



QSI-335i/370i

QSI-440i/500i

Direct Drive Air Compressor



Parts Manual

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 equipment.

Manual No. 65096-1A

April 2006 Edition

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Manual Brought to You By: IndustrialAirPower.com

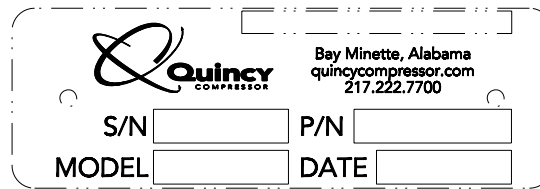
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(Dates in parentheses indicate updates since original publication.)

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.



The image shows a rectangular serial number tag with a dashed border. In the top left corner is the Quincy Compressor logo, which consists of a stylized 'Q' followed by the word 'Quincy' in a bold, sans-serif font, with 'COMPRESSOR' in a smaller font below it. To the right of the logo, the text 'Bay Minette, Alabama', 'quincycompressor.com', and '217.222.7700' is printed. Below the logo, there are four input fields arranged in a 2x2 grid. The top row has 'S/N' followed by a box and 'P/N' followed by a box. The bottom row has 'MODEL' followed by a box and 'DATE' followed by a box.

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. Part numbers should be verified per the bill of materials associated with the serial number to ensure that correct replacement parts are ordered.
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.

Fluid Specifications

Quincy Compressor® recommends that all Quincy Rotary Screw Products be filled with one of the following QuinSyn® Brand synthetic fluids:

★QuinSyn Plus™★

★QuinSyn XP®★

★QuinSyn PG™★

★QuinSyn F® (food grade)★

Synthetic fluids other than QuinSyn brand(s) may not be compatible with components used in Quincy Compressor products. If it is deemed necessary to convert a Quincy compressor or vacuum pump to a synthetic other than QuinSyn brand, 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 when changing compressor fluid:

MODEL (CIRCLE CONFIGURATION):	QSI	HORSEPOWER 75 100	COOLING A/C	PSI 100 110 125
SERIAL NO.				FLUID ORIGINALLY USED:
FLUID NOW USED (IF CHANGED):				NEW FLUID TO BE USED:

Additional information regarding fluid specifications can be found in the Instruction Manual shipped with your unit.

- **Fluid Analysis Kit**

Quincy Compressor 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**

- | | | |
|---------------|---|------------|
| QSI 335i/370i | - | 15 gallons |
| QSI 440i/500i | - | 15 gallons |

Recommended Spare Parts

QTY.	PART NUMBER	DESCRIPTION
1	140209	SHAFT SEAL KIT (QSI-370i)
1	140413	SHAFT SEAL KIT (QSI-500i)
1	122880-232	TEMPERATURE SWITCH (230°F)
1	146175-100	DIFFERENTIAL PILOT VALVE KIT (INCLUDES DIAPHRAGM ASSEMBLY & SEAT)
1	146397-08	AIR FILTER ELEMENT (QSI-370i)
1	146397-10	AIR FILTER ELEMENT (QSI-500i)
2	144606-01	AIR/FLUID SEPARATOR
1	142136	FLUID FILTER ELEMENT
1	125657-067	THERMAL VALVE KIT (INCLUDES ELEMENT, SEAL & O-RING)
3	143808-005	QUINSYN PG FLUID (5 GALLON CONTAINER)
3	144046-005	QUINSYN PLUS FLUID (5 GALLON CONTAINER)
3	110756-005	QUINSYN F FLUID (5 GALLON CONTAINER)
3	142784-005	QUINSYN XP FLUID (5 GALLON CONTAINER)



