

Quincy Model QMA™ 50/50 Hi-P/60

Parts Manual - Air-cooled "J/J/H" Version
Water-cooled "J/J/H" Version

This manual contains important safety information and should be made available to all personnel who operate and/or maintain this product. Carefully read this manual before attempting to operate or perform maintenance on this compressor.



Quincy Compressor®

True Blue ReliabilitySM

Manual No. 50126-JHC

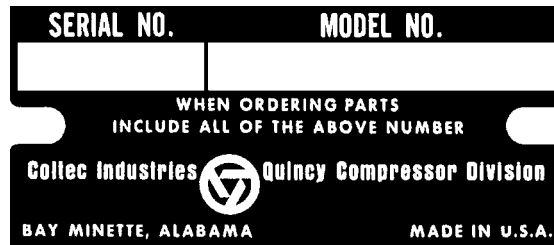
June 1998 Edition

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SERIAL NUMBER IDENTIFICATION

The serial number tag is located on the top flange of the unit frame just left of the control panel and in the upper right corner of the electrical control panel.



ORDERING REPLACEMENT PARTS

Prompt service can be rendered on replacement part orders if the following information is given.

1. The serial number must be given when ordering replacement parts.
2. State the exact part number needed. **Do not order by index numbers**, as index numbers are repeated throughout this manual and if used for ordering parts will necessitate time consuming correspondence.
3. State the exact quantity needed.
4. State the preferred type of transportation.

All replacement parts are to be ordered through an authorized distributor. Insist on Genuine Quincy Parts only! Failure to do so may void your warranty.

WARNING

Guards must be fastened in place before starting the machine and never removed before disconnecting and locking out the main power supply.

DANGER

Air in the piping from this equipment will cause severe injury or death if used for breathing air or food processing (If non-food grade fluid is used). Air used for these processes must meet OSHA 29CFR1910.134 or FDA 21CFR178.3570 standards.

FLUID SPECIFICATIONS

- **Recommendations**

We recommend that all Quincy Helical Screw Compressors be filled with fluids that meet one of the following specifications:

Synthetic Fluids
QUINSYN
QUINSYN IV
QUINSYN-F (Food Grade)

Synthetic fluids other than QUINSYN may not be compatible with components used in a Quincy helical screw compressor. If it is deemed necessary to convert any unit to a synthetic other than QUINSYN, please contact an authorized Quincy Compressor distributor. To locate your nearest distributor, contact Sales & Marketing in Quincy, Illinois:
Phone 217-222-7700, FAX 217-222-4138 or visit our website: <http://www.quincycompressor.com>.

The following information will be required by the distributor:

MODEL QMA: *(circle configuration)* _____ A/C W/C 50HP 50H HP 60HP

SERIAL NO. _____

FLUID ORIGINALLY USED _____

FLUID NOW USED (IF CHANGED) _____

FLUID TO BE USED _____

- **Additional Information**

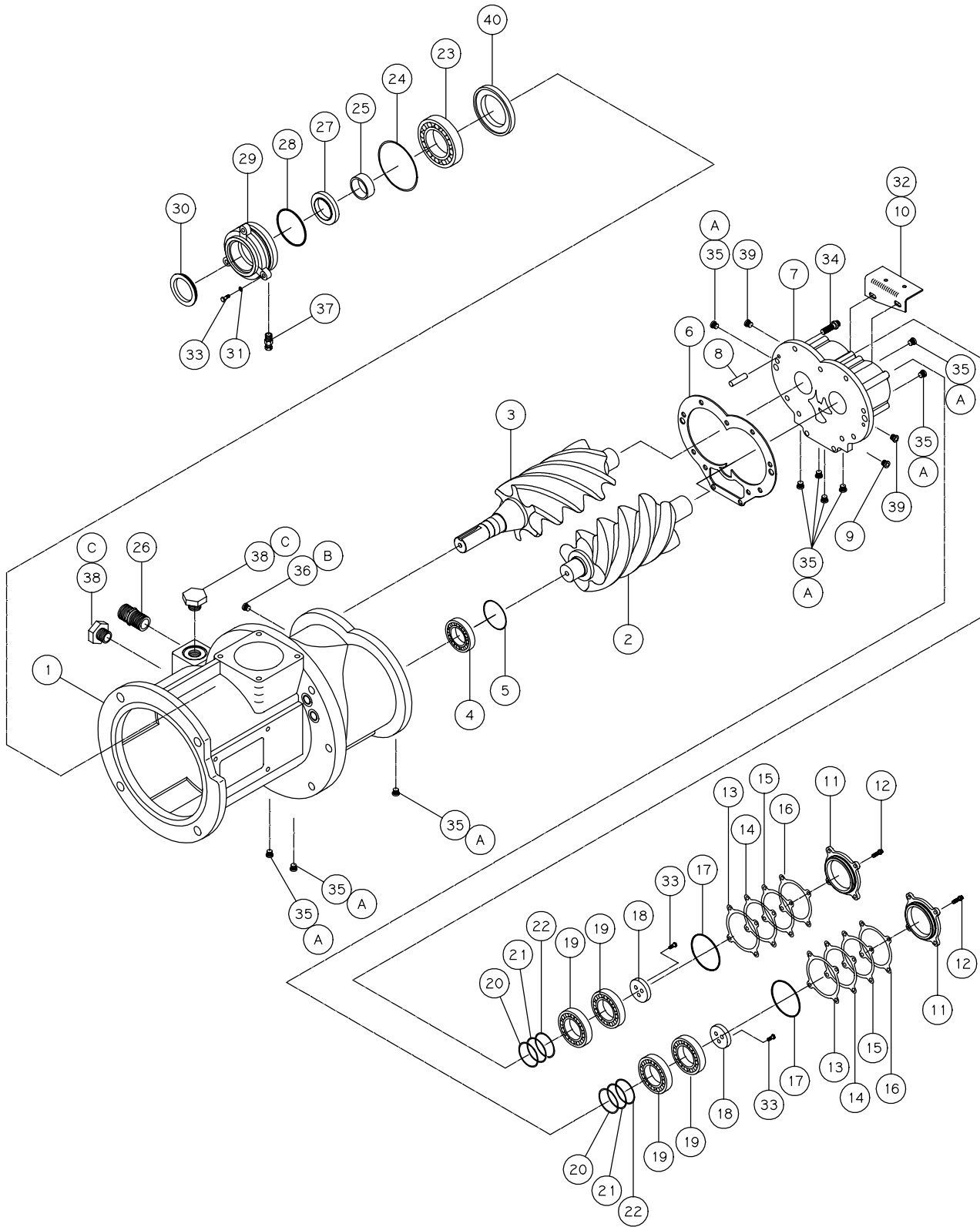
Additional information can be found in the QMA Instruction Manual.

- **Fluid Analysis Kit**

Quincy Compressor now offers free fluid analysis to provide early detection of excessive parts wear, fluid breakdown, or a contaminated fluid system. Order the Fluid Analysis Kit (part no. 128515) from your local authorized Quincy Compressor distributor.

- **Fluid Requirements**

QMA AIR-COOLED		QMA WATER-COOLED	
50HP	13 gallons	50HP	13 gallons
50H HP	13 gallons	50H HP	13 gallons
60HP	13 gallons	60HP	13 gallons



ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
		143030-050 (50HP)	
		143030-060 (60HP)	
1	*		HOUSING-ROTOR
2	*		ROTOR-MALE
3	*		ROTOR-FEMALE
4	*		BEARING-ROTOR, SUCTION END
5	1	125688	RETAINER-BEARING
6	1	125577-001	GASKET-DISCHARGE PLATE
7	*		PLATE-DISCHARGE
8	2	124145-004	PIN-DOWEL
9	1	2721	PLUG-PIPE, 1/2 NPT
10	1	127089	BRACKET-DISCHARGE PIPING
11	2	125567	CAP-END, DISCHARGE
12	8	123478-J12	SCREW-CAP, 1/4-20 UNC X 1.00, GRADE 5 (@ 6 FT-LBS)
13	**	125576-002	SHIM-BEARING (0.002)
14	**	125576-005	SHIM-BEARING (0.005)
15	**	125576-010	SHIM-BEARING (0.010)
16	**	125576-030	SHIM-BEARING (0.030)
17	2	22749-151	O-RING, VITON
18	2	125572	RETAINER-BEARING
19	*		BEARING-ROTOR, DISCHARGE END
20	**	125575-002	SHIM-BEARING (0.002)
21	**	125575-005	SHIM-BEARING (0.005)
22	**	125575-010	SHIM-BEARING (0.010)
23	*		BEARING-ROTOR
24	1	129964-003	RING-RETAINER, BEARING
25	1	129610	SEAL-WEAR RING
26	1	129515	STUD-FILTER, FLUID
27	1	140516	SEAL-SHAFT
28	1	22749-242	O-RING, VITON
29	1	141122	ADAPTER-SEAL
30	1	129613	SEAL-DYNA LIP
31	3	123115-05C	LOCKWASHER, 5/16
32	2	123115-04C	LOCKWASHER, 1/4
33	9	123478-K12	SCREW-CAP, 5/16-18 UNC X 1.00, GRADE 5 (@ 13 FT-LBS)
34	9	123478-L14	SCREW-CAP, 3/8-16 UNC X 1.25, GRADE 5 (@ 23 FT-LBS)
35	10	128883-038	PLUG-PIPE, 3/8-24, SAE O-RING
36	1	128883-075	PLUG-PIPE, 3/4-16, SAE O-RING
37	1	124393-004	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/8 NPT
38	2	129770-131	PLUG-PIPE, 1-5/16-12, SAE O-RING
39	2	121160	PLUG-PIPE, 1/8 NPT
40	1	143019	SEAL-AIR

COMPONENT MAINTENANCE PARTS

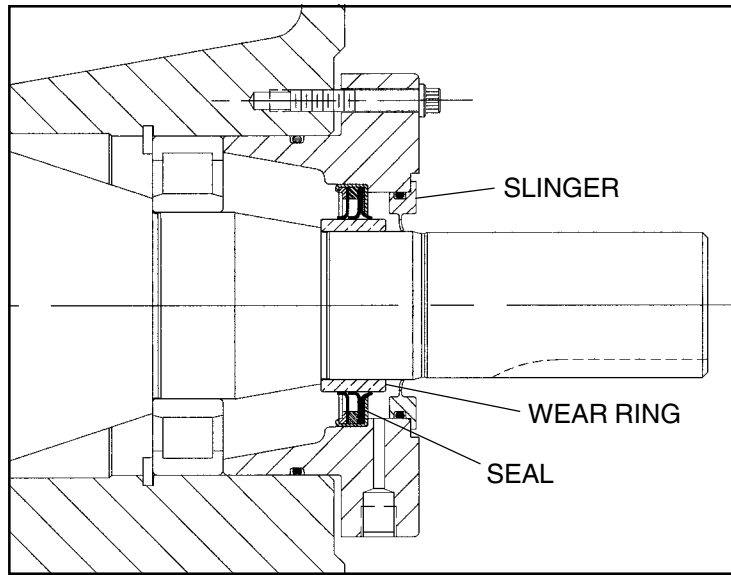
A	10	140406-903	O-RING, VITON
B	1	140406-908	O-RING, VITON
C	2	140406-916	O-RING, VITON

* Items not sold separately; must be ordered as a complete airend.

** Quantity as required.

@ indicates torque value in foot pounds. (lubricated threads)

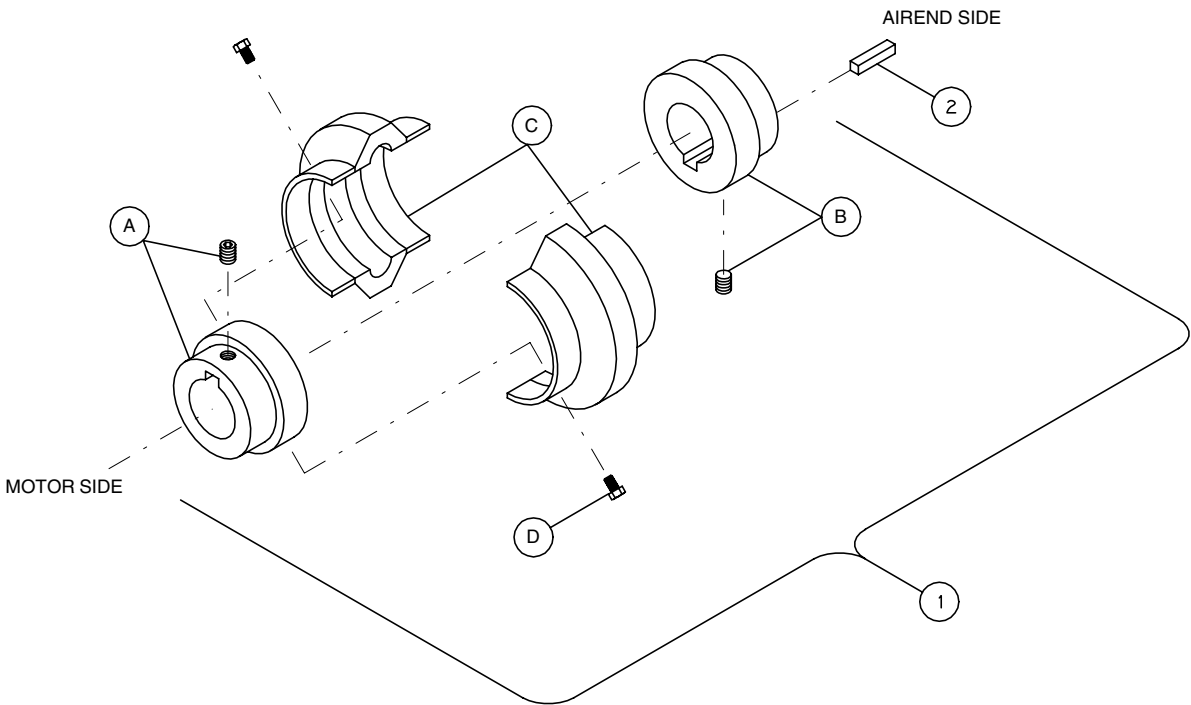
SHAFT SEAL KIT 140517



QTY.	PART NUMBER	DESCRIPTION
1	140517	KIT-SHAFT SEAL (<i>includes the following items</i>)
1	129613	SLINGER
1		SEAL-SHAFT
1		RING-WEAR

NOTICE ! Reference *QMA Instruction Manual* to install compressor shaft seal. Tool Kit 140284 for *QMA* shaft seal and wear ring installation can be purchased from Quincy Compressor.

COUPLING GROUP

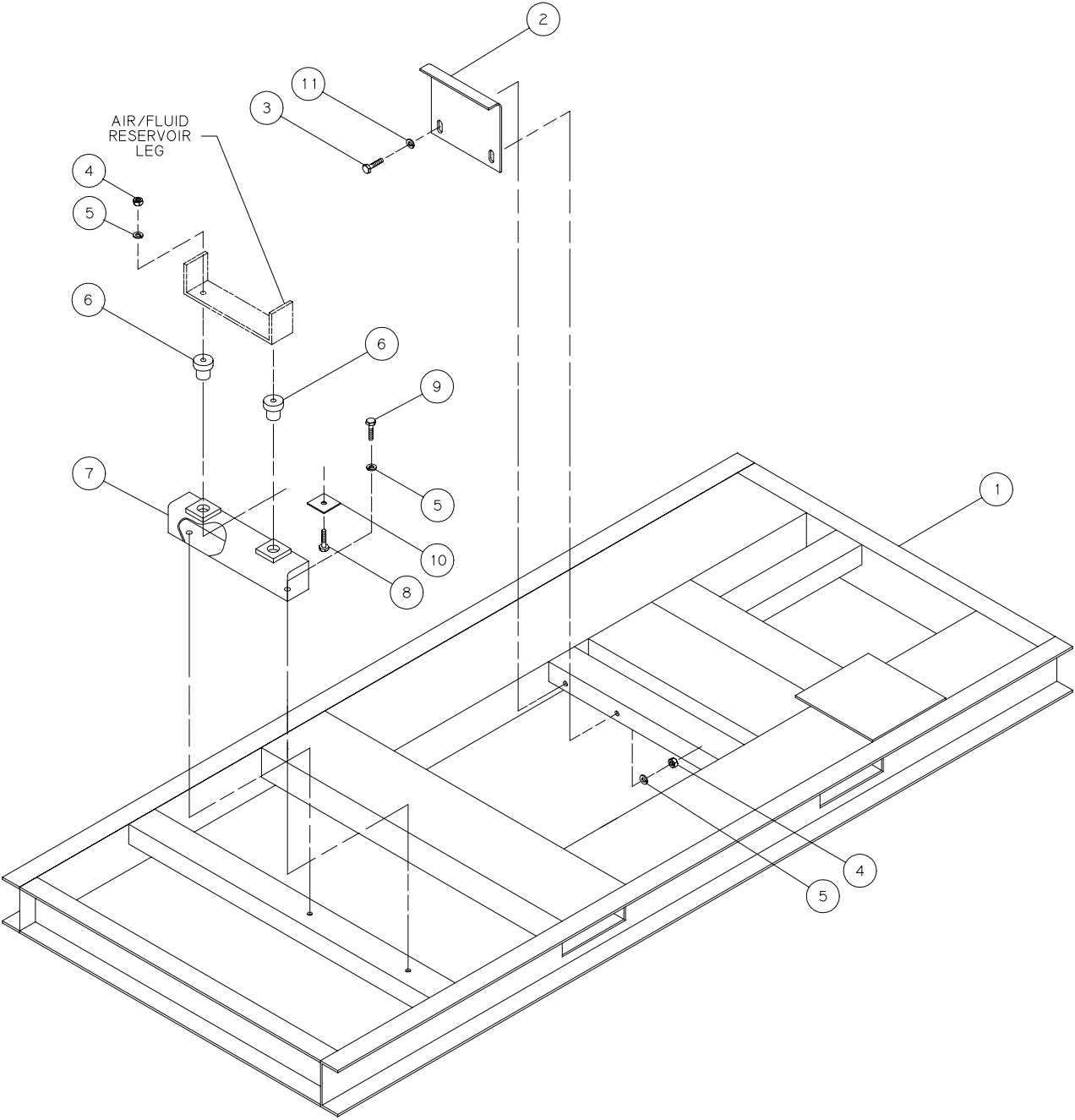


NOTES - UNLESS OTHERWISE SPECIFIED:
 1) COUPLING HUBS MUST BE INSTALLED WITH KEYWAYS OFFSET
 180° (1/2 TURN) TO MAINTAIN COUPLING BALANCE.

ITEM NUMBER	QTY.	PART NUMBER	PART NUMBER	DESCRIPTION
		50HP	50H HP/60HP	
1	1	128387-100	128387-125	COUPLING-DRIVE
2	1	20109	⚡	KEY-SQUARE
COMPONENT MAINTENANCE PARTS				
A	1	128387-200	128387-219	HUB-COUPLING, MOTOR SIDE <i>(includes set screw)</i>
B	1	128387-300	128387-301	HUB-COUPLING, AIREND SIDE <i>(includes set screw)</i>
C	1	128387-400	128387-412	ELEMENT-DRIVE COUPLING <i>(1 pr. of halves sold as a matched set only)</i>
D	1	128387-500	128387-501	BOLT KIT-DRIVE COUPLING (@ 30 FT-LBS)

@ indicates torque value in foot pounds. (dry threads)

BASE GROUP
141362-001

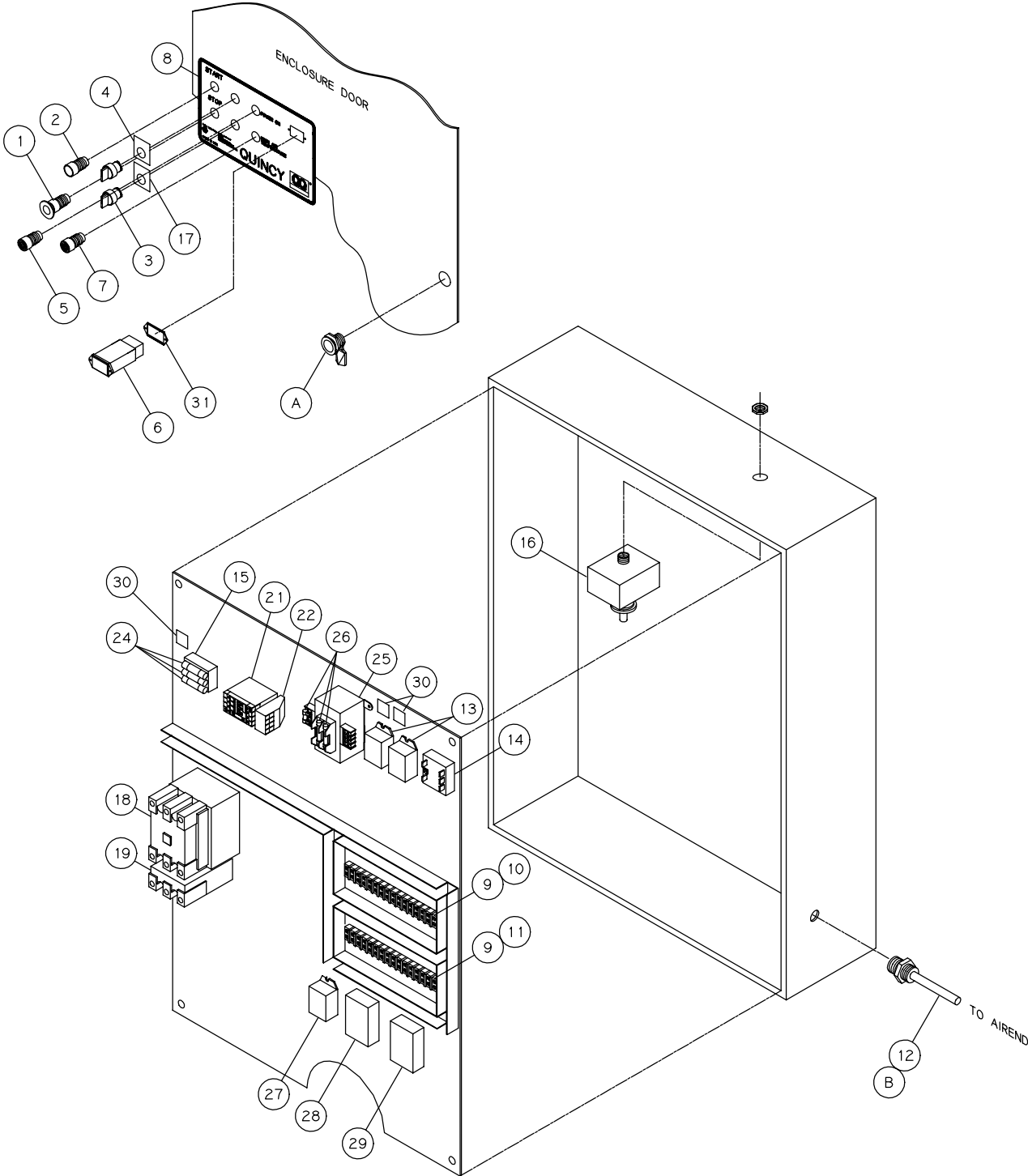


**BASE GROUP
141362-001**

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	141346	BASE
2	1	126930	SUPPORT
3	2	123478-N15	SCREW-CAP, 1/2-13 UNC X 1.50, GRADE 5 (@ 55 FT-LBS)
4	4	124364-N02	NUT-HEX, 1/2-13 UNC
5	6	123115-08C	LOCKWASHER, 1/2
6	2	122681-10	MOUNT-MOTOR
7	1	126571	SUPPORT-RESERVOIR
8	2	123478-N21	SCREW-CAP, 1/2-13 UNC X 3.00, GRADE 5 (@ 55 FT-LBS)
9	2	123478-N14	SCREW-CAP, 1/2-13 UNC X 1.25, GRADE 5 (@ 55 FT-LBS)
10	2	122680-18	WASHER-FLAT, 1/2
11	2	110428W050	WASHER-FLAT, 1/2

@ indicates torque value in foot pounds. (*lubricated threads*)

STARTING GROUP (across the line)



NOTES-UNLESS OTHERWISE SPECIFIED:
 1) ITEMS 20 AND 23 ARE NOT SHOWN.

STARTING GROUP *(across the line)*

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1		SWITCH-STOP
<i>Consisting of:</i>	(1)	129089	BLOCK-CONTACT, NORMALLY CLOSED
	(1)	129082	BUTTON
2	1		SWITCH-START
<i>Consisting of:</i>	(1)	129090	BLOCK-CONTACT, NORMALLY OPEN
	(1)	129081	BUTTON
3	1		SWITCH-MODE**
<i>Consisting of:</i>	(1)	129091	BLOCK-CONTACT
	(1)	129083	KNOB-OPERATOR
4	1	129103-2	PLATE-LEGEND (AUTO DUAL)
	1	129103-3	PLATE-LEGEND (AUTO DEMAND)
5	1		LIGHT-POWER ON
<i>Consisting of:</i>	(1)	129087	LENS CAP
	(1)	129092	BASE-LAMP
	(1)	129495	LAMP-INCANDESCENT
6	1	110871-120	HOURMETER
7	1		LIGHT-HIGH AIR TEMPERATURE
<i>Consisting of:</i>	(1)	129088	LENS CAP
	(1)	129092	BASE-LAMP
	(1)	129495	LAMP-INCANDESCENT
8	1	129077	DECAL-PANEL
9	2	123153-014	TERMINAL STRIP
10	1	125786-019	DECAL-TERMINAL STRIP
11	1	125786-020	DECAL-TERMINAL STRIP
12	1	122880S222	SWITCH-TEMPERATURE
13	2	125706-005	RELAY-CONTROL
14	1	122862-900	TIMER-15 MINUTE
15	1	126263-004	BLOCK-FUSE
16	1	22454-1	SWITCH-PRESSURE** (100-150 PSI FULL LOAD PRESSURE)
17	1	129103-6	PLATE-LEGEND (LEAD/LAG)
18	*		CONTACTOR-DRIVE MOTOR (PAGE 12)
19	*		RELAY-OVERLOAD, DRIVE MOTOR (PAGE 12)
20	*		ELEMENT-HEATER, DRIVE MOTOR (PAGE 13)
21	*		CONTACTOR-FAN MOTOR (PAGE 13)
22	*		RELAY-OVERLOAD, FAN MOTOR (PAGE 13)
23	*		ELEMENT-HEATER, FAN MOTOR (PAGE 14)
24	*		FUSES-FAN MOTOR (PAGE 14)
25	*		TRANSFORMER (PAGE 14)
26	*		FUSES-TRANSFORMER (PAGE 15)
27	*		PHASE MONITOR (OPTIONAL) (PAGE 15)
28	1	125705-010	TIMER-AUTO RESTART (OPTIONAL)
29	1	125706-005	RELAY (OPTIONAL)
30	3	40639	DECAL-FUSE RATINGS
31	1	126972	GASKET-HOURMETER
COMPONENT MAINTENANCE PARTS			
A	1	141784-001	LATCH-ENCLOSURE, NEMA 1
		141784-002	LATCH-ENCLOSURE, NEMA 4
B	1	141406-908	O-RING, VITON

NOTES:

* Quantities and part numbers listed in tabulations on the following pages.

