
2	22675631	SPACER, ISOLATOR MOUNT	2
3	22813430	SUPPORT, AIREND/SEP. TANK (30-40 hp/22-30 kW)	1
4	22887871	MOUNT, RUBBER ISOLATION	2
5	96745062	SCREW, HEX HEAD FLANGE M12 x 75 LONG	2

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Housing to Mount Bracket.



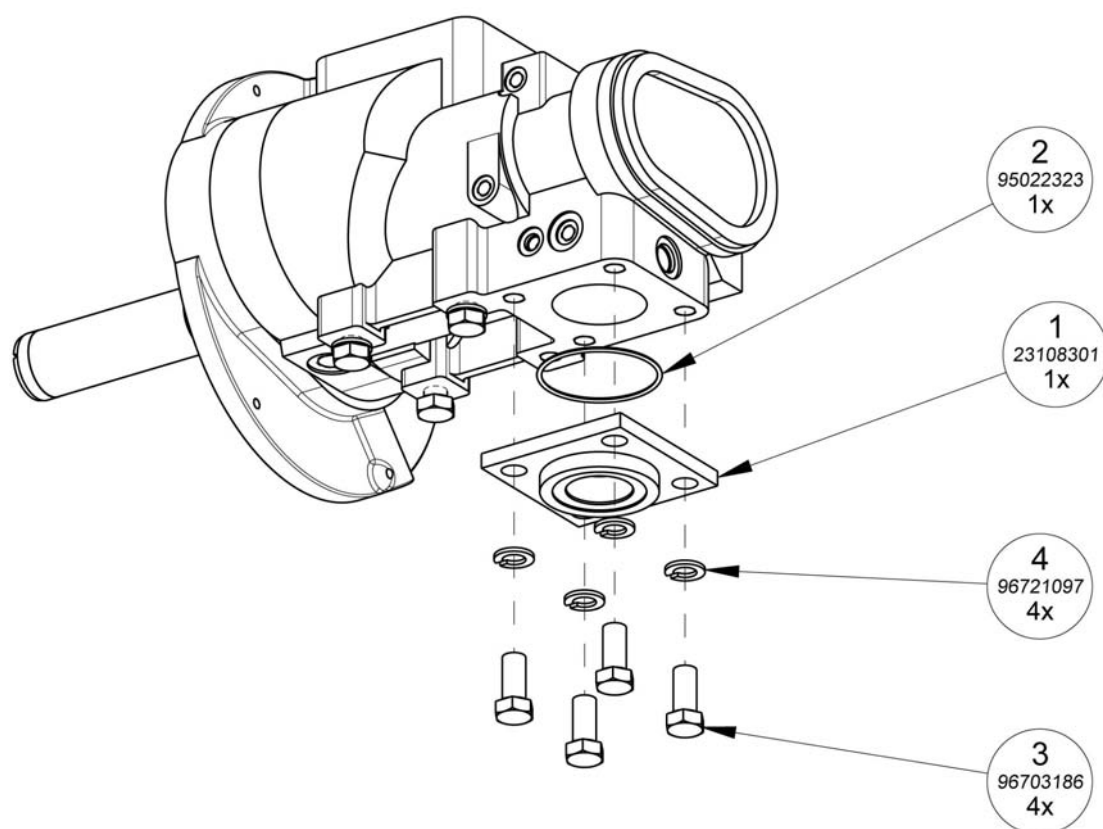
(Dwg. 22947741V3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22952105	ASSY., CF75 AIREND	1
2	96721097	WASHER, SPRING LOCK, M16	2
3	96738372	SCREW, HEX HEAD M16-2 x 25 LONG	3

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Adapter Plate.



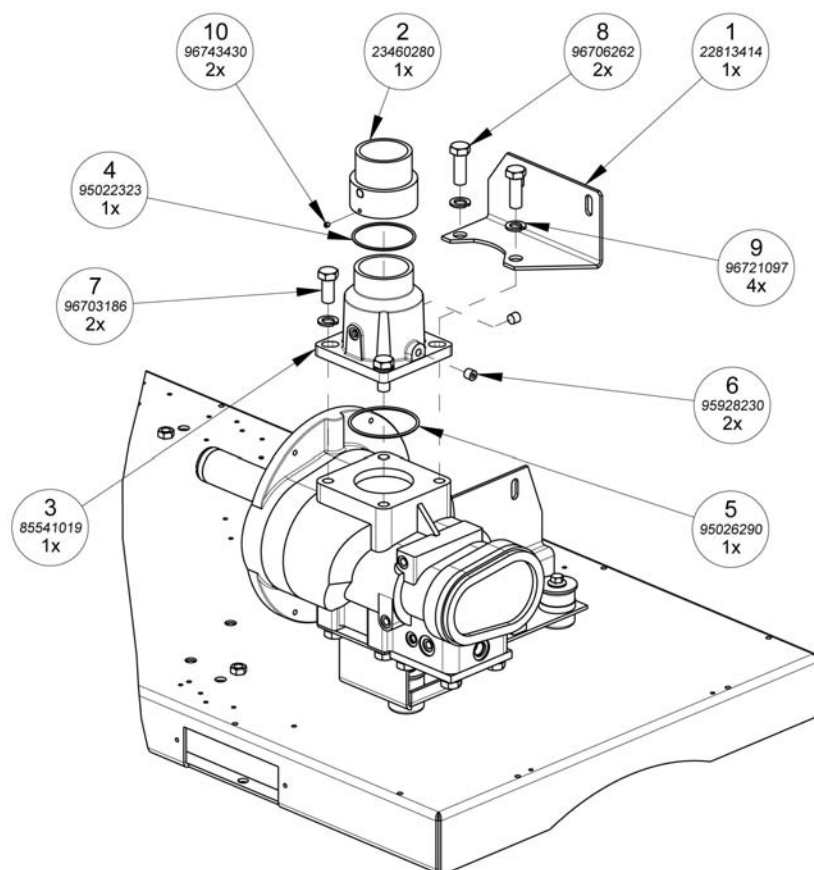
(Dwg. 22947741V4)

PARTS LIST

Item	Part No.	Description	Qty.
1	23108301	PLATE, DISCHARGE ADAPTER	1
2	95022323	O-RING, STANDARD -235, 3.125 INCH ID x 0.125 INCH WIDTH	1
3	96703186	SCREW, HEX HEAD M16-2 x 35 LONG	4
4	96721097	WASHER, SPRING LOCK, M16	4

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Inlet Valve, Inlet Valve Sleeve and Separator Tank Bracket to Airend.



(Dwg. 22947741V5)

PARTS LIST

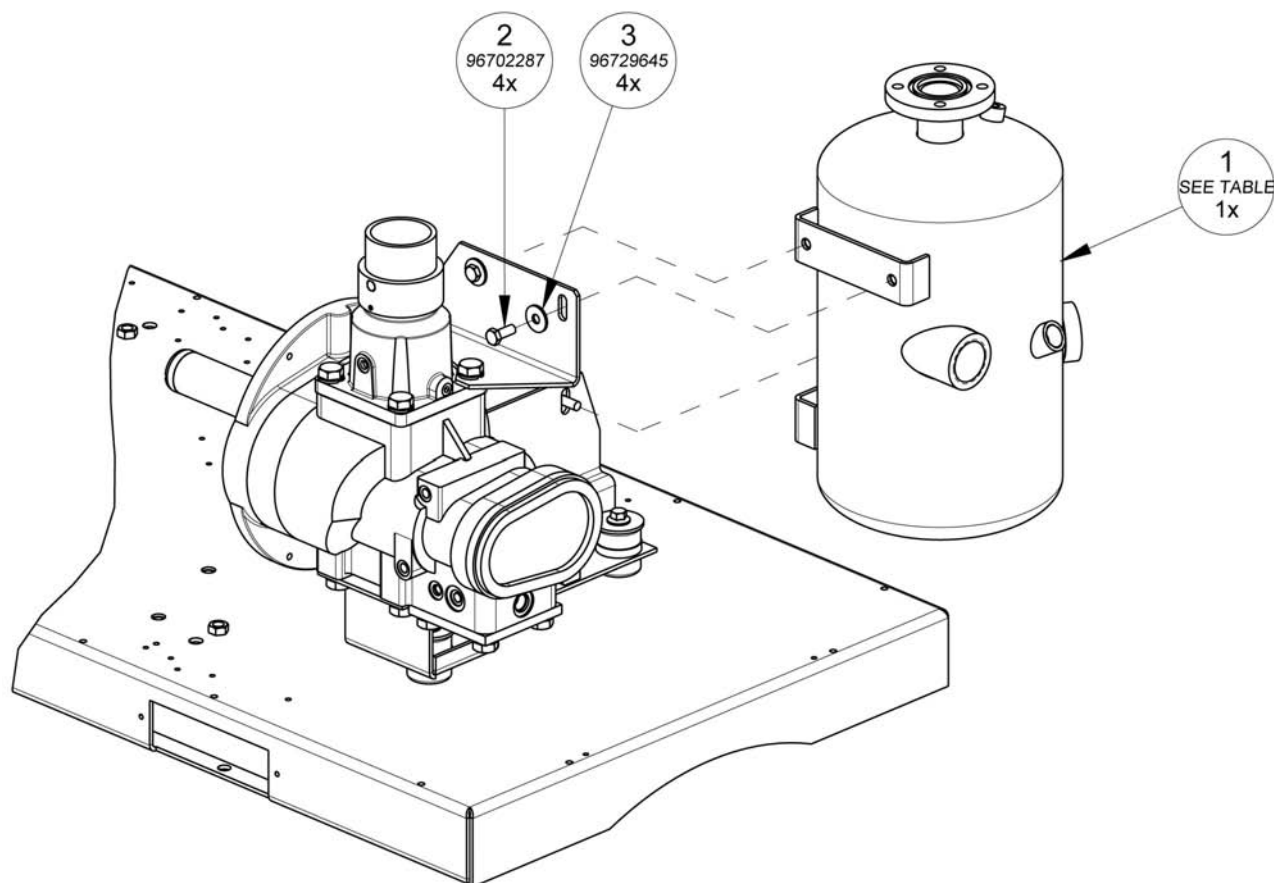
Item	Part No.	Description	Qty.
1	22813414	BRACKET, SEPARATOR TANK	1
2	23460280	SLEEVE, INLET VALVE (WITH BLOWDOWN PORT)	1
3	85541019	VALVE, INLET	1
4	95022323	O-RING, STANDARD -235, 3.125 INCH ID x 0.125 INCH WIDTH	1
5	95026290	O-RING, STANDARD -238, 3.484 INCH ID x 0.139 INCH WIDTH	1
6	95928230	PLUG, SOCKET 0.25 NPT	2
7	96703186	SCREW, HEX HEAD M16-2.00 x 35.0 LONG	2
8	96706262	SCREW, HEX HEAD M16-2.00 x 45.0 LONG	2
9	96721097	WASHER, SPRING LOCK, M16	4
10	96743430	SETSCREW, M6-1 x 6 LONG	2

NOTE:

APPLY LOCTITE 542 TO ALL PIPE THREAD FITTINGS.

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Separator Tank to Support.



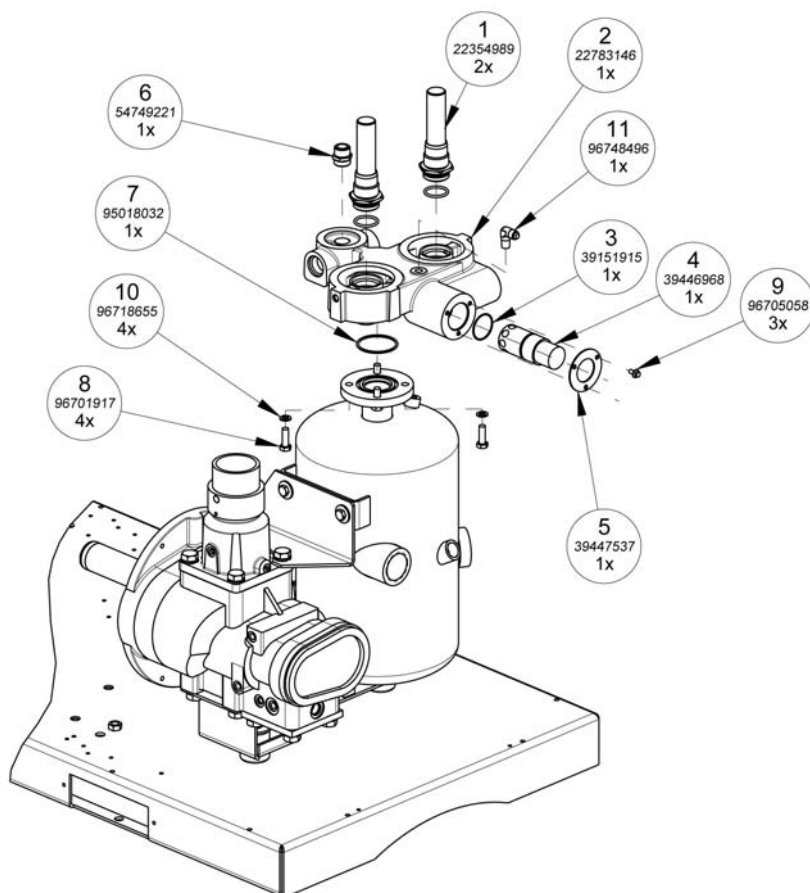
(Dwg. 22947741V6)

PARTS LIST

Item	Part No.	Description	Qty.
1	22813844	TANK, SEPARATOR, (AMSE/CRN) 30-40 hp/22-30 kW	1
	22813851	TANK, SEPARATOR, (CE) 30-40 hp/22-30 kW	1
	22813869	TANK, SEPARATOR, (SQL/AS1210) 30-40 hp/22-30 kW	1
2	96702287	SCREW, HEX HEAD M10-1.50 x 25.0 LONG	4
3	96729645	WASHER, LARGE M10	4

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filter Manifold to Separator Tank.



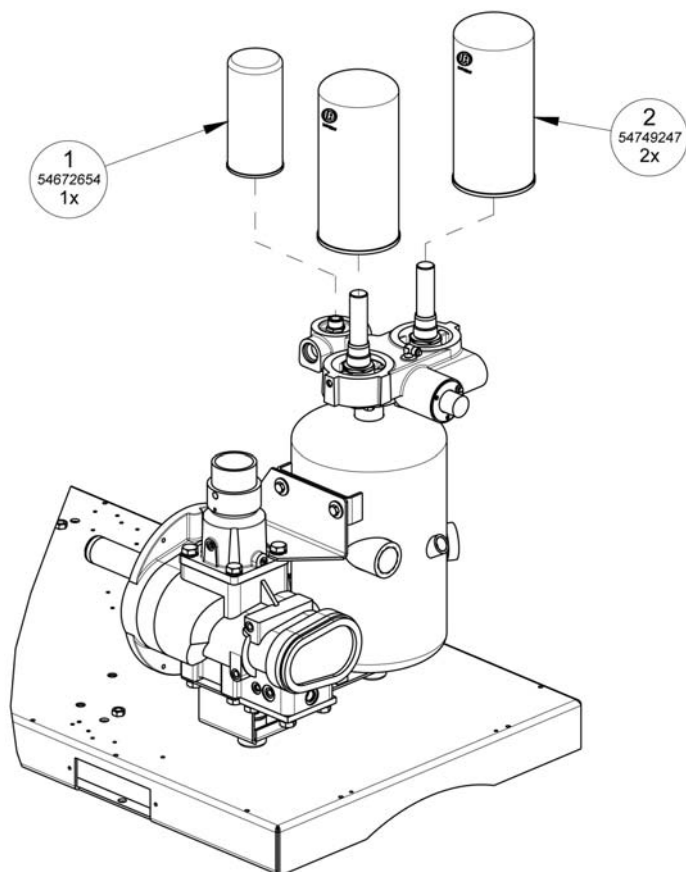
(Dwg. 22947741V7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22354989	NIPPLE, FILTER SEPARATOR	2
2	22783146	MANIFOLD, FILTER (MACHINED) DUAL SEPARATOR ELEMENT	1
3	39151915	O-RING, I.D. 1.975 INCH	1
4	39446968	VALVE, MINIMUM PRESSURE CHECK (1.25 INCH INSERT)	1
5	39447537	PLATE, MPCV RETAINER	1
6	54749221	NIPPLE, COOLANT FILTER	1
7	95018032	O-RING, STANDARD -229, 2.375 INCH ID x 0.125 INCH WIDTH	1
8	96701917	SCREW, HEX HEAD M10-1.50 x 30 LONG	4
9	96705058	SCREW, HEX HEAD FLANGE M6 x 12 LONG	3
10	96718655	WASHER, SPRING LOCK, M10	4
11	96748496	ELBOW, 90DEG. 0.38 INCH TUBE 0.25 BSPT	1

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Filters to Manifold.



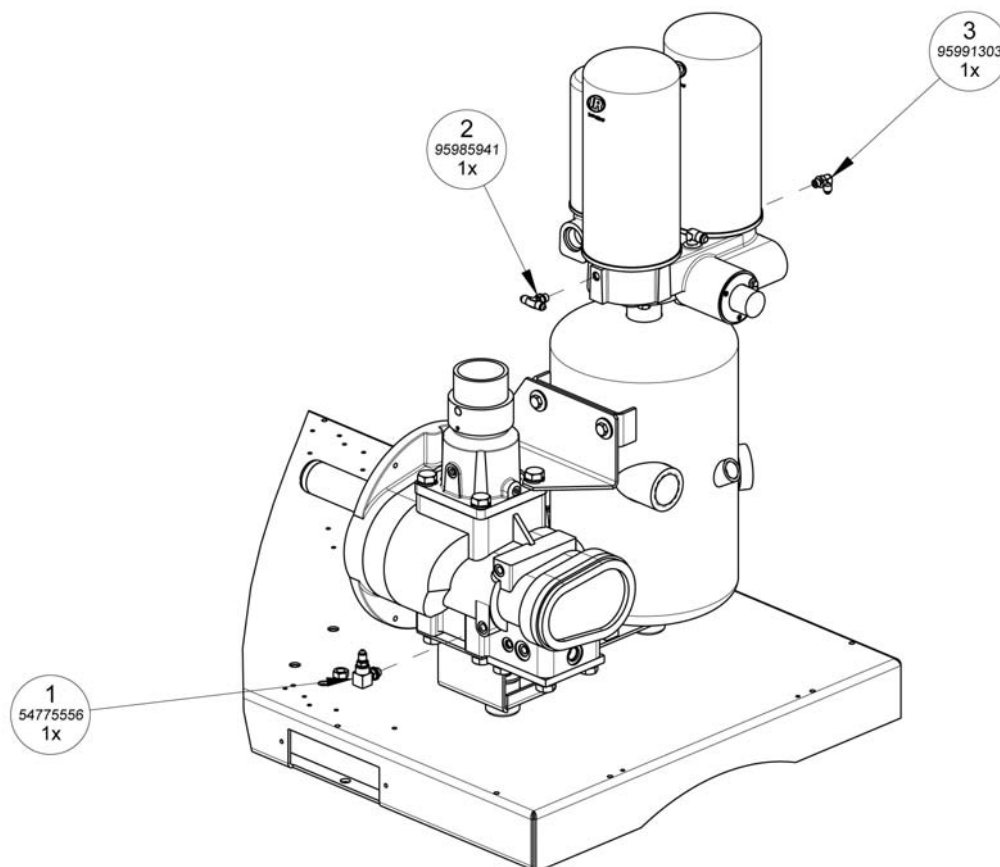
(Dwg. 22947741V8)

PARTS LIST

Item	Part No.	Description	Qty.
1	54672654	ELEMENT, COOLANT FILTER	1
2	54749247	ELEMENT, SEPARATOR 194 cfm	2

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

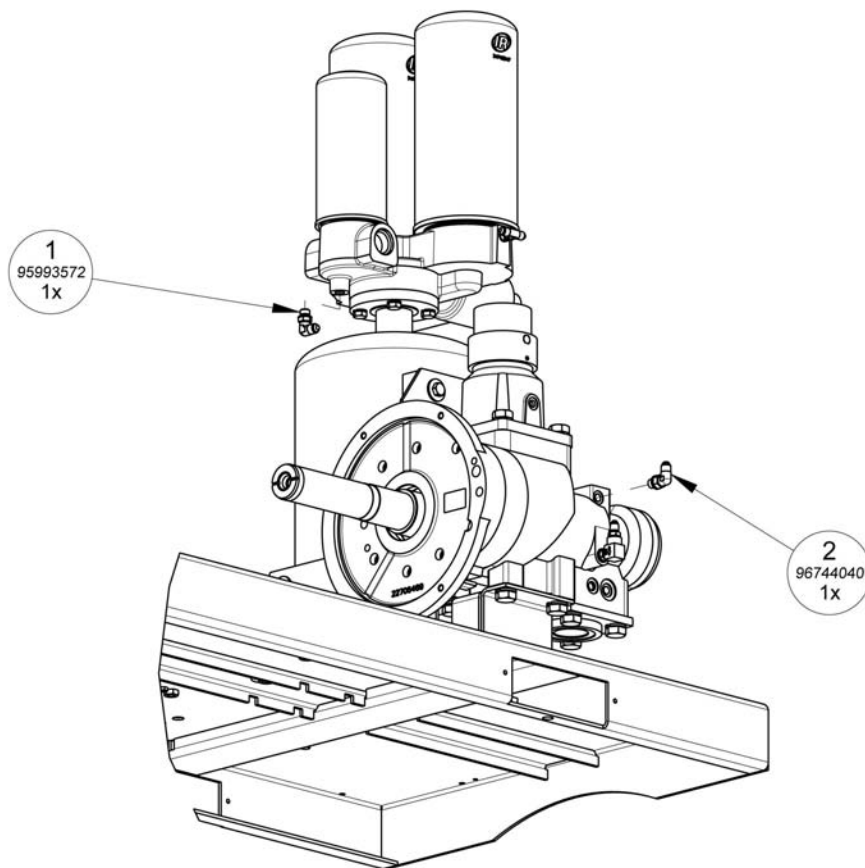
Assemble Coolant Scavenge Fittings and Plug.