WARNING



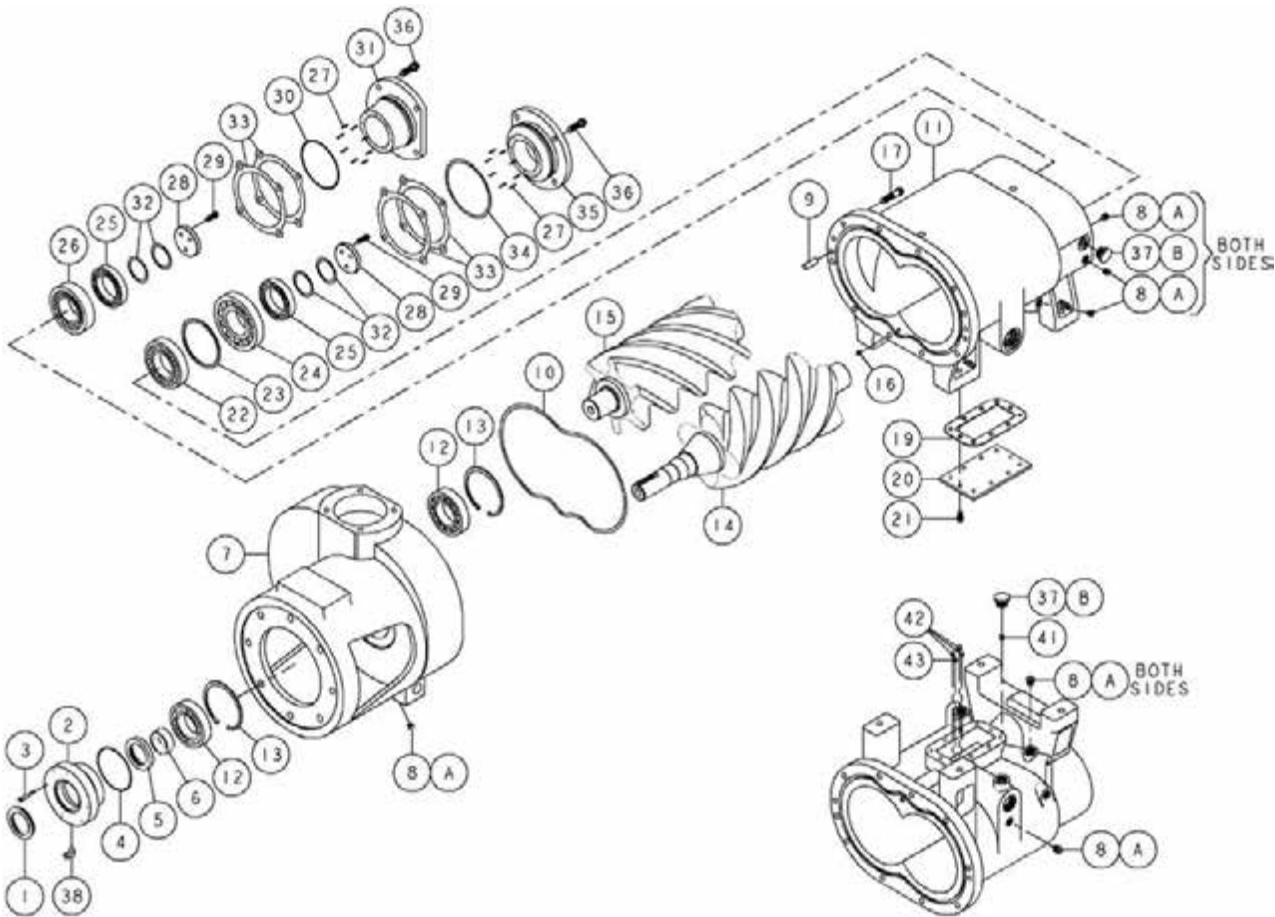
GUARDS MUST BE FASTENED IN PLACE BEFORE STARTING THE MACHINE AND NEVER REMOVED BEFORE DISCONNECTING AND LOCKING OUT THE MAIN POWER SUPPLY.



ANGER



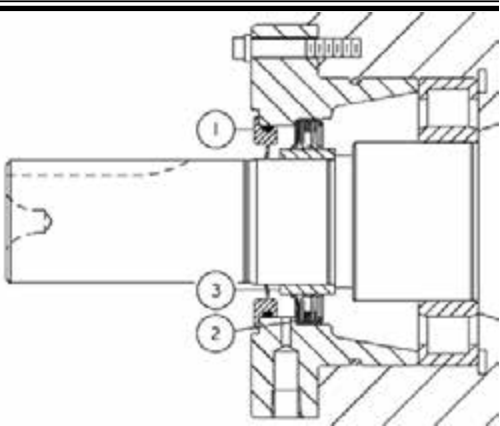
AIR IN THE PIPING FROM THIS EQUIPMENT WILL CAUSE SEVERE INJURY OR DEATH IF USED FOR BREATHING AIR OR FOOD PROCESSING (IF NON-FOOD GRADE FLUID IS USED). AIR USED FOR THESE PROCESSES MUST MEET OSHA 29CFR1910.134 OR FDA 21CFR178.3570 STANDARDS.