** Requires quantity of (2) on units with lead/lag option.

STARTING GROUP *(across the line)*

ITEM 18
DRIVE MOTOR CONTACTOR

		50HP	50H HP (125/150 PSI) & 60HP
	<i>QTY</i>		
200V	1	141590-14	141590-15
230V	1	141590-13	141590-14
380V	1	141590-10	141590-11
415V	1	141590-09	141590-10
460V	1	141590-10	141590-11
575V	1	141590-09	141590-10

ITEM 19
DRIVE MOTOR OVERLOAD RELAY

STANDARD EFFICIENCY

		50HP	50H HP (125/150 PSI) & 60HP
	<i>QTY</i>		
200V	1	141591-085	141591-086
230V	1	141591-083	141591-085
380V	1	141591-063	141591-067
415V	1	141591-063	141591-064
460V	1	141591-063	141591-067
575V	1	141591-062	141591-064

HIGH & PREMIUM EFFICIENCY

		50HP	50H HP (125/150 PSI) & 60HP
	<i>QTY</i>		
200V	1	141592-006	141592-007
230V	1	141592-006	141592-006
380V	1	141592-004	141592-004
415V	1	141592-004	141592-004
460V	1	141592-004	141592-005
575V	1	141592-004	141592-004

**NOTE: STANDARD EFFICIENCY OVERLOADS ARE CLASS 10.
HIGH & PREMIUM EFFICIENCY OVERLOADS ARE CLASS 20.**

STARTING GROUP *(across the line)*

ITEM 20 **DRIVE MOTOR HEATER ELEMENT (CLASS 20)**

	<i>QTY</i>	50HP	50H HP (125/150 PSI) & 60HP
200V	3	141607-084	141607-086
230V	3	141607-082	141607-084
380V	3	141607-070	141607-072
415V	3	141607-069	141607-071
460V	3	141607-071	141607-073
575V	3	141607-068	141607-071

NOTE: HEATER ELEMENT USED ONLY WITH HIGH & PREMIUM EFFICIENCY OVERLOADS.

ITEM 21 **FAN MOTOR CONTACTOR**

	<i>QTY</i>	
200V	1	141590-02
230V	1	141590-02
380V	1	141590-02
415V	1	141590-02
460V	1	141590-02
575V	1	141590-02

ITEM 22 **FAN MOTOR OVERLOAD RELAY**

	<i>QTY</i>	STANDARD EFFICIENCY	HIGH & PREMIUM EFFICIENCY
200V	1	141591-013	141592-001
230V	1	141591-012	141592-001
380V	1	141591-010	141592-001
415V	1	141591-009	141592-001
460V	1	141591-009	141592-001
575V	1	141591-008	141592-001

**NOTE: STANDARD EFFICIENCY OVERLOADS ARE CLASS 10.
HIGH & PREMIUM EFFICIENCY OVERLOADS ARE CLASS 20.**

STARTING GROUP *(across the line)*

ITEM 23	FAN MOTOR HEATER ELEMENT (CLASS 20)	
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	QTY	
200V	3	141607-036
230V	3	141607-035
380V	3	141607-030
415V	3	141607-029
460V	3	141607-027
575V	3	141607-025

NOTE: HEATER ELEMENT USED ONLY WITH HIGH & PREMIUM EFFICIENCY OVERLOADS.

ITEM 24	FAN MOTOR FUSES	
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	QTY	
200V	3	128857-025
230V	3	128857-024
380V	3	128857-010
415V	3	128857-020
460V	3	128857-009
575V	3	128857-008

ITEM 25	TRANSFORMER	
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		AIR-COOLED	WATER-COOLED
200V	QTY		
200V	1	128413-251	128413-251
230V	1	128413-253	128413-253
380V	1	128413-156	128413-256
415V	1	128413-154	128413-254
460V	1	128413-153	128413-253
575V	1	128413-155	128413-255

STARTING GROUP (*across the line*)

ITEM 26**TRANSFORMER FUSES**

AIR-COOLED

	<i>QTY</i>	<i>PRIMARY</i>	<i>QTY</i>	<i>SECONDARY</i>
200V	2	128857-012	1	128622-250
230V	2	128857-015	1	128622-250
380V	2	128857-003	1	128622-160
415V	2	128857-002	1	128622-160
460V	2	128857-002	1	128622-160
575V	2	128857-002	1	128622-160

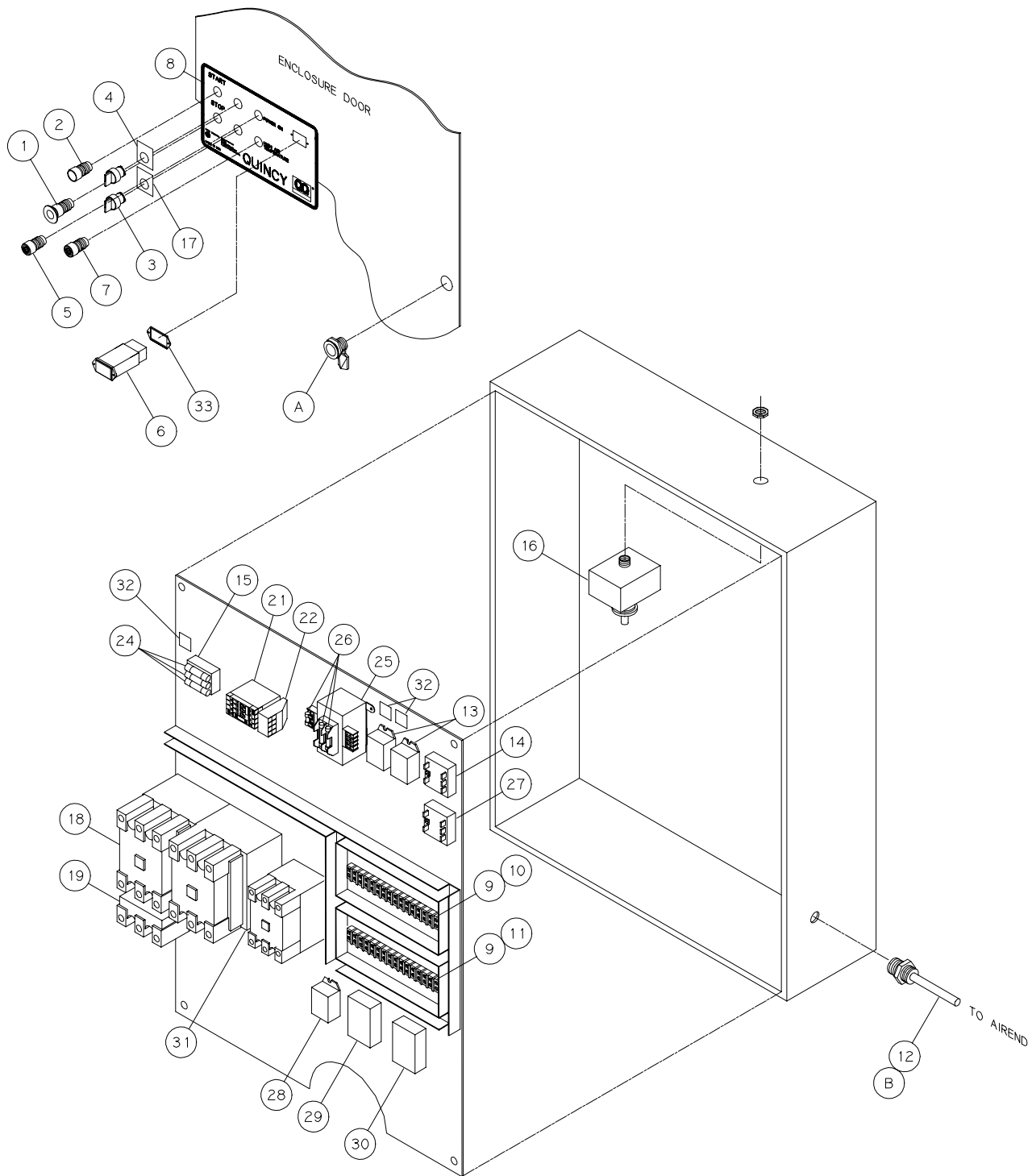
WATER-COOLED

	<i>QTY</i>	<i>PRIMARY</i>	<i>QTY</i>	<i>SECONDARY</i>
200V	2	128857-012	1	128622-250
230V	2	128857-015	1	128622-250
380V	2	128857-011	1	128622-250
415V	2	128857-011	1	128622-250
460V	2	128857-011	1	128622-250
575V	2	128857-003	1	128622-250

ITEM 27**PHASE MONITOR (OPTIONAL)**

	<i>QTY</i>	
200V	1	129200-001
230V	1	129200-001
380V	1	129200-003
415V	1	129200-003
460V	1	129200-002
575V	1	128422-003

STARTING GROUP (wye-delta)



NOTES-UNLESS OTHERWISE SPECIFIED:
 1) ITEMS 20 AND 23 ARE NOT SHOWN.

STARTING GROUP (wye-delta)

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1		SWITCH-STOP
Consisting of:	(1)	129089	BLOCK-CONTACT, NORMALLY CLOSED
	(1)	129082	BUTTON
2	1		SWITCH-START
Consisting of:	(1)	129090	BLOCK-CONTACT, NORMALLY OPEN
	(1)	129081	BUTTON
3	1		SWITCH-MODE
Consisting of:	(1)	129091	BLOCK-CONTACT
	(1)	129083	KNOB-OPERATOR
4	1	129103-2	PLATE-LEGEND (AUTO DUAL)
	1	129103-3	PLATE-LEGEND (AUTO DEMAND)
5	1		LIGHT-POWER ON
Consisting of:	(1)	129087	LENS CAP
	(1)	129092	BASE-LAMP
	(1)	129495	LAMP-INCANDESCENT
6	1	110871-120	HOURMETER
7	1		LIGHT-HIGH AIR TEMPERATURE
Consisting of:	(1)	129088	LENS CAP
	(1)	129092	BASE-LAMP
	(1)	129495	LAMP-INCANDESCENT
8	1	129077	DECAL-PANEL
9	2	123153-014	TERMINAL STRIP
10	1	125786-019	DECAL-TERMINAL STRIP
11	1	125786-020	DECAL-TERMINAL STRIP
12	1	122880S222	SWITCH-TEMPERATURE
13	2	125706-005	RELAY-CONTROL
14	1	122862-900	TIMER-15 MINUTE
15	1	126263-004	BLOCK-FUSE
16	1	22454-1	SWITCH-PRESSURE** (100-150 PSI FULL LOAD PRESSURE)
17	1	129103-6	PLATE-LEGEND (LEAD/LAG)
18	*		CONTACTOR-DRIVE MOTOR (PAGE 18)
19	*		RELAY-OVERLOAD, DRIVE MOTOR (PAGE 18)
20	*		ELEMENT-HEATER, DRIVE MOTOR (PAGE 19)
21	*		CONTACTOR-FAN MOTOR (PAGE 19)
22	*		RELAY-OVERLOAD, FAN MOTOR (PAGE 19)
23	*		ELEMENT-HEATER, FAN MOTOR (PAGE 20)
24	*		FUSES-FAN MOTOR (PAGE 20)
25	*		TRANSFORMER (PAGE 20)
26	*		FUSES-TRANSFORMER (PAGE 21)
27	1	122862-15	TIMER-15 SECOND
28	*		PHASE MONITOR (OPTIONAL) (PAGE 21)
29	1	125705-010	TIMER-AUTO RESTART (OPTIONAL)
30	1	125706-005	RELAY (OPTIONAL)
31	1	141594-01	INTERLOCK-MECHANICAL
32	3	40639	DECAL-FUSE RATINGS
33	1	126972	GASKET-HOURMETER

COMPONENT MAINTENANCE PARTS

A	1	141784-001	LATCH-ENCLOSURE, NEMA 1
		141784-002	LATCH-ENCLOSURE, NEMA 4
B	1	141406-908	O-RING, VITON

NOTES:

* Quantities and part numbers listed in tabulations on the following pages.

** Requires quantity of (2) on units with lead/lag option.

STARTING GROUP (*wye-delta*)

ITEM 18 DRIVE MOTOR CONTACTOR

		50HP	50H HP (125/150 PSI) 60HP	
			QTY	
200V	QTY			
	2	141590-12	2	141590-13
230V	1	141590-08	1	141590-10
	2	141590-11	2	141590-12
380V	1	141590-07	1	141590-08
	3	141590-07	2	141590-08
415V			1	141590-07
	3	141590-07	2	141590-08
460V			1	141590-07
	2	141590-08	2	141590-08
575V	1	141590-07	1	141590-07
	2	141590-06	2	141590-08
	1	141590-05	1	141590-07

ITEM 19 DRIVE MOTOR OVERLOAD RELAY

STANDARD EFFICIENCY

		50HP	50H HP (125/150 PSI) & 60HP
200V	QTY		
	1	141591-073	141591-080
230V	1	141591-067	141591-073
380V	1	141591-059	141591-059
415V	1	141591-058	141591-059
460V	1	141591-059	141591-061
575V	1	141591-052	141591-059

HIGH & PREMIUM EFFICIENCY

		50HP	50H HP (125/150 PSI) & 60HP
200V	QTY		
	1	141592-005	141592-006
230V	1	141592-005	141592-005
380V	1	141592-003	141592-004
415V	1	141592-003	141592-004
460V	1	141592-004	141592-004
575V	1	141592-002	141592-004

**NOTE: STANDARD EFFICIENCY OVERLOADS ARE CLASS 10.
HIGH & PREMIUM EFFICIENCY OVERLOADS ARE CLASS 20.**

STARTING GROUP (wye-delta)

ITEM 20 DRIVE MOTOR HEATER ELEMENT (CLASS 20)

		50HP	50H HP (125/150 PSI) & 60HP
	<i>QTY</i>		
200V	3	141607-074	141607-077
230V	3	141607-073	141607-075
380V	3	141607-054	141607-065
415V	3	141607-053	141607-064
460V	3	141607-065	141607-067
575V	3	141607-054	141607-065

NOTE: HEATER ELEMENT USED ONLY WITH HIGH & PREMIUM EFFICIENCY OVERLOADS.

ITEM 21 FAN MOTOR CONTACTOR

	<i>QTY</i>	
200V	1	141590-02
230V	1	141590-02
380V	1	141590-02
415V	1	141590-02
460V	1	141590-02
575V	1	141590-02

ITEM 22 FAN MOTOR OVERLOAD RELAY

		STANDARD EFFICIENCY	HIGH & PREMIUM EFFICIENCY
	<i>QTY</i>		
200V	1	141591-013	141592-001
230V	1	141591-012	141592-001
380V	1	141591-010	141592-001
415V	1	141591-009	141592-001
460V	1	141591-009	141592-001
575V	1	141591-008	141592-001

**NOTE: STANDARD EFFICIENCY OVERLOADS ARE CLASS 10.
HIGH & PREMIUM EFFICIENCY OVERLOADS ARE CLASS 20.**

STARTING GROUP (*wye-delta*)

ITEM 23 FAN MOTOR HEATER ELEMENT (CLASS 20)

	<i>QTY</i>	
200V	3	141607-036
230V	3	141607-035
380V	3	141607-030
415V	3	141607-029
460V	3	141607-027
575V	3	141607-025

NOTE: HEATER ELEMENT USED ONLY WITH HIGH & PREMIUM EFFICIENCY OVERLOADS.

ITEM 24 FAN MOTOR FUSES

	<i>QTY</i>	
200V	3	128857-025
230V	3	128857-024
380V	3	128857-010
415V	3	128857-020
460V	3	128857-009
575V	3	128857-008

ITEM 25 TRANSFORMER

	<i>QTY</i>	AIR-COOLED	WATER-COOLED
200V	1	128413-251	128413-251
230V	1	128413-253	128413-253
380V	1	128413-156	128413-256
415V	1	128413-154	128413-254
460V	1	128413-153	128413-253
575V	1	128413-155	128413-255

STARTING GROUP (*wye-delta*)

ITEM 26**TRANSFORMER FUSES**

AIR-COOLED

	<i>QTY</i>	<i>PRIMARY</i>	<i>QTY</i>	<i>SECONDARY</i>
200V	2	128857-012	1	128622-250
230V	2	128857-015	1	128622-250
380V	2	128857-003	1	128622-160
415V	2	128857-002	1	128622-160
460V	2	128857-002	1	128622-160
575V	2	128857-002	1	128622-160

WATER-COOLED

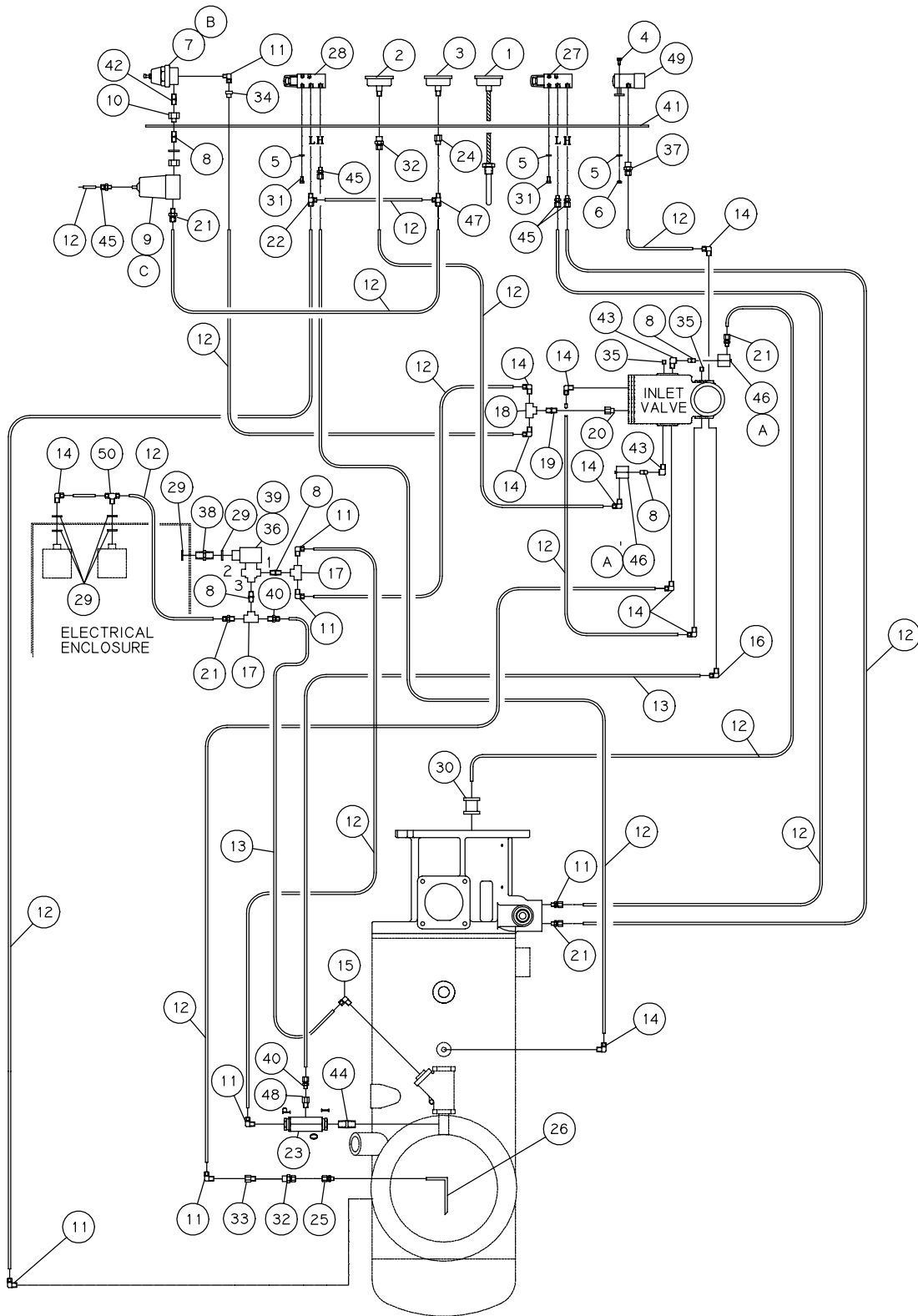
	<i>QTY</i>	<i>PRIMARY</i>	<i>QTY</i>	<i>SECONDARY</i>
200V	2	128857-012	1	128622-250
230V	2	128857-015	1	128622-250
380V	2	128857-011	1	128622-250
415V	2	128857-011	1	128622-250
460V	2	128857-011	1	128622-250
575V	2	128857-003	1	128622-250

ITEM 28**PHASE MONITOR (OPTIONAL)**

	<i>QTY</i>	
200V	1	129200-001
230V	1	129200-001
380V	1	129200-003
415V	1	129200-003
460V	1	129200-002
575V	1	128422-003

CONTROL PIPING GROUP (across the line)

141483-001



NOTES-UNLESS OTHERWISE SPECIFIED:
1) ITEM 50 USED ONLY ON UNITS WITH LEAD/LAG OPTION.

CONTROL PIPING GROUP *(across the line)*

141483-001

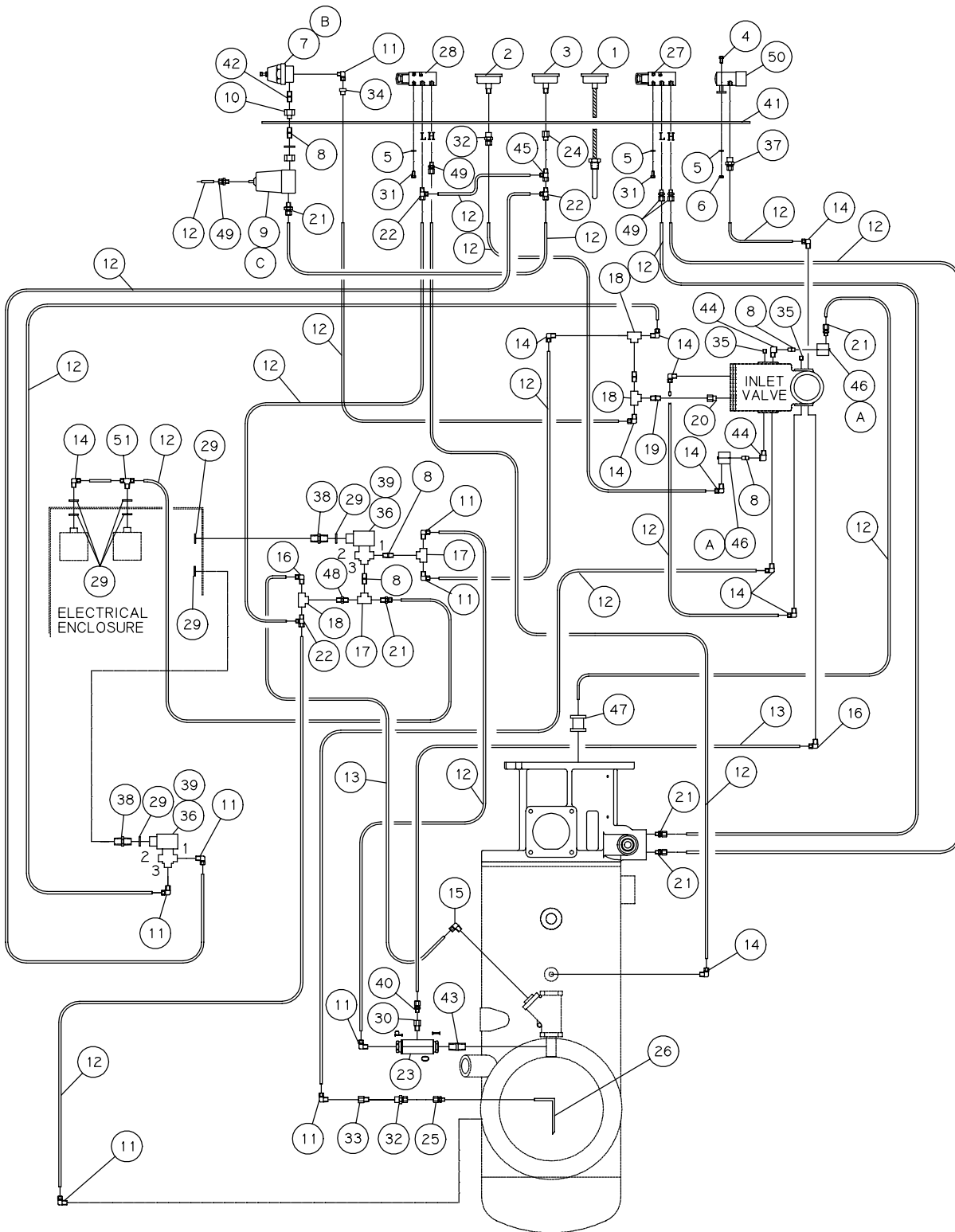
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	140663	GAUGE-THERMAL
2	1	128663	GAUGE-PERCENT CAPACITY
3	1	128662	GAUGE-PRESSURE (0-300 P.S.I.)
4	2	128997	SCREW-SOCKET, 1/4-20 UNC X 0.625
5	4	123115-04C	LOCKWASHER, 1/4
6	2	124364-J02	NUT-HEX, 1/4-20 UNC
7	1	21969-2	VALVE-DIFFERENTIAL PILOT
8	5	142125-3	NIPPLE-PIPE, 1/4 NPT X 1.50, BRASS, EXTRA STRONG
9	1	129731	FILTER-LINE, AUTOMATIC
10	1	129203-003	COUPLING-BULKHEAD
11	7	124349-005	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
12	89 FT	124435-003	TUBING-NYLON, 1/4 O.D.
13	15 FT	124435-004	TUBING-NYLON, 3/8 O.D.
14	9	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
15	1	124349-010	FITTING-ELBOW, 3/8 TUBE X 1/4 NPT
16	1	124349-009	FITTING-ELBOW, 3/8 TUBE X 1/8 NPT
17	2	121034-2	TEE-PIPE, 1/4 NPT, BRASS
18	1	90084	VALVE-SHUTTLE
19	1	142125-13	NIPPLE-PIPE, 1/8 NPT X CLOSE, BRASS, EXTRA STRONG
20	1	121033-1	BUSHING-PIPE, 1/4 NPT X 1/8 NPT, BRASS
21	4	124393-005	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/4 NPT
22	1	124348-002	FITTING-TEE, MALE RUN, 1/4 TUBE X 1/8 NPT
23	1	128826-1	VALVE-BLOWDOWN
24	1	125259-002	FITTING-COUPLING, 1/4 X 1/4, BRASS
25	1	23312	FITTING-STRAIGHT, 1/4 TUBE X 1/4 NPT
26	1	22718-24	TUBE-SEPARATOR DRAIN
27	1	23779-30	INDICATOR-DIFFERENTIAL PRESSURE
28	1	23779-1	INDICATOR-DIFFERENTIAL PRESSURE SEPARATOR
29	4	8052*	LOCKNUT-CONDUIT, 1/2
30	1	140317	GROMMET-RUBBER
31	2	123478-J07	SCREW-HEX, 1/4-20 UNC X 0.50, GRADE 5 (@ 6 FT-LBS)
32	2	124347-004	FITTING-FEMALE CONNECTOR, 1/4 TUBE X 1/4 NPT
33	1	125025	ORIFICE-LINE FILTER (0.040)
34	1	128481-008	BUSHING-NYLON TUBE, 1/2 X 1/4
35	2	121160	PLUG-PIPE, 1/8 NPT
36	1	120496-5	VALVE-SOLENOID, 3-WAY
37	1	124347-003	FITTING-STRAIGHT, 1/4 TUBE X 1/8 NPT
38	1	22455	CONNECTOR-ELECTRICAL, 1/2
39	3	23190-15	TERMINAL-LOCKING FORK #6
40	2	124393-012	FITTING-MALE CONNECTOR, 3/8 TUBE X 1/4 NPT
41	1	141042	DECAL-CONTROL PANEL
42	1	142125-4	NIPPLE-PIPE, 1/4 NPT X 1.75, BRASS, EXTRA STRONG
43	2	122212	ELBOW-PIPE, 1/8 NPT X 1/4, BRASS
44	1	125935-001	NIPPLE-PIPE, 1/2 NPT X CLOSE
45	4	124393-004	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/8 NPT
46	2	122056	VALVE-CAPACITY GAUGE
47	1	124348-003	FITTING-TEE, MALE RUN, 1/4 TUBE X 1/4 NPT
48	1	2951	BUSHING-PIPE, 1/2 NPT X 1/4 NPT
49	1	21312	INDICATOR-FILTER
50	1	1665	FITTING-TEE, MALE BRANCH, 1/4 TUBE X 1/8 NPT

COMPONENT MAINTENANCE PARTS

A	2	123157-008	GASKET-O-RING
B	1	20775	KIT-DIFFERENTIAL PILOT VALVE <i>(includes diaphragm, diaphragm gaskets, seat gasket, seat disk, seat ring)</i>
C	1	129731-050	KIT-LINE FILTER <i>(includes bowl seal, filter element, gasket)</i>

* Quantity of 6 required on units with lead/lag option.
 @ indicates torque value in foot pounds. *(lubricated threads)*

CONTROL PIPING GROUP (wye-delta)
141484-001



NOTES-UNLESS OTHERWISE SPECIFIED:
 1) ITEM 51 USED ONLY ON UNITS WITH LEAD/LAG OPTION.