(Dwg. 22947741V9

PARTS LIST

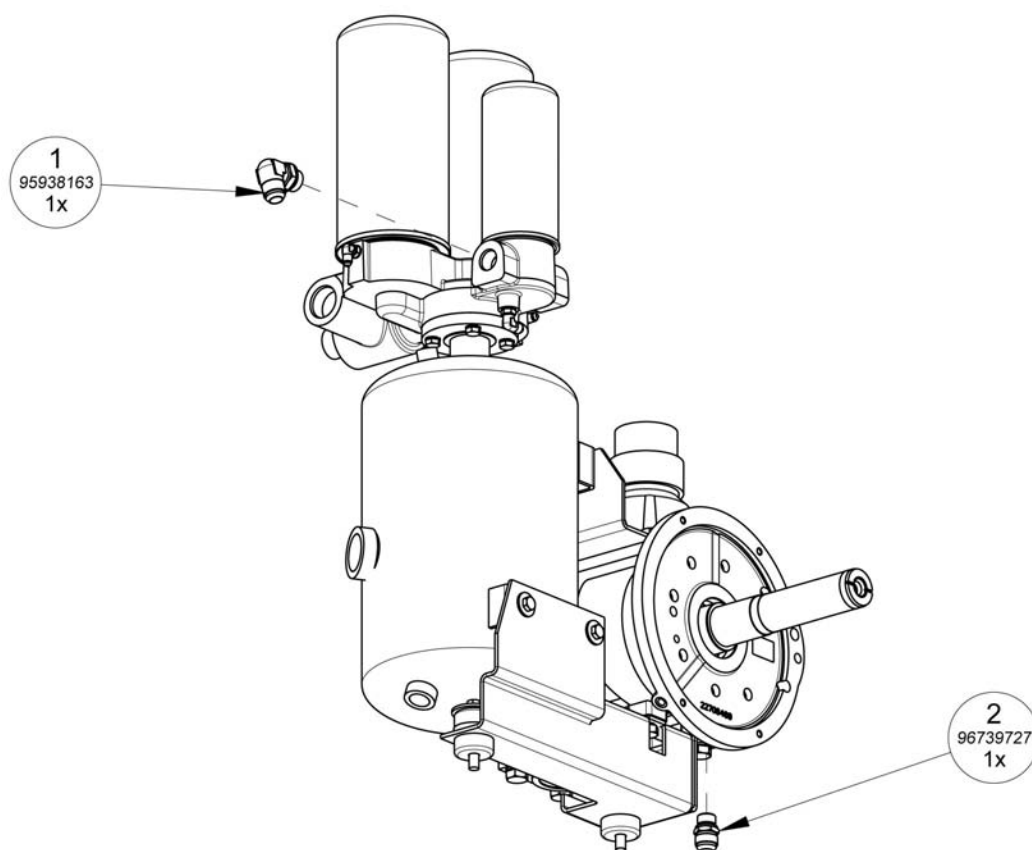
Item	Part No.	Description	Qty.
1	54775556	ELBOW, 90 DEG. CHECK VALVE, (0.787 mm/0.31 INCH ORIFICE)	1
2	95985941	TEE, BRANCH 0.25 INCH TUBE x 0.44 SAE	1
3	95991303	ELBOW, 0.25 INCH TUBE x 0.44 SAE	1

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST**Assemble Bearing Coolant Feed Fittings.****(Dwg. 22947741V10)****PARTS LIST**

Item	Part No.	Description	Qty.
1	95993572	ELBOW, 0.31 INCH TUBE x 0.50 SAE	1
2	96744040	ELBOW, 0.31 INCH TUBE x M12	1

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Main Bearing Coolant Feed Fittings.



(Dwg. 22947741V11)

PARTS LIST

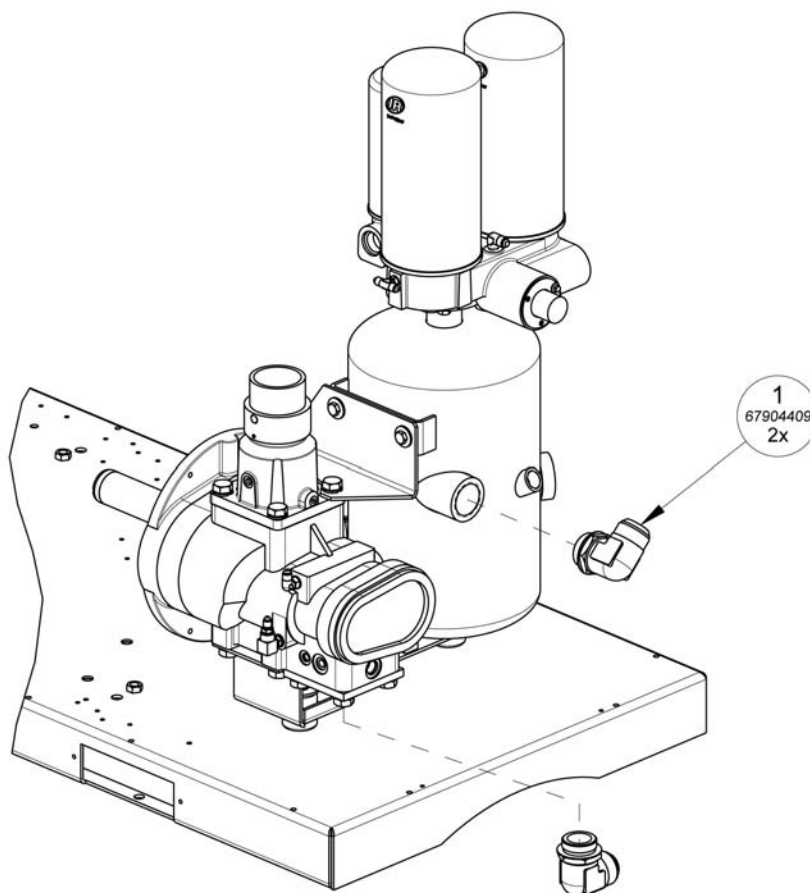
Item	Part No.	Description	Qty.
1	95938163	ELBOW, 0.75 INCH TUBE x 1.06 SAE	1
2	96739727	CONNECTOR, 0.75 INCH TUBE x M22 PARALLEL THREAD	1

NOTE:

APPLY LOCTITE 542 TO ALL PIPE THREAD FITTINGS.

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Fittings to Discharge Adapter Plate and Separator Tank.



(Dwg. 22947741V12)

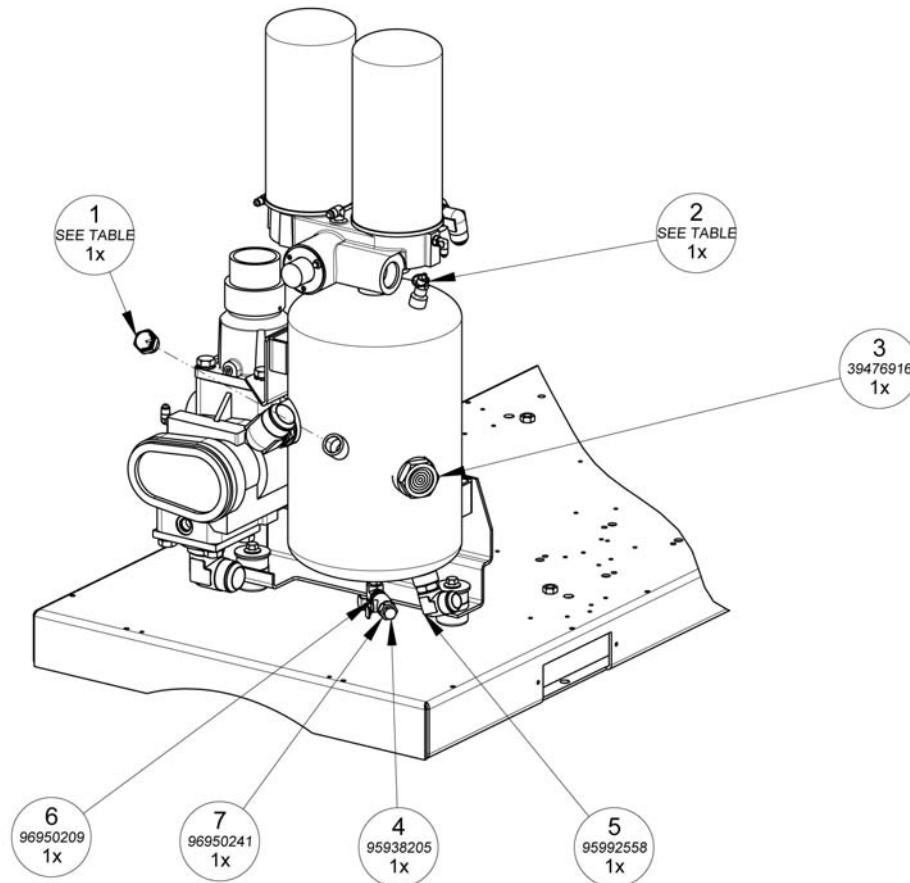
PARTS LIST

Item	Part No.	Description	Qty.
1	67904409	ELBOW, 1.50 INCH TUBE x 1.88 SAE ZINC	2

**NOTE: ELBOW #67904409 IS SUPPLIED WITH O-RING #67904078 ON THE 37DEG. FLARE END OF THE FITTING.
WHEN ASSEMBLING THE ELBOW, THE O-RINGS ON BOTH ENDS ARE TO BE COATED WITH O-RING LUBRICANT.**

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Sight Glass, Coolant Fill Plug, Coolant Sump Fitting and Pressure Safety Valve to Separator Tank.



(Dwg. 22947741V13)

PARTS LIST

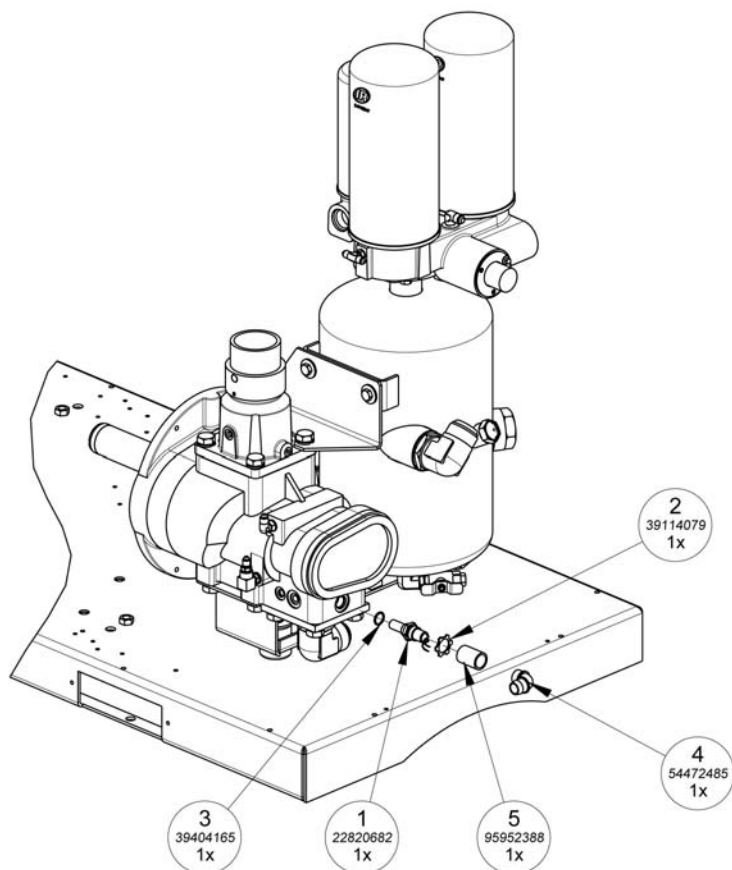
Item	Part No.	Description	Qty.
1	22182265	ULTRA PLUS	1
	23176068	ULTRA	1
	24134769	ULTRA EL	1
	24134777	ULTRA FG	1
2	22378665	VALVE, PRESSURE SAFETY, (ASME/CRN) 30-40 hp/22-30 kW	1
	22856934	VALVE, PRESSURE SAFETY, (CE) 30-40 hp/22-30 kW, (SQL/AS1210) 30-40 hp/22-30 kW	1
3	39476916	SIGHT GLASS	1
4	95938205	PLUG, HEX 0.56 SAE	1
5	95992558	ELBOW, 1.00 INCH TUBE x 1.06 SAE	1
6	96950209	ELBOW, 0.562-18 M/F SAE THD. (W/VITON O-RING)	1
7	96950241	VALVE, BALL 0.25 FNPT	1

NOTE:

APPLY LOCTITE 542 TO ALL PIPE THREAD FITTINGS.

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble High Air Temperature Switch and Wire Coupler.



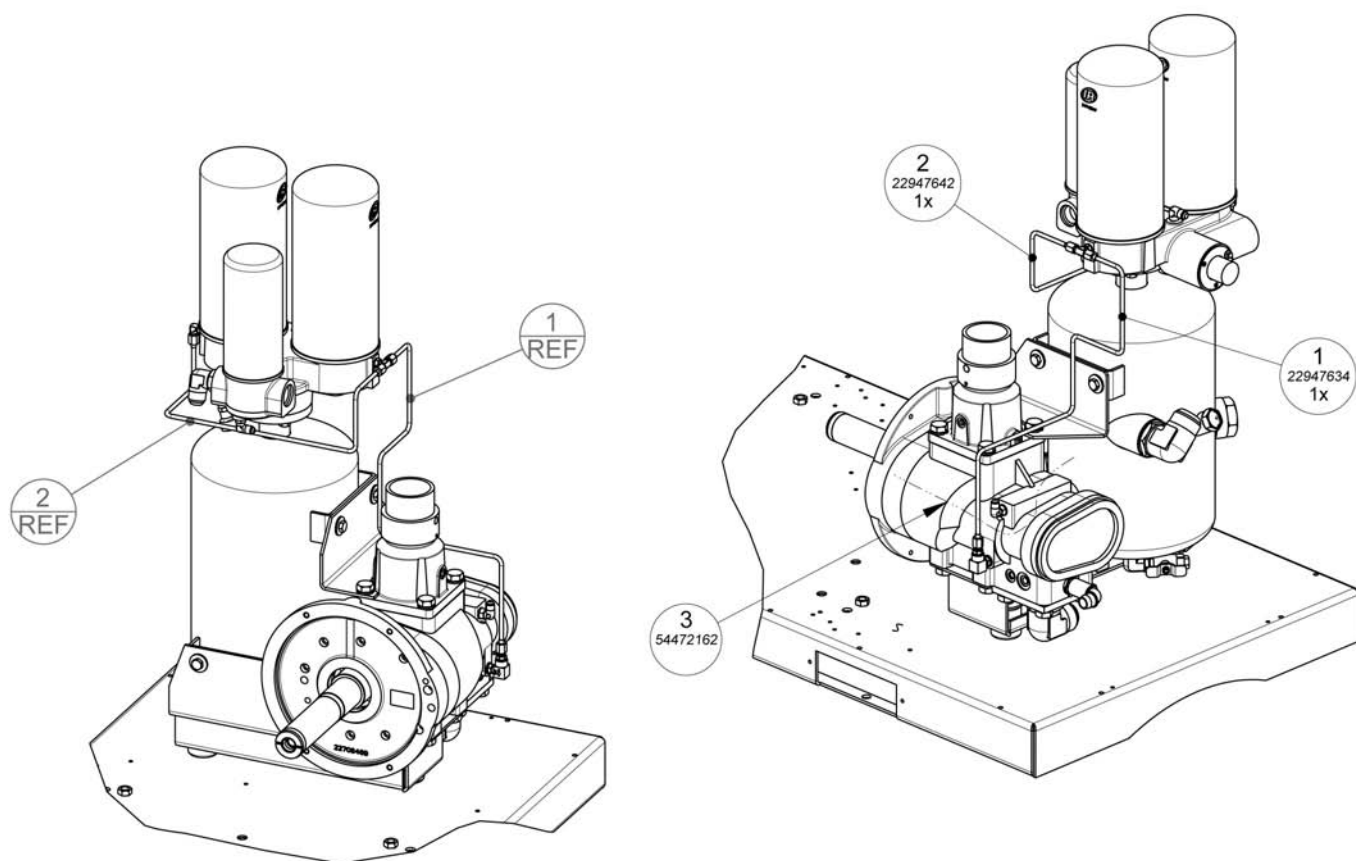
(Dwg. 22947741V14)

PARTS LIST

Item	Part No.	Description	Qty.
1	22820682	SWITCH, HAT 228° F	1
2	39114079	LOCKNUT, 0.50 INCH	1
3	39404165	O-RING, 0.644 INCH ID x 0.087 INCH WIDTH	1
4	54472485	ELBOW, 90 DEG. 0.375 INCH CONDUIT (BLACK NYLON)	1
5	95952388	COUPLING, STANDARD 0.50 NPT x 1.50 INCH LONG	1

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Scavenge Line.



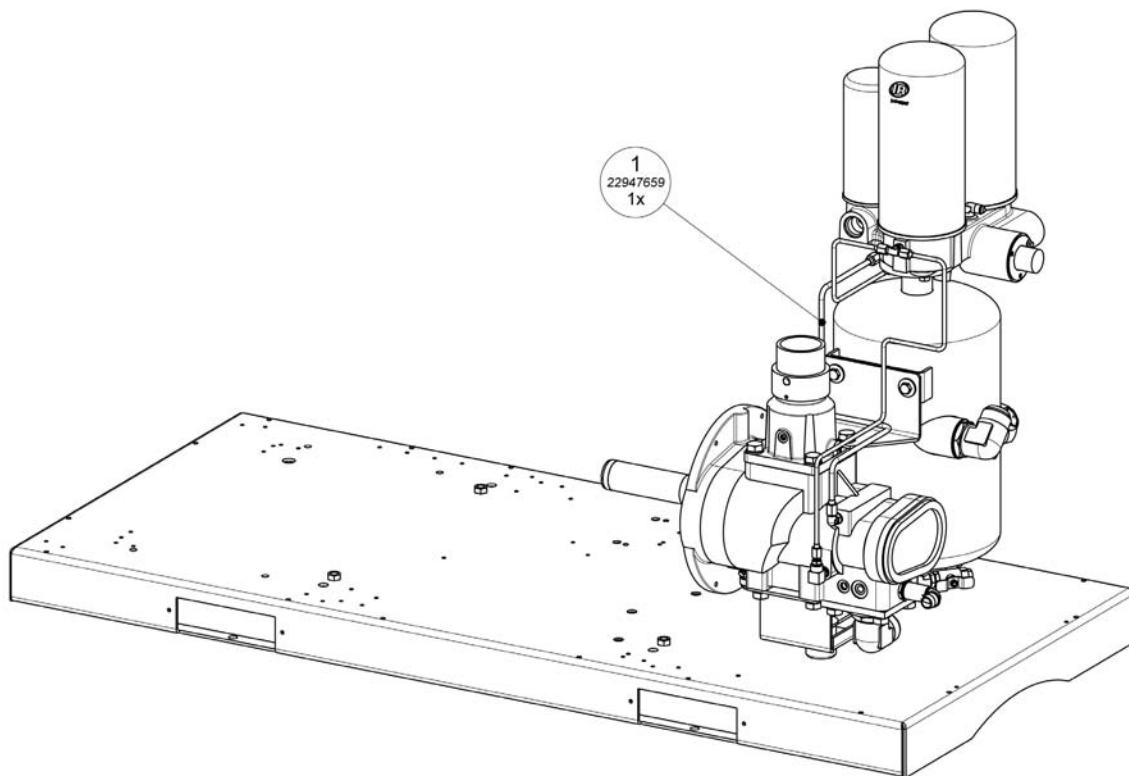
(Dwg. 22947741V15)

PARTS LIST

Item	Part No.	Description	Qty.
1	22947634	TUBE, SCAVENGE (30-40 hp/22-30 kW)	1
2	22947642	TUBE, SCAVENGE (30-40 hp/22-30 kW)	1
3	54472162	CONDUIT, 0.375 INCH HEAVY	6.5 FT.