Shaft Seal Kit - 140209

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129613	COMPRESSOR FLUID SLINGER
2	1	129612	SHAFT SEAL
3	1	129610	WEAR RING SEAL

REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR
SHAFT SEAL. TOOL KIT 140284 FOR QSI SHAFT SEAL AND WEAR
RING INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.



Airend (QSI-370i, less PowerSync, less fluid pump) - 146110-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	129613	COMPRESSOR FLUID SLINGER
2	1	129466	SEAL ADAPTER
3	4	90386-J15	COUNTERBORE SCREW-1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT-LBS)
4	1	22749-154	VITON O-RING-3.75 I.D.
5	1	129612	SHAFT SEAL
6	1	129610	WEAR RING SEAL
7	*		INLET CASING
8	11	128883-044	PIPE PLUG-7/16-20 (O-RING)
9	2	124145-005	DOWEL PIN
10	1	22749-457	VITON O-RING-14.00 I.D.
11	*		ROTOR HOUSING
12	*		ROTOR BEARING
13	*		BEARING
14	*		MALE ROTOR-204 MM
15	*		FEMALE ROTOR-204 MM
16	1	23207	PLUG ORIFICE-0.12 NPT
17	10	90386-N17	COUNTERBORE SCREW-1/2-13 UNC X 2.00, GRADE 8 (@ 75 FT-LBS)
19	1	23548	FLUID GALLERY PLATE GASKET
20	1	23544	FLUID GALLERY COVER PLATE
21	10	90386-L12	COUNTERBORE SCREW-3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT-LBS)
22	*		ROTOR BEARING
23	1	129964-002	BEARING RETAINER RING
24	*		ROTOR BEARING
25	*		ROTOR BEARING
26	*		ROTOR BEARING
27	16	144066	COMPRESSION SPRING
28	2	143922	BEARING RETAINER
29	6	90386-L14	COUNTERBORE SCREW-3/8-16 UNC X 1.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
30	1	22749-245	VITON O-RING-4.38 I.D.
31	1	143949	DISCHARGE END CAP
32	**	140895	ROTOR SHIM-TEMPERED STEEL/BRASS
33	**	129997	ROTOR SHIM-TEMPERED STEEL/BRASS
34	1	22749-252	VITON O-RING-5.25 I.D.
35	1	143950	DISCHARGE END CAP
36	8	90386-N15	COUNTERBORE SCREW-1/2-13 UNC X 1.50, GRADE 8 (@ 75 FT-LBS)
37	3	128883-075	PIPE PLUG-3/4-16 (O-RING)
38	1	128967-001	45° MALE ELBOW-0.25 TUBE X 0.12 NPT
41	1	126621-004	PLUG ORIFICE-0.25 NPT
42	3	126621-002	PLUG ORIFICE-0.125 NPT