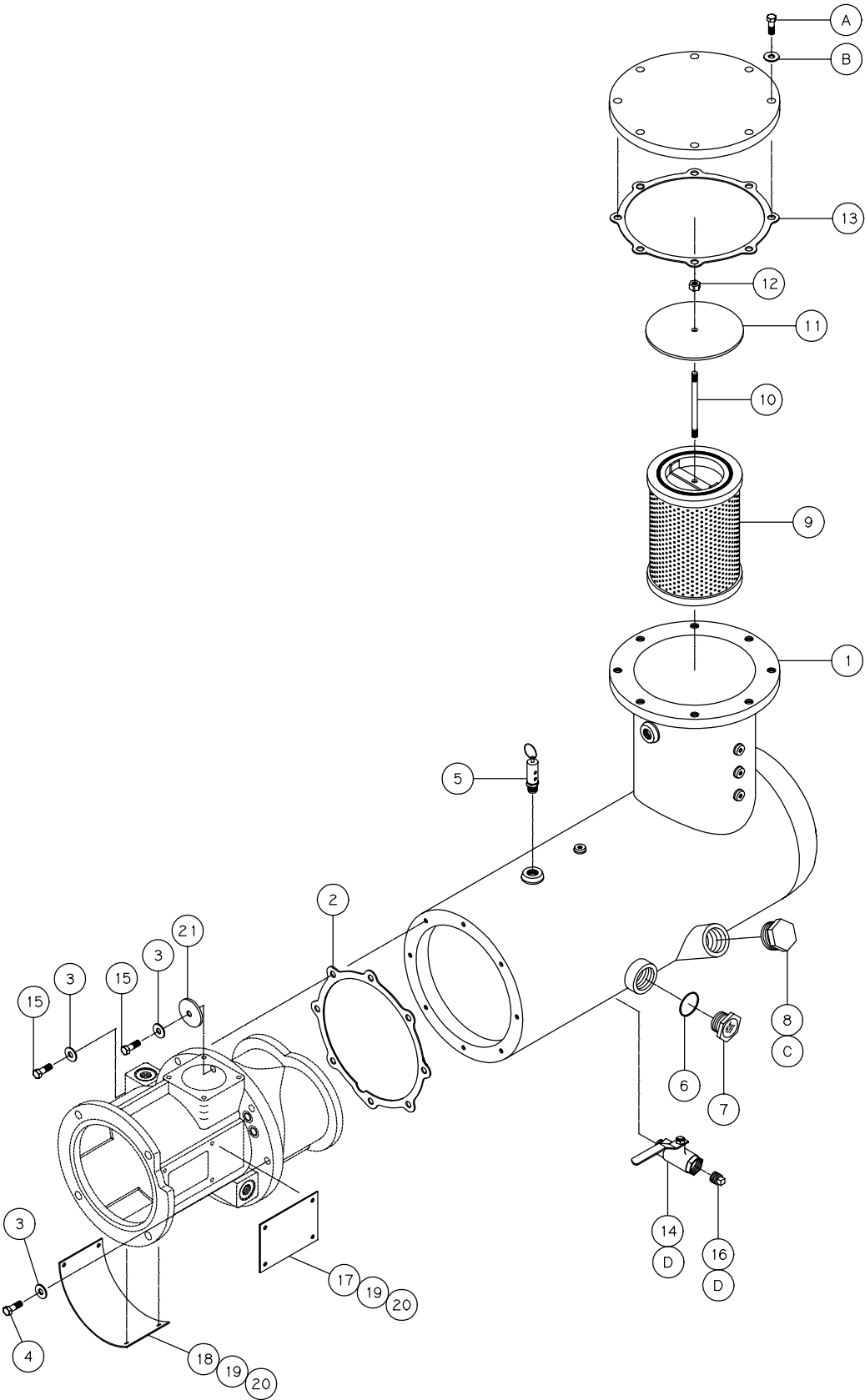
CONTROL PIPING GROUP *(wye-delta)*

141484-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	140663	GAUGE-THERMAL
2	1	128663	GAUGE-PERCENT CAPACITY
3	1	128662	GAUGE-PRESSURE (0-300 P.S.I.)
4	2	128997	SCREW-SOCKET, 1/4-20 UNC X 0.625
5	5	123115-04C	LOCKWASHER, 1/4
6	2	124364-J02	NUT-HEX, 1/4-20 UNC
7	1	21969-2	VALVE-DIFFERENTIAL PILOT
8	4	142125-1	NIPPLE-PIPE, 1/4 NPT X CLOSE, BRASS, EXTRA STRONG
9	1	129731	FILTER-LINE, AUTOMATIC
10	1	129203-003	COUPLING-BULKHEAD
11	8	124349-005	FITTING- ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
12	96 FT	124435-003	TUBING-NYLON, 1/4 O.D.
13	15 FT	124435-004	TUBING-NYLON, 3/8 O.D.
14	10	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
15	1	124349-010	FITTING-ELBOW, 3/8 TUBE X 1/4 NPT
16	2	124349-009	FITTING-ELBOW, 3/8 TUBE X 1/8 NPT
17	2	121034-2	TEE-PIPE, 1/4 NPT, BRASS
18	3	90084	VALVE-SHUTTLE
19	1	142125-13	NIPPLE-PIPE, 1/8 NPT X CLOSE, BRASS, EXTRA STRONG
20	1	121033-1	BUSHING-PIPE, 1/4 NPT X 1/8 NPT, BRASS
21	5	124393-005	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/4 NPT
22	3	124348-002	FITTING-TEE, MALE RUN, 1/4 TUBE X 1/8 NPT
23	1	128826-1	VALVE-BLOWDOWN
24	1	125260-001	REDUCER-PIPE, 1/4 NPT X 1/8 NPT, BRASS
25	1	23312	FITTING-STRAIGHT, 1/4 TUBE X 1/4 NPT
26	1	22718-24	TUBE-SEPARATOR DRAIN
27	1	23779-30	INDICATOR-DIFFERENTIAL PRESSURE
28	1	23779-1	INDICATOR-DIFFERENTIAL PRESSURE SEPARATOR
29	6	8052*	LOCKNUT-CONDUIT, 1/2
30	1	2951	BUSHING-PIPE, 1/2 NPT X 1/4 NPT
31	2	123478-J07	SCREW-HEX, 1/4-20 UNC X 0.50, GRADE 5 (@ 6 FT-LBS)
32	2	124347-004	FITTING-FEMALE CONNECTOR, 1/4 TUBE X 1/4 NPT
33	1	125025	ORIFICE-LINE FILTER (0.040)
34	1	128481-008	BUSHING-NYLON TUBE, 1/2 X 1/4
35	2	121160	PLUG-PIPE, 1/8 NPT
36	2	120496-5	VALVE-SOLENOID, 3-WAY
37	1	125935-001	NIPPLE-PIPE, 1/2 NPT X CLOSE
38	2	22455	CONNECTOR-ELECTRICAL, 1/2
39	4	23190-15	TERMINAL-LOCKING FORK #6
40	1	124393-012	FITTING-MALE CONNECTOR, 3/8 TUBE X 1/4 NPT
41	1	141042	DECAL-CONTROL PANEL
42	1	142125-4	NIPPLE-PIPE, 1/4 NPT X 1.75, BRASS, EXTRA STRONG
43	1	125935-001	NIPPLE-PIPE, 1/2 NPT X CLOSE
44	2	122212	ELBOW-PIPE, 1/8 NPT X 1/4, BRASS
45	1	124348-003	FITTING-TEE, MALE RUN, 1/4 TUBE X 1/4 NPT
46	2	122056	VALVE-CAPACITY GAUGE
47	1	140317	GROMMET-RUBBER
48	1	111098-002	NIPPLE-1/8 NPT X 1/4 NPT, CLOSE, BRASS TBE
49	4	124393-004	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/8 NPT
50	1	21312	INDICATOR-FILTER
51	1	1665	FITTING-TEE, MALE BRANCH, 1/4 TUBE X 1/8 NPT
COMPONENT MAINTENANCE PARTS			
A	2	123157-008	GASKET-O-RING
B	1	20775	KIT-DIFFERENTIAL PILOT VALVE <i>(includes diaphragm, diaphragm gaskets, seat gasket, seat disk, seat ring)</i>
C	1	129731-050	KIT-LINE FILTER <i>(includes bowl seal, filter element, gasket)</i>

* Quantity of 8 required on units with lead/lag option.
 @ indicates torque value in foot pounds. (**lubricated threads**)

SEPARATOR/RESERVOIR GROUP

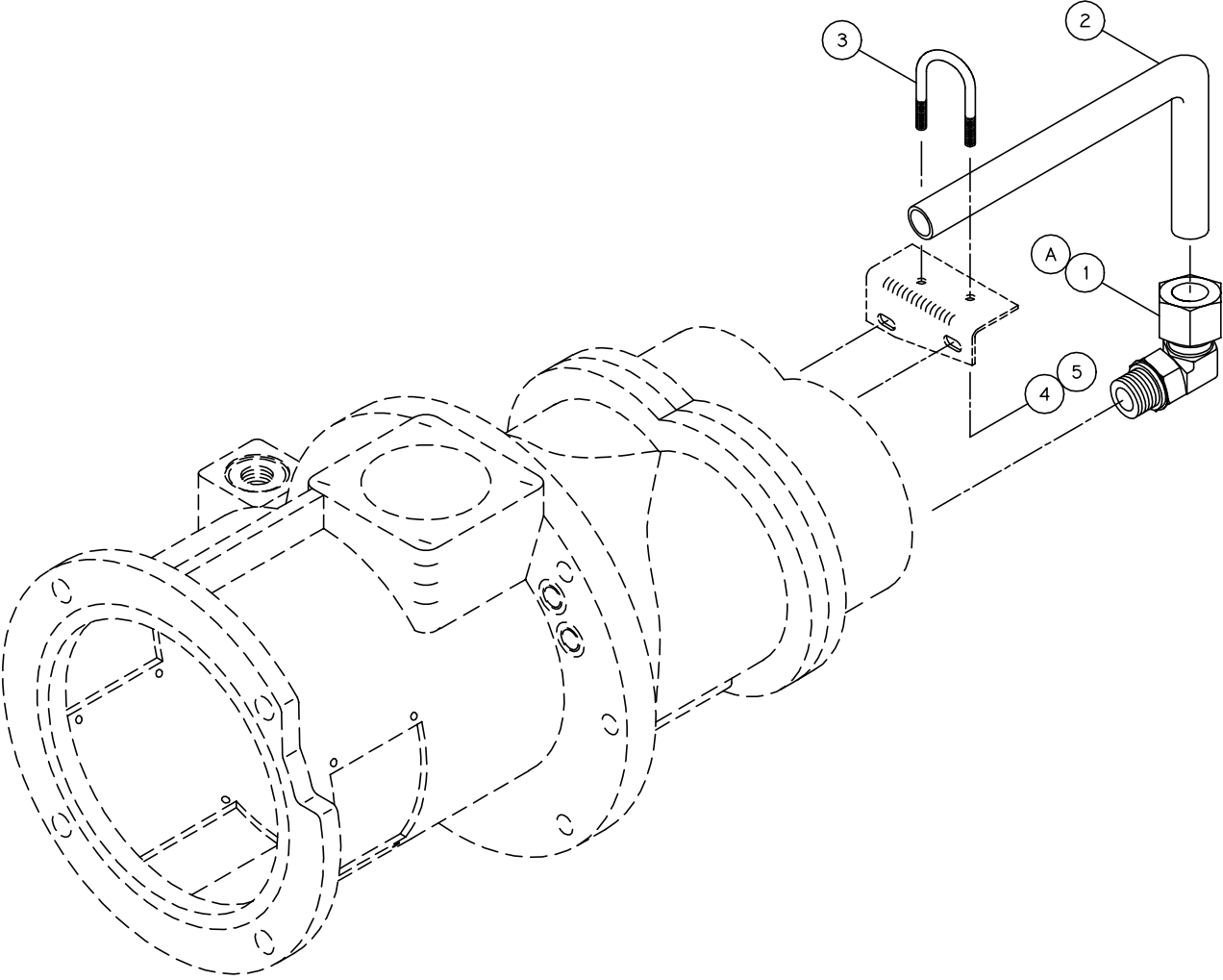


SEPARATOR/RESERVOIR GROUP

ITEM NUMBER	QTY.	PART NUMBER	PART NUMBER	DESCRIPTION
		141325-001 50HP/60HP	141325-002 50H HP	
1	1	141197	←	RESERVOIR-AIR/FLUID
2	1	126873-001	←	GASKET-RESERVOIR
3	8	123115-08C	←	LOCKWASHER, 1/2
4	5	90386-N18	←	SCREW-COUNTERBORE, 1/2-13UNC X 2.25, GRADE 8 (@ 80 FT-LBS)
5	1	141478-165	141478-175	VALVE-SAFETY
6	1	140406-924	←	O-RING, VITON
7	1	129843-188	←	SIGHT GLASS
8	1	129844-162	←	CAP-FILLER, SAE O-RING
9	1	127631-001	←	SEPARATOR
10	1	127387-001	←	ROD-SEPARATOR RETAINER
11	1	127630	←	RETAINER-SEPARATOR
12	1	140121-005	←	LOCKNUT, 1/2-13 UNC (@ 85 IN-LBS)
13	1	128341	←	GASKET-RESERVOIR TOP PLATE
14	1	129730-050	←	VALVE-QUARTER TURN, SAE O-RING
15	3	90386-N27	←	SCREW-COUNTERBORE, 1/2-13UNC X 5.00, GRADE 8 (@ 80 FT-LBS)
16	1	128883-075	←	PLUG-PIPE, 3/4, SAE O-RING
17	1	141461	←	GUARD-COUPLING
18	1	141467	←	GUARD-COUPLING
19	8	110428W031	←	FLATWASHER, 5/16
20	8	90386-K10	←	SCREW-CAP, 5/16-18 UNC X 0.75, GRADE 5 (@ 13 FT-LBS)
21	1	110428W050	←	FLATWASHER, 1/2
COMPONENT MAINTENANCE PARTS				
A	8	123478-Q17	←	SCREW-HEX, 5/8-11 UNC X 2.00, GRADE 5 (@ 110 FT-LBS)
B	8	123115-10C	←	LOCKWASHER, 5/8
C	1	140406-920	←	O-RING, VITON
D	2	140406-908	←	O-RING, VITON

@ indicates torque value in foot pounds. (*lubricated threads*)

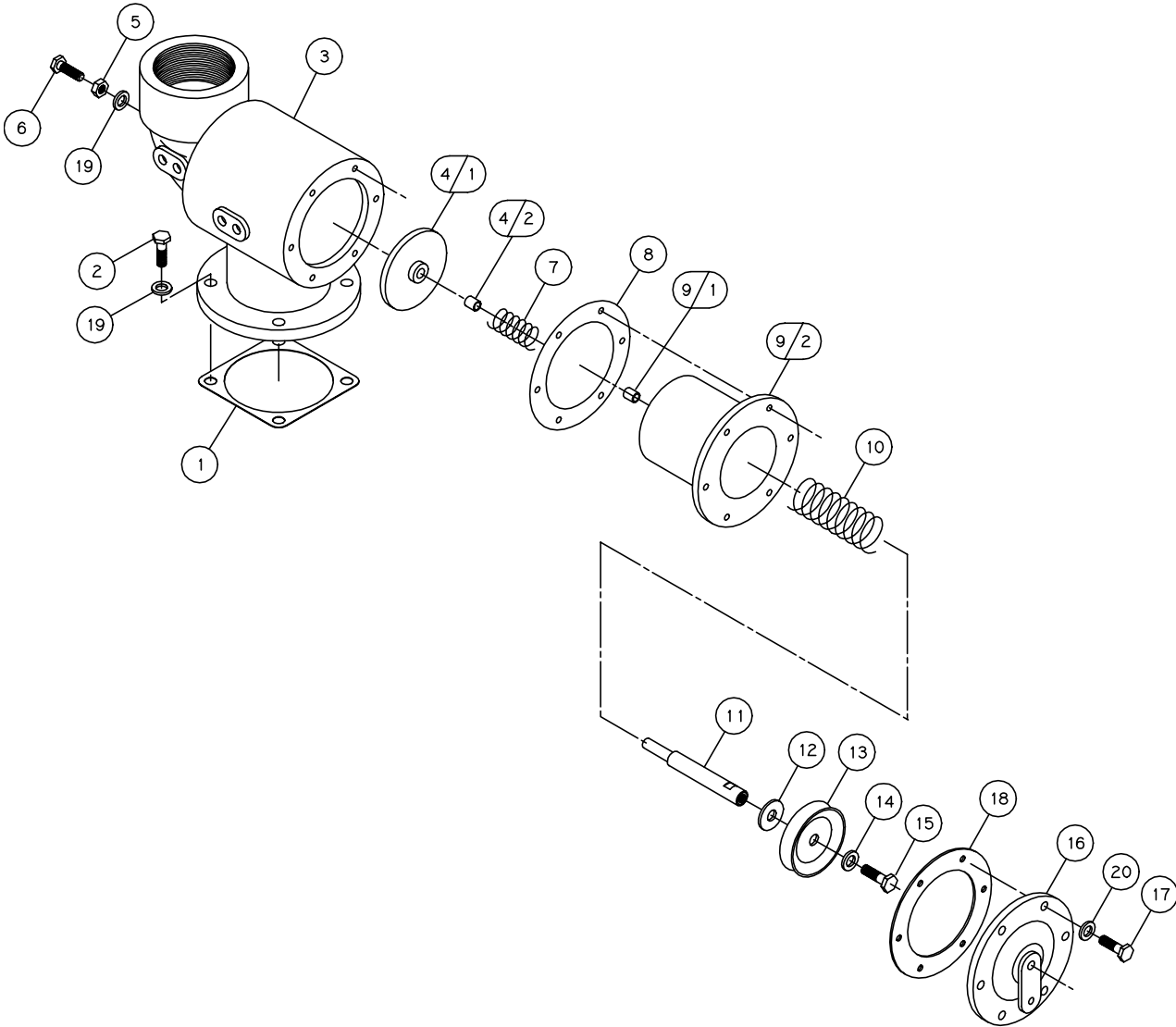
DISCHARGE PIPING GROUP
141462-001



DISCHARGE PIPING GROUP
141462-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	140676-024	FITTING-ELBOW, 1-1/2 TUBE X 1-7/8, SAE O-RING
2	1	121918-148	TUBE-FORMED, 1-1/2 O.D.
3	1	21094	U-BOLT, 1/4-20 UNC
4	2	123115-04C	LOCKWASHER, 1/4
5	2	124364-J02	NUT-HEX, 1/4-20 UNC
<u>COMPONENT MAINTENANCE PARTS</u>			
A	1	140406-924	O-RING, VITON

INLET VALVE GROUP
126650-003

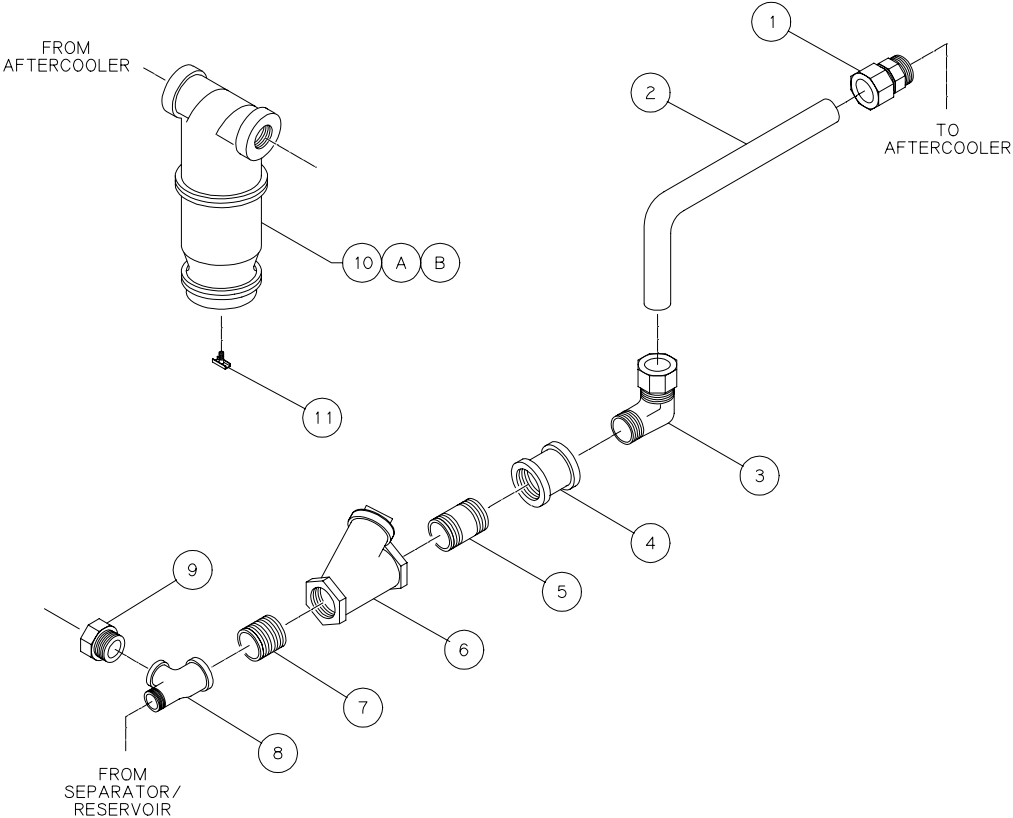


INLET VALVE GROUP
126650-003

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	141608	GASKET-INLET VALVE
2	4	123478-N15	SCREW-HEX, 1/2-13 UNC X 1.50, GRADE 5 (@ 55 FT-LBS)
3	1	126646	HOUSING-INLET VALVE
4	1	122995	ASSEMBLY-PLATE, INLET VALVE
4/1	1	109513-256	PLATE-INLET VALVE
4/2	1	23681	BUSHING-PLATE, INLET VALVE
5	1	124368-N02	JAMNUT-1/2-13 UNC
6	1	128720-001	SCREW-HEX, 1/2-13 UNC X 5.00
7	1	123092	SPRING
8	1	123549-003	GASKET
9	1	126644	ASSEMBLY-CYLINDER, INLET VALVE
9/1	1	22880	BUSHING-CYLINDER, INLET VALVE
9/2	1	127844	CYLINDER-INLET VALVE
10	1	126649	SPRING-INLET VALVE
11	1	126648	SHAFT-INLET VALVE
12	1	126647	FLATWASHER, 1/2, SPECIAL
13	1	126460-350	CUP-PISTON
14	1	1478-1	FLATWASHER, SPECIAL
15	1	123478-N12	SCREW-HEX, 1/2-13 UNC X 1.00, GRADE 5 (@ 55 FT-LBS)
16	1	126645	PLATE-COVER
17	6	123478-L15	SCREW-HEX, 3/8-16 UNC X 1.50, GRADE 5 (@ 23 FT-LBS)
18	1	141258	GASKET-INLET VALVE
19	5	123115-08C	LOCKWASHER, 1/2
20	6	123115-06C	LOCKWASHER, 3/8

@ indicates torque value in foot pounds. (*lubricated threads*)

**AIR PIPING GROUP (air-cooled, across the line)
129480-001 (with aftercooler)**



NOTES-UNLESS OTHERWISE SPECIFIED:
1) ITEMS 10 AND 11 ARE TO BE SHIPPED LOOSE
AND MOUNTED BY CUSTOMER.