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Bearing Coolant Feed Line.



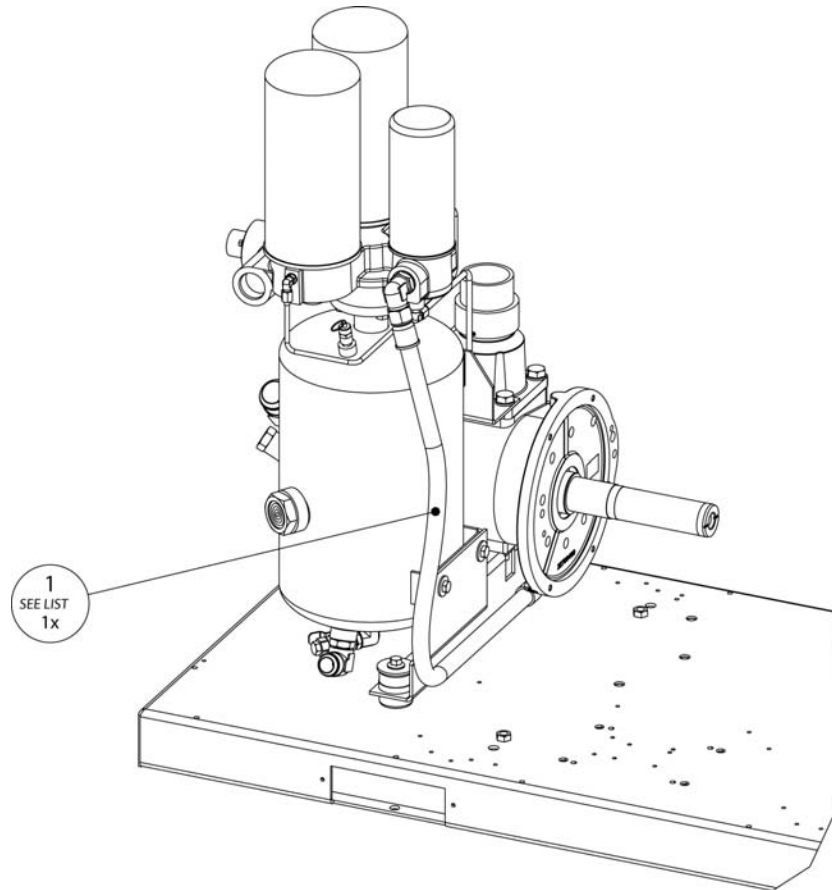
(Dwg. 22947741V16)

PARTS LIST

Item	Part No.	Description	Qty.
1	22947659	TUBE, REAR BEARING FEED (30-40 hp/22-30 kW)	1

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Main Bearing Coolant Feed Line.



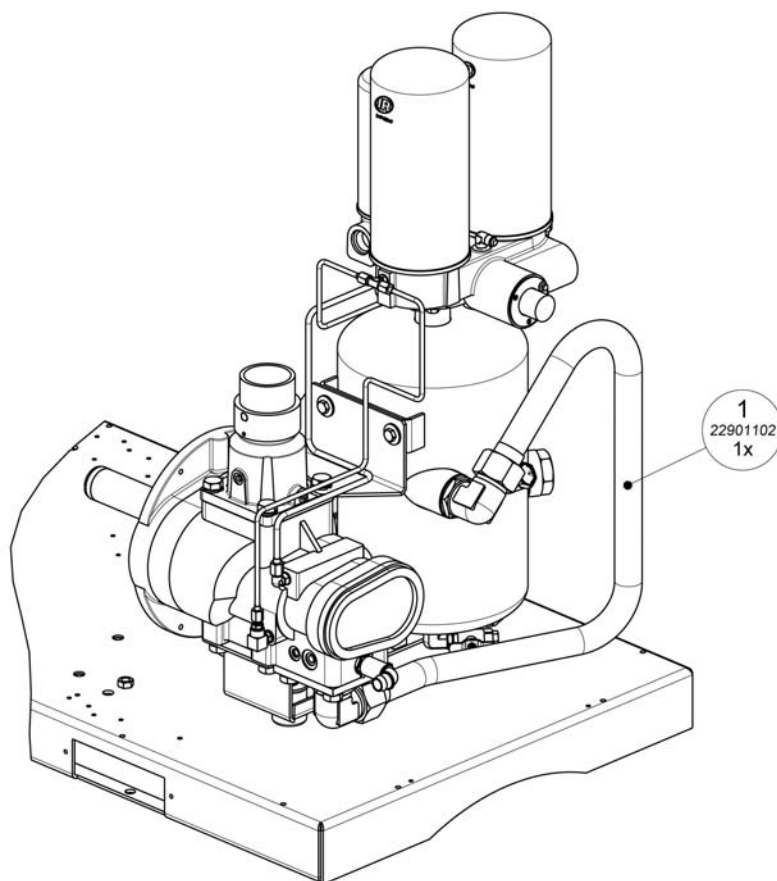
(Dwg. 22947741V17

PARTS LIST

Item	Part No.	Description	Qty.
1	48662381	HOSE, HYD, STR x 90-12 x 40 INCH, WITH RUBBER	1
	24279218	HOSE, HYD, STR x 90-12 x 40 INCH, WITH PTFE	1

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Discharge Tube.



(Dwg. 22947741V18)

PARTS LIST

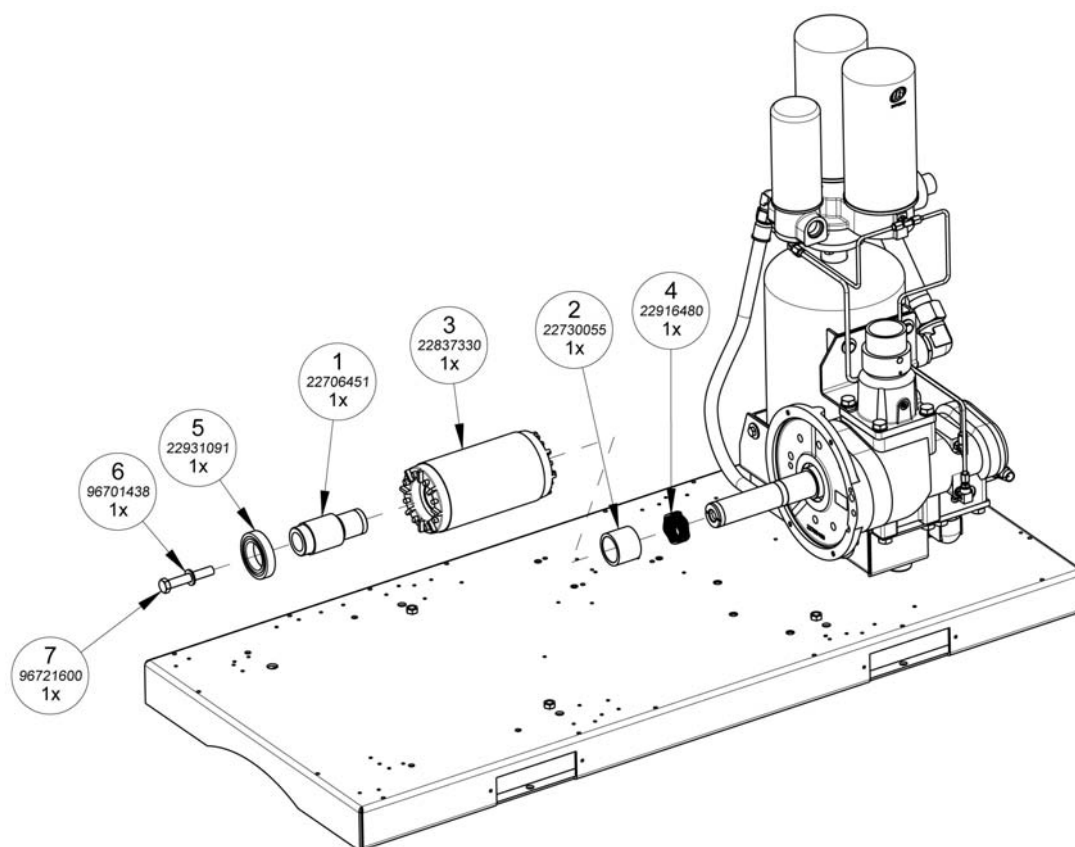
Item	Part No.	Description	Qty.
1	22901102	TUBE, AIREND DISCHARGE (30-40 hp/22-30 kW)	4

CAUTION:

ASSEMBLY OF THE DISCHARGE TUBE INCLUDES O-RING SEALS AT THE 37DEG. FLARED ENDS OF THE FITTINGS. PROPER ALIGNMENT AND LUBRICATION IS REQUIRED. THE O-RINGS ARE TO BE COATED WITH O-RING LUBRICANT PRIOR TO ASSEMBLY.

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Motor Rotor onto Airend Male Rotor Shaft.



(Dwg. 22947741V19)

PARTS LIST

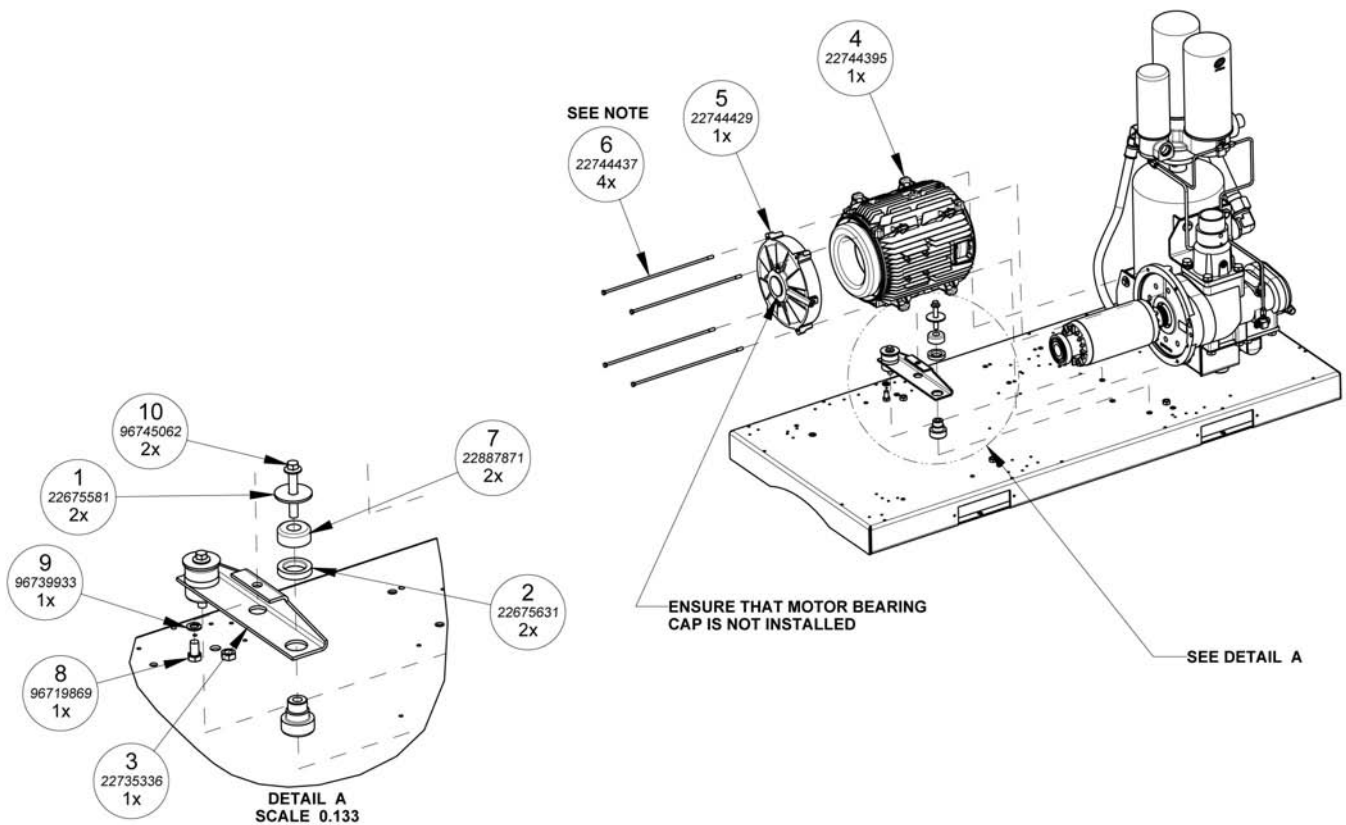
Item	Part No.	Description	Qty.
1	22706451	SHAFT, EXTENSION LS 40 hp MOTOR	1
2	22730055	SPACER, MOTOR/AIREND CF75	1
3	22837330	ROTOR, MOTOR (30-40 hp/22-30 kW)	1
4	22916480	SPRING, WAVE	1
5	22931091	BEARING, BALL NON-CONTACT SEALED	1
6	96701438	WASHER, M16	1
7	96721600	SCREW, HEX HEAD M16-2 x 100 LONG	1

NOTES:

1. FOR ITEM 96721600 APPLY LOCTITE #242 THEN TORQUE USING A 1/2 INCH OR 3/4 INCH IMPACT WRENCH UNTIL THE SHAFT EXTENSION BOTTOMS WITH THE ROTOR SHAFT. A MAX TORQUE OF 215N-M (158 FT-LBS) CAN BE APPLIED
2. APPLY LOCTITE 680 TO BEARING ID/SHAFT EXTENSION
3. AFTER ASSEMBLY THE MAXIMUM ALLOWABLE RUN OUT ON BEARING 22720197 IS TO BE 0.2mm [0.008 INCH]

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Stator onto Rotor.



(Dwg. 22947741V20)

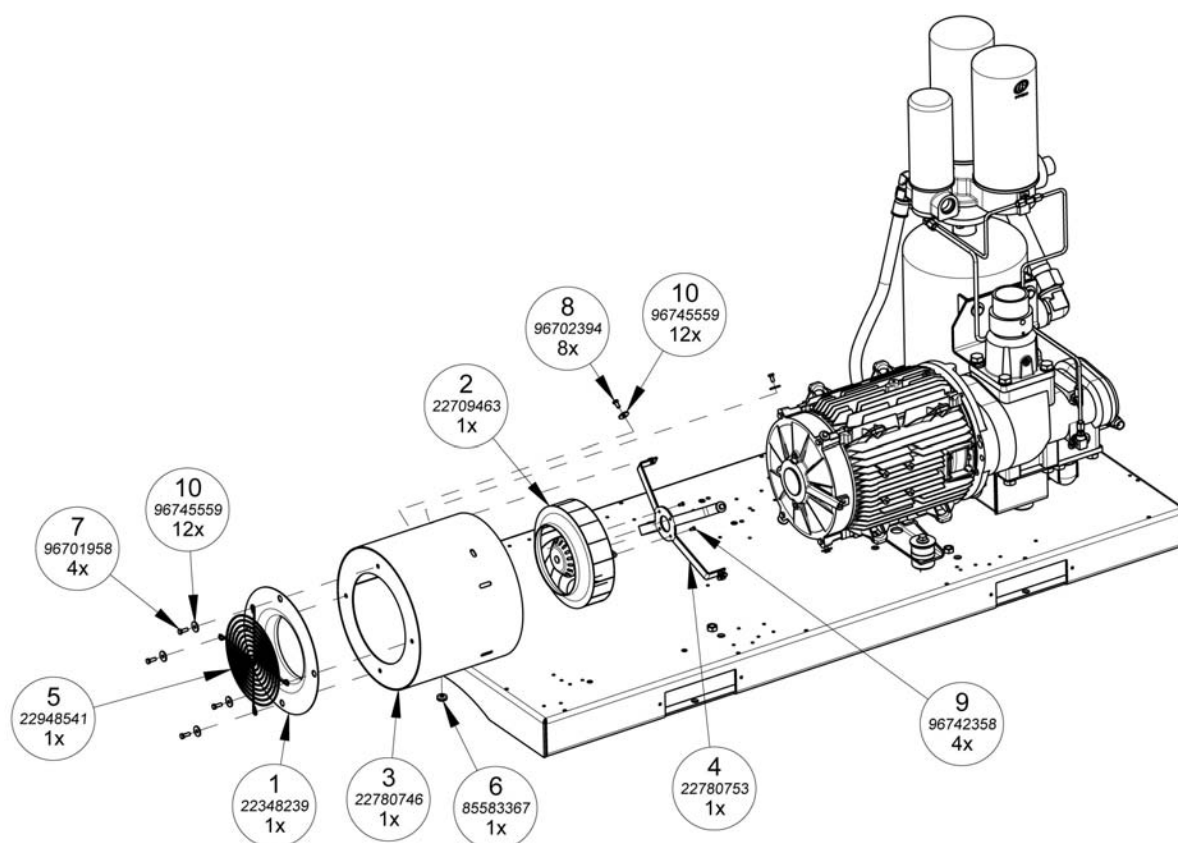
PARTS LIST

Item	Part No.	Description	Qty.
1	22675581	WASHER, ISOLATOR MOUNT	2
2	22675631	SPACER, ISOLATOR MOUNT	2
3	22735336	SUPPORT, DRIVE MOTOR (30-40 hp/22-30 kW)	1
4	22744395	STATOR, MOTOR (30-40 hp/22-30 kW)	1
5	22744429	COVER, MOTOR NDE FLANGE (30-40 hp/22-30 kW)	1
6	22744437	SCREW, MOTOR TIE ROD HEX HEAD M8 x 375 LONG	4
7	22887871	MOUNT, RUBBER ISOLATION	2
8	96719869	SCREW, HEX HEAD M12-1.75 x 20 LONG	1
9	96739933	WASHER, SPRING LOCK, M12	1
10	96745062	SCREW, HEX HEAD FLANGE M12 x 75 LONG	2

NOTE: TORQUE MOTOR TIE ROD SCREWS (22744437) TO 18 N-M (13 FT-LBS.) IN A CRISS-CROSS PATTERN IN TWO STEPS. IN THE FIRST STEP TORQUE ALL SCREWS TO 9 N-M (7 FT-LBS.), AND TORQUE TO FINAL VALUE OF 18 N-M (13 FT-LBS.) IN THE SECOND STEP.

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Fan, Fan Shroud and Guard to Motor Stator.



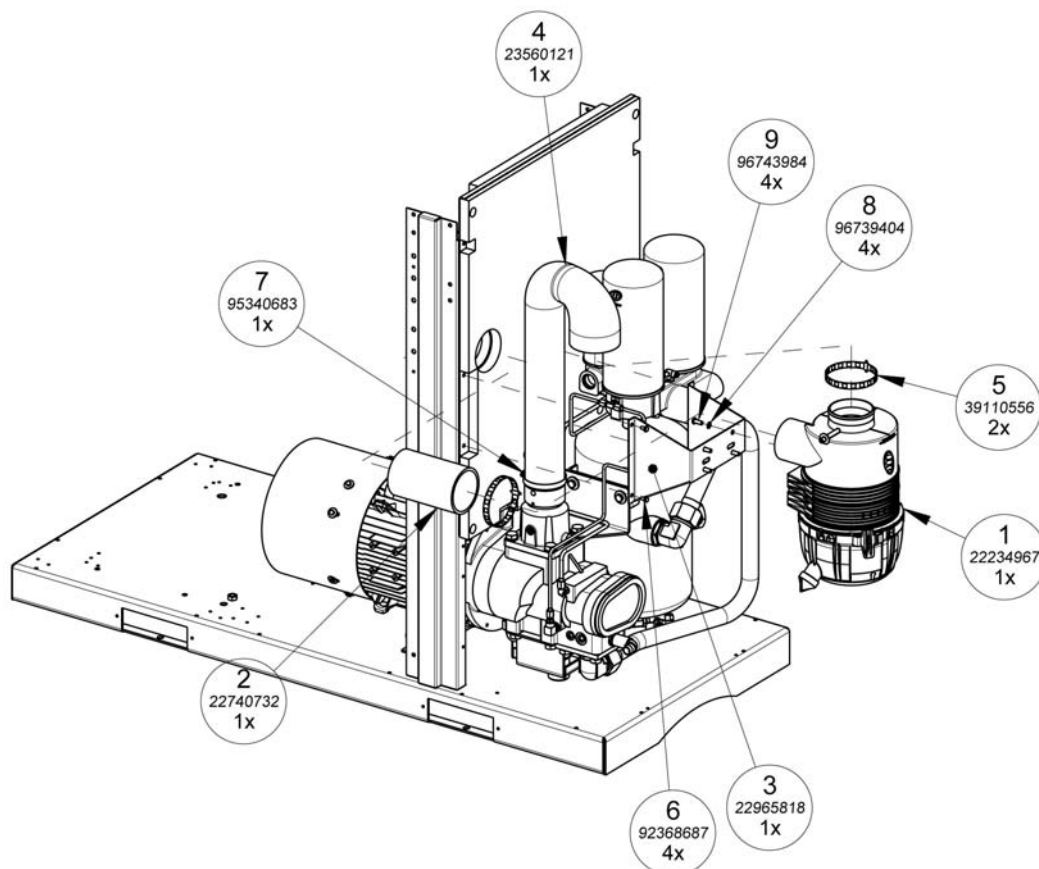
(Dwg. 22947741V21)

PARTS LIST

Item	Part No.	Description	Qty.
1	22348239	CONE, INLET	1
2	22709463	IMPELLER, MOTORIZED	1
3	22780746	SHROUD, FAN	1
4	22780753	MOUNT, FAN MOTOR	1
5	22948541	GUARD, MOTOR FAN SHROUD 30-40 hp / 22-30 kW	1
6	85583367	GROMMET, INSULATION 0.3125 INCH I.D.	1
7	96701958	SCREW, HEX HEAD M6-1.00 x 16 LONG	4
8	96702394	SCREW, HEX HEAD M6-1.00 x 12 LONG	8
9	96742358	SCREW, HEX HEAD M4-0.70 x 8 LONG	4
10	96745559	WASHER, LARGE OUTSIDE DIAMETER M6	12

AIREND/MOTOR (30-40 HP/22-30 KW) ASSEMBLY DRAWING AND PARTS LIST

Assemble Dust Filter, Mount Bracket and Filter Hoses.