COMPONENT MAINTENANCE PARTS

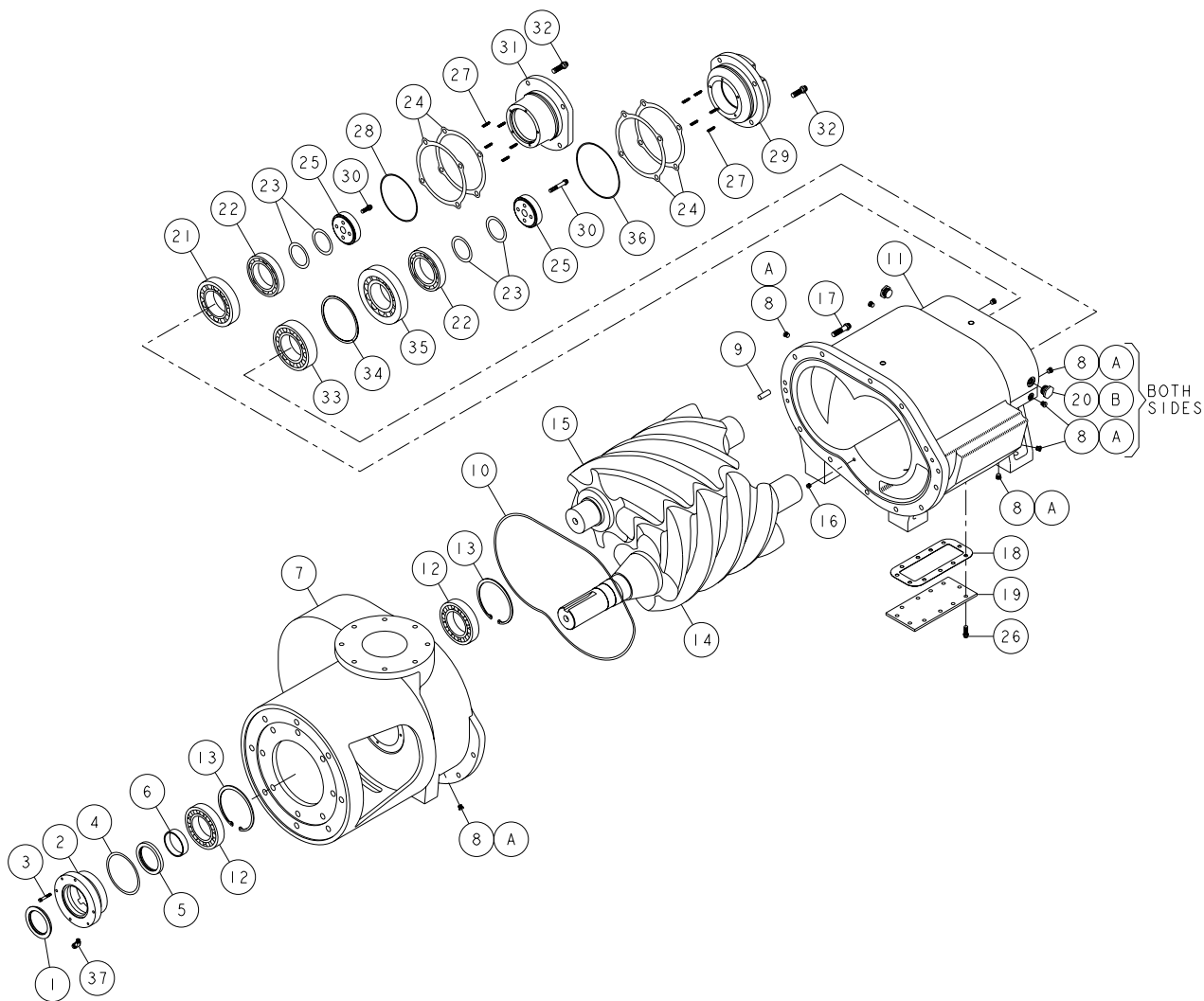
A	11	140406-904	VITON O-RING-0.35 I.D.
B	3	140406-908	VITON O-RING-0.64 I.D.

* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

** QUANTITY AS REQUIRED.

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

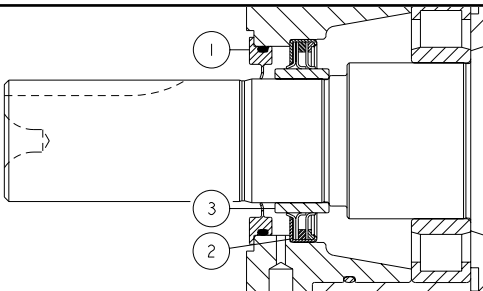
Airend (QSI-500i, less Power\$ync, less fluid pump) - 146111-001



Shaft Seal Kit - 140413

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129619	COMPRESSOR FLUID SLINGER
2	1	129618	SHAFT SEAL
3	1	129620	WEAR RING SEAL

REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR
SHAFT SEAL. TOOL KIT 140414 FOR SHAFT SEAL AND WEAR RING
INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.