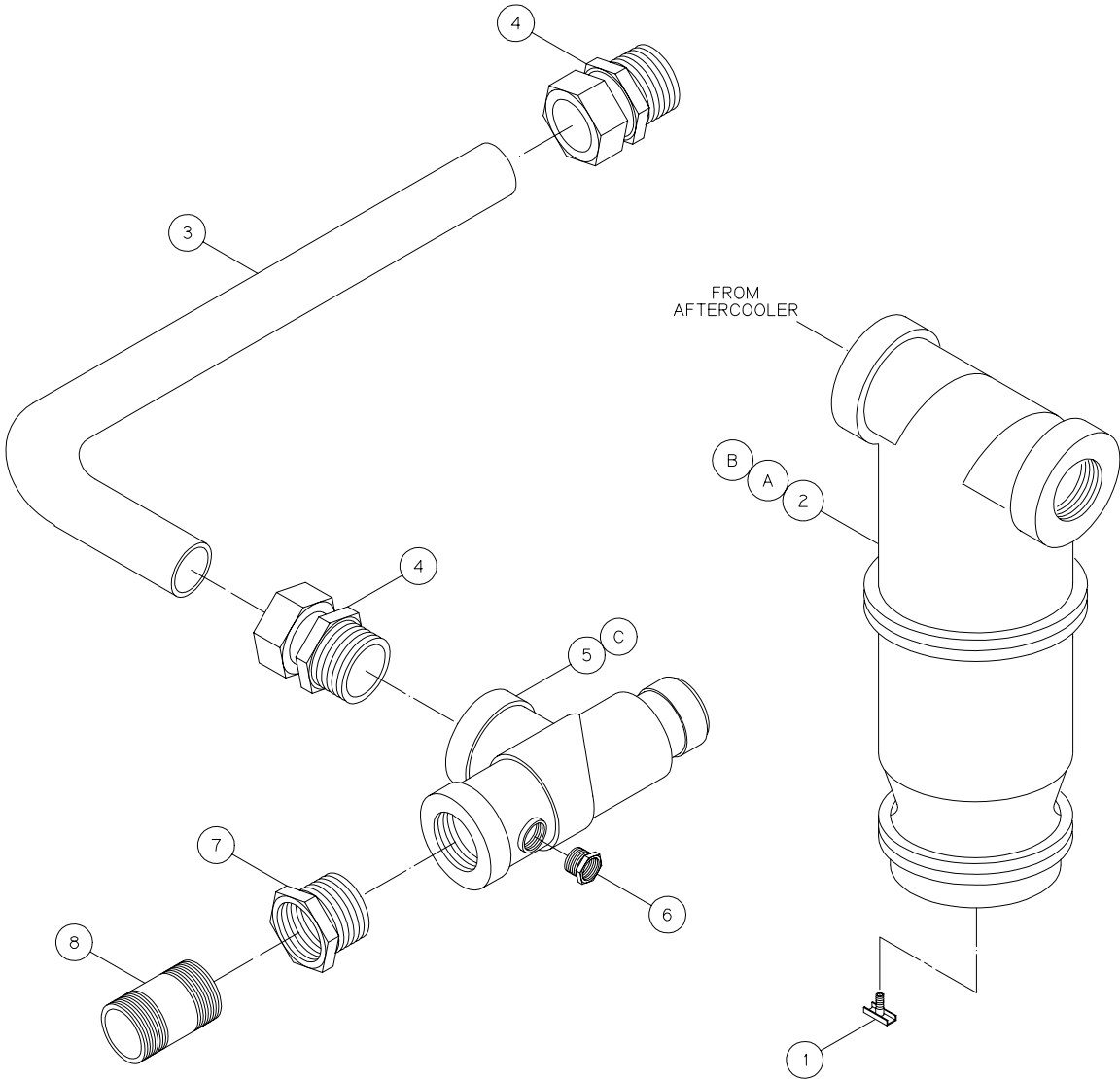
**AIR PIPING GROUP (air-cooled, across the line)
129480-001 (with aftercooler)**

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	23240	FITTING-MALE CONNECTOR, 1-1/2 TUBE X 1-1/2 NPT
2	1	122611	TUBE-FORMED, 1-1/2 O.D.
3	1	110419-023	FITTING-ELBOW, 90° MALE, 1-1/2 TUBE X 1-1/2 NPT
4	1	23242	COUPLING-PIPE, REDUCING 1-1/2 NPT X 1-1/4 NPT
5	1	122211-12	ORIFICE-NOZZLE
6	1	125039-001	VALVE-CHECK, 1-1/4 NPT
7	1	125938-001	NIPPLE-PIPE, 1-1/4 NPT X CLOSE
8	1	7590	TEE-PIPE, 1-1/4 NPT X 1-1/4 NPT X 1-1/4 NPT
9	1	2753	BUSHING-PIPE, 1-1/4 NPT X 1/2 NPT
10	1	124827-150	SEPARATOR-MOISTURE
11	1	2713	DRAINCOCK-1/4 NPT

COMPONENT MAINTENANCE PARTS

A	1	124827-052	KIT-MOISTURE SEPARATOR (<i>includes item B</i>)
B	1	124827-051	GASKET

AIR PIPING GROUP (air-cooled, wye-delta)
129399-001 (with aftercooler)



NOTE-UNLESS OTHERWISE SPECIFIED:
1) ITEMS 1 AND 2 TO BE SHIPPED LOOSE AND MOUNTED BY CUSTOMER.

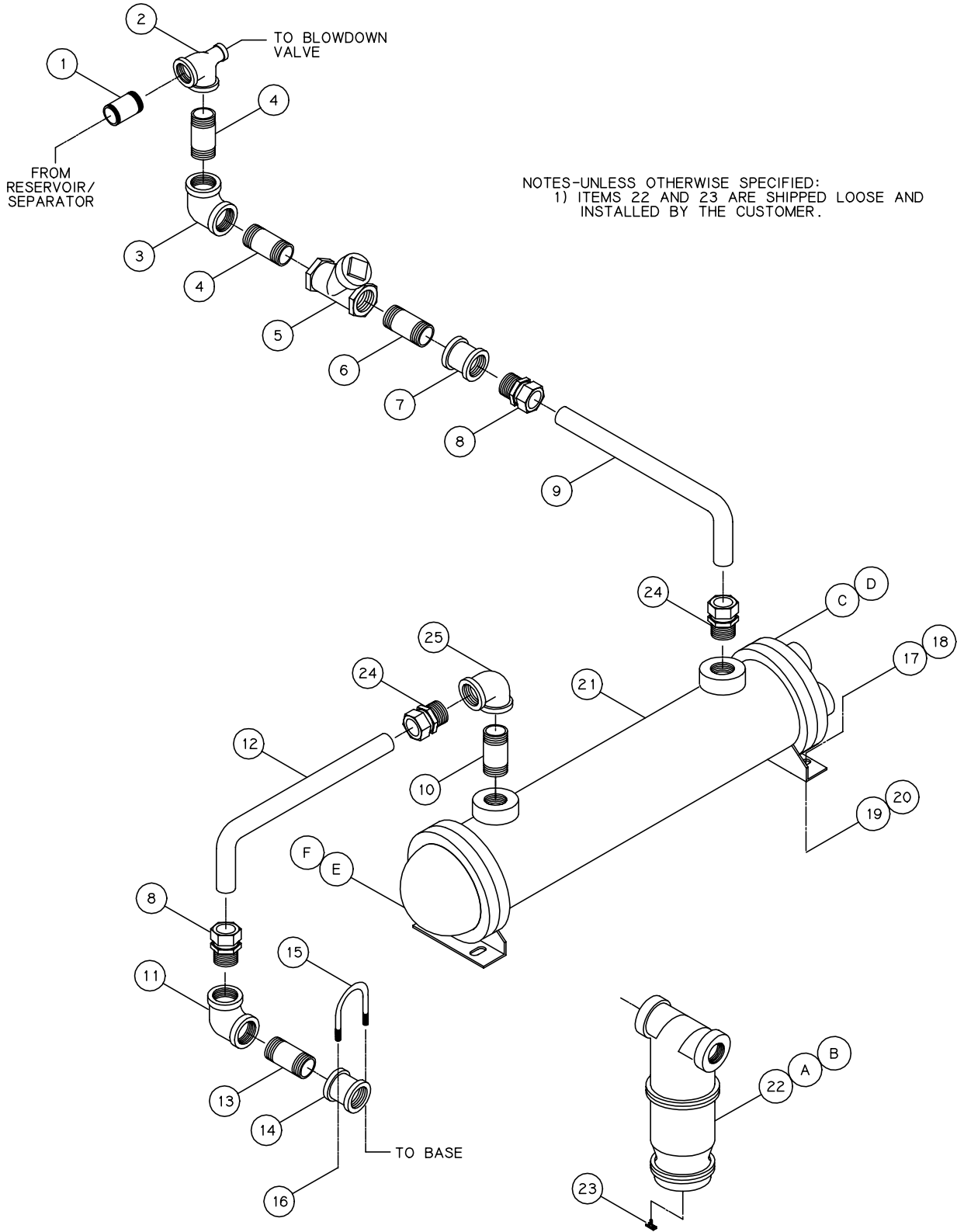
AIR PIPING GROUP (air-cooled, wye-delta)
129399-001 (with aftercooler)

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	2713	DRAINCOCK-1/4 NPT
2	1	124827-150	SEPARATOR-MOISTURE
3	1	121918-050	TUBE-FORMED, 1-1/2 O.D.
4	2	23240	FITTING-MALE CONNECTOR, 1-1/2 TUBE X 1-1/2 NPT
5	1	128691-001	VALVE-CHECK, MINIMUM PRESSURE
6	1	3139	BUSHING-PIPE, 3/4 NPT X 1/2 NPT
7	1	4665	BUSHING-PIPE, 1-1/2 NPT X 1-1/4 NPT
8	1	125938-001	NIPPLE-PIPE, 1-1/4 NPT X CLOSE

COMPONENT MAINTENANCE PARTS

A	1	124827-052	KIT-MOISTURE SEPARATOR (<i>includes item B</i>)
B	1	124827-051	GASKET
C	1	128691-051	KIT-MINIMUM PRESSURE CHECK VALVE

AIR PIPING GROUP (water-cooled, across the line)
127633-003 (with aftercooler)



**AIR PIPING GROUP (water-cooled, across the line)
127633-003 (with aftercooler)**

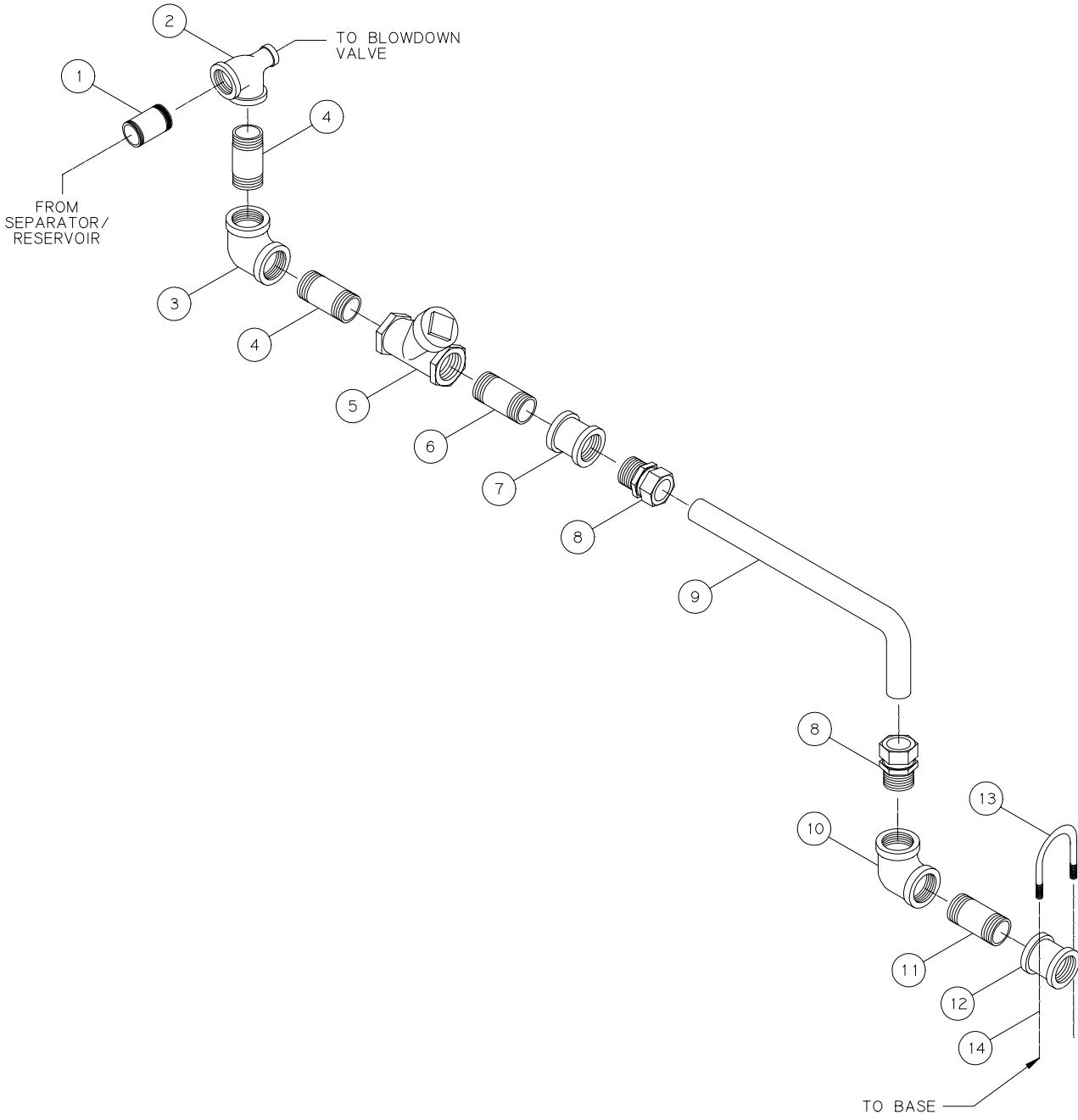
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	125938-018	NIPPLE-PIPE, 1-1/4 NPT X 3.00
2	1	21741	TEE-PIPE, 1-1/4 NPT X 1/2 NPT X 1-1/4 NPT
3	1	4715	ELBOW-PIPE, 1-1/4 NPT
4	2	125938-001	NIPPLE-PIPE, 1-1/4 NPT X CLOSE
5	1	125039-001	VALVE-CHECK, 1-1/4 NPT
6	1	122211-12	ORIFICE-NOZZLE
7	1	23242	COUPLING-PIPE, REDUCING, 1-1/2 NPT X 1-1/4 NPT
8	2	23240	FITTING-MALE CONNECTOR, 1-1/2 TUBE X 1-1/2 NPT
9	1	121918-010	TUBE-FORMED, 1-1/2 O.D.
10	1	125940-014	NIPPLE-PIPE, 2.00 NPT X 2.50
11	1	4718	ELBOW-PIPE, 1-1/2 NPT
12	1	120443-001	TUBE-FORMED, 1-1/2 O.D.
13	1	125939-001	NIPPLE-PIPE, 1-1/2 NPT X CLOSE
14	1	6412	COUPLING-PIPE, 1-1/2 NPT
15	1	120806	U-BOLT, 5/16-18 UNC
16	2	123115-05C	LOCKWASHER, 5/16
17	4	123478-L12	SCREW-HEX, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)
18	4	110428W038	FLATWASHER, 3/8
19	4	123115-06C	LOCKWASHER, 3/8
20	4	124364-L02	NUT-HEX, 3/8-16 UNC
21	1	22709-18	HEAT EXCHANGER-AFTERCOOLER
22	1	124827-150	SEPARATOR-MOISTURE
23	1	2713	DRAINCOCK, 1/4 NPT
24	2	125041-009	FITTING-STRAIGHT MALE, 1-1/2 TUBE X 2.00 NPT
25	1	4463	ELBOW-PIPE, 2.00 NPT

COMPONENT MAINTENANCE PARTS

A	1	124827-052	KIT-MOISTURE SEPARATOR (<i>includes item B</i>)
B	1	124827-051	GASKET
C	1	22709-727	GASKET-COOLER, IN/OUT END
D	1	22709-725	BONNET-COOLER, IN/OUT END
E	1	22709-728	GASKET-COOLER, RETURN END
F	1	22709-726	BONNET-COOLER, RETURN END

@ indicates torque value in foot pounds. (*lubricated threads*)

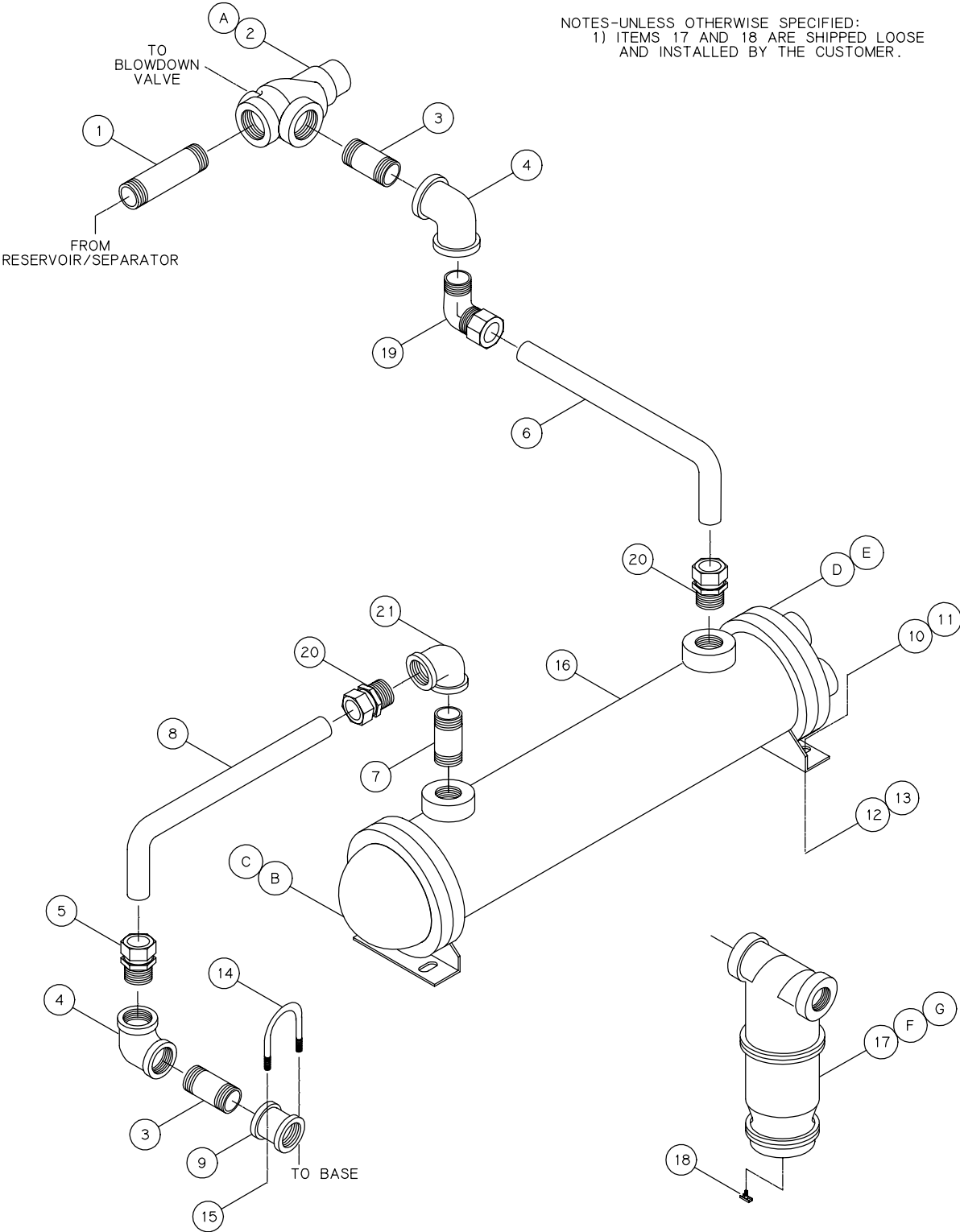
AIR PIPING GROUP (water-cooled, across the line)
128692-002 (less aftercooler)



**AIR PIPING GROUP (water-cooled, across the line)
128692-002 (less aftercooler)**

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	125938-018	NIPPLE-PIPE, 1-1/4 NPT X 3.00
2	1	21741	TEE-PIPE, 1-1/4 NPT X 1/2 NPT X 1-1/4 NPT
3	1	4715	ELBOW-PIPE, 1-1/4 NPT
4	2	125938-001	NIPPLE-PIPE, 1-1/4 NPT X CLOSE
5	1	125039-001	VALVE-CHECK, 1-1/4 NPT
6	1	122211-12	ORIFICE-NOZZLE
7	1	23242	COUPLING-PIPE, REDUCING, 1-1/2 NPT X 1-1/4 NPT
8	2	23240	FITTING-MALE CONNECTOR, 1-1/2 TUBE X 1-1/2 NPT
9	1	121918-010	TUBE-FORMED, 1-1/2 O.D.
10	1	4718	ELBOW-PIPE, 1-1/2 NPT
11	1	125939-001	NIPPLE-PIPE, 1-1/2 NPT X CLOSE
12	1	6412	COUPLING-PIPE, 1-1/2 NPT
13	1	120806	U-BOLT, 5/16-18 UNC
14	2	123115-05C	LOCKWASHER, 5/16

AIR PIPING GROUP (water-cooled, wye-delta)
127627-003 (with aftercooler)



**AIR PIPING GROUP (water-cooled, wye-delta)
127627-003 (with aftercooler)**

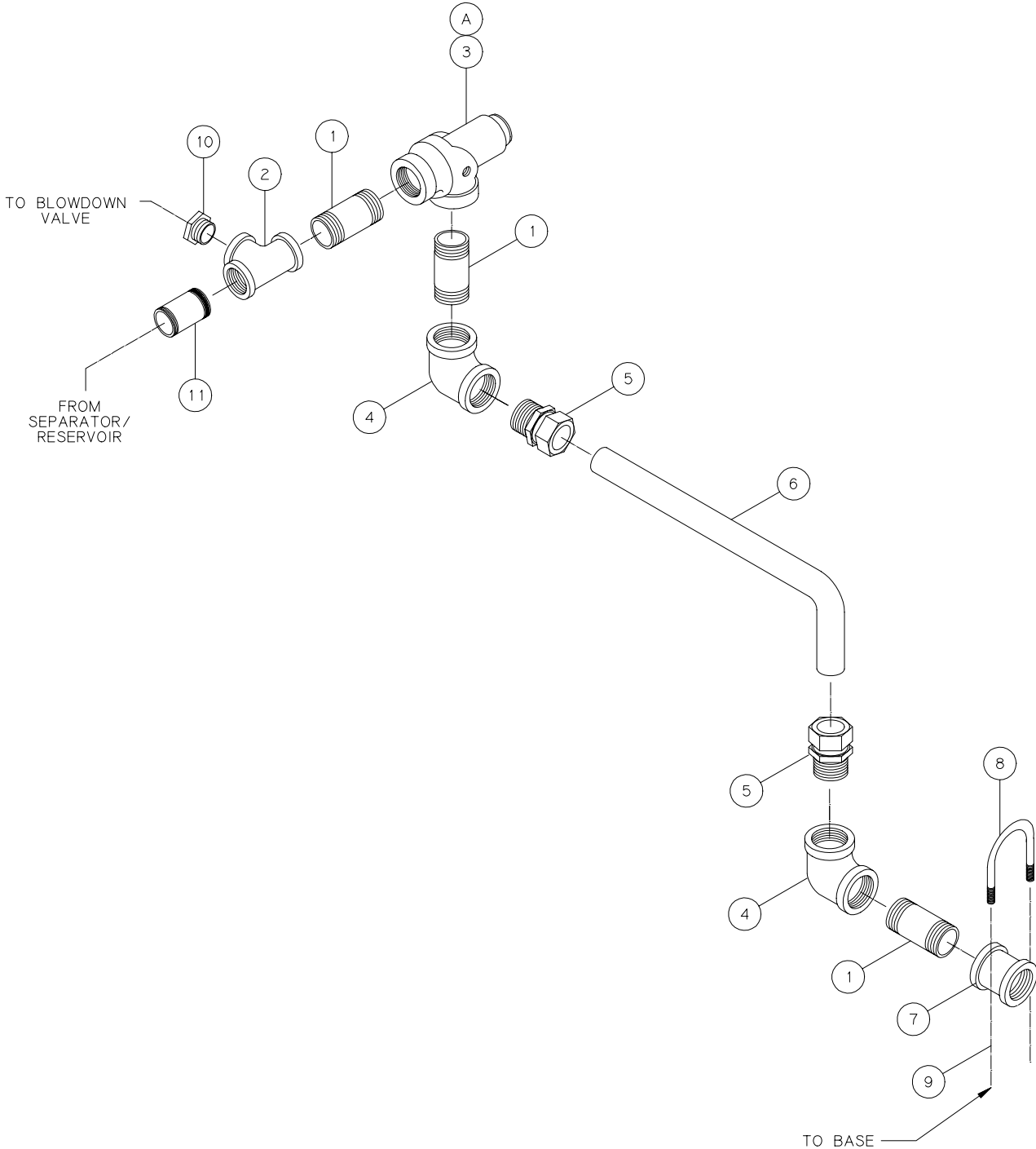
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	125939-022	NIPPLE-PIPE, 1-1/2 NPT X 3.50
2	1	128691-001	VALVE-CHECK, MINIMUM PRESSURE
3	2	125939-001	NIPPLE-PIPE, 1-1/2 NPT X CLOSE
4	2	4718	ELBOW-PIPE, 1-1/2 NPT
5	1	23240	FITTING-MALE CONNECTOR, 1-1/2 TUBE X 1-1/2 NPT
6	1	121918-010	TUBE-FORMED, 1-1/2 O.D.
7	1	125940-014	NIPPLE-PIPE, 2.00 NPT X 2.50
8	1	120443-001	TUBE-FORMED, 1-1/2 O.D.
9	1	6412	COUPLING-PIPE, 1-1/2 NPT
10	4	123478-L12	SCREW-HEX, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)
11	4	123115-06C	LOCKWASHER, 3/8
12	4	110428W038	FLATWASHER, 3/8
13	4	124364-L02	NUT-HEX, 3/8-16 UNC
14	1	120806	U-BOLT, 5/16-18 UNC
15	2	123115-05C	LOCKWASHER, 5/16
16	1	22709-18	HEAT EXCHANGER-AFTERCOOLER
17	1	124827-150	SEPARATOR-MOISTURE
18	1	2713	DRAINCOCK-1/4 NPT
19	1	110419-023	FITTING-ELBOW, 90° MALE, 1-1/2 TUBE X 1-1/2 NPT
20	2	125041-009	FITTING-STRAIGHT MALE, 1-1/2 TUBE X 2.00 NPT
21	1	4463	ELBOW-PIPE, 2.00 NPT

COMPONENT MAINTENANCE PARTS

A	1	128691-051	KIT-MINIMUM PRESSURE CHECK VALVE
B	1	22709-728	GASKET-COOLER, RETURN END
C	1	22709-726	BONNET-COOLER, RETURN END
D	1	22709-727	GASKET-COOLER, IN/OUT END
E	1	22709-725	BONNET-COOLER, IN/OUT END
F	1	124827-052	KIT-MOISTURE SEPARATOR (<i>includes item G</i>)
G	1	124827-051	GASKET

@ indicates torque value in foot pounds. (*lubricated threads*)

AIR PIPING GROUP (water-cooled, wye-delta)
128696-002 (less aftercooler)