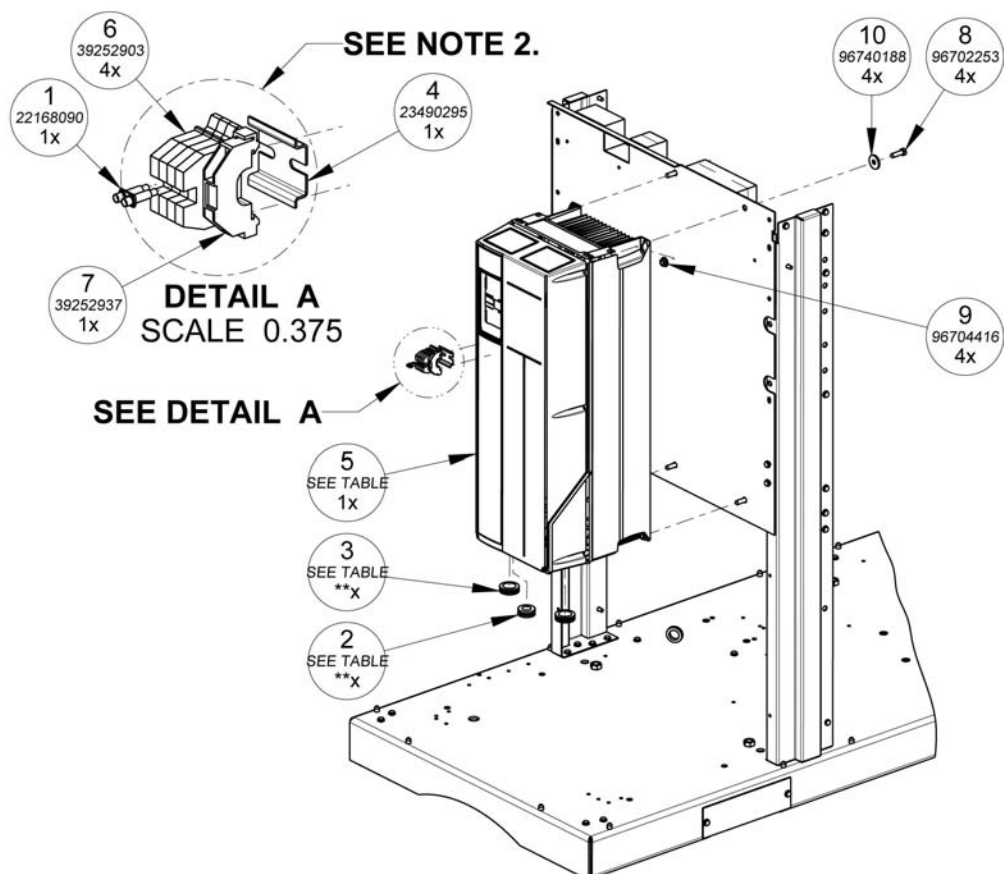
(Dwg. 22947741V22)

PARTS LIST

Item	Part No.	Description	Qty.
1	22234967	FILTER, AIR INLET (ELEMENT 22203095)	1
2	22740732	HOSE, AIR INLET	1
3	22965818	BRACKET, FILTER (30-40 hp/22-30 kW)	1
4	23560121	HOSE, 180 DEGREE RUBBER (4.00 INCH x 3.00 INCH REDUCER)	1
5	39110556	CLAMP, WORM SCREW 4.25 INCH - 6.00 INCH	2
6	92368687	TAPTITE SCREW M6-1 x 12 LONG	4
7	95340683	CLAMP, HOSE, WORM DRIVE, STAINLESS STEEL	1
8	96739404	WASHER, LOCK EXTERNAL TOOTH, M8	4
9	96743984	SCREW, HEX SOCKET BUTTON HEAD, M8 x 20 LONG	4

DRIVE/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Drive to Drive Mounting Wall



(Dwg. 22722078V2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22168090	JUMPER, 2-POLE	1
2	SEE TABLE	GROMMET, INSULATION	**
3	SEE TABLE	GROMMET, INSULATION	**
4	23490295	RAIL, DIN, 35 WIDE x 34 LONG	1
5	SEE TABLE	DRIVE, BASE	1
6	39252903	BLOCK, TERMINAL	4
7	39252937	STOP, DIN RAIL	1
8	96702253	SCREW, HEX HEAD M8-1.25 x 25 LONG	4
9	96704416	NUT, HEX FLANGE LOCK SERRATED M8-1.25	4
10	96740188	WASHER, LARGE OUTSIDE DIAMETER M8	4

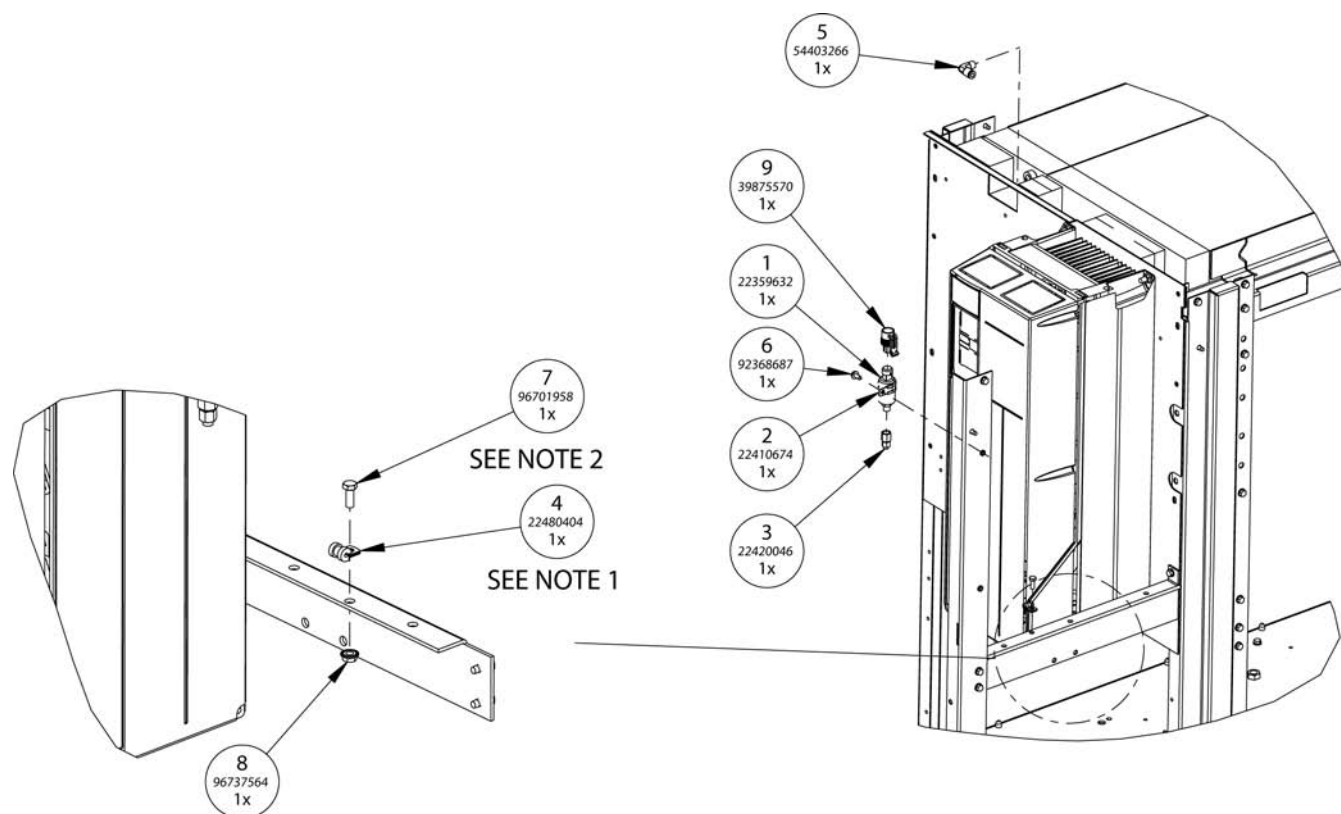
UNIT	DRIVE W/ EMC	DRIVE W/O EMC	GROMMET	QTY	GROMMET	QTY	GROMMET	QTY
20-25 hp/15-18.5 kW L.V	22772842	23837495	23264112	2	54741608	2	-	-
20-25 hp/15-18.5 kW H.V	22812671	23837529	23264146	2	23264120	1	-	-
30-40 hp/22-30 kW L.V	22772867	23837503	23264112	2	23264138	2	-	-
30-40 hp/22-30 kW H.V	22812689	23837511	23264112	2	23264138	1	54741608	1

NOTE: 1. ** SEE TABLE FOR CORRECT GROMMET QTY.

2. TO BE MOUNTED INSIDE DRIVE UNIT ON SUPPLIED DIN RAIL USING SCREWS SUPPLIED, IN DRYER ACCESSORY BAG, USING EXISTING HOLES.

DRIVE/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Transducer and Line Fittings



(Dwg. 22722078V3)

PARTS LIST

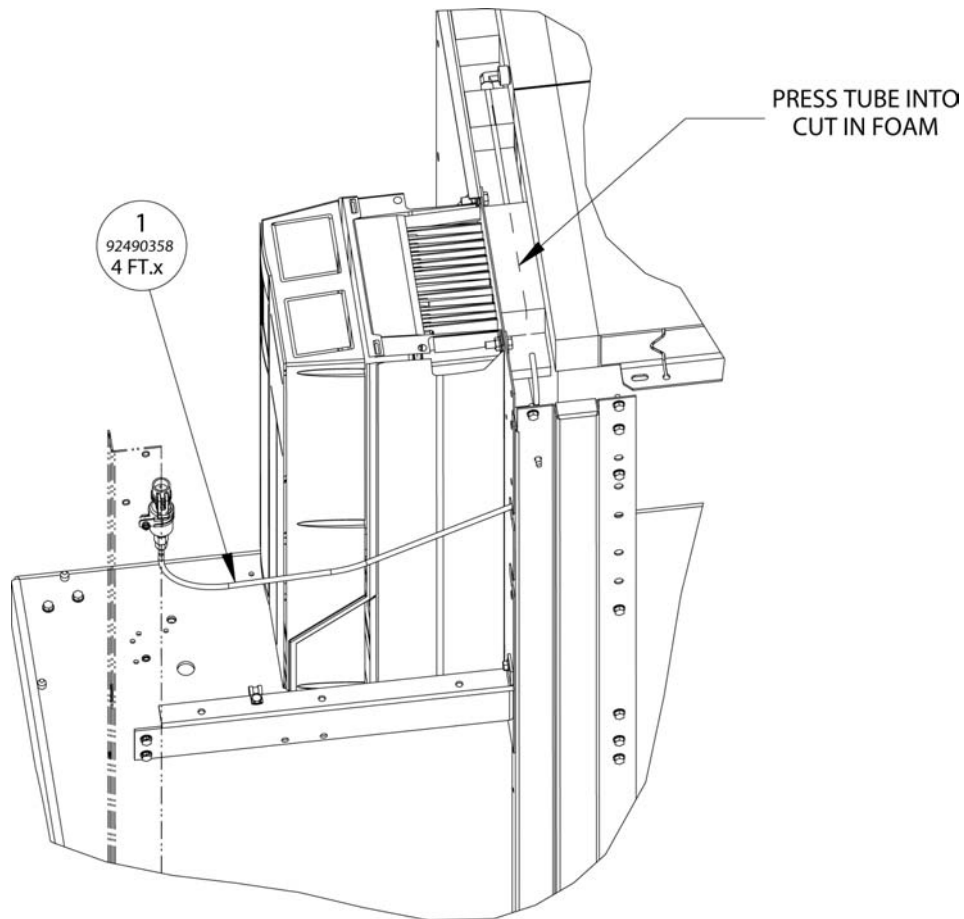
Item	Part No.	Description	Qty.
1	22359632	TRANSDUCER, PRESSURE 16 BAR, 4-20 mA	1
2	22410674	CLAMP, INSULATED (FOR 1 INCH O.D)	1
3	22420046	CONNECTOR, METRU-LOK 6 mm TUBE x 0.13 FNPT	1
4	22480404	CLAMP, 0.25 INCH TUBE INSULATED	1
5	54403266	ELBOW, 0.25 BSPT x 6 mm TUBE	1
6	92368687	TAPTITE SCREW M6-1 x 12 LONG	1
7	96701958	SCREW, HEX HEAD M6-1 x 16 LONG	1
8	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1	1
9	39875570	CABLE, TRANSDUCER	1

NOTE:

1. TO CLAMP 22698021 USER INTERFACE CABLE AT THE USB CONNECTOR
2. FOR UNITS WITH A DRYER REPLACE 96701958 AND 96737564 WITH 92368687

DRIVE/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Pressure Transducer Line



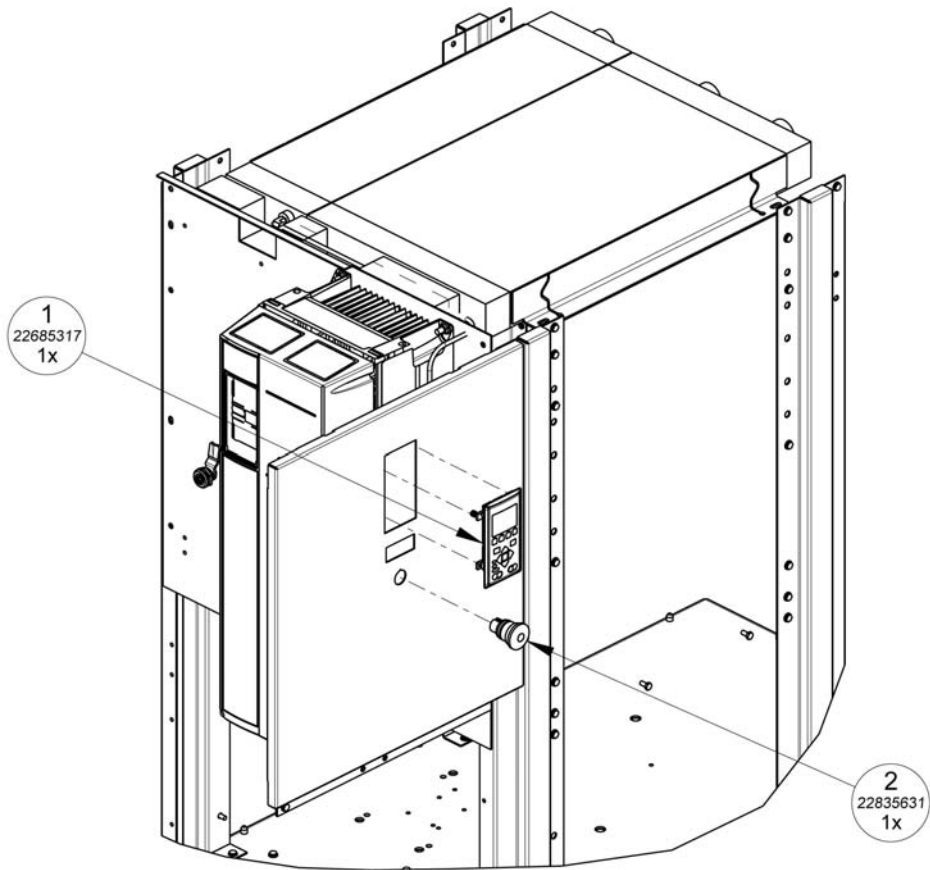
(Dwg. 22722078V4)

PARTS LIST

Item	Part No.	Description	Qty.
1	92490358	TUBE, NYLON 6 mm O.D. (BLUE)	4 ft.

DRIVE/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Drive Controller and Emergency Stop Button to Control Panel



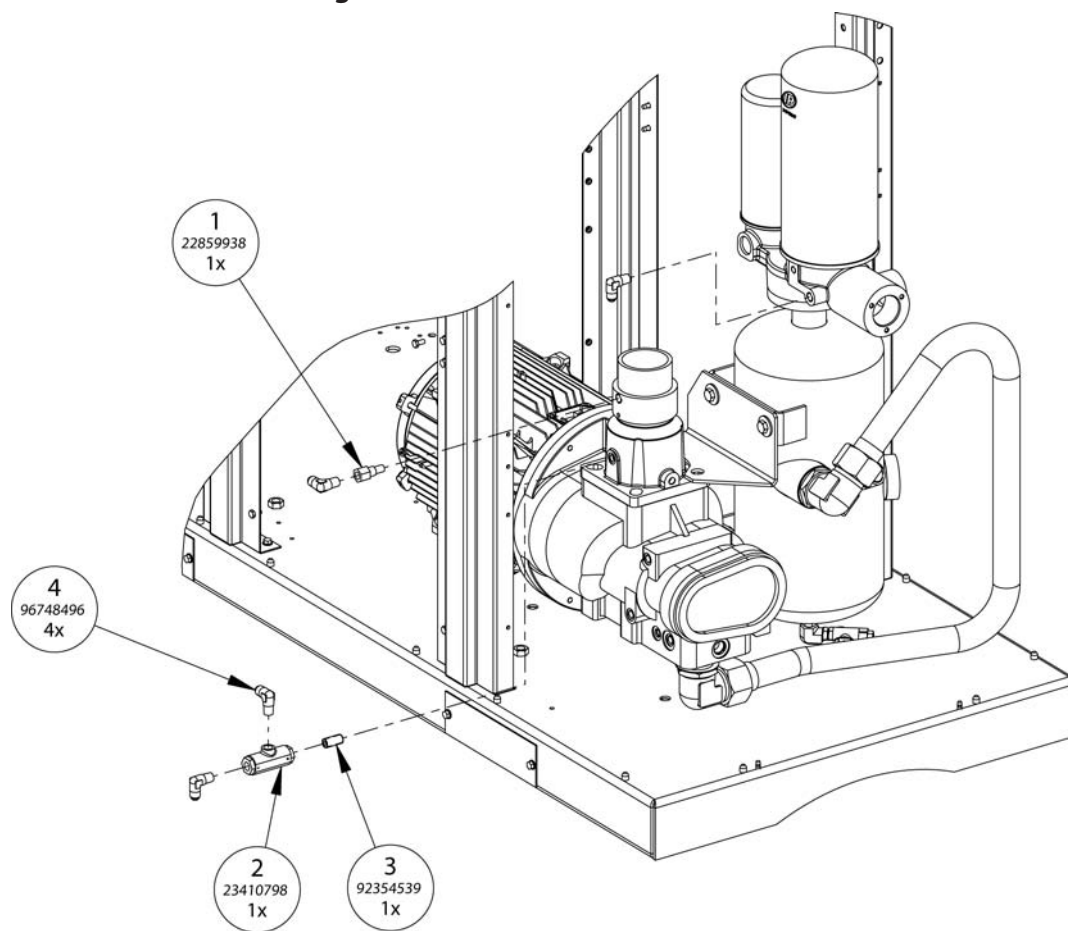
(Dwg. 22722078V5)

PARTS LIST

Item	Part No.	Description	Qty.
1	22685317	CONTROLLER, DRIVE	1
2	22835631	ASSEMBLY, EMERGENCY STOP PUSH BUTTON	1

DRIVE/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blow Down Valve and Fittings



(Dwg. 22722078V6)

PARTS LIST

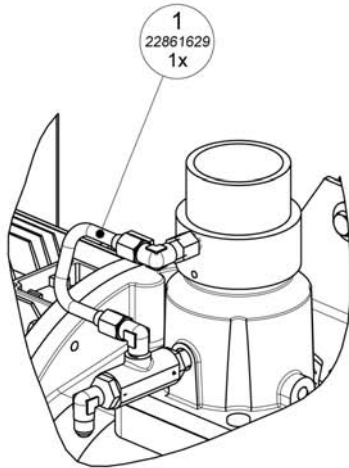
Item	Part No.	Description	Qty.
1	22859938	CONNECTOR, DIVERTER	1
2	23410798	VALVE, BLOW DOWN 1/4 BSPT	1
3	92354539	NIPPLE, CLOSE 0.25 BSPT x 1.06 INCH LONG	1
4	96748496	ELBOW, 90 DEG. 0.38 INCH TUBE 0.25 BSPT	4

NOTE

1. THE DISCHARGE HOLE OF THE DIVERTER MUST IN THE 3 TO 5 O'CLOCK POSITION AFTER ASSEMBLY.
2. ORENTATION OF BLOWDOWN VALVE TO BE AS FOLLOWS:
THE END MARKED "P" IS TO POINT TOWARD THE INLET VALVE; AND THE PORT INTERSECTING THE BLOWDOWN VALVE BODY IS TO BE POINTED STRAIGHT UP.

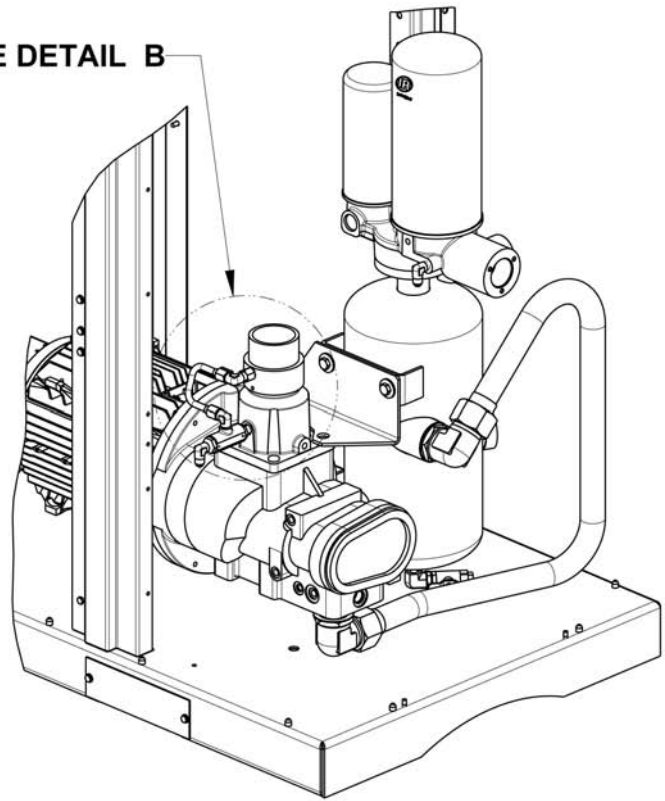
DRIVE/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blow Down Line



DETAIL B
SCALE 0.250

SEE DETAIL B



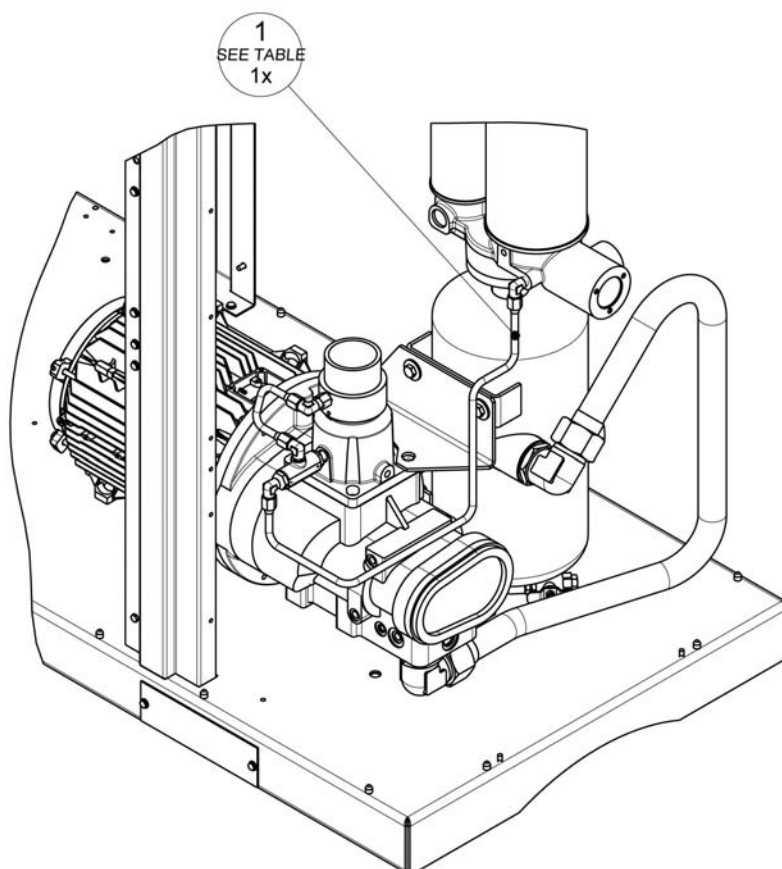
(Dwg. 22722078V7)

PARTS LIST

Item	Part No.	Description	Qty.
1	22861629	TUBE, BLOWDOWN VALVE/INLET	1

DRIVE/CONTROLS ASSEMBLY DRAWING AND PARTS LIST

Assemble Blow Down Line



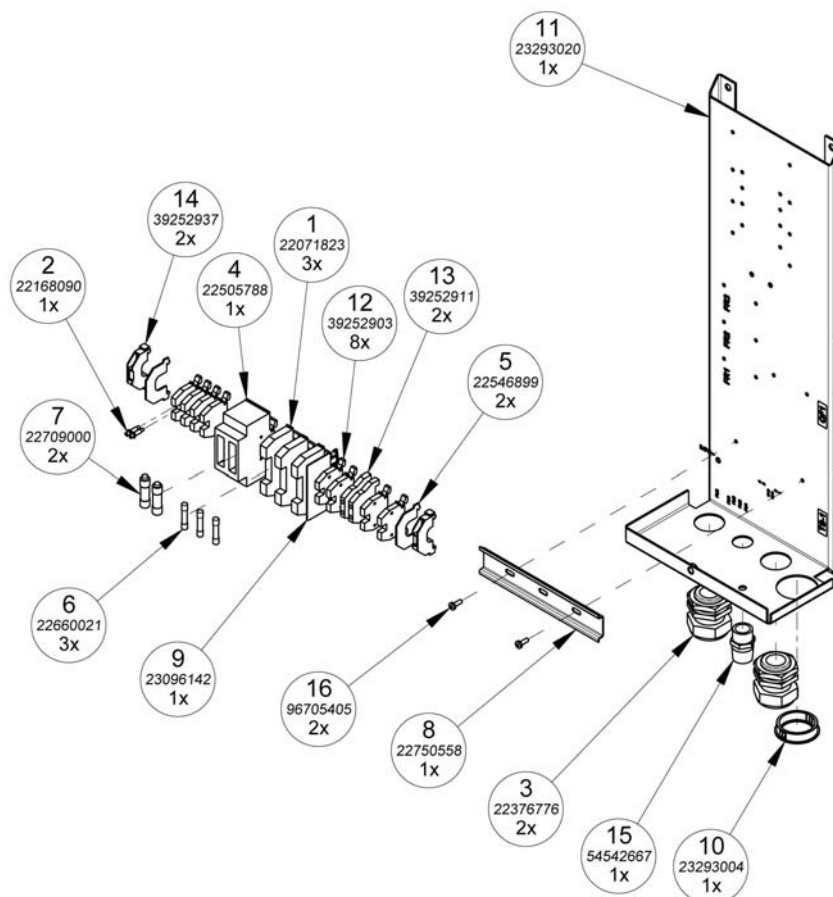
(Dwg. 22722078V8)

PARTS LIST

Item	Part No.	Description	Qty.
1	22855548	TUBE, BLOWDOWN VALVE/MANIFOLD, 20-25 hp/15-18.5 kW	1
	22970578	TUBE, BLOWDOWN VALVE/MANIFOLD, 30-40 hp/22-30 kW	1

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Terminal Blocks and Terminal Fuse Block.



(Dwg. 22730816N2)

PARTS LIST

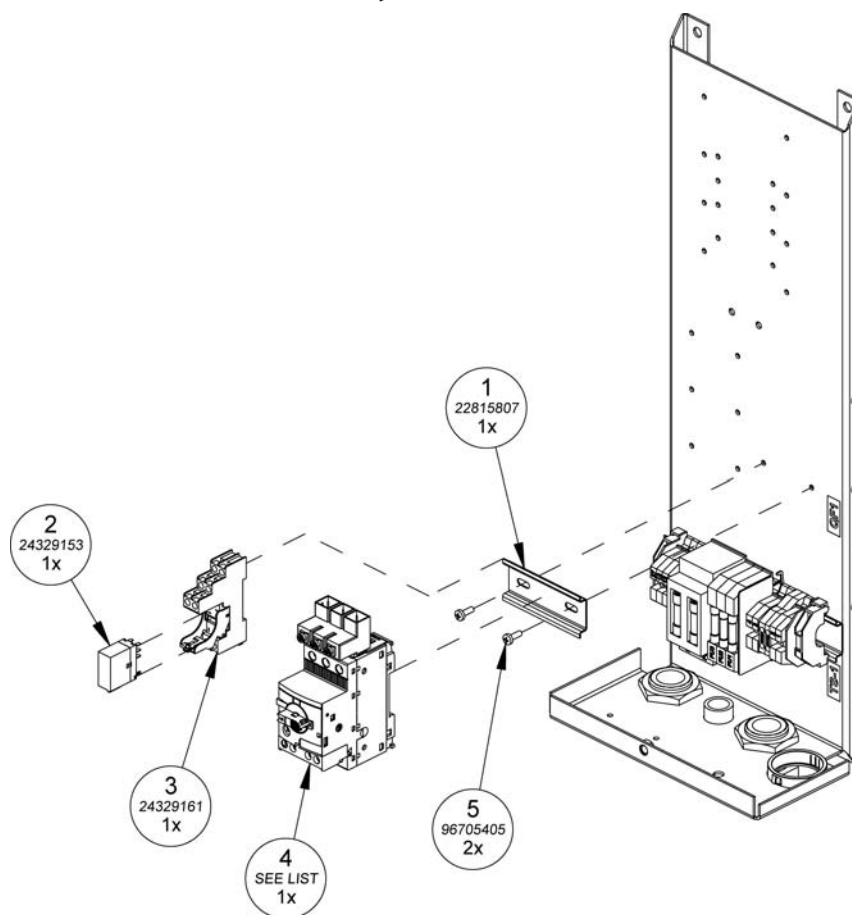
Item	Part No.	Description	Qty.
1	22071823	BLOCK, TERMINAL FUSE	3
2	22168090	JUMPER, 2-POLE	1
3	22376776	GLAND, CABLE M32 x 1.5	2
4	22505788	HOLDER, 2-POLE FUSE (FINGER SAFE)	1
5	22546899	STOP, END BARRIER (DIN RAIL MOUNTED)	2
6	22660021	FUSE, 100 mA TIME DELAY	3
7	22709000	FUSE, 15 A TIME DELAY, CLASS CC	2
8	22750558	RAIL, DIN 179 mm (7 INCH) LONG	1
9	23096142	BARRIER, END	1
10	23293004	BUSHING, SNAP	1
11	23293020	PANEL, ELECTRICAL (20-40 hp/15-30 kW)	1
12	39252903	BLOCK, TERMINAL	8
13	39252911	BLOCK, TERMINAL GROUND	2
14	39252937	STOP, DIN RAIL	2
15	54542667	CONNECTOR, 0.50 INCH NPT x 0.375 INCH CONDUIT (BLACK NYLON)	1
16	96705405	SCREW, M4 x 16 PHILLIPS PAN HEAD	2

NOTES:

1. ILLUSTRATED PARTS ARE FOR STARTER PANEL 22957302 - L.V TAS (W/TRANS) 20-25 hp/15-18.5 kW APPLICATION.
2. FOR OTHER APPLICATIONS, GO TO PAGE 125 FOR FOR OTHER SPECIFIC APPLICATIONS REFERENCE DRAWINGS.

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Manual Motor Starter, Socket, and Relay.



(Dwg. 22730816N3)

PARTS LIST

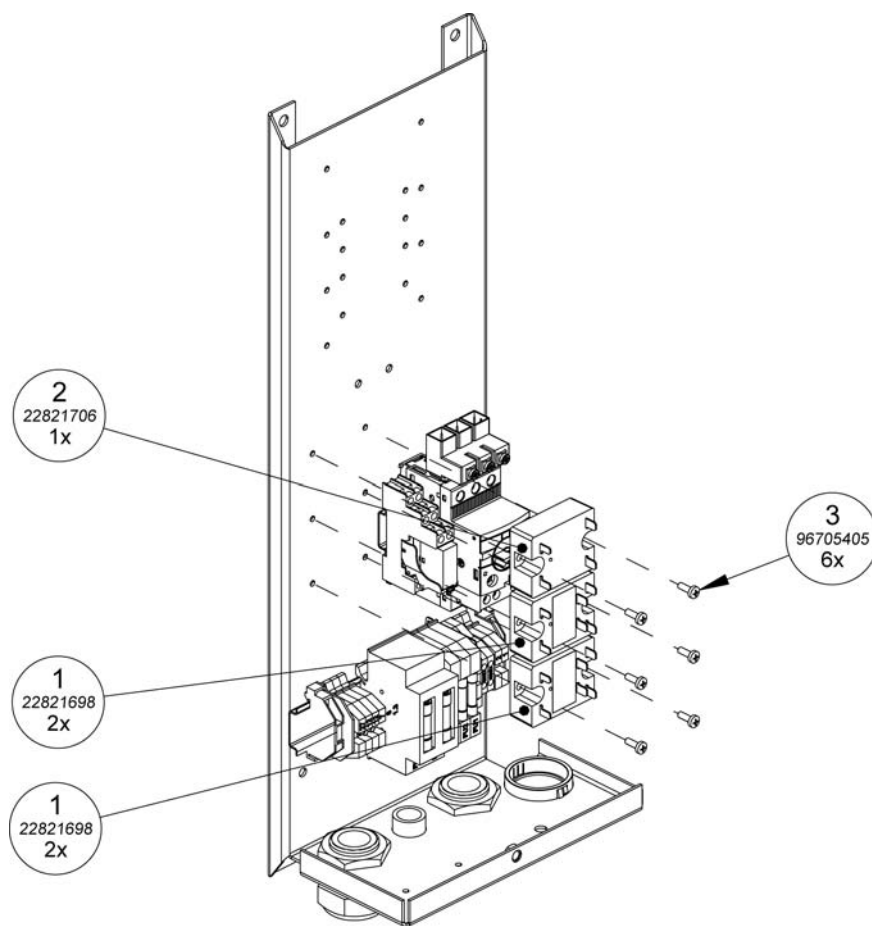
Item	Part No.	Description	Qty.
1	22815807	RAIL, DIN 80 mm (3 INCH) LONG	1
2	24329153	RELAY, 24VDC	1
3	24329161	SOCKET, RELAY FINGER SAFE 2 POLE, DOUBLE THROW	1
4	24491680	STARTER, MANUAL MOTOR W/AUX CONTACTS 2.5AMP - 508E	1
	24491706	STARTER, MANUAL MOTOR W/AUX CONTACTS 4AMP - 508E	1
	24491722	STARTER, MANUAL MOTOR W/AUX CONTACTS 6.3AMP - 508E	1
5	96705405	SCREW, M4 x 16 PHILLIPS PAN HEAD	1

NOTES:

1. ILLUSTRATED PARTS ARE FOR STARTER PANEL 22957302 - L.V TAS (W/TRANS) 20-25 HP/15-18.5 KW APPLICATION.
2. FOR OTHER APPLICATIONS, GO TO PAGE 125 FOR FOR OTHER SPECIFIC APPLICATIONS REFERENCE DRAWINGS

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Solid State Relays.



(Dwg. 22730816N4)

PARTS LIST

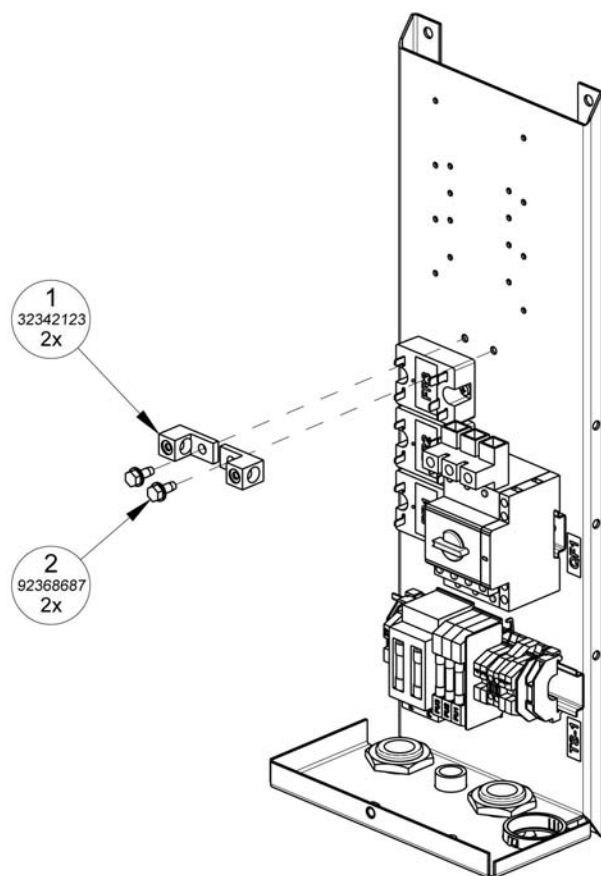
Item	Part No.	Description	Qty.
1	22821698	RELAY, SOLID STATE 40 AMP	2
2	22821706	RELAY, SOLID STATE 40 AMP	1
3	96705405	SCREW, M4 x 16 PHILLIPS PAN HEAD	6

NOTES:

1. ILLUSTRATED PARTS ARE FOR STARTER PANEL 22957302 - L.V TAS (W/TRANS) 20-25 HP/15-18.5 KW APPLICATION.
2. FOR OTHER APPLICATIONS, GO TO PAGE 125 FOR FOR OTHER SPECIFIC APPLICATIONS REFERENCE DRAWINGS.

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Power Grounding Lug



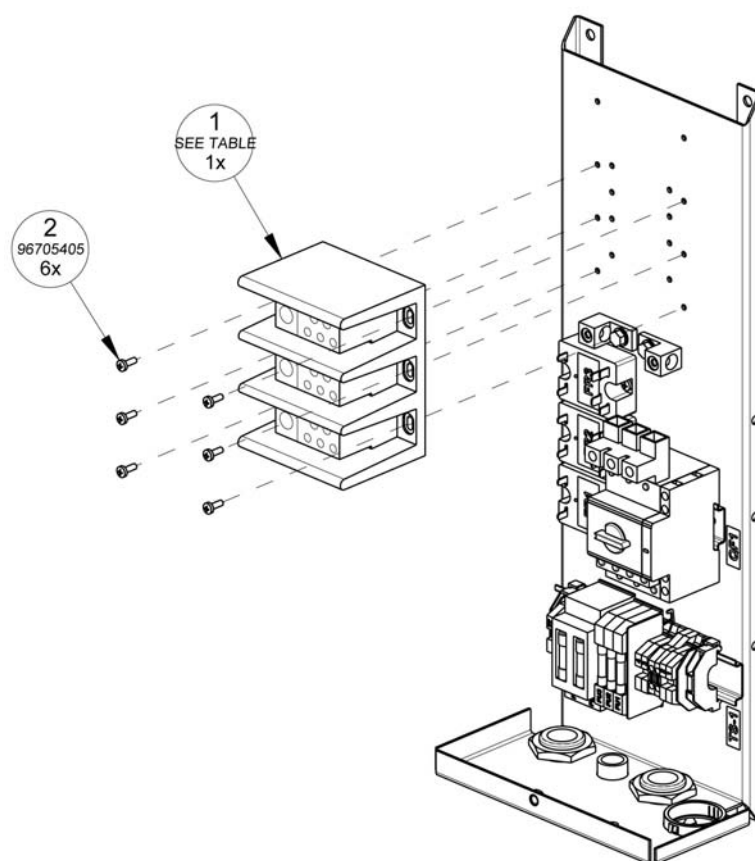
(Dwg. 22730816N5)

PARTS LIST

Item	Part No.	Description	Qty.
1	32342123	LUG, GROUNDING	2
2	92368687	SCREW, TAPTITE M6-1 x 14 LONG	2

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Aluminum Grounding Bus and Power Block.