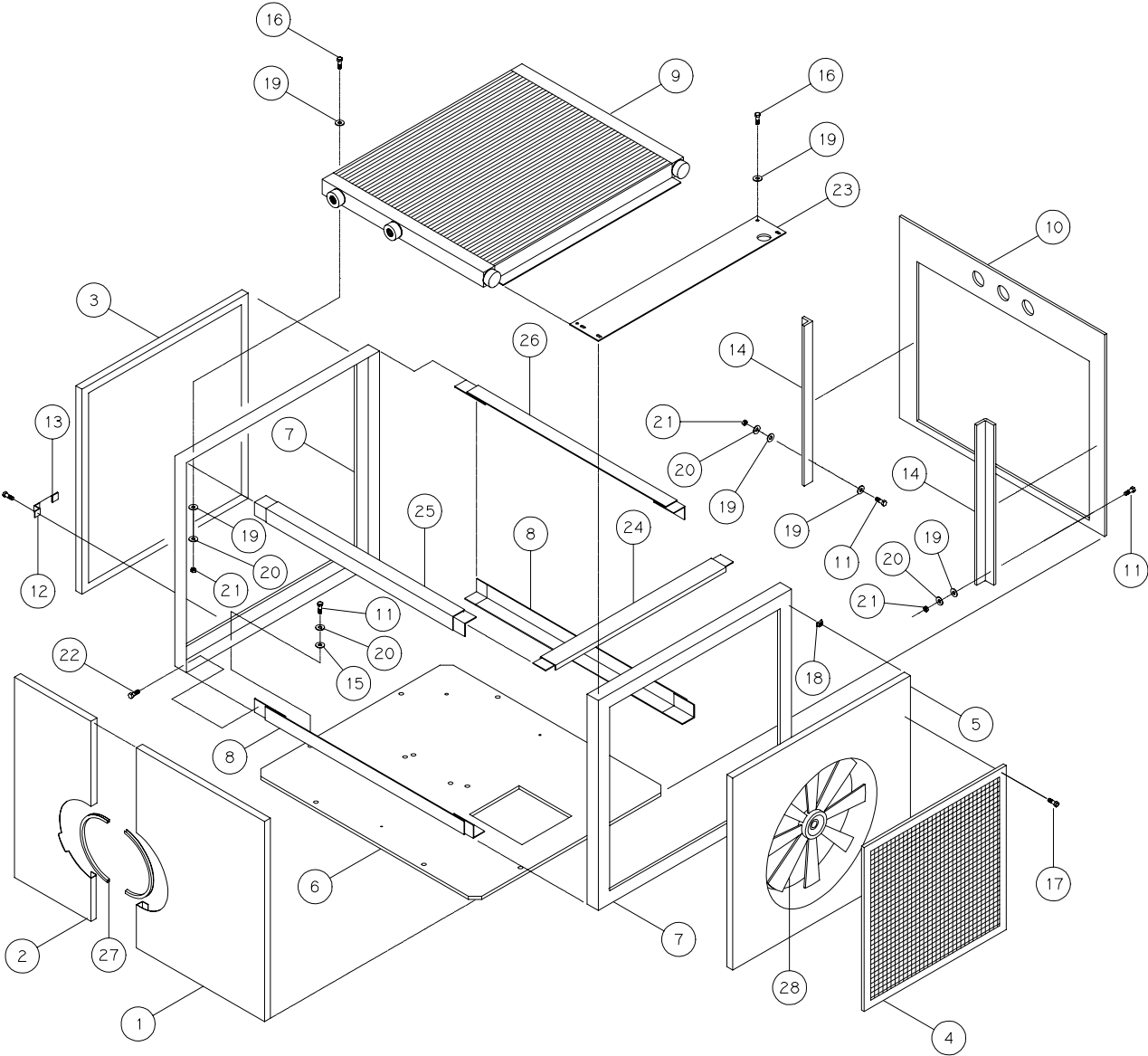
AIR PIPING GROUP (water-cooled, wye-delta)
128696-002 (less aftercooler)

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	3	125939-001	NIPPLE-PIPE, 1-1/2 NPT X CLOSE
2	1	23716	TEE-PIPE, 1-1/2 NPT X 1-1/4 NPT X 1-1/4 NPT
3	1	128691-001	VALVE-CHECK, MINIMUM PRESSURE
4	2	4718	ELBOW-PIPE, 1-1/2 NPT
5	2	23240	FITTING-MALE CONNECTOR, 1-1/2 TUBE X 1-1/2 NPT
6	1	121918-010	TUBE-FORMED, 1-1/2 O.D.
7	1	6412	COUPLING-PIPE, 1-1/2 NPT
8	1	120806	U-BOLT, 5/16-18 UNC
9	2	123115-05C	LOCKWASHER, 5/16
10	1	2753	BUSHING-PIPE, 1-1/4 NPT X 1/2 NPT
11	1	125938-001	NIPPLE-PIPE, 1-1/4 NPT X CLOSE

COMPONENT MAINTENANCE PARTS

A	1	128691-051	KIT-MINIMUM PRESSURE CHECK VALVE
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COOLER/CABINET GROUP (air-cooled)
(standard cabinet)

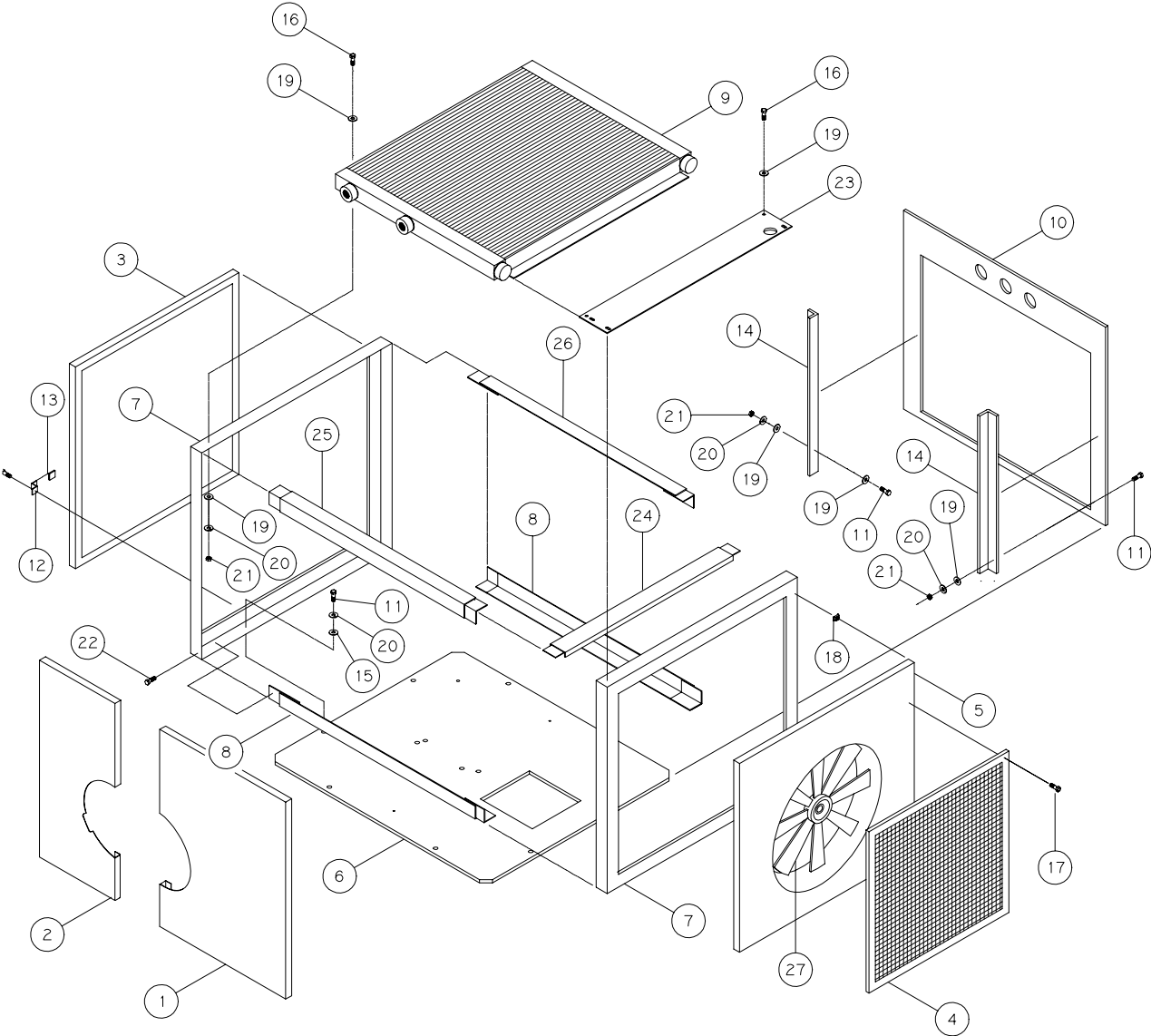


COOLER/CABINET GROUP (air-cooled)
(standard cabinet)

ITEM NUMBER	QTY.	PART NUMBER	PART NUMBER	DESCRIPTION
		141051-001	141051-002	
		DOWN FRAME	FULL FRAME	
		MOTOR	MOTOR	
1	1	126776	126776-1	PANEL-SIDE
2	1	126777	126777-1	PANEL-SIDE
3	1	126281-019	618297-2	PANEL-SIDE
4	1	126898	←	GUARD-FAN
5	1	126780	←	PANEL-VENTURI
6	1	126572	126572-1	PLATE-BOTTOM
7	2	126577-001	←	FRAME-CABINET SIDE
8	2	126575	←	BRACE-CABINET
9	1	129067-1	←	COOLER-FLUID
10	1	141043	←	PLATE-CONTROL, MOUNT
11	16	142578-K10	←	SCREW-CAP, 5/16-18 UNC X 0.75, ZINC, GRADE 5 (@ 13 FT-LBS)
12	23	120972	←	CLIP-END, PANEL
13	23	122259	←	CAP-CABINET RETAINER CLIP
14	2	126596	←	SUPPORT-CONTROL MOUNTING PLATE
15	14	110428W038	←	WASHER-FLAT, 3/8
16	6	142578-K12	←	SCREW-CAP, 5/16-18 UNC X 1.00, ZINC, GRADE 5 (@ 13 FT-LBS)
17	27	122151	←	SCREW-HEX, 1/4-20 UNC X 0.62, GRADE 5 (@ 6 FT-LBS)
18	23	22456Z	←	NUT-SPEED, GRIP, 1/4-20 UNC, ZINC
19	22	110428W031	←	WASHER-FLAT, 5/16
20	22	123115-05Z	←	LOCKWASHER, 5/16, ZINC
21	17	7612	←	NUT-HEX, 5/16-18 UNC, ZINC
22	36	128705-I10	←	SCREW-SELF-DRILLING, #14 X 0.75, ZINC
23	1	129141	←	PANEL-COVER
24	1	126576-1	←	BRACE-COOLER
25	1	126574-001	←	BRACE-CABINET
26	1	126574	←	BRACE-CABINET
27	4.0 FT	20579	←	DAMPENER-VIBRATION
28	1	126511-005	←	FAN

@ indicates torque value in foot pounds. (lubricated threads)

COOLER/CABINET GROUP (air-cooled)
(totally enclosed cabinet)

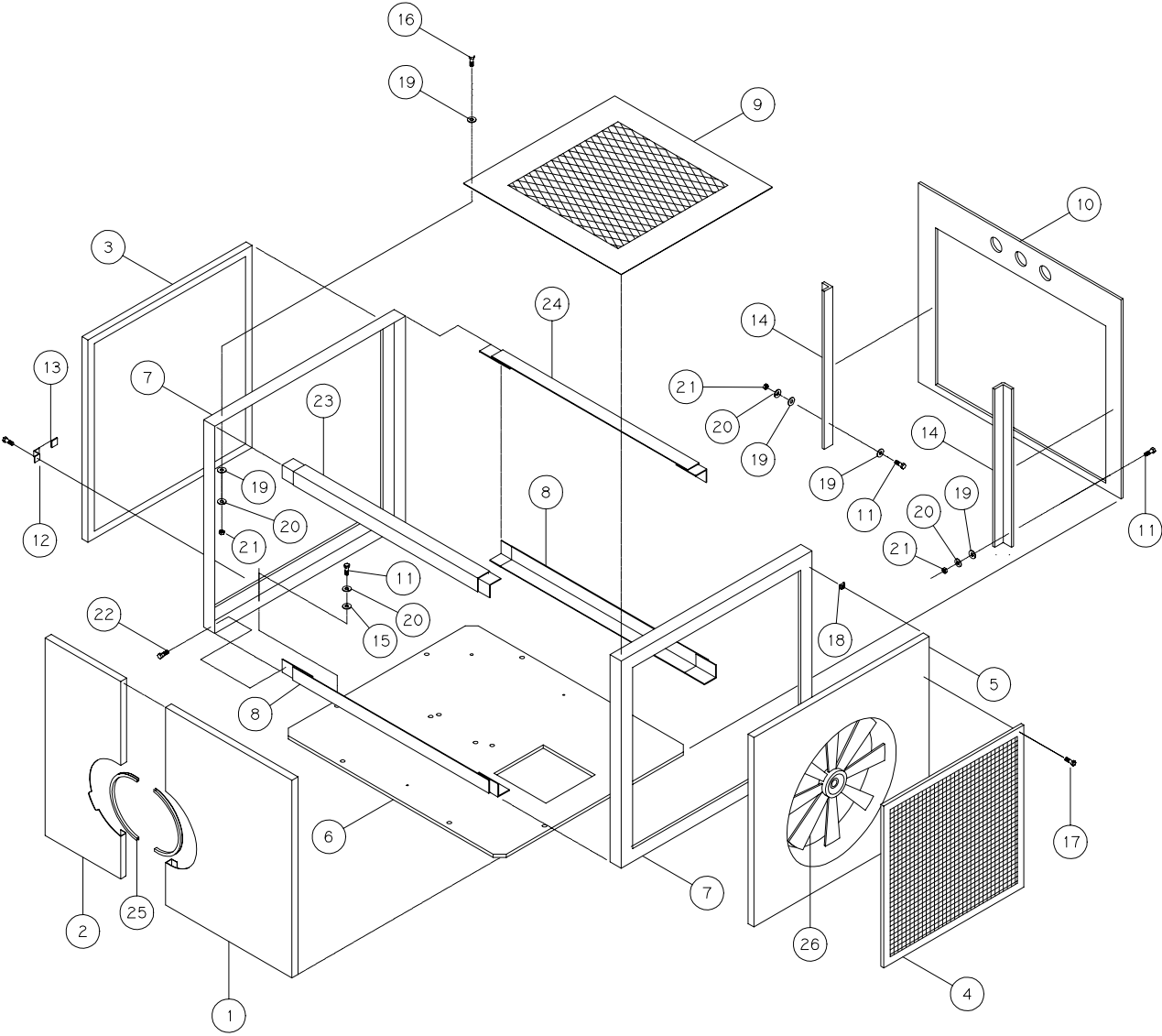


COOLER/CABINET GROUP (air-cooled)
(totally enclosed cabinet)

ITEM NUMBER	QTY.	PART NUMBER	PART NUMBER	DESCRIPTION
		141052-001	141052-002	
		DOWN FRAME	FULL FRAME	
		MOTOR	MOTOR	
1	1	129449-2	129448-1	PANEL-SIDE
2	1	129448	129449-3	PANEL-SIDE
3	1	126281-019	618297-2	PANEL-SIDE
4	1	126898	←	GUARD-FAN
5	1	126780	←	PANEL-VENTURI
6	1	126572	126572-1	PLATE-BOTTOM
7	2	126577-001	←	FRAME-CABINET SIDE
8	2	126575	←	BRACE-CABINET
9	1	129067-1	←	COOLER-FLUID
10	1	141043	←	PLATE-CONTROL, MOUNT
11	16	142578-K10	←	SCREW-CAP, 5/16-18 UNC X 0.75, ZINC, GRADE 5 (@ 13 FT-LBS)
12	23	120972	←	CLIP-END, PANEL
13	23	122259	←	CAP-CABINET RETAINER CLIP
14	2	126596	←	SUPPORT-CONTROL MOUNTING PLATE
15	14	110428W038	←	WASHER-FLAT, 3/8
16	6	142578-K12	←	SCREW-CAP, 5/16-18 UNC X 1.00, ZINC, GRADE 5 (@ 13 FT-LBS)
17	27	122151	←	SCREW-HEX, 1/4-20 UNC X 0.62, GRADE 5 (@ 6 FT-LBS)
18	23	22456Z	←	NUT-SPEED, GRIP, 1/4-20 UNC, ZINC
19	22	110428W031	←	WASHER-FLAT, 5/16
20	22	123115-05Z	←	LOCKWASHER, 5/16, ZINC
21	17	7612	←	NUT-HEX, 5/16-18 UNC, ZINC
22	36	128705-I10	←	SCREW-SELF-DRILLING, #14 X 0.75, ZINC
23	1	129141	←	PANEL-COVER
24	1	126576-1	←	BRACE-COOLER
25	1	126574-001	←	BRACE-CABINET
26	1	126574	←	BRACE-CABINET
27	1	126511-005	←	FAN

@ indicates torque value in foot pounds. (*lubricated threads*)

COOLER/CABINET GROUP (water-cooled)
(standard cabinet)

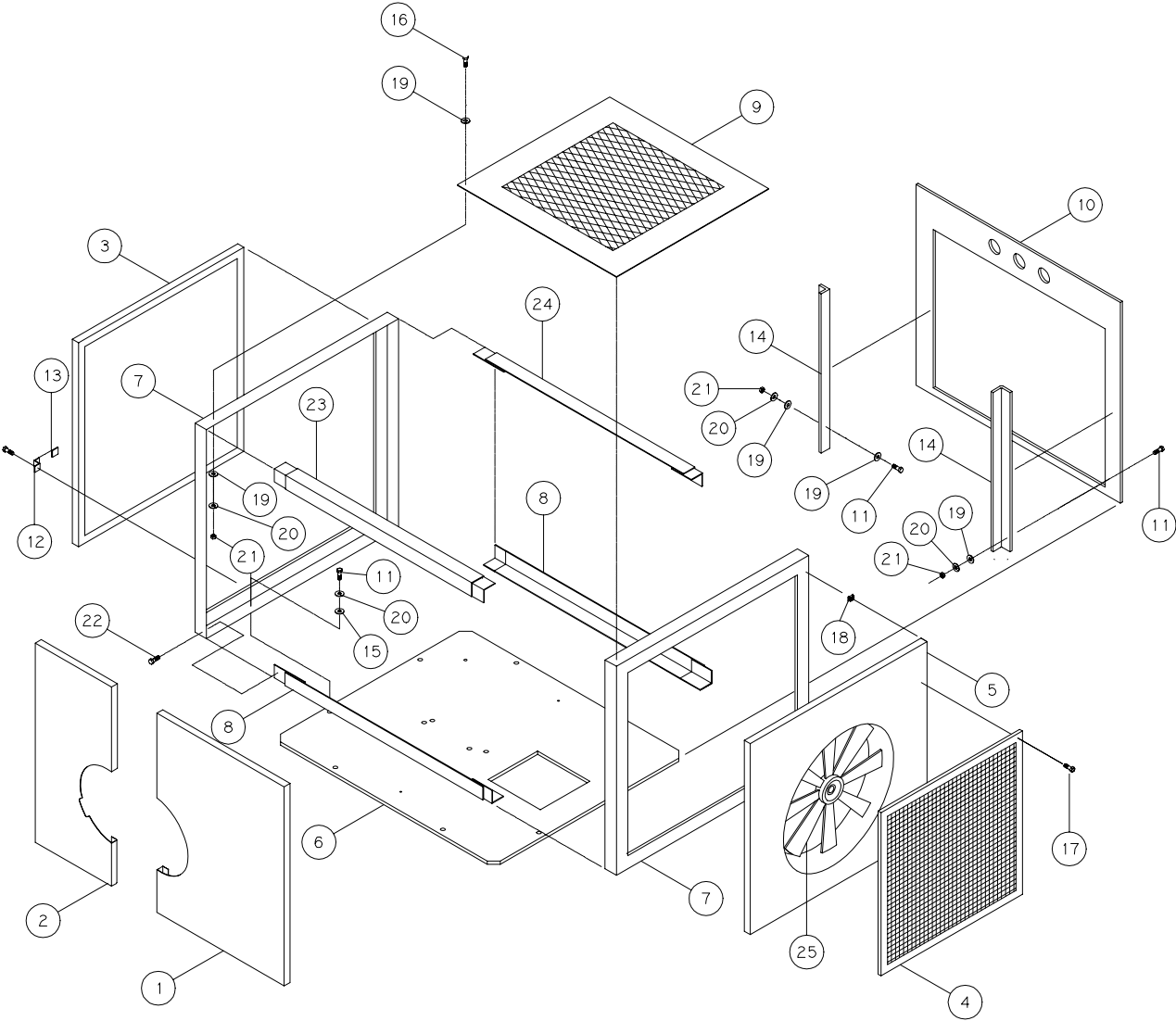


COOLER/CABINET GROUP (water-cooled)
(standard cabinet)

ITEM NUMBER	QTY.	PART NUMBER	PART NUMBER	DESCRIPTION
		141053-001	141053-002	
		DOWN FRAME	FULL FRAME	
		MOTOR	MOTOR	
1	1	126776	126776-1	PANEL-SIDE
2	1	126777	126777-1	PANEL-SIDE
3	1	126281-019	618297-2	PANEL-SIDE
4	1	126898	←	GUARD-FAN
5	1	126780	←	PANEL-VENTURI
6	1	126572	126572-1	PLATE-BOTTOM
7	2	126577-001	←	FRAME-CABINET SIDE
8	2	126575	←	BRACE-CABINET
9	1	127120	←	PANEL-TOP
10	1	141043	←	PLATE-CONTROL, MOUNT
11	16	142578-K10	←	SCREW-CAP, 5/16-18 UNC X 0.75, ZINC, GRADE 5 (@ 13 FT-LBS)
12	23	120972	←	CLIP-END, PANEL
13	23	122259	←	CAP-CABINET RETAINER CLIP
14	2	126596	←	SUPPORT-CONTROL MOUNTING PLATE
15	14	110428W038	←	WASHER-FLAT, 3/8
16	6	142578-K12	←	SCREW-CAP, 5/16-18 UNC X 1.00, ZINC, GRADE 5 (@ 13 FT-LBS)
17	27	122151	←	SCREW-HEX, 1/4-20 UNC X 0.62, GRADE 5 (@ 6 FT-LBS)
18	23	22456Z	←	NUT-SPEED, GRIP, 1/4-20 UNC, ZINC
19	22	110428W031	←	WASHER-FLAT, 5/16
20	22	123115-05Z	←	LOCKWASHER, 5/16, ZINC
21	17	7612	←	NUT-HEX, 5/16-18 UNC, ZINC
22	36	128705-I10	←	SCREW-SELF-DRILLING, #14 X 0.75, ZINC
23	1	126574-001	←	BRACE-CABINET
24	1	126574	←	BRACE-CABINET
25	4.0 FT	20579	←	DAMPENER-VIBRATION
26	1	126511-005	←	FAN

@ indicates torque value in foot pounds. (lubricated threads)

COOLER/CABINET GROUP (water-cooled)
(totally enclosed cabinet)

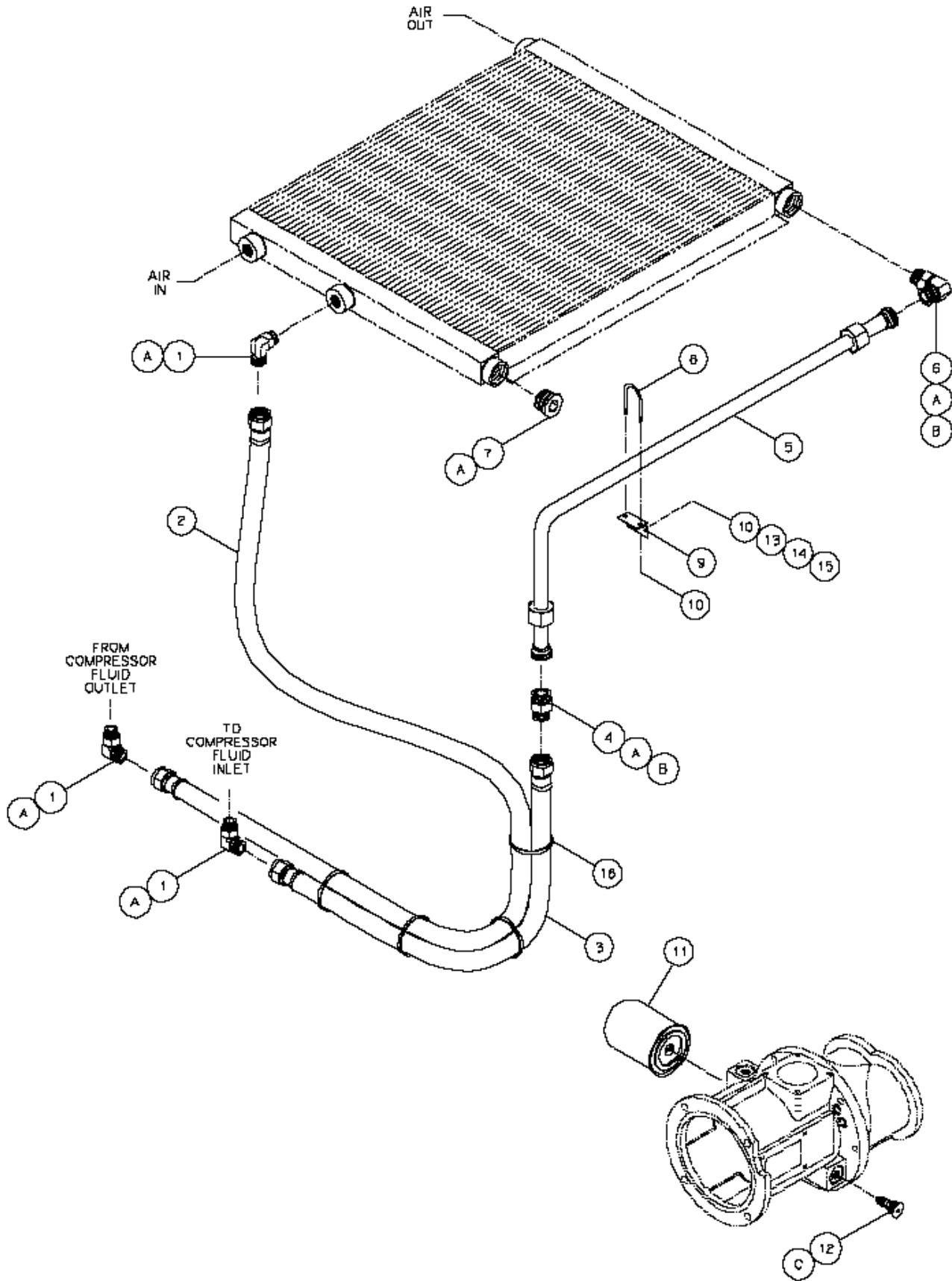


COOLER/CABINET GROUP (water-cooled)
(totally enclosed cabinet)

ITEM NUMBER	QTY.	PART NUMBER	PART NUMBER	DESCRIPTION
		141054-001	141054-002	
		DOWN FRAME	FULL FRAME	
		MOTOR	MOTOR	
1	1	129449-2	129448-1	PANEL-SIDE
2	1	129448	129449-3	PANEL-SIDE
3	1	126281-019	618297-2	PANEL-SIDE
4	1	126898	←	GUARD-FAN
5	1	126780	←	PANEL-VENTURI
6	1	126572	126572-1	PLATE-BOTTOM
7	2	126577-001	←	FRAME-CABINET SIDE
8	2	126575	←	BRACE-CABINET
9	1	127120	←	PANEL-TOP
10	1	141043	←	PLATE-CONTROL, MOUNT
11	16	142578-K10	←	SCREW-CAP, 5/16-18 UNC X 0.75, ZINC, GRADE 5 (@ 13 FT-LBS)
12	23	120972	←	CLIP-END, PANEL
13	23	122259	←	CAP-CABINET RETAINER CLIP
14	2	126596	←	SUPPORT-CONTROL MOUNTING PLATE
15	14	110428W038	←	WASHER-FLAT, 3/8
16	6	142578-K12	←	SCREW-CAP, 5/16-18 UNC X 1.00, ZINC, GRADE 5 (@ 13 FT-LBS)
17	27	122151	←	SCREW-HEX, 1/4-20 UNC X 0.62, GRADE 5 (@ 6 FT-LBS)
18	23	22456Z	←	NUT-SPEED, GRIP, 1/4-20 UNC, ZINC
19	22	110428W031	←	WASHER-FLAT, 5/16
20	22	123115-05Z	←	LOCKWASHER, 5/16, ZINC
21	17	7612	←	NUT-HEX, 5/16-18 UNC, ZINC
22	36	128705-I10	←	SCREW-SELF-DRILLING, #14 X 0.75, ZINC
23	1	126574-001	←	BRACE-CABINET
24	1	126574	←	BRACE-CABINET
25	1	126511-005	←	FAN

@ indicates torque value in foot pounds. (*lubricated threads*)

FLUID PIPING GROUP (air-cooled)
141485-001



FLUID PIPING GROUP (air-cooled)
141485-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	3	129010-019	FITTING-ELBOW, 1-5/16 NPT X 1-5/16, SAE O-RING
2	1	141951-014	ASSEMBLY-HOSE, 1.00 I.D.
3	1	141951-012	ASSEMBLY-HOSE, 1.00 I.D.
4	1	141604-006	FITTING-HOSE, ADAPTER, 1-7/16-12 UNF X 1-5/16-12 NPTF, SAE O-RING
5	1	140719-047	ASSEMBLY-TUBE, FLANGED, 1.00 O.D.
6	1	140676-018	FITTING-ELBOW, 1.00 TUBE X 1-5/16, SAE O-RING
7	1	128883-131	PLUG-PIPE, 1-5/16, SAE O-RING
8	1	21094	U-BOLT, 1/4-20 UNC
9	1	141488	BRACKET-TUBE
10	4	110428N025	FLATWASHER, 1/4
11	1	128381-050	ELEMENT-FLUID FILTER
12	1	140147	CARTRIDGE-THERMAL VALVE
13	2	122151	SCREW-HEX, 1/4-20 UNC X 0.62, GRADE 5 (@ 6 FT-LBS)
14	2	123115-04C	LOCKWASHER, 1/4
15	2	124364-J02	NUT-HEX, 1/4-20 UNC
16	8	40715	TIE-CABLE

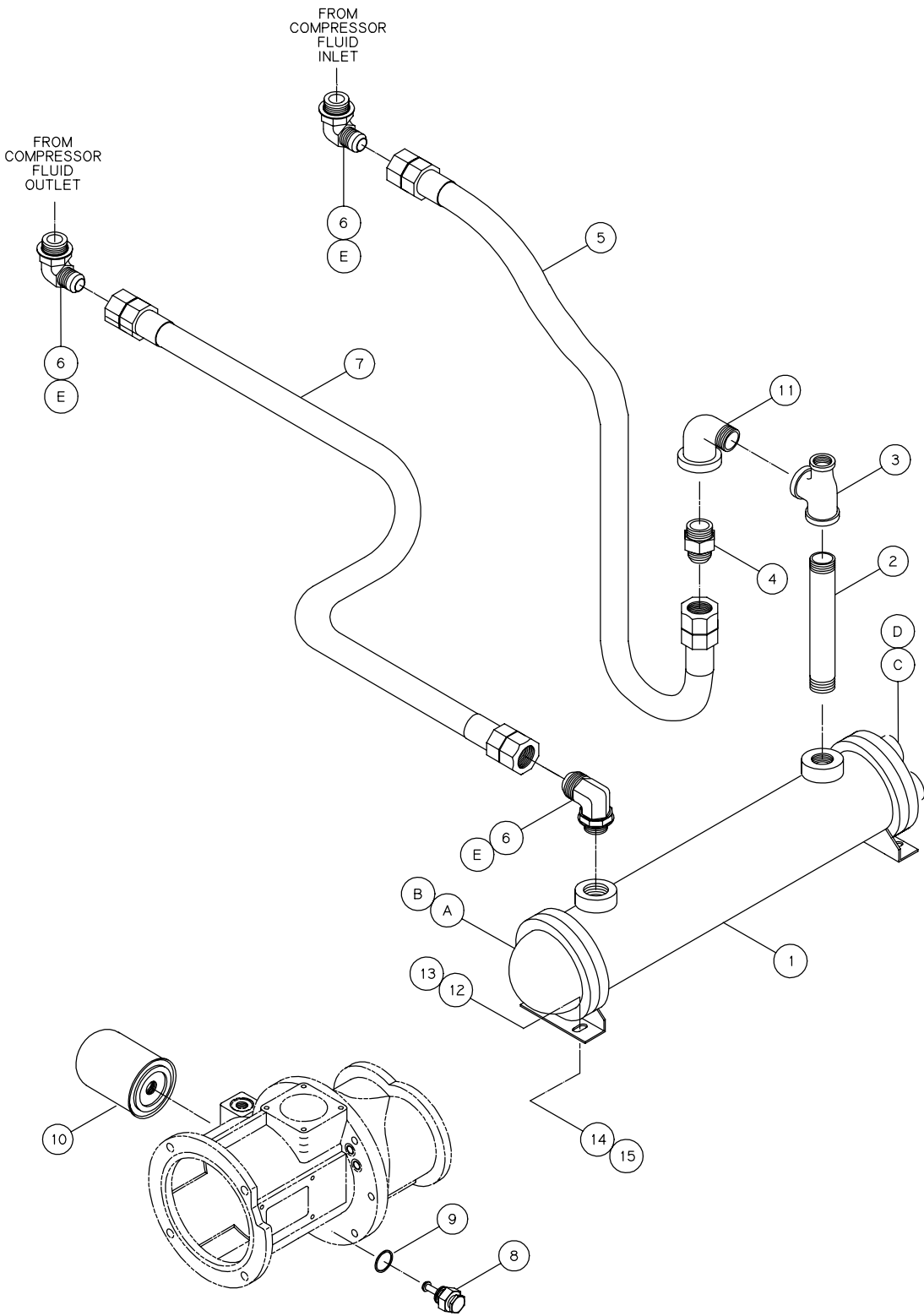
COMPONENT MAINTENANCE PARTS

A	6	140406-916	O-RING, VITON
B	2	140675-006	O-RING, FACE SEAL, VITON
C	1	22749-123	O-RING, VITON

@ indicates torque value in foot pounds. (*lubricated threads*)

FLUID PIPING GROUP (water-cooled)

141493-002



FLUID PIPING GROUP (water-cooled)
141493-002

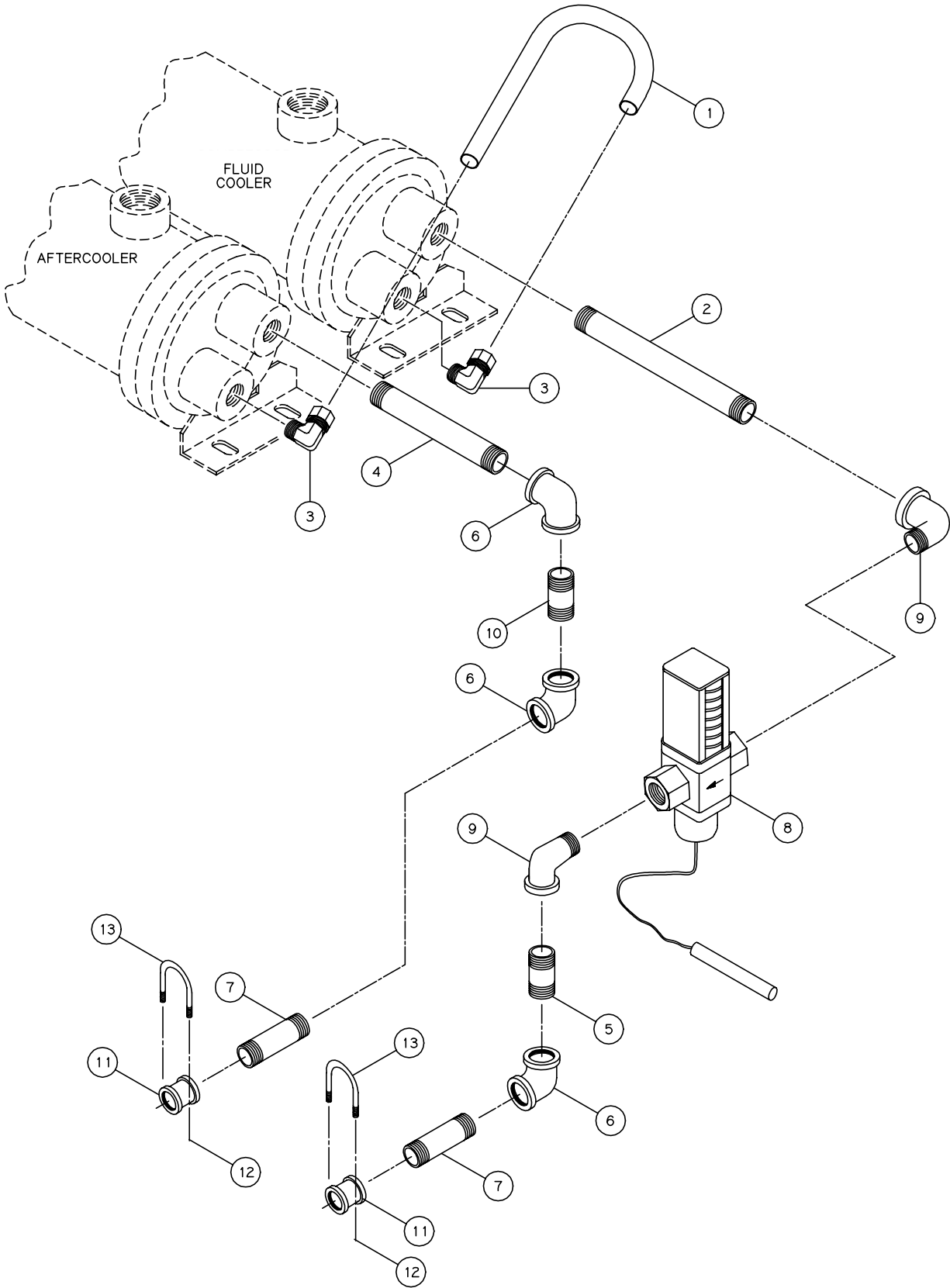
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	22708-26	HEAT EXCHANGER-FLUID COOLER
2	1	125938-058	NIPPLE-PIPE, 1-1/4 NPT X 8.00
3	1	124420-037	TEE-PIPE, 1-1/4 X 1/2 X 1.00
4	1	123166-25	FITTING-MALE CONNECTOR, 1.00 TUBE X 1.00 NPT
5	1	141951-011	HOSE-ASSEMBLY, 1.00
6	3	129010-019	FITTING-ELBOW, 1-5/16 NPT X 1-5/16
7	1	141951-019	HOSE-ASSEMBLY, 1.00
8	1	140649	PLUG-THERMAL VALVE
9	1	140406-916	O-RING, VITON
10	1	128381-050	ELEMENT-FLUID FILTER
11	1	3004	ELBOW-PIPE, 1.00 NPT
12	4	123478-L12	SCREW-HEX, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)
13	4	123115-06C	LOCKWASHER, 3/8
14	4	110428W038	FLATWASHER, 3/8
15	4	124364-L02	NUT-HEX, 3/8-16 UNC

COMPONENT MAINTENANCE PARTS

A	1	22708-828	GASKET-COOLER, RETURN END
B	1	22708-826	BONNET-COOLER, RETURN END
C	1	22708-827	GASKET-COOLER, IN/OUT END
D	1	22708-829	BONNET-COOLER, IN/OUT END
E	3	140406-916	O-RING, VITON

@ indicates torque value in foot pounds. (*lubricated threads*)

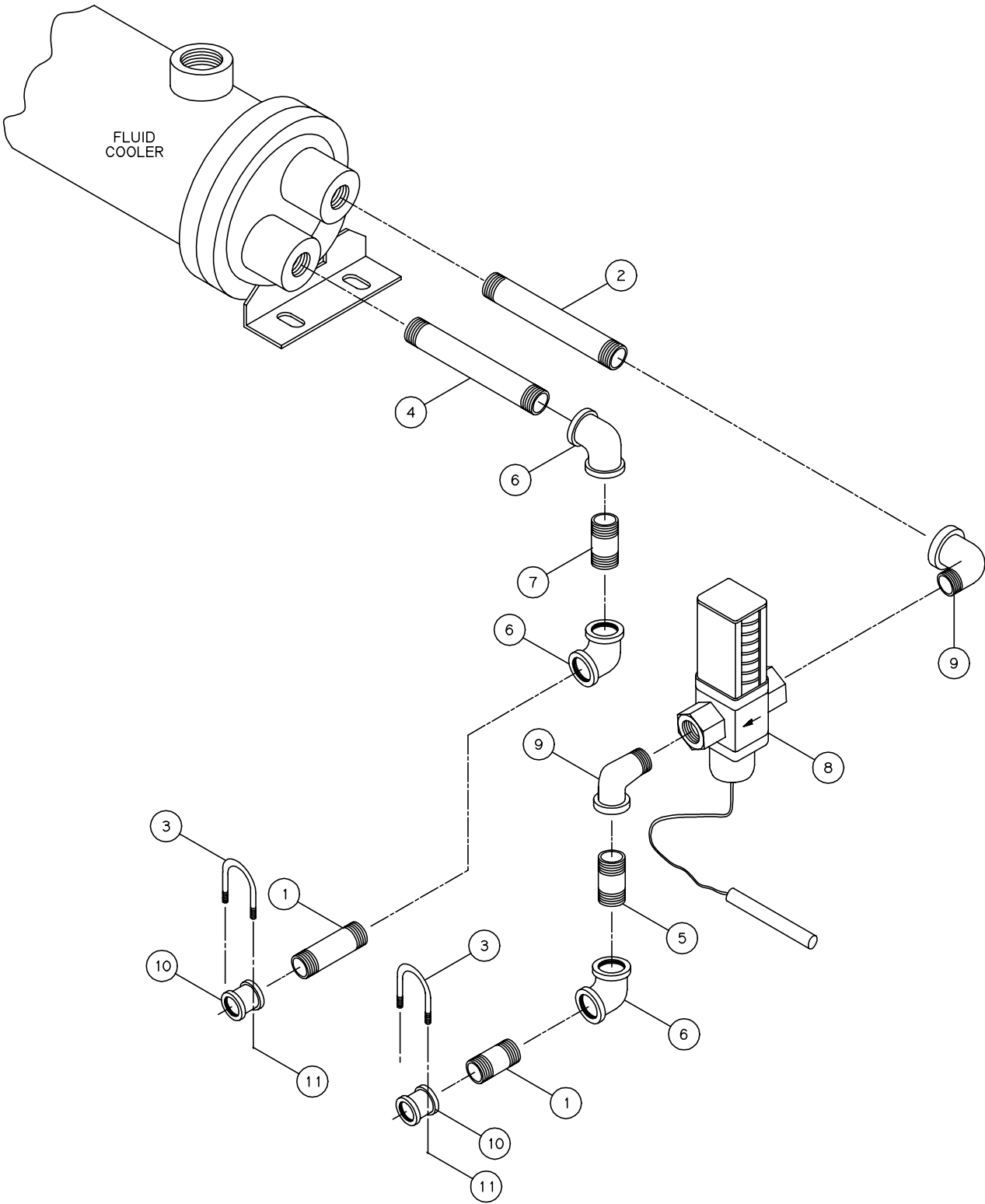
WATER PIPING GROUP (with aftercooler)
128303-002



WATER PIPING GROUP (with aftercooler)
128303-002

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	125654-001	TUBE-FORMED, 1.00 O.D.
2	1	126020-066	NIPPLE-PIPE, 1.00 NPT X 9.00, GALVANIZED
3	2	110419-020	FITTING-ELBOW, 90° MALE, 1.00 TUBE X 1.00 NPT
4	1	126020-042	NIPPLE-PIPE, 1.00 NPT X 6.00, GALVANIZED
5	1	126020-022	NIPPLE-PIPE, 1.00 NPT X 3.50, GALVANIZED
6	3	21731	ELBOW-PIPE, 1.00 NPT, GALVANIZED
7	2	126020-014	NIPPLE-PIPE, 1.00 NPT X 2.50, GALVANIZED
8	1	23219-1	VALVE-WATER REGULATING
9	2	21730	ELBOW-PIPE, 1.00 NPT, GALVANIZED
10	1	126020-018	NIPPLE-PIPE, 1.00 NPT X 3.00, GALVANIZED
11	2	21740	COUPLING-PIPE, 1.00 NPT, GALVANIZED
12	4	123107-04C	LOCKWASHER, #4
13	2	122560-01	U-BOLT, 1/4-20 UNC

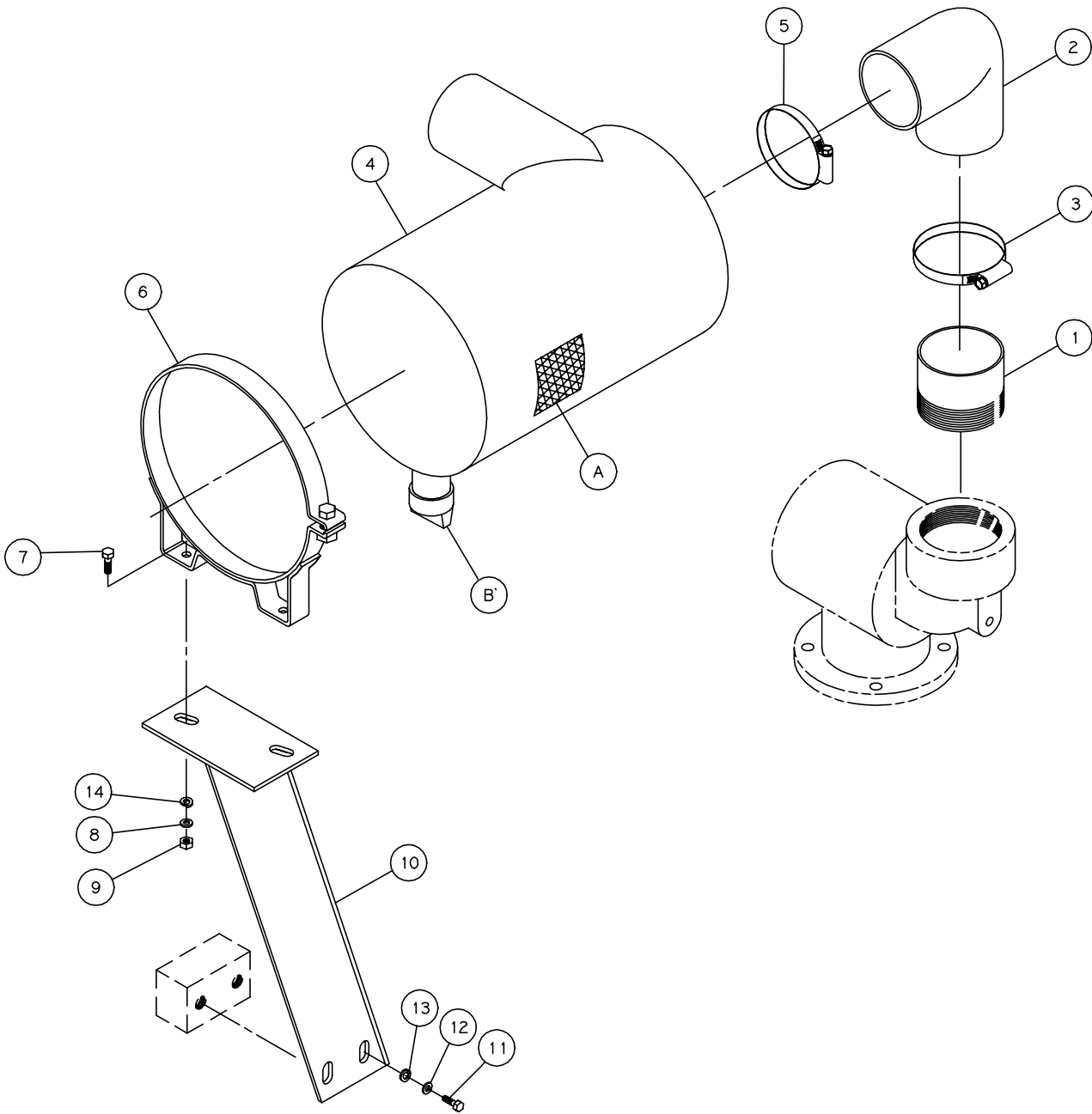
WATER PIPING GROUP (less aftercooler)
128689-002



WATER PIPING GROUP (less aftercooler)
128689-002

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	2	126020-014	NIPPLE-PIPE, 1.00 NPT X 2.50, GALVANIZED
2	1	126020-066	NIPPLE-PIPE, 1.00 NPT X 9.00, GALVANIZED
3	2	122560-01	U-BOLT, 1/4-20 UNC
4	1	126020-042	NIPPLE-PIPE, 1.00 NPT X 6.00, GALVANIZED
5	1	126020-026	NIPPLE-PIPE, 1.00 NPT X 4.00, GALVANIZED
6	3	21731	ELBOW-PIPE, 1.00 NPT, GALVANIZED
7	1	126020-001	NIPPLE-PIPE, 1 NPT X CLOSE, GALVANIZED
8	1	23219-1	VALVE-WATER REGULATING
9	2	21730	ELBOW-PIPE, 1.00 NPT, GALVANIZED
10	2	21740	COUPLING-PIPE, 1.00 NPT, GALVANIZED
11	4	123107-04C	LOCKWASHER, #4

AIR FILTER GROUP
128680-002



AIR FILTER GROUP
128680-002

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	126039-017	NIPPLE-PIPE, 3-1/2 NPT X 3.00
2	1	122934-03	ELBOW-RUBBER
3	1	110423-064	CLAMP-HOSE
4	1	22864-14	FILTER-AIR
5	1	110423-052	CLAMP-HOSE
6	1	120293	BAND-AIR FILTER MOUNTING
7	2	123478-K10	SCREW-HEX, 5/16-18 UNC X 0.75, GRADE 5 (@ 13 FT-LBS)
8	2	123115-05C	LOCKWASHER, 5/16
9	2	124364-K02	NUT-HEX, 5/16-18 UNC
10	1	127092-002	SUPPORT-AIR FILTER
11	2	123478-L10	SCREW-HEX, 3/8-16 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)
12	2	123115-06C	LOCKWASHER, 3/8
13	2	110428W038	FLATWASHER, 3/8
14	2	110428W031	FLATWASHER, 5/16

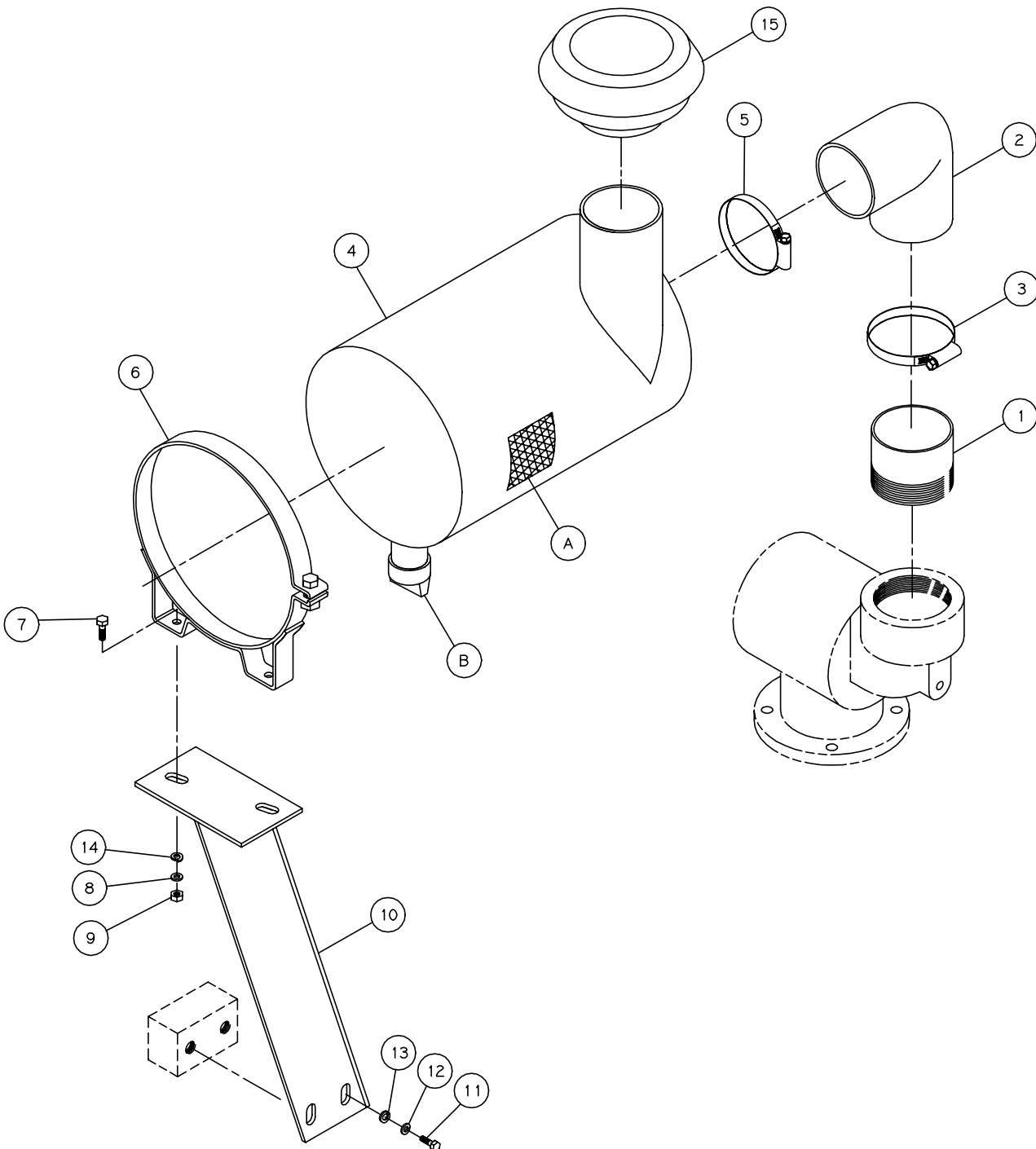
COMPONENT MAINTENANCE PARTS

A	1	23458-1	ELEMENT-AIR FILTER
B	1	121291	COVER-DUST

@ indicates torque value in foot pounds. (*lubricated threads*)

AIR FILTER GROUP (for models with totally enclosed cabinet)