(Dwg. 22730816N6)

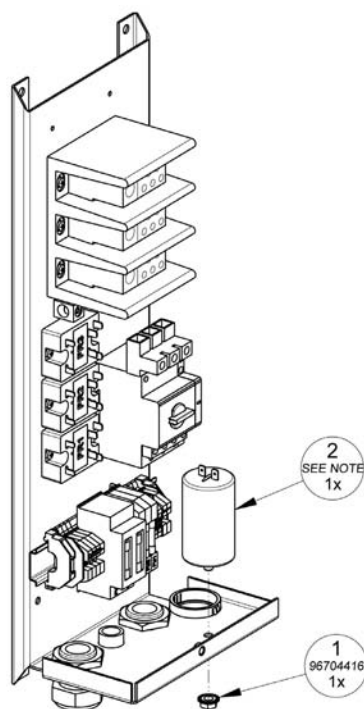
PARTS LIST

Item	Part No.	Description	Qty.
1	SEE TABLE	BLOCK, POWER	1
2	96705405	SCREW, M4 x 16 PHILLIPS PAN HEAD	6

GROUP	POWER BLOCK	ADDITIONAL BLOCK
ALL LOW VOLTAGE	22752182	-
H.V. TAS (W/TRANS) 20-25 hp/15-18.5 kW	22288237	-
H.V. TAS (W/TRANS) 30-40 hp/22-30 kW	22752182	-
H.V. TAS (WO/TRANS) 20-25 hp/15-18.5 kW	22288237	-
H.V. TAS (WO/TRANS) 30-40 hp/22-30 kW	22752182	22779383
H.V. NON-TAS (W/TRANS) 20-25 hp/15-18.5 kW	22288237	-
H.V. NON-TAS (W/TRANS) 30-40 hp/22-30 kW	22752182	-
H.V. NON-TAS (WO/TRANS) 20-25 hp/15-18.5 kW	22288237	-
H.V. NON-TAS (WO/TRANS) 30-40 hp/22-30 kW	22752182	22779383

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Capacitor to Electric Panel 30-40hp/22-30 kW (only)



(Dwg. 22730816N7)

PARTS LIST

Item	Part No.	Description	Qty.
1	96704416	NUT, HEX FLANGE LOCK SERRATED M8-1.25	1
2	SEE NOTE	SEE NOTE	1
-	SEE TABLE	ELECTRICAL PANEL	1

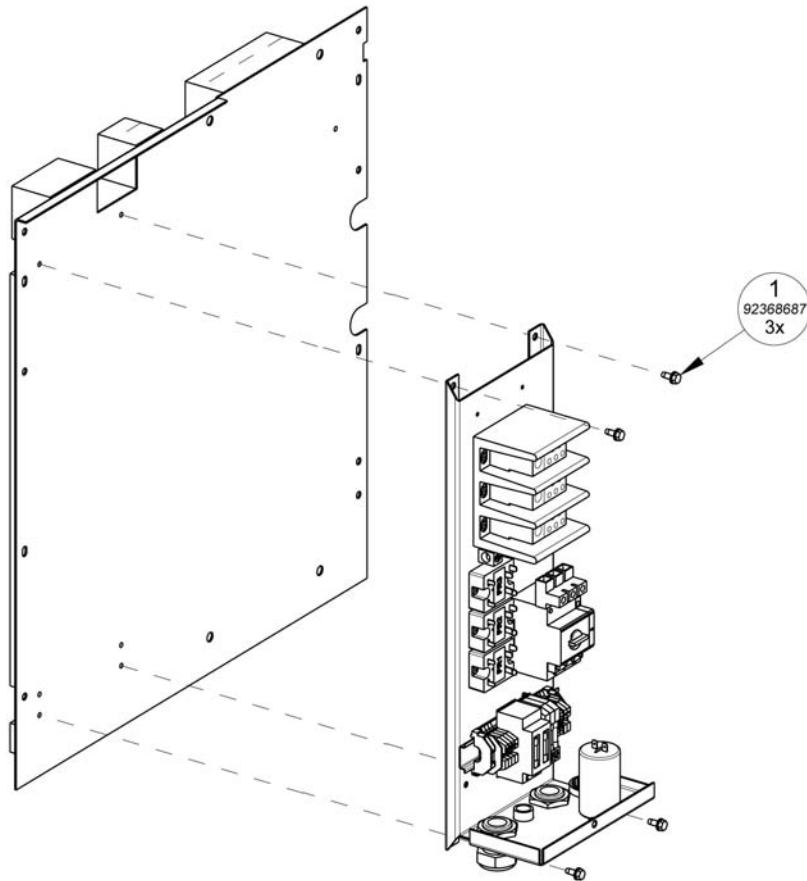
ALTERNATE PARTS LIST

Item	Part No.	Description
1	22957302	ELEC. PANEL L.V. TAS (W/TRANS.) 20-25 hp/15-18.5 kW
	22957310	ELEC. PANEL L.V. TAS (W/TRANS.) 30-40 hp/22-30 kW
	22957328	ELEC. PANEL L.V. TAS (W/O TRANS.) 20-25 hp/15-18.5 kW
	22957336	ELEC. PANEL L.V. TAS (W/O TRANS.) 30-40 hp/22-30 kW
	22957344	ELEC. PANEL L.V. NON-TAS (W/TRANS.) 20-25 hp/15-18.5 kW
	22957369	ELEC. PANEL L.V. NON-TAS (W/TRANS.) 30-40 hp/22-30 kW
	22957377	ELEC. PANEL L.V. NON-TAS (W/O TRANS.) 20-25 hp/15-18.5 kW
	22957385	ELEC. PANEL L.V. NON-TAS (W/O TRANS.) 30-40 hp/22-30 kW
	22957393	ELEC. PANEL H.V. TAS (W/TRANS.) 20-25 hp/15-18.5 kW
	22957401	ELEC. PANEL H.V. TAS (W/TRANS.) 30-40 hp/22-30 kW
	22957419	ELEC. PANEL H.V. TAS (W/O TRANS.) 20-25 hp/15-18.5 kW
	22957427	ELEC. PANEL H.V. TAS (W/O TRANS.) 30-40 hp/22-30 kW
	22957435	ELEC. PANEL H.V. NON-TAS (W/TRANS.) 20-25 hp/15-18.5 kW
	22957443	ELEC. PANEL H.V. NON-TAS (W/TRANS.) 30-40 hp/22-30 kW
	22957468	ELEC. PANEL H.V. NON-TAS (W/O TRANS.) 20-25 hp/15-18.5 kW
	22957476	ELEC. PANEL H.V. NON-TAS (W/O TRANS.) 30-40 hp/22-30 kW

NOTE: CAPACITOR IS SUPPLIED WITH IMPELLER ASSEMBLY 22709463 (30-40 hp/ 22-30 kW only).

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Electrical Panel to Drive Panel



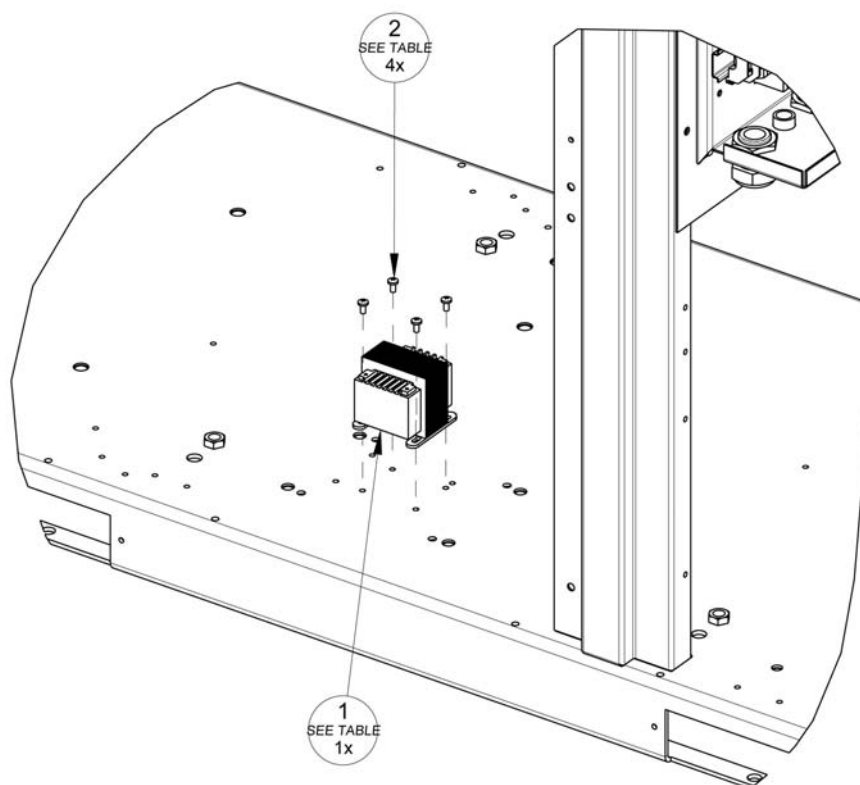
(Dwg. 22730816N8)

PARTS LIST

Item	Part No.	Description	Qty.
1	92368687	SCREW, TAPTITE M6-1 x 14 LONG	4

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Transformer to Base.



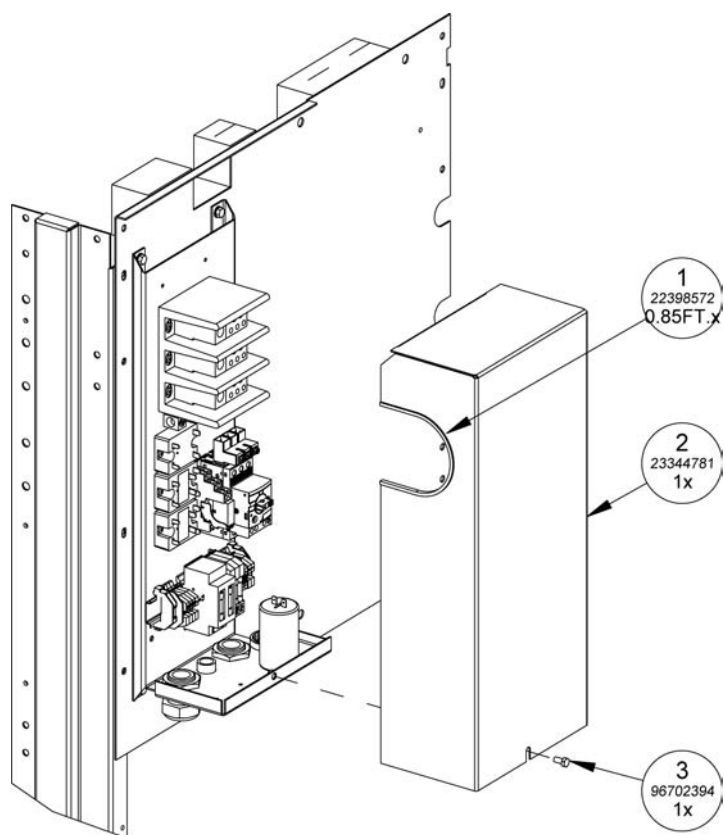
(Dwg. 22730816N9)

PARTS LIST

Item	Part No.	Description	Qty.
1	22957864	TRANSFORMER, L.V. TAS (W/TRANS) 20-25 hp/15-18.5 kW	1
	22650279	TRANSFORMER, L.V. TAS (W/TRANS) 30-40 hp/22-30 kW	1
	22957864	TRANSFORMER, L.V. NON-TAS (W/TRANS) 20-25 hp/15-18.5 kW	1
	22950612	TRANSFORMER, L.V. NON-TAS (W/TRANS) 30-40 hp/22-30 kW	1
	22650279	TRANSFORMER, H.V. TAS (W/TRANS) 20-25 hp/15-18.5 kW	1
	22650279	TRANSFORMER, H.V. TAS (W/TRANS) 30-40 hp/22-30 kW	1
	22964043	TRANSFORMER, H.V. NON-TAS (W/TRANS) 20-25 hp/15-18.5 kW	1
	22964035	TRANSFORMER, H.V. NON-TAS (W/TRANS) 30-40 hp/22-30 kW	1
2	96738828	SCREW, L.V. TAS (W/TRANS) 20-25 hp/15-18.5 kW	4
	96701479	SCREW, L.V. TAS (W/TRANS) 30-40 hp/22-30 kW	4
	96738828	SCREW, L.V. NON-TAS (W/TRANS) 20-25 hp/15-18.5 kW	4
	96738828	SCREW, L.V. NON-TAS (W/TRANS) 30-40 hp/22-30 kW	4
	96701479	SCREW, H.V. TAS (W/TRANS) 20-25 hp/15-18.5 kW	4
	96701479	SCREW, H.V. TAS (W/TRANS) 30-40 hp/22-30kW	4
	96738828	SCREW, H.V. NON-TAS (W/TRANS) 20-25 hp/15-18.5 kW	4
	96738828	SCREW, H.V. NON-TAS (W/TRANS) 30-40 hp/22-30 kW	4

ELECTRICAL PANEL ASSEMBLY DRAWING AND PARTS LIST

Assemble Electrical Panel Box.



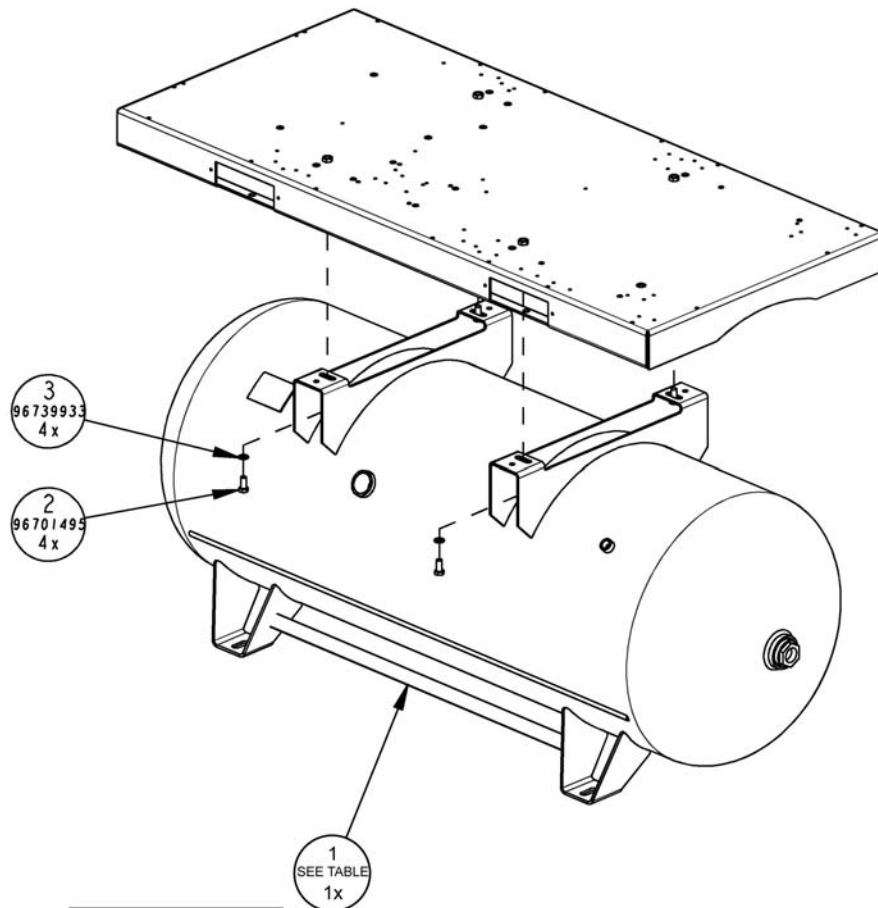
(Dwg. 22730816N10)

PARTS LIST

Item	Part No.	Description	Qty.
1	22398572	GROMMET, CONTINUOUS (0.9-1.8 mm PANEL THICKNESS)	0.85 ft.
2	23344781	COVER, ELECTRICAL PANEL (20-40 hp/15-30 kW)	1
3	96702394	SCREW, HEX HEAD M6-1 x 12 LONG	1

RECEIVER MOUNTING ASSEMBLY DRAWING AND PARTS LIST

Assemble Base to Receiver Tank



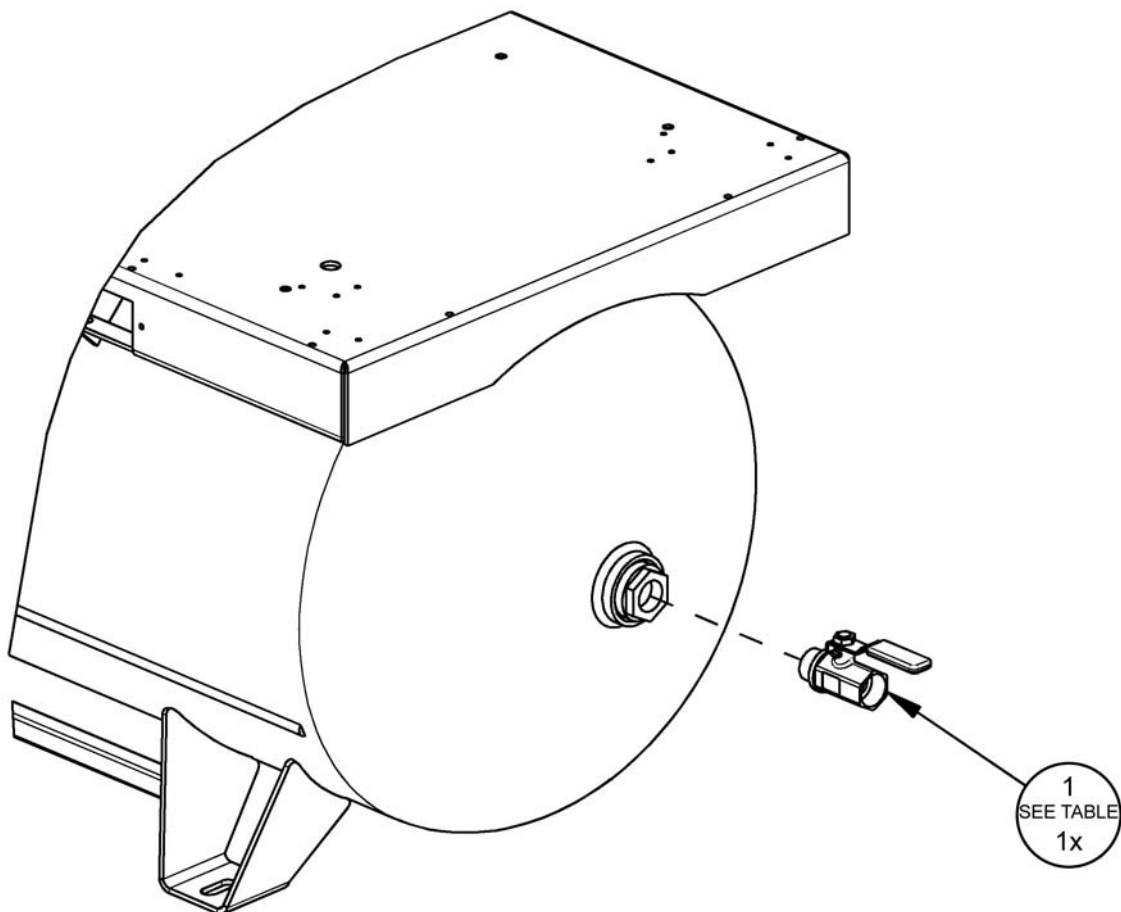
(Dwg. 22738611E2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22734404	ASSEMBLY RECEIVER 120 GAL.	1
	22731020	ASSEMBLY, RECIEVER 750 LITRE	1
	22730990	ASSEMBLY, RECEIVER 240 GAL.	1
	22731004	ASSEMBLY, RECEIVER 500 LITRE	1
2	96701495	SCREW HEX HEAD M12-1.75 x 25 LONG	4
3	96739933	WASHER, SPRING LOCK, M12	4

RECEIVER MOUNTING ASSEMBLY DRAWING AND PARTS LIST

Assemble Ball Valve to Receiver



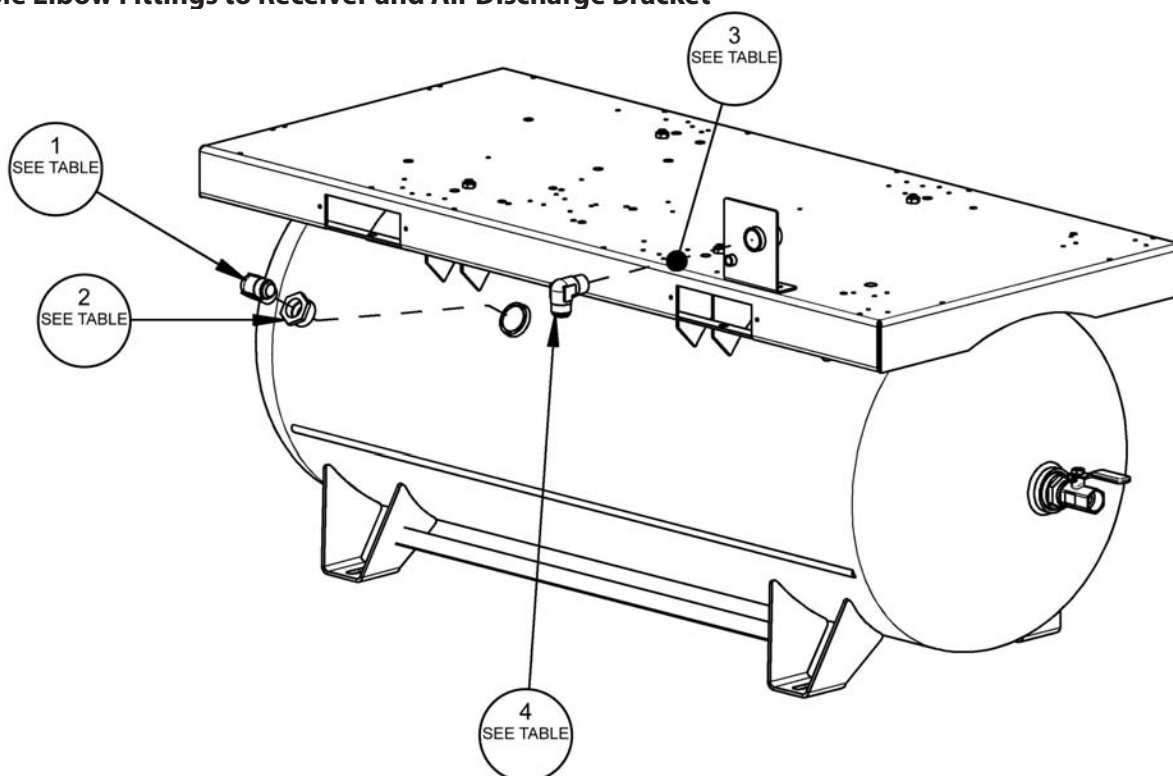
(Dwg. 22738611E3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22055438	VALVE, BALL 1.00 NPT x 1.00 FNPT	1
	22061386	VALVE, BALL 1.00 BSPT x 1.00 BSPT	1

RECEIVER MOUNTING ASSEMBLY DRAWING AND PARTS LIST

Assemble Elbow Fittings to Receiver and Air Discharge Bracket



FOR 22-30 kW 500/750 LITRE MODELS ONLY
UNLESS OTHERWISE SPECIFIED IN ALTERNATE PARTS TABLES

(Dwg. 22738611E4)

PARTS LIST

Item	Part No.	Description	Qty.
1	95937645	ELBOW, 1.00 INCH TUBE x 1.00 NPT	2
2	95941043	BUSHING REDUCER	1

ALTERNATE PARTS LIST FOR 15-18.5 kW 500/750 LITRE

Item	Part No.	Description	Qty.
1	92895184	REDUCER BUSHING 1.5 BSPT	1

ALTERNATE PARTS LIST FOR 22-30 kW 500/750 LITRE

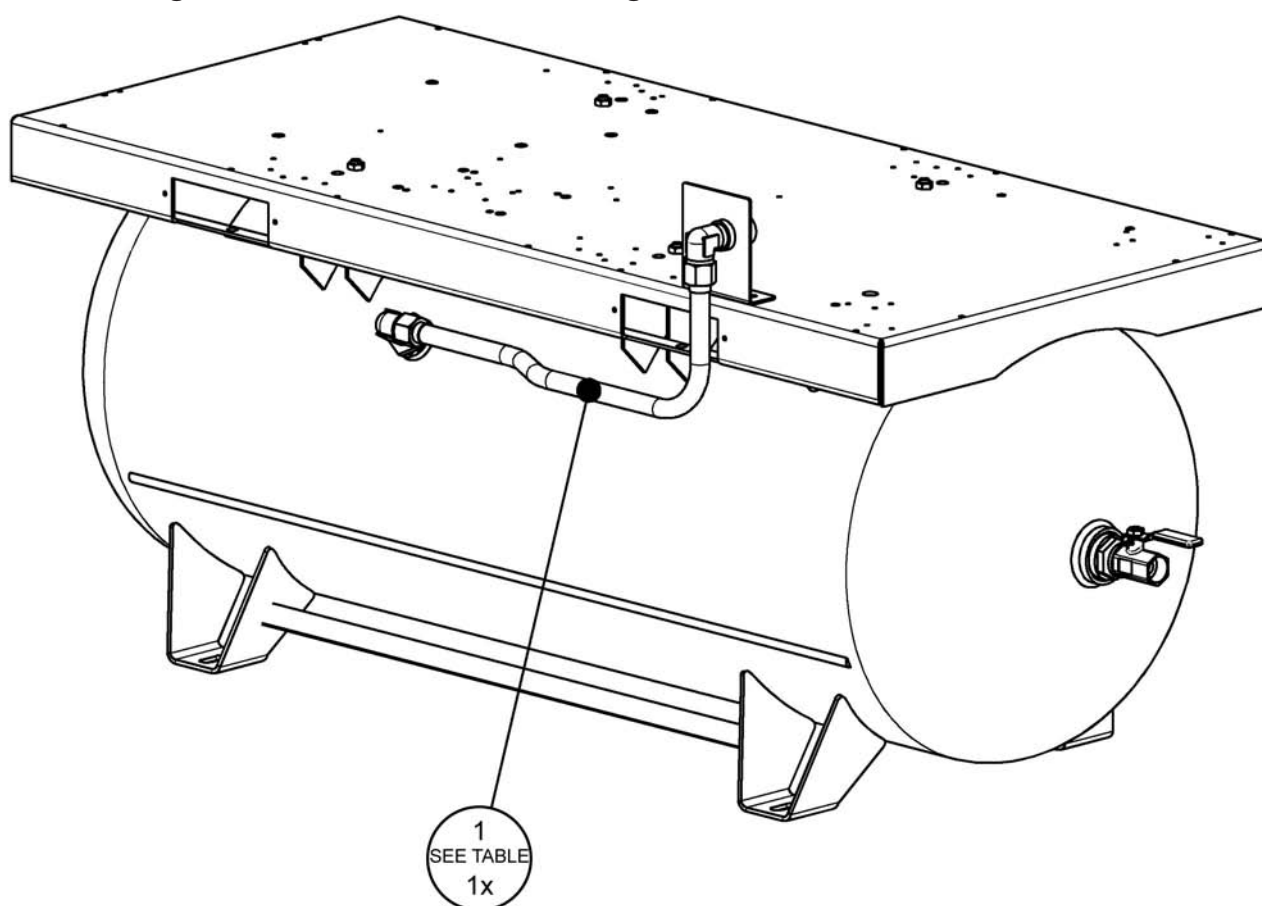
Item	Part No.	Description	Qty.
1	92478221	ELBOW, 1.25 BSPT x 1.25 INCH TUBE	1
2	22769145	REDUCER, BUSHING 1.5 x 1.25 BSPT	1
3	95920341	REDUCER, BUSHING 1.5 NPT x 1.25 FNPT	1
4	95937660	ELBOW, 1.25 INCH TUBE x 1.25 NPT	1

ALTERNATE PARTS LIST FOR 30-40 hp 120/240 GAL

Item	Part No.	Description	Qty.
1	95937660	ELBOW, 1.25 INCH TUBE x 1.25 NPT (TAS)	2
2	95949749	ELBOW, 1.5 INCH TUBE x 1.5 NPT (NON-TAS)	2
3	95950341	REDUCER, BUSHING 1.5 NPT x 1.25 FNPT (TAS ONLY)	1
4	95937660	ELBOW, 1.25 INCH TUBE x 1.25 NPT (TAS)	2
	95949749	ELBOW, 1.5 INCH TUBE x 1.5 NPT (NON-TAS)	2

RECEIVER MOUNTING ASSEMBLY DRAWING AND PARTS LIST

Assemble Discharge Tube to Receiver and Air Discharge Bracket



(Dwg. 22738611E5)

PARTS LIST FOR 20-25 HP / 15-18.5 KW

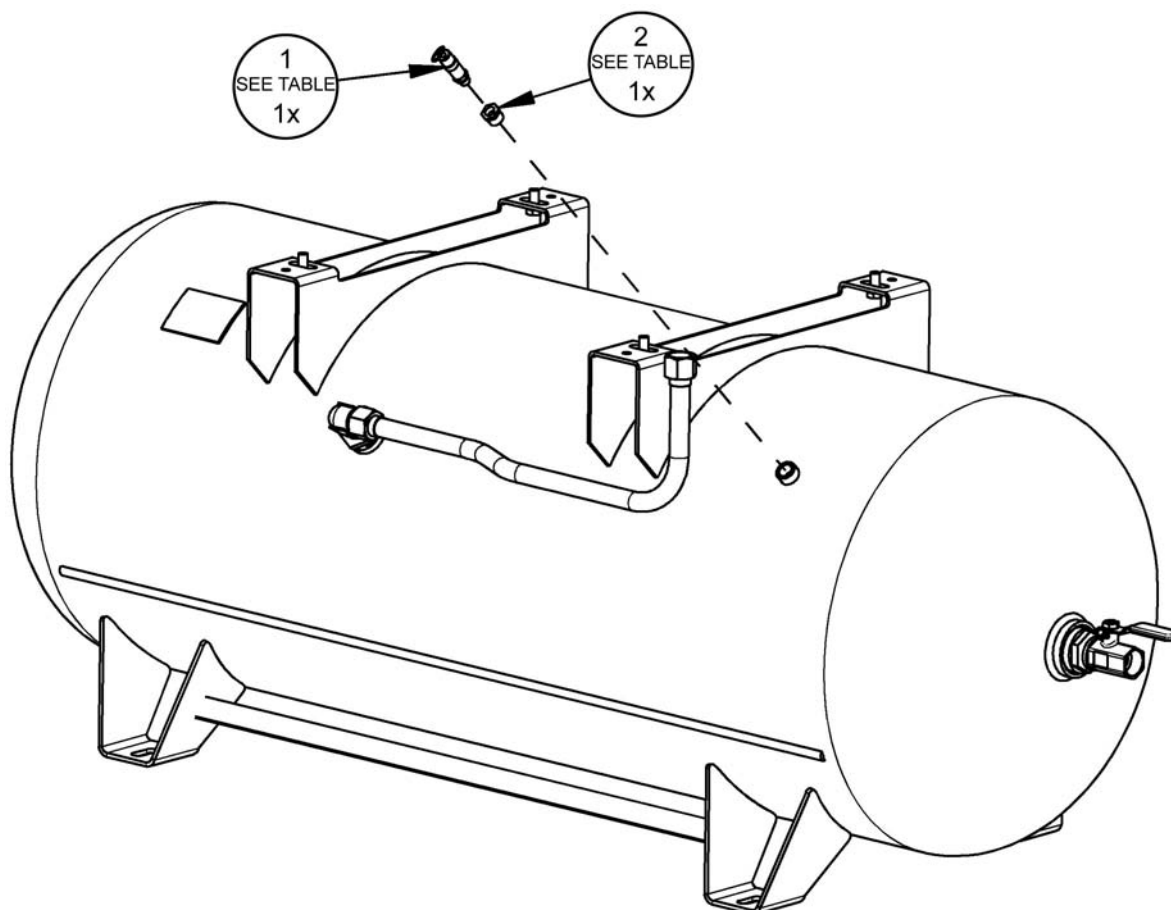
Item	Part No.	Description	Tank Size
1	22834105	TUBE, DISCHARGE 120 GAL.	120 GAL
	22834261	TUBE DISCHARGE 240 GAL.	240 GAL
	22834303	TUBE, DISCHARGE 500 LITRE	500 LITRE
	22834295	TUBE, DISCHARGE 750 LITRE	750 LITRE

PARTS LIST FOR 30-40 HP / 22-30 KW

Item	Part No.	Description	Tank Size
1	22834246	TUBE, DISCHARGE 120 GAL. (TAS)	120 GAL
	22834253	TUBE, DISCHARGE 120 GAL. (NON-TAS)	120 GAL
	22834279	TUBE, DISCHARGE 240 GAL. (TAS)	240 GAL
	22834287	TUBE, DISCHARGE 120 GAL. (NON-TAS)	240 GAL
	22834311	TUBE, DISCHARGE 240 GAL. 500 LITRE	500 LITRE
	22834329	TUBE, DISCHARGE 240 GAL. 750 LITRE	750 LITRE

RECEIVER MOUNTING ASSEMBLY DRAWING AND PARTS LIST

Assemble Airend Relief Valve (Safety Valve)



(Dwg. 22738611E6)

PARTS LIST FOR 20-25 HP / 15-18.5 KW

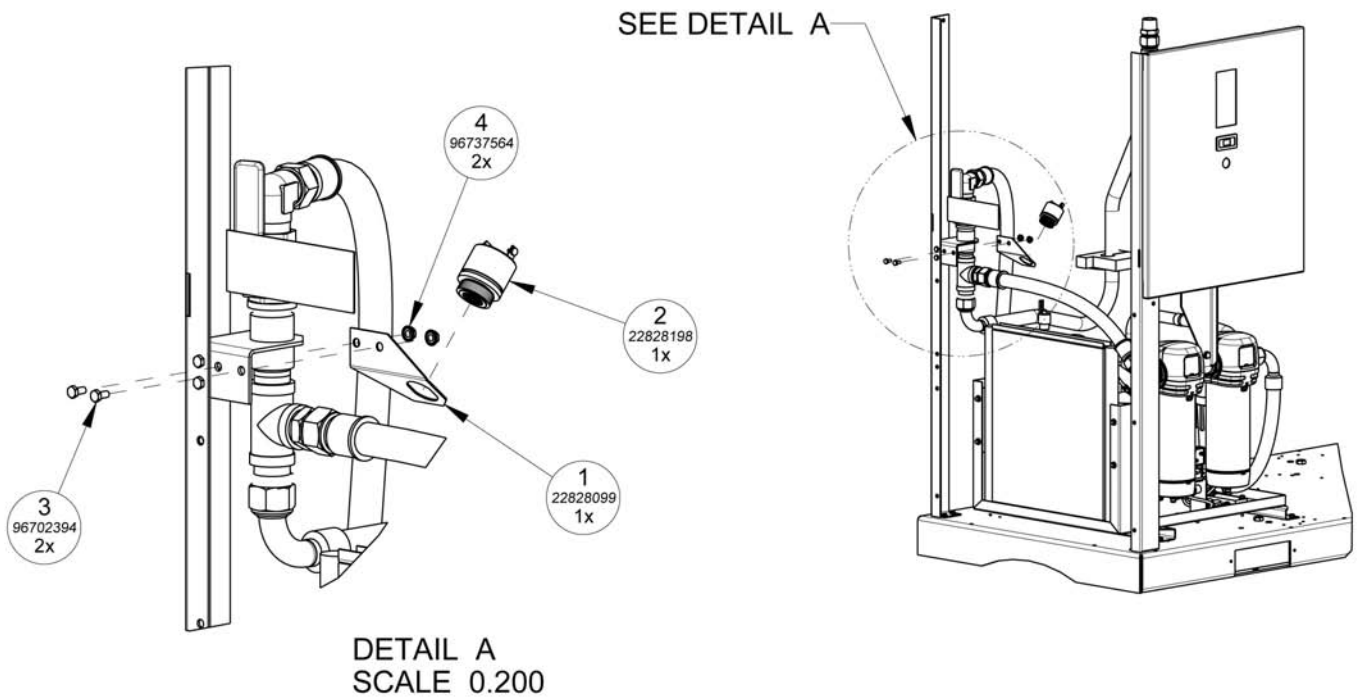
Item	Part No.	Description	Tank Size
1	39588074	VALVE, PRESSURE RELIEF 200 PSIG	120 / 240 GAL
	42923227	VALVE, PRESSURE RELIEF 12 BAR	500 / 750 LITRE
2	95944625	BUSHING, REDUCER 0.5 NPT x 0.25 FNPT	120 / 240 GAL
	92354380	BUSHING, REDUCER 0.5 x 0.25 BSPT	500 / 750 LITRE

PARTS LIST FOR 30-10 HP / 22-30 KW

Item	Part No.	Description	Tank Size
1	39588009	VALVE, PRESSURE RELIEF 200 PSIG	120 / 240 GAL
	42923227	VALVE, PRESSURE RELIEF 12 BAR	500 / 750 LITRE
2	95944625	BUSHING, REDUCER 0.5 NPT x 0.25 FNPT	120 / 240 GAL
	92354380	BUSHING, REDUCER 0.5 x 0.25 BSPT	500 / 750 LITRE

PORO OPTION ASSEMBLY DRAWING AND PARTS LIST

Assemble Poro Horn and Mounting Bracket to Bypass Valve Mount Bracket. (Dryer option only)



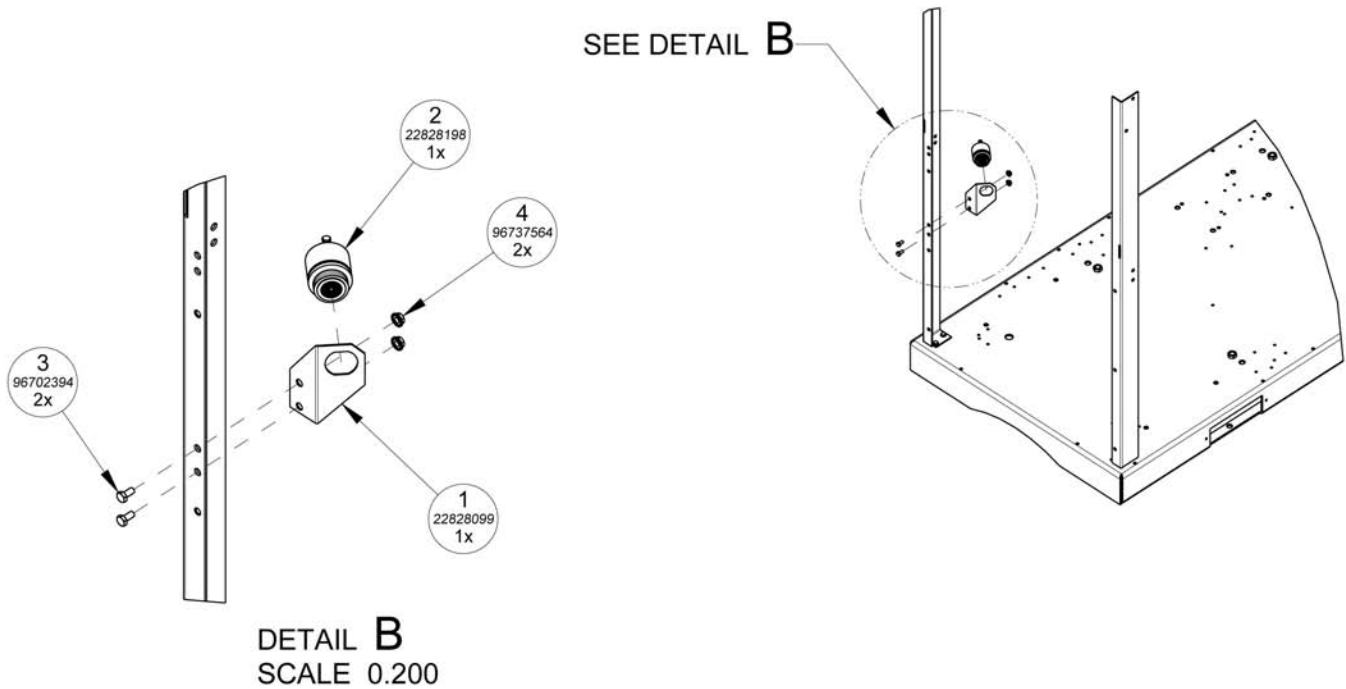
(Dwg. 22835060B2)

PARTS LIST

Item	Part No.	Description	Qty.
1	22828099	BRACKET, PORO	1
2	22828198	HORN, PORO	1
3	96702394	SCREW, HEX HEAD M6-1 x 12 LONG	2
4	96737564	SCREW, HEX HEAD M6-1 x 12 LONG	2

PORO OPTION ASSEMBLY DRAWING AND PARTS LIST

Assemble Poro Horn and Mounting Bracket to Column (Non-Dryer only)