129477-002



AIR FILTER GROUP *(for models with totally enclosed cabinet)*

129477-002

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	126039-017	NIPPLE-PIPE, 3-1/2 NPT X 3.00
2	1	122934-03	ELBOW-RUBBER
3	1	110423-064	CLAMP-HOSE
4	1	22864-8	FILTER-AIR
5	1	110423-052	CLAMP-HOSE
6	1	120293	BAND-AIR FILTER MOUNTING
7	2	123478-K10	SCREW-HEX, 5/16-18 UNC X 0.75, GRADE 5 (@ 13 FT-LBS)
8	2	123115-05C	LOCKWASHER, 5/16
9	2	124364-K02	NUT-HEX, 5/16-18 UNC
10	1	127092-002	SUPPORT-AIR FILTER
11	2	123478-L10	SCREW-HEX, 3/8-16 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)
12	2	123115-06C	LOCKWASHER, 3/8
13	2	110428W038	FLATWASHER, 3/8
14	2	110428W031	FLATWASHER, 5/16
15	1	22275	HOOD-AIR FILTER

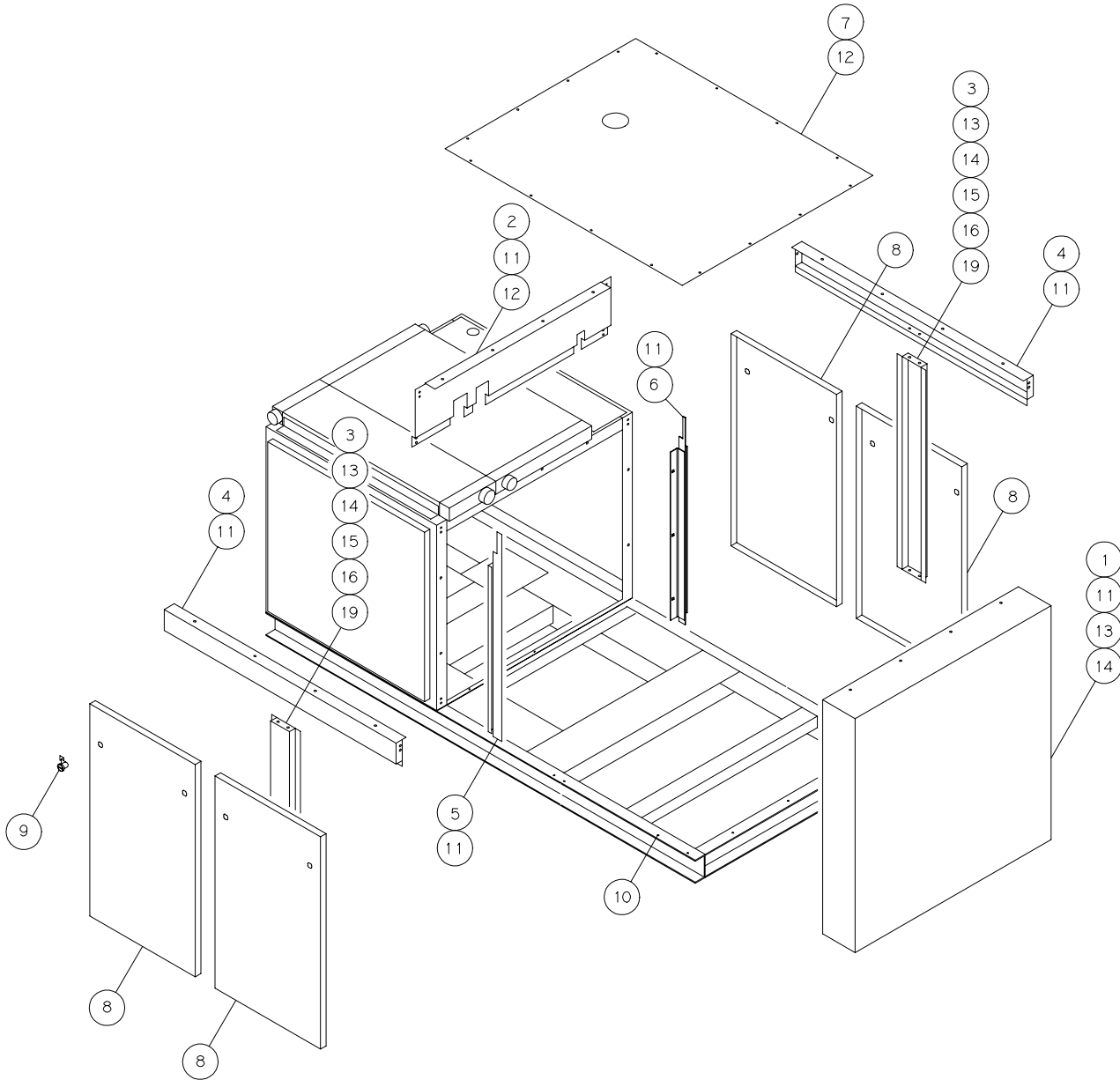
COMPONENT MAINTENANCE PARTS

A	1	23458-1	ELEMENT-AIR FILTER
B	1	121291	COVER-DUST

@ indicates torque value in foot pounds. (*lubricated threads*)

CABINET GROUP (air-cooled)

129457-002

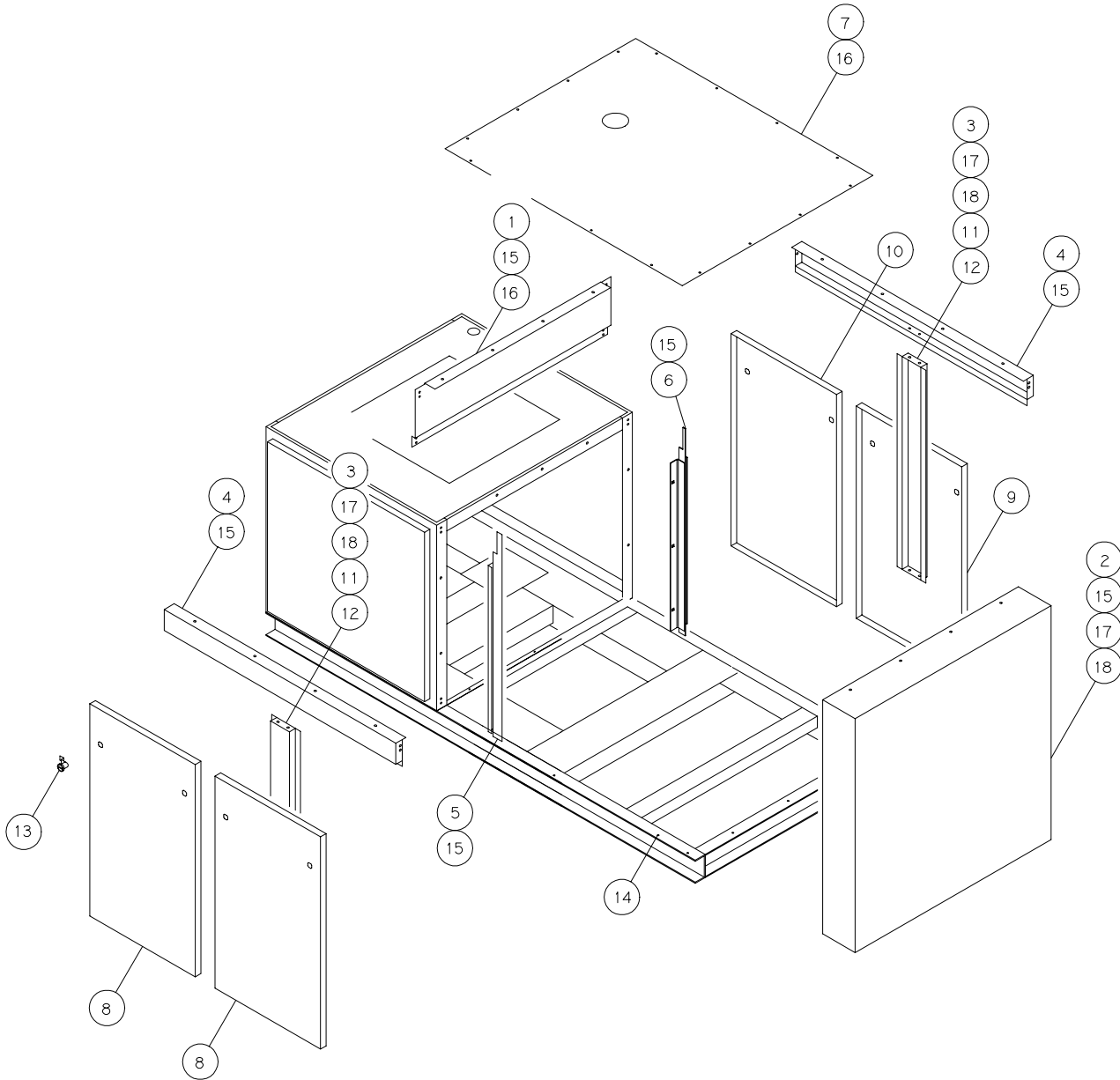


CABINET GROUP (air-cooled)
129457-002

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	129439	FRAME-END
2	1	129437-001	PANEL-END
3	2	129440	PANEL-DOOR POST
4	2	129441	SUPPORT-ROOF PANEL
5	1	129442	SUPPORT-PANEL
6	1	129443	SUPPORT-PANEL
7	1	129444	SUPPORT-ROOF
8	4	129445	SUPPORT-DOOR
9	8	129450	LATCH-DOOR, QUARTER TURN
10	8	142650-K12	SCREW-CAP, 5/16-18 UNC X 1.00, ZINC, GRADE 5 (@ 13 FT-LBS)
11	32	22456Z	NUT-SPEED, GRIP, ZINC, 1/4-20 UNC
12	20	128997	SCREW-SOCKET, 1/4-20 UNC X 0.62
13	9	110511-K10	SCREW-TAPTITE, 5/16-18 UNC X 0.75
14	19	122151	SCREW-HEX, 1/4-20 UNC X 0.62, GRADE 5 (@ 6 FT-LBS)
15	4	123115-04Z	LOCKWASHER, 1/4, ZINC
16	4	142667-J02	NUT-HEX, 1/4 -20 UNC, ZINC
19	4	142578-K11	SCREW-CAP, 5/16-18 UNC X 0.88, ZINC, GRADE 5 (@ 13 FT-LBS)

@ indicates torque value in foot pounds. (*lubricated threads*)

CABINET GROUP (water-cooled)
129458-001

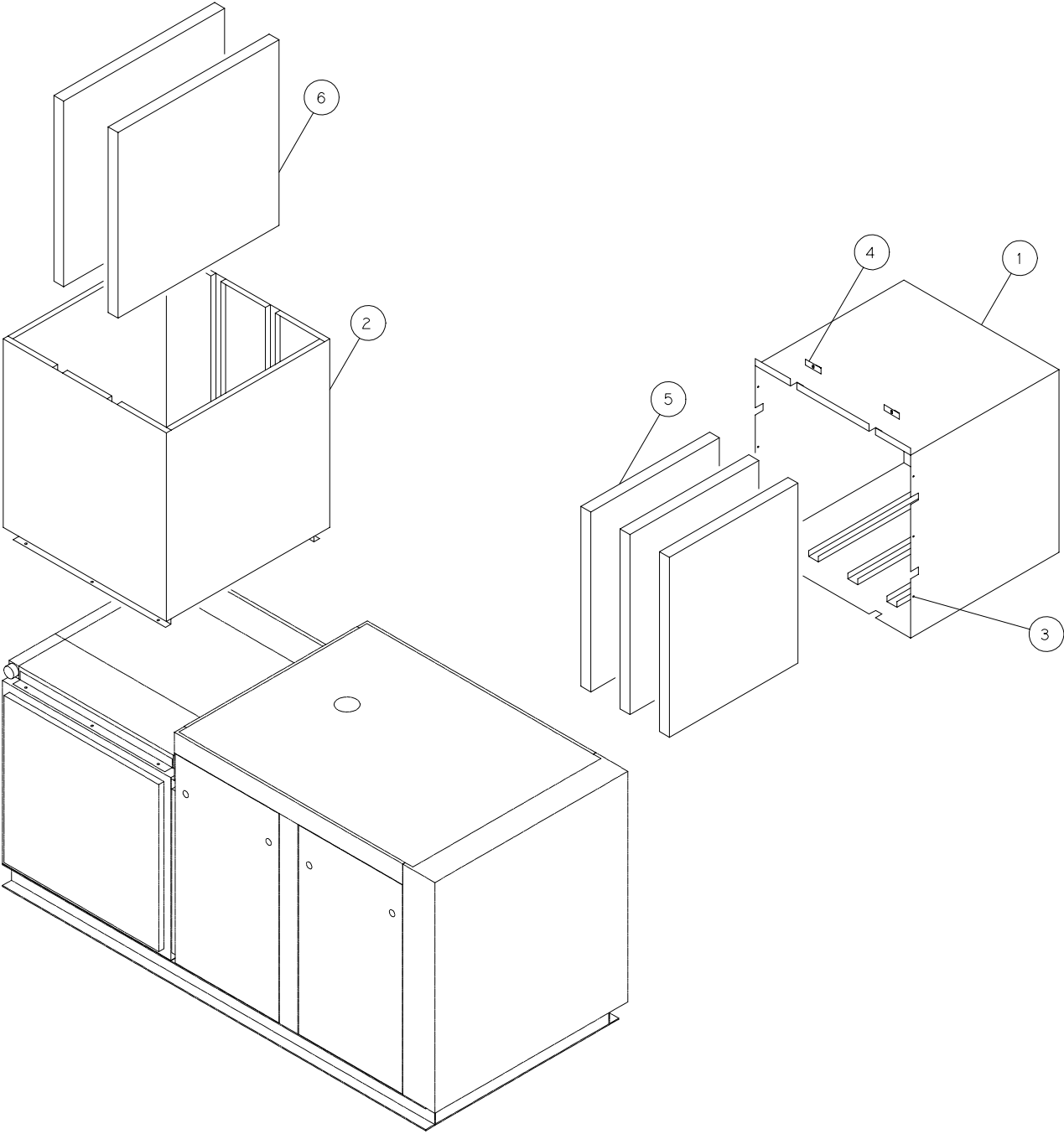


CABINET GROUP (water-cooled)
129458-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	129438	PANEL-END
2	1	129447	PANEL-SIDE
3	2	129446	PANEL-SIDE
4	2	129439	FRAME-END
5	1	129442	SUPPORT-PANEL
6	1	129443	SUPPORT-PANEL
7	1	129444	SUPPORT-ROOF
8	2	129440	PANEL-DOOR POST
9	1	129441	SUPPORT-ROOF PANEL
10	1	129445	SUPPORT-DOOR
11	4	123115-04Z	LOCKWASHER, 1/4, ZINC
12	4	142667-J02	NUT-HEX, 1/4 -20 UNC, ZINC
13	8	129450	LATCH-DOOR, QUARTER TURN
14	8	142650-K12	SCREW-CAP, 5/16-18 UNC X 1.00, ZINC, GRADE 5 (@ 13 FT-LBS)
15	30	22456Z	NUT-SPEED, GRIP, ZINC, 1/4-20 UNC
16	20	128997	SCREW-SOCKET, 1/4-20 UNC X 0.62
17	9	110511-K10	SCREW-TAPTITE, 5/16-18 UNC X 0.75
18	19	122151	SCREW-HEX, 1/4-20 UNC X 0.62, GRADE 5 (@ 6 FT-LBS)

@ indicates torque value in foot pounds. (*lubricated threads*)

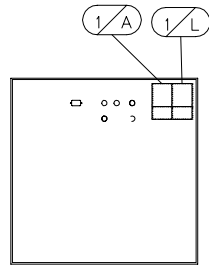
LOW SOUND CABINET GROUP
129459-001



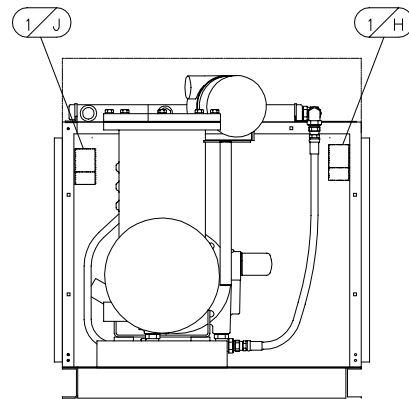
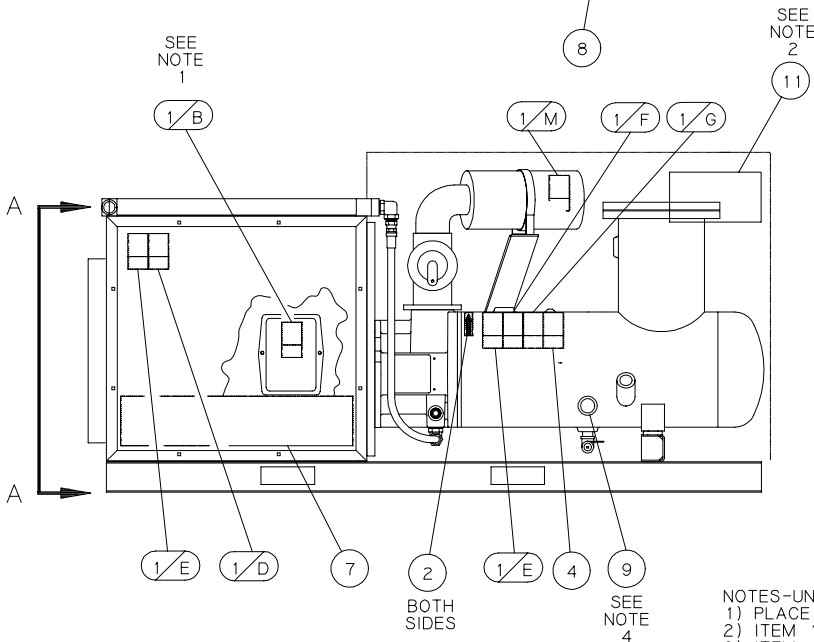
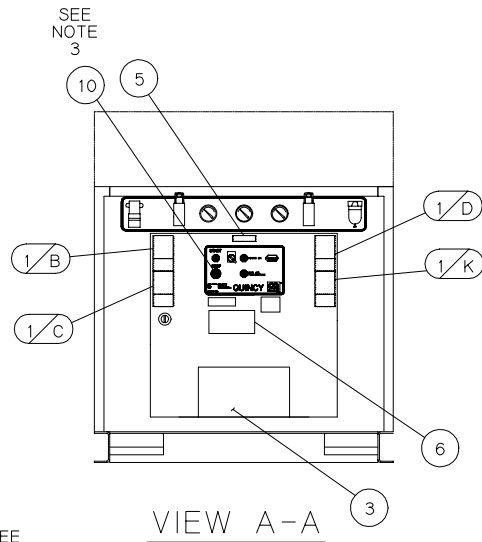
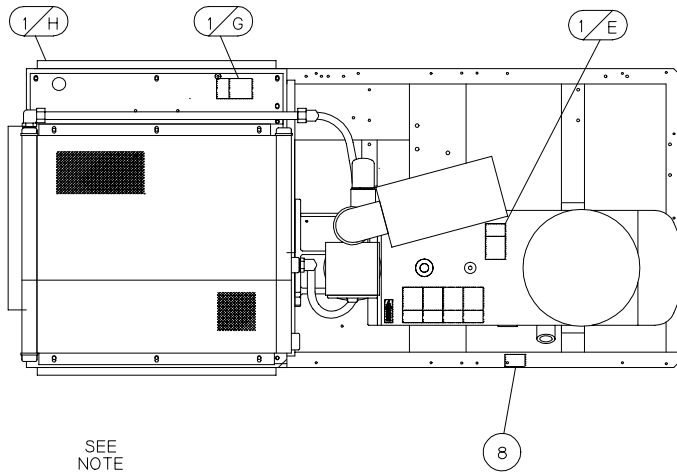
LOW SOUND CABINET GROUP
129459-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	128707	DUCT-AIR INLET
2	1	129451	DUCT-EXHAUST
3	6	128705-I12	SCREW-SELF-DRILLING, #14 X 1.00, ZINC
4	2	128644	CLIP-CANOPY
5	3	128703-001	PANEL-ACOUSTICAL
6	2	128703-002	PANEL-ACOUSTICAL

DECAL GROUP (air-cooled)



INSIDE CONTROL
PANEL DOOR



- NOTES-UNLESS OTHERWISE SPECIFIED:
- 1) PLACE DECAL ON MOTOR JUNCTION BOX.
 - 2) ITEM 11 USED ONLY ON UNITS WITH CABINET.
 - 3) ITEM 10 (INFORMATION TAG) TO BE WIRE TIED TO THE STOP BUTTON.
 - 4) ITEM 9 (INFORMATION TAG) TO BE WIRE TIED TO THE FLUID LEVEL SIGHT GLASS.

DECAL GROUP *(air-cooled)*

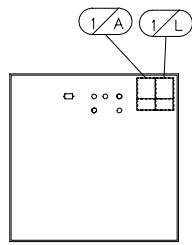
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1/A-1/M	1	128004	SHEET-SAFETY DECALS
2	2	7459	LABEL-ARROW
3	1	126933	DECAL-QUINCY
4	1	140322	DECAL-CAUTION, FLUID FILL...
5	1	128189	DECAL-AMERICAN MADE
6	1	142720	DECAL-CAUTION, WELDING ON BASE...
7	1	126935-050*	DECAL-QUINCY 50
	1	126935-060*	DECAL-QUINCY 60
8	1	128065	DECAL-DANGER, HOT FLUID UNDER PRESSURE...
9	1	22177	TAG-FLUID TYPE SHIPPED WITH UNIT
10	1	141250	TAG-CAUTION, JOG MOTOR
11	1	126933-001**	DECAL-QUINCY, BLUE

NOTES:

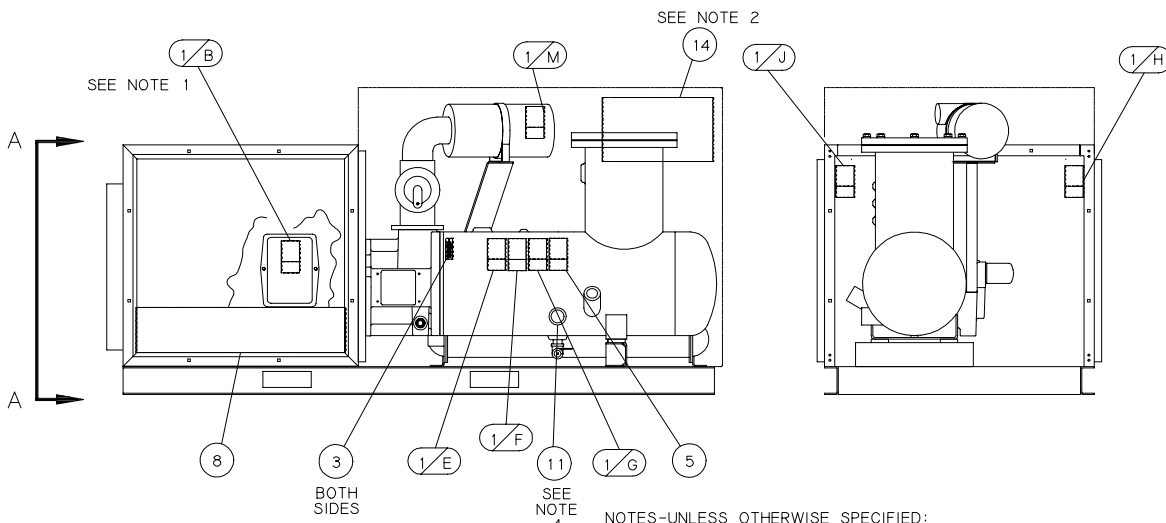
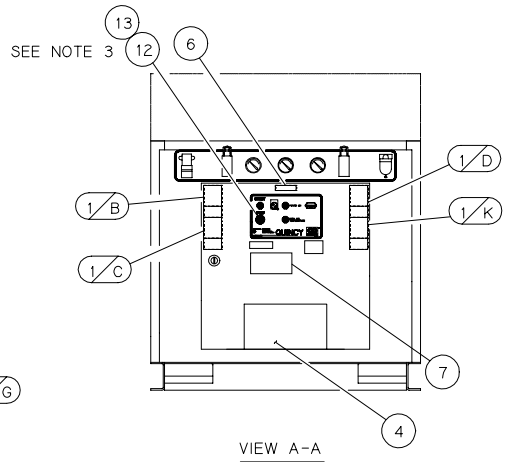
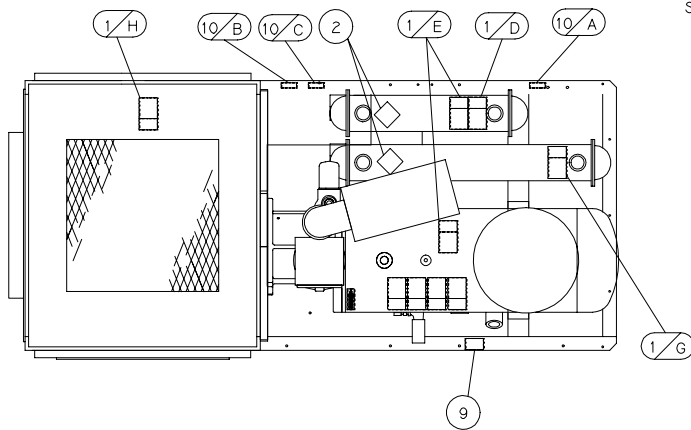
* DASH NUMBER CHANGES ACCORDING TO HORSEPOWER OF UNIT.

** THIS DECAL USED ONLY ON UNITS WITH CABINET.

DECAL GROUP (water-cooled)



INSIDE CONTROL
PANEL DOOR



- NOTES-UNLESS OTHERWISE SPECIFIED:
 1) PLACE DECAL ON MOTOR JUNCTION BOX.
 2) ITEM 14 USED ONLY ON UNITS WITH CABINET.
 3) ITEMS 12 AND 13 (INFORMATION TAGS)
 TO BE WIRE TIED TO THE STOP BUTTON.
 4) ITEM 11 TO BE WIRE TIED TO THE FLUID
 LEVEL GAUGE.