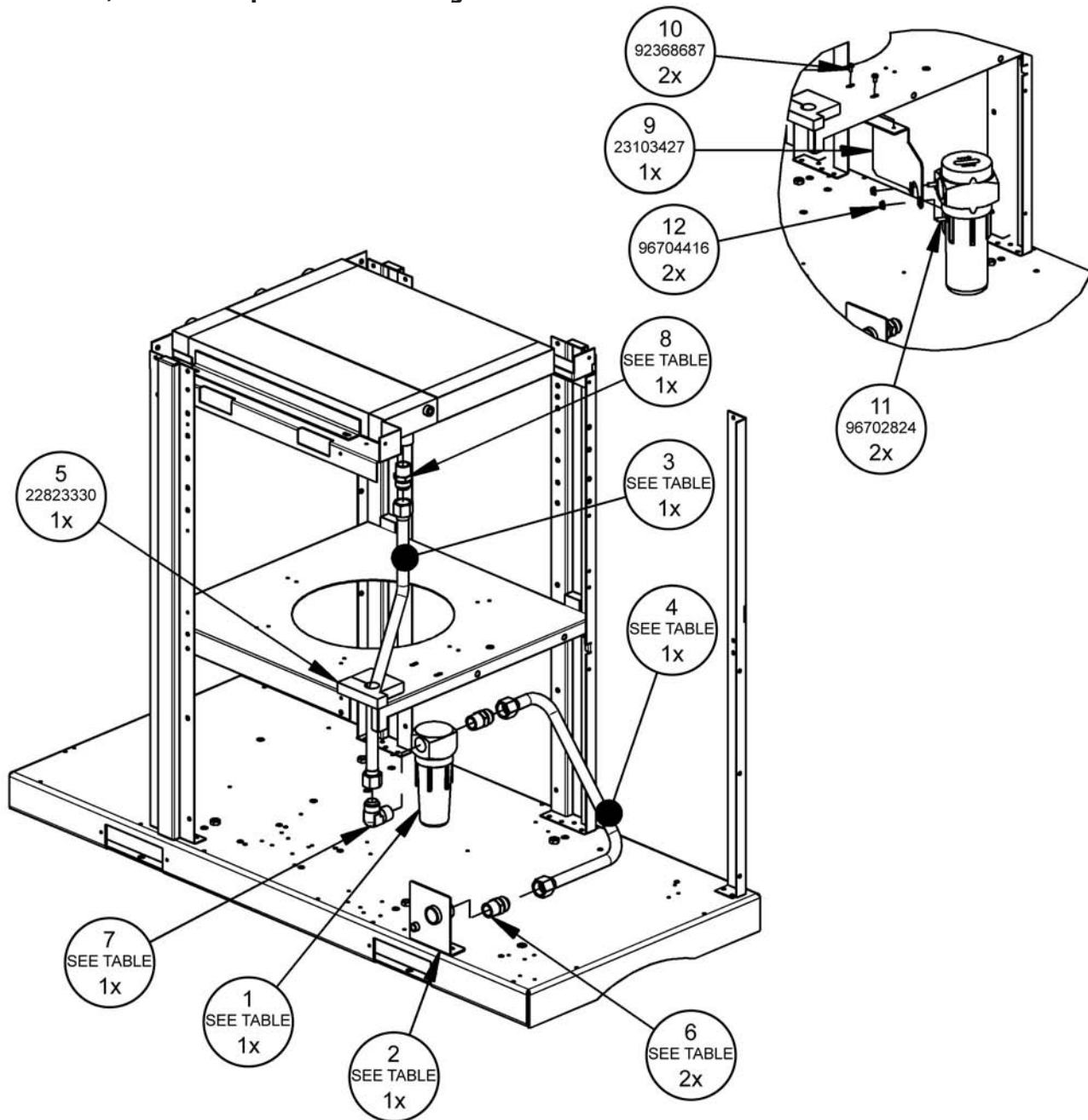
(Dwg. 22835060B3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22828099	BRACKET, PORO	1
2	22828198	HORN, PORO	1
3	96702394	SCREW, HEX HEAD M6-1 x 12 LONG	2
4	96737564	NUT, HEX FLANGE LOCK SERRATED M6-1	2

NON-TAS EDV (BASE MOUNT) ASSEMBLY DRAWING

Assemble, Moisture Separator and Tubing



(Dwg. 22973879E2)

NON-TAS EDV (BASE MOUNT) PARTS LIST

PARTS LIST FOR 20-25 HP/15-18.5 KW

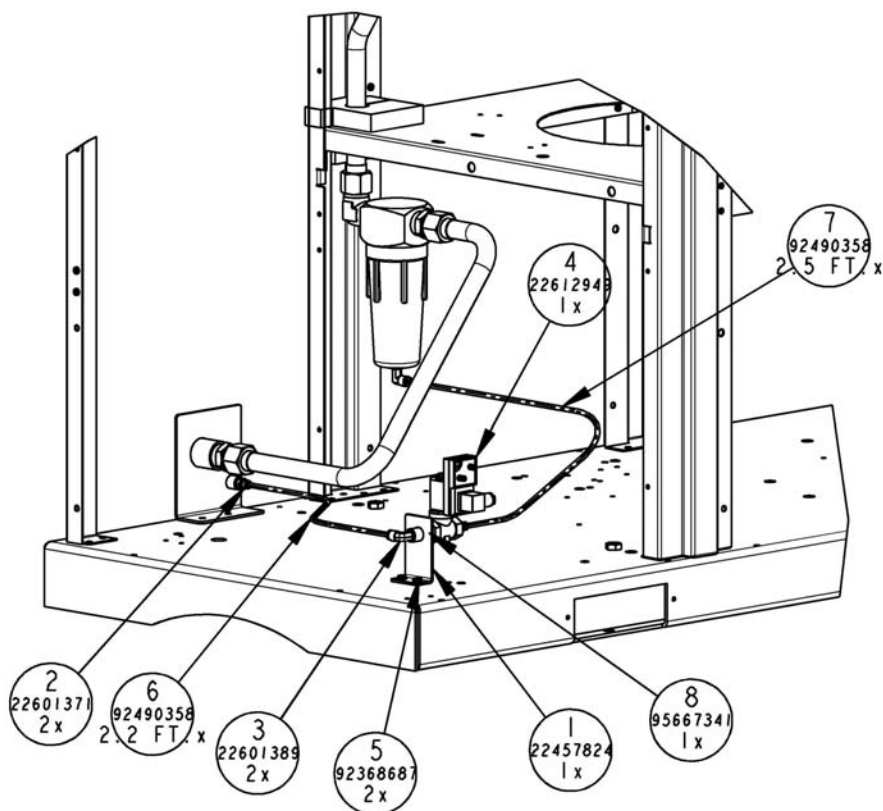
Item	Part No.	Description	Qty.
1	22611735	SEPARATOR, MOISTURE 125 CFM	1
2	22716740	BRACKET, AIR DISCHARGE	1
3	22770630	TUBE, COOLER / MOISTURE SEPARATOR	1
4	22770648	TUBE, MOISTURE SEPARATOR/PACKAGE DISCHARGE	1
5	22823330	COVER, DISCHARGE HOSE (THRU CONE DIVIDER WALL)	1
6	95937520	CONNECTOR, 1.00 TUBE x 1.00 NPT	2
7	95937645	ELBOW, 1.00 TUBE x 1.00 NPT	1
8	96728225	CONNECTOR, 1.00 TUBE x 1.00 BSPT	1

PARTS LIST FOR 30-40 HP/22-30 KW

Item	Part No.	Description	Qty.
1	22627020	SEPARATOR, MOISTURE	1
2	22776157	BRACKET, AIR DISCHARGE	1
3	23103393	TUBE, COOLER / MOISTURE SEPARATOR	1
4	23103419	TUBE, MOISTURE SEPARATOR/PACKAGE DISCHARGE	1
6 & 7	95937553	CONNECTOR, 1.5 INCH TUBE x 1.5 BSPT	2
8	96745401	CONNECTOR, 1.5 INCH TUBE x 1.5 BSPT	1
9	23103427	BRACKET, MOISTURE SEPARATOR	1
10	92368687	TAPTITE, SCREW M6-1 x 12 LONG	2
11	96702824	SCREW, HEX HEAD	2
12	96704416	NUT, HEX FLANGE LOCK	2

NON-TAS EDV (BASE MOUNT) ASSEMBLY DRAWING AND PARTS LIST

Assemble EDV and Flexible Tubing



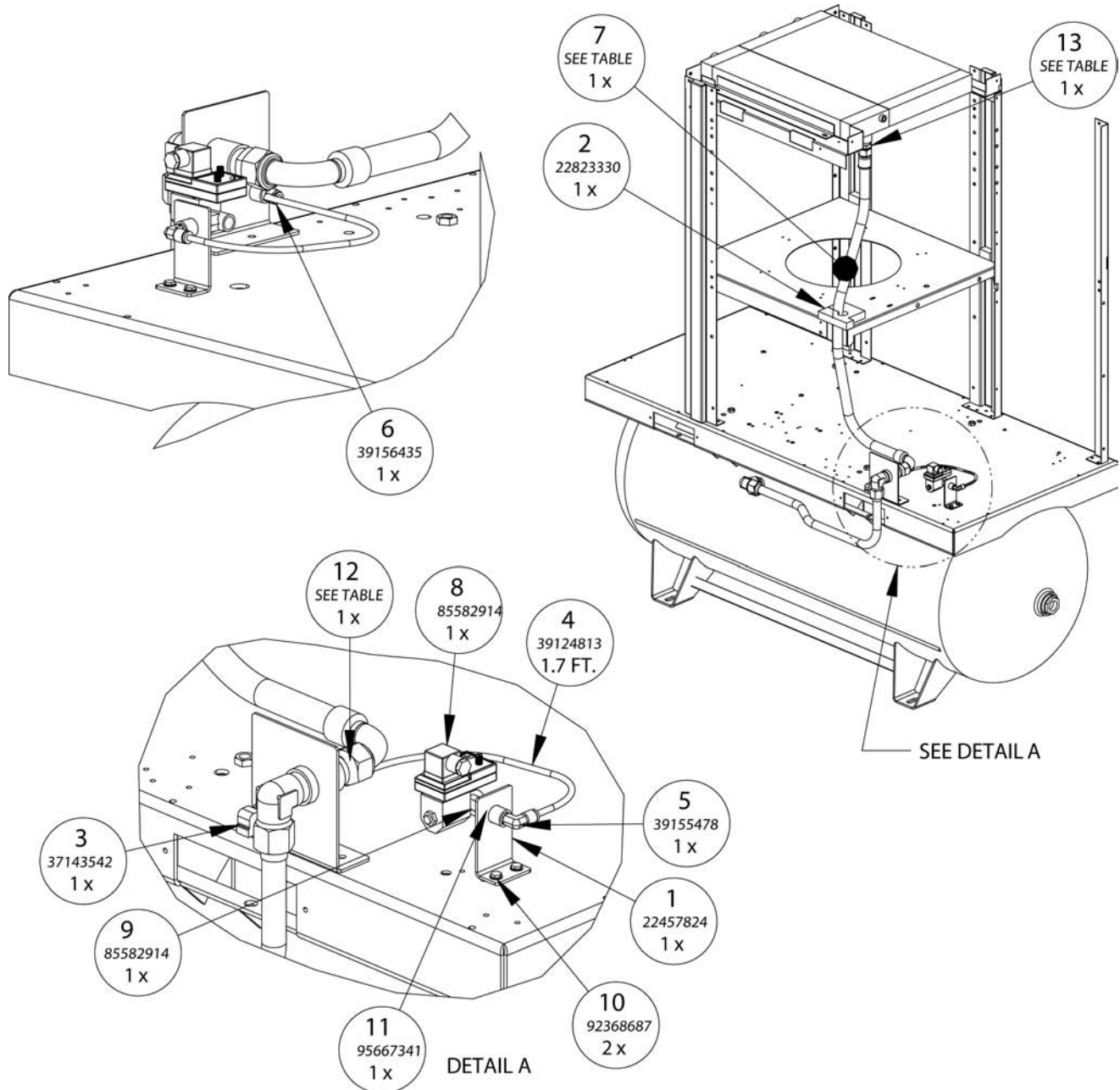
(Dwg. 22973879E3)

PARTS LIST

Item	Part No.	Description	Qty.
1	22457824	BRACKET, MOUNTING	1
2	22601371	CONNECTOR, MALE 0.25 NPT x 6 mm TUBE	2
3	22601389	ELBOW, MALE 0.25 NPT x 6 mm TUBE	2
4	22612949	VALVE, SOLENOID DRAIN 0.25 NPT (230/1/50-60 Hz)	1
5	92368687	TAPTITE SCREW M6-1 x 12 LONG	2
6	92490358	TUBING, NYLON 6 mm O.D. (BLUE)	2.2 ft.
7	92490358	TUBING, NYLON 6 mm O.D. (BLUE)	2.5 ft.
8	95667341	NIPPLE, EXTRA STRONG 0.25 NPT x 0.88 INCH LONG	1

NON-TAS EDV (TANK MOUNT) ASSEMBLY DRAWING

Assemble Hoses and EDV.



(Dwg. 22973895E2)

NON-TAS EDV (TANK MOUNT) PARTS LIST

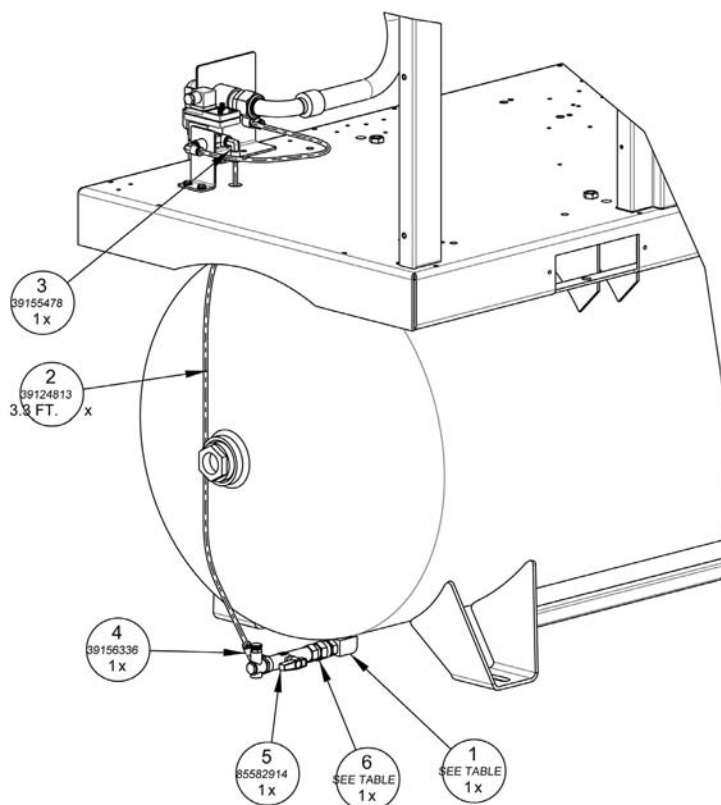
PARTS LIST

Item	Part No.	Description	Qty.
1	22457824	BRACKET, MOUNTING	1
2	22823330	COVER, DISCHARGE HOSE (THRU CONE DIVIDER WALL)	1
3	37143542	ELBOW, STREET 0.25 NPT	1
4	39124813	TUBE, NYLON 0.25 INCH SYNIFLEX	1.7 FT.
5	39155478	ELBOW, 0.25 NPT x 0.25 INCH TUBING	1
6	39156435	CONNECTOR, 0.25 NPT x 0.25 INCH TUBING	1
7	SEE TABLE	HOSE, HYD. OR TUBE-ASSY	1
8	85582914	SOLENOID, EDV (PART OF EDV ASSEMBLY 85582914)	1
9	85582914	TEE, EDV CONNECTOR (PART OF EDV ASSEMBLY 85582914)	1
10	92368687	TAPTITE SCREW M6-1 x 12 LONG	2
11	95667341	NIPPLE, EXTRA STRONG 0.25 NPT x 0.88 INCH LONG	1
12	SEE TABLE	CONNECTOR OR ELBOW	1
13	SEE TABLE	CONNECTOR	1

HOSES AND EDV						
GROUP P/N	NO DRYER	HOSE	TUBE	CONNECTOR	ELBOW	CONNECTOR
42618777	20-25 hp / 15-18.5 kW	85561165		95937520		96728225
42621318	30-40 hp / 22-30 kW		22776579		95949749	96745401

NON-TAS EDV (TANK MOUNT) ASSEMBLY DRAWING AND PARTS LIST

Assemble Drain Line



(Dwg. 22973895E3)

PARTS LIST

Item	Part No.	Description	Qty.
1	SEE TABLE	ELBOW	1
2	39124813	TUBE, NYLON 0.25 INCH SYNFLEX	3.3 ft
3	39155478	ELBOW, 0.25 NPT x 0.25 INCH TUBING	1
4	39156336	ELBOW, 0.25 FNPT x 0.25 INCH TUBING	1
5	85582914	ASSEMBLY ELECTRIC DRAIN VALVE	1
6	SEE TABLE	CONNECTOR	1

DRAIN LINE			
GROUP P/N	RECEIVER	ELBOW	CONNECTOR
42625582	120 GALLON 20-25 hp	16545998	95989638
42625590	120 GALLON 30-40 hp		
42625608	240 GALLON 20-25 hp		
42625616	240 GALLON 30-40 hp		
42625624	500 LITRE 15-18.5 kW	92354513	22062327
42625632	500 LITRE 22-30 kW		
42625640	750 LITRE 15-18.5 kW		
42625657	750 LITRE 22-30 kW		

RECOMMENDED PARTS LIST

MAINTENANCE KIT (NO COOLANT)

CCN	DESCRIPTION
24178311	KIT – MAINTENANCE 2000 HR (NON-TAS) (STD. FILTER) 20-25 hp/15-18.5 kW
24178337	KIT – MAINTENANCE 2000 HR (NON-TAS) (HD FILTER) 20-25 hp/15-18.5 kW
24178345	KIT – MAINTENANCE 2000 HR (NON-TAS) 30-40 hp/22-30 kW
24178360	KIT – MAINTENANCE 2000 HR (TAS) (STD. FILTER) 20-25 hp/15-18.5kW
24178378	KIT – MAINTENANCE 2000 HR (TAS) (HD FILTER) 20-25 hp/15-18.5 kW
24178386	KIT – MAINTENANCE 2000 HR (TAS) 30-40 hp/22-30 kW

OPTION KITS

CCN	DESCRIPTION
22911382	KIT – SEQUENCING, 60 Hz (MULTIPLE MACHINE)
23238595	KIT – PORO

REPAIR KITS

CCN	DESCRIPTION
37956059	KIT – MINIMUM PRESSURE CHECK VALVE REPAIR
22872857	KIT – THERMAL VALVE REPAIR (20-30 hp / 15-22 kW)
24589541	KIT – THERMAL VALVE REPAIR (40 hp / 30kW)
42385955	KIT – INLET VALVE REPAIR
22792519	KIT – SHAFT SEAL

OPTION KITS

CCN	DESCRIPTION
89295976	ELEMENT, AIR FILTER (STD.) 20-25 hp/15-18.5 kW
35393685	ELEMENT, AIR FILTER (HD) 20-25 hp/15-18.5 kW
22203095	ELEMENT, AIR FILTER, 30-40 hp/22-30 kW
54672654	FILTER, COOLANT
54749247	CARTRIDGE, SEPARATOR
38440566	PRE FILTER
22835631	BUTTON, EMERGENCY STOP
22660021	FUSE, 100mA TIME DELAY
22708952	FUSE, 8A TIME DELAY
22708986	FUSE, 10A TIME DELAY
22709000	FUSE, 15A TIME DELAY
22997142	KIT – CAPACITOR 4.0 μ F (EBMPAPST FAN)
22997167	KIT – CAPACITOR 3.2 μ F (ROTOMATIKA FAN)

SAFETY VALVES

CCN	DESCRIPTION
22378665	VALVE, SAFETY (ASME) 20-40 hp/15-30 kW
22401590	VALVE, SAFETY (PED) 20-25 hp/15-18.5 kW
22856934	VALVE, SAFETY (PED) 30-40 hp/22-30 kW

INTELLIKEY KITS

CCN	DESCRIPTION
22794556	KIT, INTELLIKEY – 20 hp / 15 kW
22794572	KIT, INTELLIKEY – 25 hp / 18.5 kW
22794598	KIT, INTELLIKEY – 30 hp / 22 kW
22794614	KIT, INTELLIKEY – 40 hp / 30 kW

RECOMMENDED PARTS LIST

DRIVE KITS

CCN	DESCRIPTION
23842131	DRIVE – LV 20-25 hp/15-18.5 kW (EMC)
23842164	DRIVE – LV 30-40 hp/22-30 kW (EMC)
23842149	DRIVE – HV 20-25 hp/15-18.5 kW (EMC)
23842156	DRIVE – HV 30-40 hp/22-30 kW (EMC)
22794481	DRIVE – LV 20-25 hp/15-18.5 kW (NON-EMC)
22794523	DRIVE – LV 30-40 hp/22-30 kW (NON-EMC)
22794473	DRIVE – HV 20-25 hp/15-18.5 kW (NON-EMC)
22794515	DRIVE – HV 30-40 hp/22-30 kW (NON-EMC)
22837835	KIT, FAN DRIVE – HV 20-25 hp/15-18.5 kW
22837843	KIT, FAN DRIVE – LV 20-25 hp/15-18.5 kW
	KIT, FAN DRIVE – HV 30-40 hp/22-30 kW
	KIT, FAN DRIVE – LV 30-40 hp/22-30 kW
22837850	KIT, FAN DRIVE – LV 30-40 hp/22-30 kW
22837868	KIT, CONTROL CARD

LV = 200-230V, HV = 380-460V

MOTOR KITS

CCN	DESCRIPTION
22911804	MOTOR – 20-25 hp/15-18.5 kW
22911812	MOTOR – 30-40 hp/22-30 kW
22894497	KIT, ROTOR – 20-25 hp/15-18.5 kW
22894505	KIT, ROTOR – 30-40 hp/22-30 kW
22860563	PULLER, MOTOR ROTOR

COOLANT CHECK

CCN	DESCRIPTION
88176367	KIT – COOLANT SAMPLE CHECK

COOLANT

SIZE	ULTRA	ULTRA EL	ULTRA FG (FOOD GRADE)
1 Liter	92837095	24161119	-
5 Liter	92692284	24061608	23973969
15 Liter	-	24061624	-
20 Liter	38459582	-	38459582