DECAL GROUP (water-cooled)

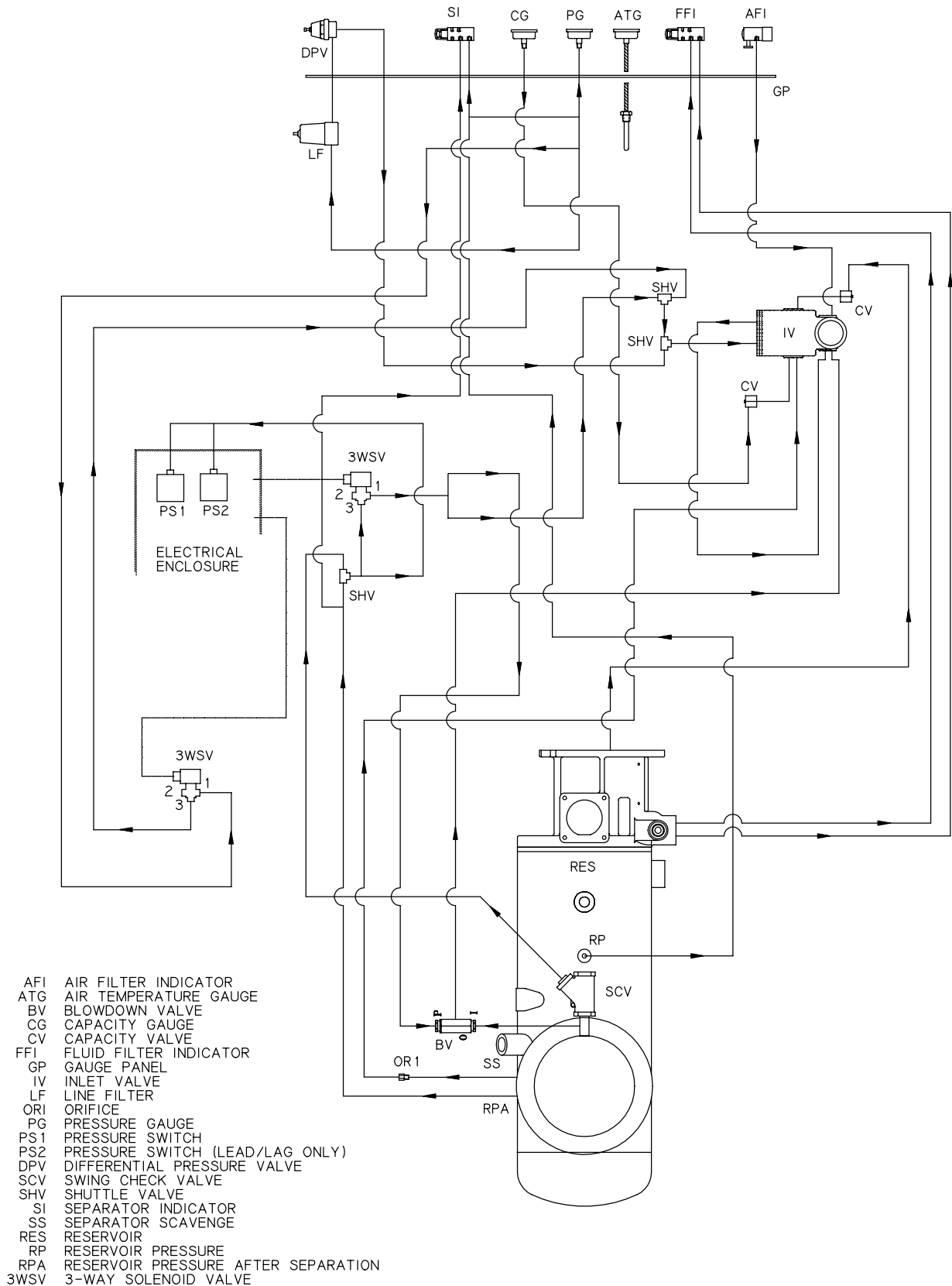
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1/A-1/M	1	128004	SHEET-SAFETY DECALS
2	2	22012	DECAL-WARNING, PROTECT FROM FREEZING
3	2	7459	LABEL-ARROW
4	1	126933	DECAL-QUINCY
5	1	140322	DECAL-CAUTION, FLUID FILL...
6	1	128189	DECAL-AMERICAN MADE
7	1	142720	DECAL-CAUTION, WELDING ON BASE...
8	1	126935-050*	DECAL-QUINCY 50
	1	126935-060*	DECAL-QUINCY 60
9	1	128065	DECAL-DANGER, HOT FLUID UNDER PRESSURE...
10A-10C	1	128280	DECAL-OUTLET IDENTIFICATION
11	1	22177	TAG-FLUID TYPE SHIPPED WITH UNIT
12	1	141250	TAG-CAUTION, JOG MOTOR
13	1	141251	TAG-PLUGS REMOVED...
14	1	126933-001**	DECAL-QUINCY, BLUE

NOTES:

*DASH NUMBER CHANGES ACCORDING TO HORSEPOWER OF UNIT.

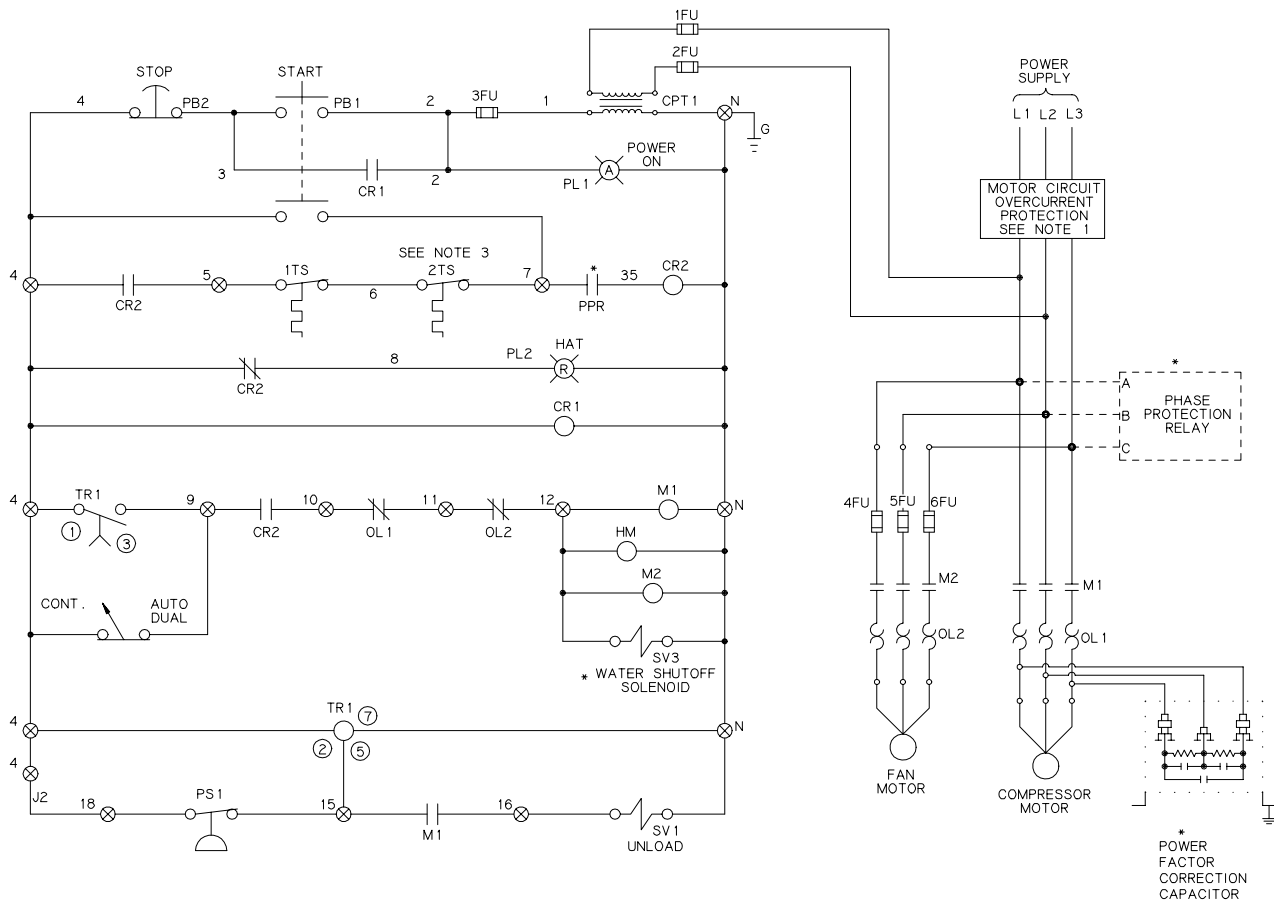
**THIS DECAL USED ONLY ON UNITS WITH CABINET.

CONTROL PIPING SCHEMATIC (wye-delta)

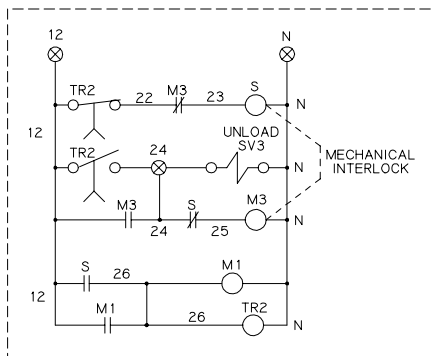


ELECTRICAL CONTROL DIAGRAM (auto dual)

WP1861A



WYE-DELTA STARTING *



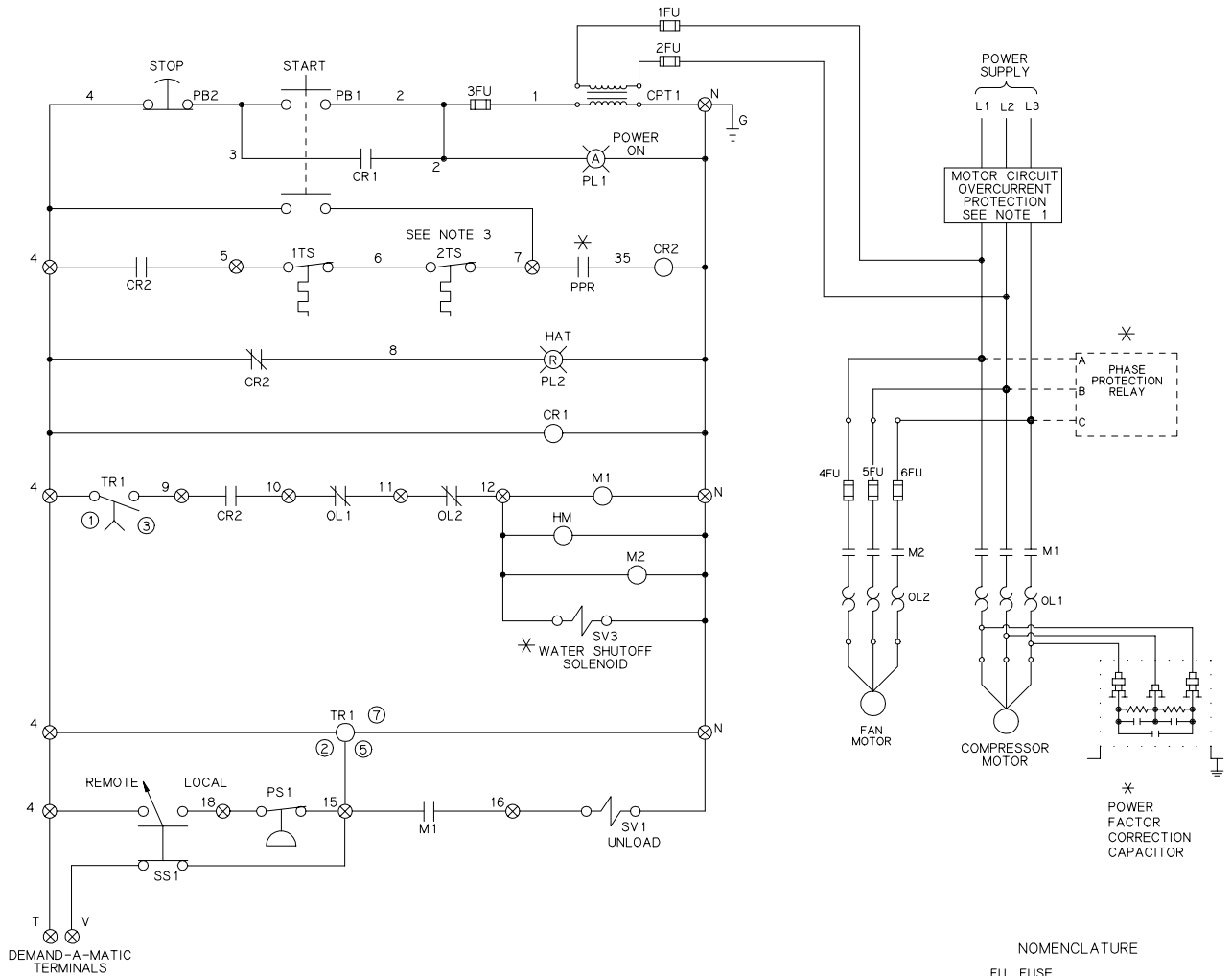
NOMENCLATURE

- FU FUSE
- PB PUSH BUTTON
- SS SELECTOR SWITCH
- CR CONTROL RELAY
- CPT CONTROL POWER TRANS
- TS TEMPERATURE SWITCH
- HAT HIGH AIR TEMPERATURE
- PL PANEL LIGHT
- TR TIMING RELAY
- OL OVERLOAD RELAY
- M CONTACTOR
- SV SOLENOID VALVE
- PS PRESSURE SWITCH
- ⊗ SCREW TERMINAL
- ⊗ OCTAL SOCKET TERMINAL
- * OPTIONAL
- HM HOUR METER
- J JUMPERS

- NOTES:
- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
 - 2) UNLESS OTHERWISE SPECIFIED ALL WIRES ARE RED EXCEPT "N" WIRES ARE WHITE AND "G" WIRE IS GREEN.
 - 3) THIS TEMPERATURE SWITCH USED ON 100HP THRU 150HP MODELS ONLY.

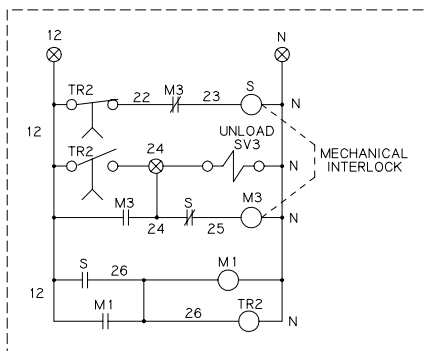
ELECTRICAL CONTROL DIAGRAM (auto demand)

WP1861B



- NOMENCLATURE**
- FU FUSE
 - PB PUSH BUTTON
 - SS SELECTOR SWITCH
 - CR CONTROL RELAY
 - CPT CONTROL POWER TRANS
 - TS TEMPERATURE SWITCH
 - HAT HIGH AIR TEMPERATURE
 - PL PANEL LIGHT
 - TR TIMING RELAY
 - OL OVERLOAD RELAY
 - M CONTACTOR
 - SV SOLENOID VALVE
 - PS PRESSURE SWITCH
 - ⊗ SCREW TERMINAL
 - ⊙ OCTAL SOCKET NUMBER
 - * OPTIONAL
 - HM HOUR METER
 - J JUMPERS

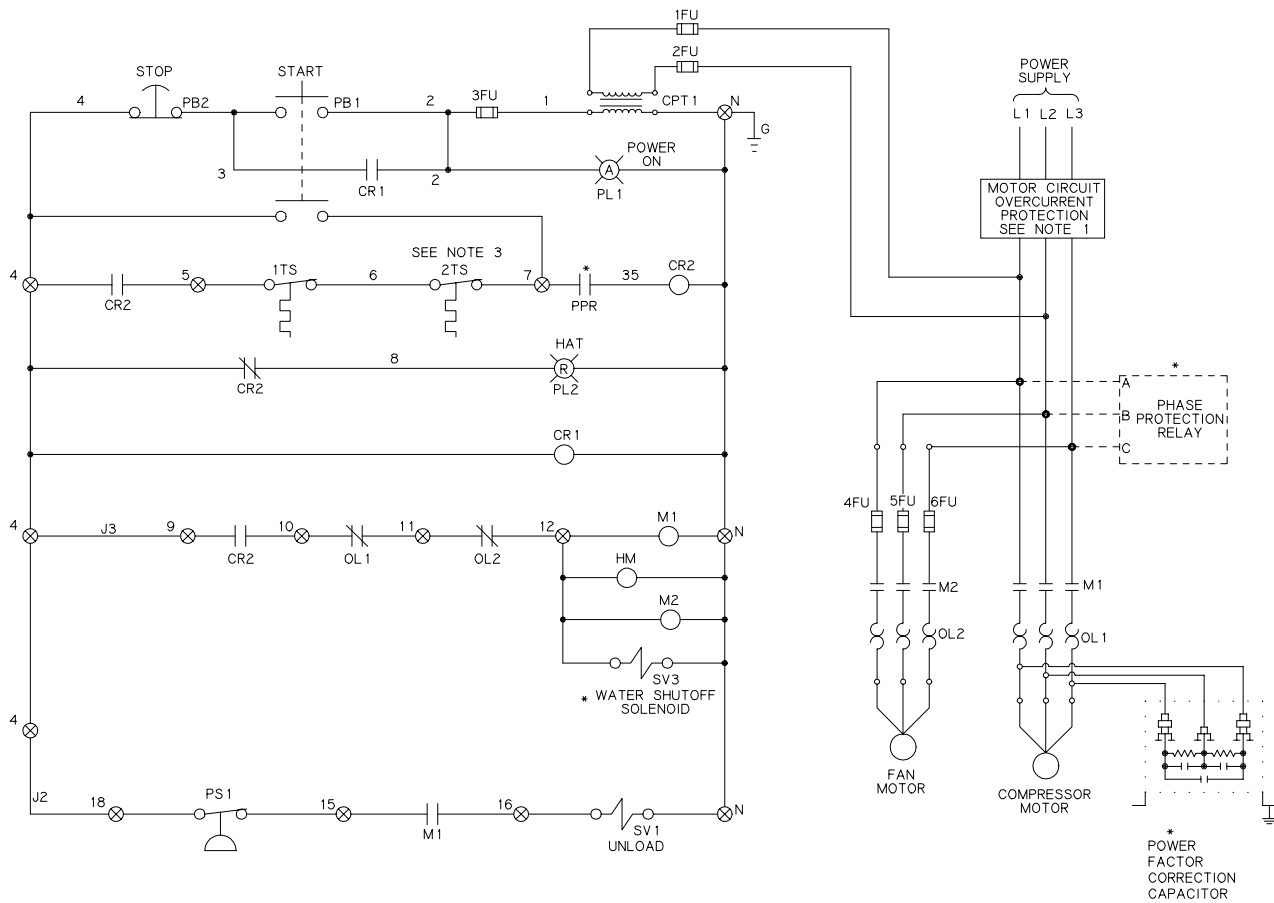
WYE-DELTA STARTING *



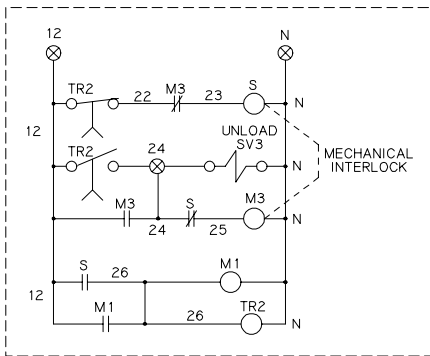
- NOTES**
- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
 - 2) UNLESS OTHERWISE SPECIFIED ALL WIRES ARE RED EXCEPT "N" WIRES ARE WHITE AND "G" WIRE IS GREEN.
 - 3) THIS TEMPERATURE SWITCH IS USED ON 100 THRU 150HP ONLY.

ELECTRICAL CONTROL DIAGRAM (continuous run)

WP1861C



WYE-DELTA STARTING *

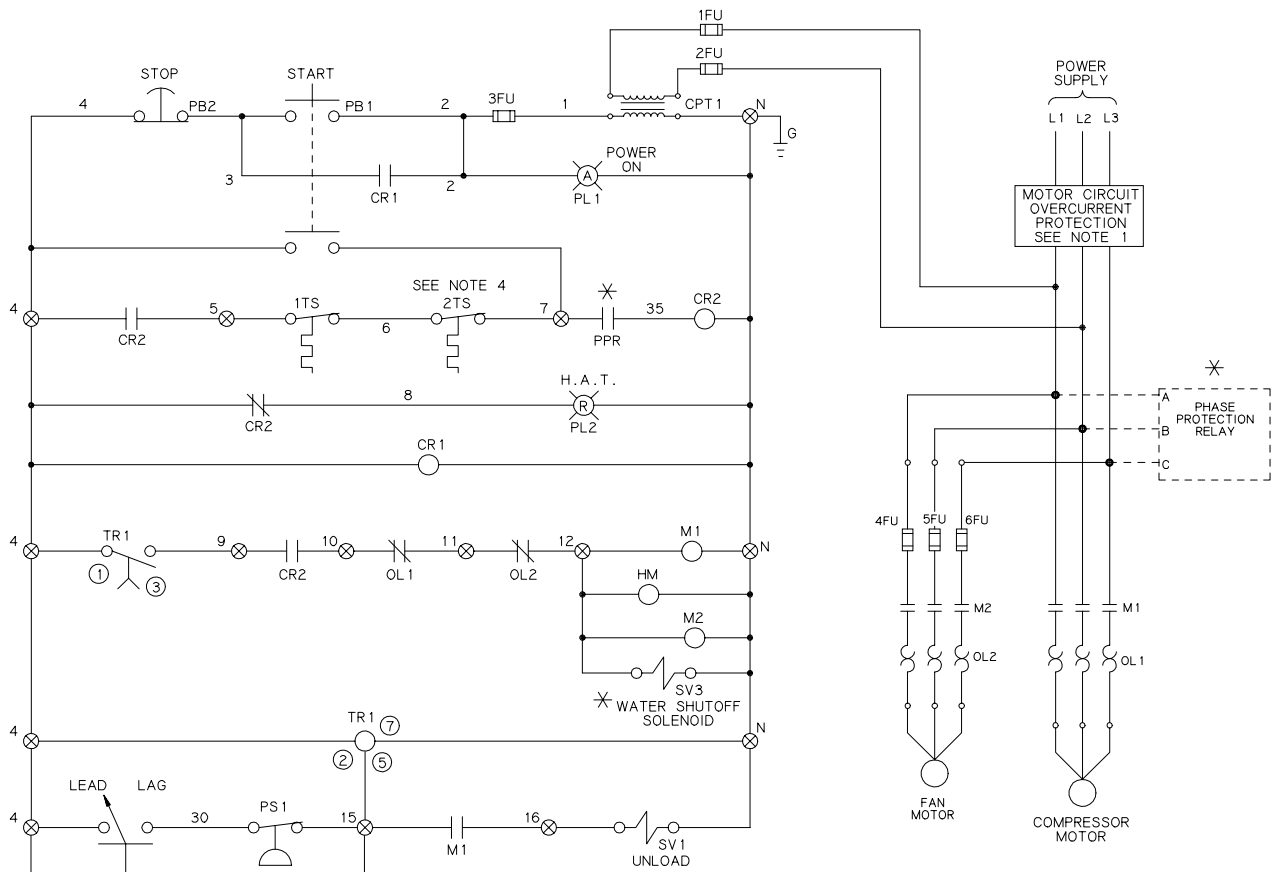


- NOMENCLATURE
- FU FUSE
 - PB PUSH BUTTON
 - SS SELECTOR SWITCH
 - CR CONTROL RELAY
 - CPT CONTROL POWER TRANS
 - TS TEMPERATURE SWITCH
 - HAT HIGH AIR TEMPERATURE
 - PL PANEL LIGHT
 - TR TIMING RELAY
 - OL OVERLOAD RELAY
 - M CONTACTOR
 - SV SOLENOID VALVE
 - PS PRESSURE SWITCH
 - ⊗ SCREW TERMINAL
 - ⊙ OCTAL SOCKET NUMBER
 - * OPTIONALS
 - HM HOUR METER
 - J JUMPERS

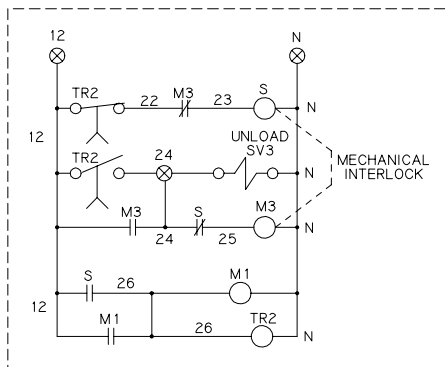
- NOTES
- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
 - 2) UNLESS OTHERWISE SPECIFIED ALL WIRES ARE RED EXCEPT "N" WIRES ARE WHITE AND "G" WIRE IS GREEN.
 - 3) THIS TEMPERATURE SWITCH USED ON 100 THRU 150HP MODELS ONLY.

ELECTRICAL CONTROL DIAGRAM (lead/lag)

WP1861D



WYE-DELTA STARTING *



NOMENCLATURE

- FU FUSE
- PB PUSH BUTTON
- SS SELECTOR SWITCH
- CR CONTROL RELAY
- CPT CONTROL POWER TRANS
- TS TEMPERATURE SWITCH
- HAT HIGH AIR TEMPERATURE
- PL PANEL LIGHT
- TR TIMING RELAY
- OL OVERLOAD RELAY
- M CONTACTOR
- SV SOLENOID VALVE
- PS PRESSURE SWITCH
- ⊗ SCREW TERMINAL
- Ⓝ OCTAL SOCKET NUMBER
- * OPTIONAL
- H HOUR METER
- J JUMPERS

NOTES

- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
- 2) UNLESS OTHERWISE SPECIFIED ALL WIRES ARE RED EXCEPT "N" WIRES ARE WHITE AND "G" WIRE IS GREEN.
- 3) PS1 MUST NOT BE ADJUSTED TO CAUSE MOTOR LOAD TO EXCEED MOTOR NAMEPLATE. PS2 IS SET 5 PSIG LESS THAN PS1.
- 4) THIS TEMPERATURE SWITCH USED ON 100 THRU 150HP ONLY.

RECOMMENDED SPARE PARTS

QTY.	PART NUMBER	DESCRIPTION
1	129731-050	KIT-LINE FILTER
1	140147	VALVE-THERMAL CARTRIDGE
1	129212	KIT-CHECK VALVE
1	122862-900	TIMER-15 MINUTE
4	125706-005	RELAY
2	122880S222	SWITCH-TEMPERATURE
*1	127631-001	SEPARATOR
*2	23458-1	ELEMENT-AIR FILTER
*2	128381-050	ELEMENT-FLUID FILTER
*1	127462-005	FLUID-QUINSYN (5 GALLON CONTAINER)
1	127462-055	FLUID-QUINSYN (55 GALLON CONTAINER)
*1	110756-005	FLUID-QUINSYN-F (5 GALLON CONTAINER)
1	110756-055	FLUID-QUINSYN-F (55 GALLON CONTAINER)

NOTE: THE ITEMS MARKED (*) ARE INCLUDED IN THE MAINTENANCE KITS BELOW.
NEW OR CHANGED ITEMS ABOVE ARE IN ***BOLD ITALICS***.

MAINTENANCE KITS

QUINSYN (STANDARD)

1	127667-S80	MAINTENANCE KIT <i>includes:</i>
1	127631-001	SEPARATOR
3	127462-005	FLUID-QUINSYN (5 GALLON CONTAINER)
2	23458-1	ELEMENT-AIR FILTER
3	128381-050	ELEMENT-FLUID FILTER

QUINSYN-F (FOOD GRADE)

1	127667FS80	MAINTENANCE KIT <i>includes:</i>
1	127631-001	SEPARATOR
3	110756-005	FLUID-QUINSYN-F (5 GALLON CONTAINER)
2	23458-1	ELEMENT-AIR FILTER
3	128381-050	ELEMENT-FLUID FILTER

COMPRESSOR FLUID ANALYSIS KIT 128515

Provides Early Detection of Excessive Parts Wear, Fluid Breakdown, or a Contaminated Fluid System.

NOTES

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NOTES

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