Airend (QSI-500i, less PowerSync, less fluid pump) - 146111-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	129619	COMPRESSOR FLUID SLINGER
2	1	129617	SEAL ADAPTER
3	4	90386-J15	COUNTERBORE SCREW-1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT-LBS)
4	1	22749-249	VITON O-RING-4.88 I.D.
5	1	129618	SHAFT SEAL
6	1	129620	WEAR RING SEAL
7	*		INLET CASING
8	12	128883-044	PIPE PLUG-7/16-20 (O-RING)
9	2	124145-005	DOWEL PIN
10	1	22749-466	VITON O-RING-18.50 I.D.
11	*		ROTOR HOUSING
12	*		ROTOR BEARING-SUCTION END
13	2	128203-500	BEARING RETAINER RING
14	*		MALE ROTOR-255 MM
15	*		FEMALE ROTOR-255 MM
16	1	23207	PLUG ORIFICE-0.12 NPT
17	12	90386-N17	COUNTERBORE SCREW-1/2-13 UNC X 2.00, GRADE 8 (@ 75 FT-LBS)
18	1	23218	FLUID GALLERY PLATE GASKET
19	1	23217	FLUID GALLERY COVER PLATE
20	2	128883-075	PIPE PLUG-3/4-16 (O-RING)
21	*		ROTOR BEARING
22	*		ROTOR BEARING
23	**	140889	ROTOR SHIM-TEMPERED STEEL & STAINLESS STEEL/BRASS
24	**	129995	ROTOR SHIM-TEMPERED STEEL & STAINLESS STEEL/BRASS
25	2	129624	BEARING RETAINER
26	10	90386-L12	COUNTERBORE SCREW-3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT-LBS)
27	10	129979	COMPRESSION SPRING
28	1	22749-251	VITON O-RING-5.12 I.D.
30	8	90386-L14	COUNTERBORE SCREW-3/8-16 UNC X 1.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
31	1	129980	DISCHARGE END CAP
32	8	90386-N15	COUNTERBORE SCREW-1/2-13 UNC X 1.50, GRADE 8 (@ 75 FT-LBS)
33	*		ROTOR BEARING
34	1	124530	BEARING RETAINER RING
35	*		ROTOR BEARING
36	1	22749-259	VITON O-RING-6.25 I.D.
37	1	128967-001	45° MALE ELBOW-0.25 TUBE X 0.12 NPT
39	1	129992	DISCHARGE END CAP

COMPONENT MAINTENANCE PARTS

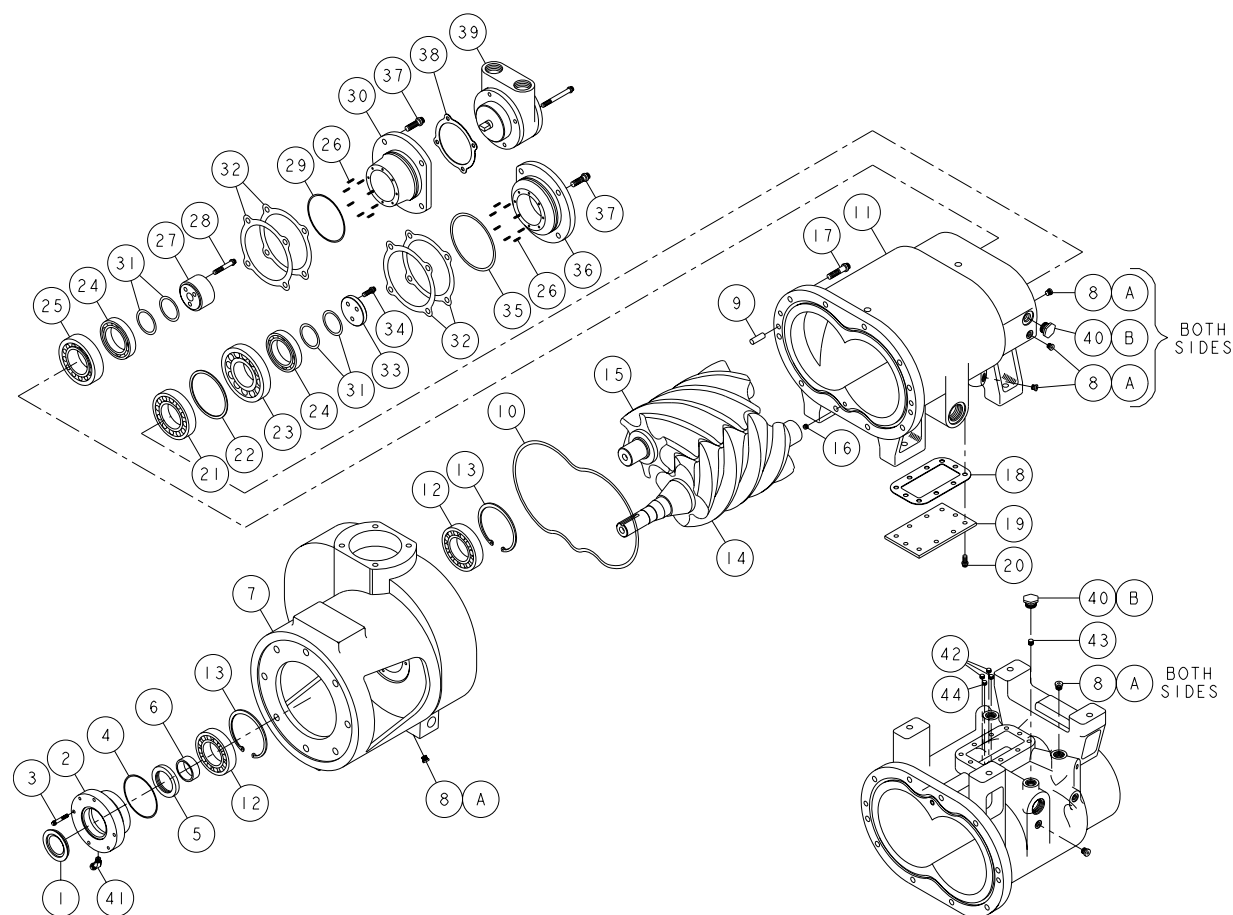
A	12	140406-904	VITON O-RING-0.35 I.D.
B	2	140406-908	VITON O-RING-0.64 I.D.

* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

** QUANTITY AS REQUIRED.

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Airend (QSI-370i, less Power\$ync, with fluid pump) - 146049-001



Shaft Seal Kit - 140209

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129613	COMPRESSOR FLUID SLINGER
2	1	129612	SHAFT SEAL
3	1	129610	WEAR RING SEAL

REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR
SHAFT SEAL. TOOL KIT 140284 FOR QSI SHAFT SEAL AND WEAR
RING INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.

Airend (QSI-370i, less Power\$ync, with fluid pump) - 146049-001

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129613	COMPRESSOR FLUID SLINGER
2	1	129466	SEAL ADAPTER
3	4	90386-J15	COUNTERBORE SCREW-1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT-LBS)
4	1	22749-154	VITON O-RING-3.75 I.D.
5	1	129612	SHAFT SEAL
6	1	129610	WEAR RING SEAL
7	*		INLET CASING
8	11	128883-044	PIPE PLUG-7/16-20 (O-RING)
9	2	124145-005	DOWEL PIN
10	1	22749-457	VITON O-RING-14.00 I.D.
11	*		ROTOR HOUSING
12	*		ROTOR BEARING
13	*		BEARING
14	*		MALE ROTOR-204 MM
15	*		FEMALE ROTOR-204 MM
16	1	23207	PLUG ORIFICE-0.12 NPT
17	10	90386-N17	COUNTERBORE SCREW-1/2-13 UNC X 2.00, GRADE 8 (@ 75 FT-LBS)
18	1	23548	FLUID GALLERY PLATE GASKET
19	1	23544	FLUID GALLERY COVER PLATE
20	10	90386-L12	COUNTERBORE SCREW-3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT-LBS)
21	*		ROTOR BEARING
22	1	129964-002	BEARING RETAINER RING
23	*		ROTOR BEARING
24	*		ROTOR BEARING
25	*		ROTOR BEARING
26	16	144066	COMPRESSION SPRING
27	1	141025	BEARING RETAINER
28	3	90386-L21	COUNTERBORE SCREW-3/8-16 UNC X 3.00, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
29	1	22749-245	VITON O-RING-4.38 I.D.
30	1	143920	FLUID PUMP ADAPTER
31	**	140895	ROTOR SHIM-TEMPERED STEEL/BRASS
32	**	129997	ROTOR SHIM-TEMPERED STEEL/BRASS
33	1	143922	BEARING RETAINER
34	3	90386-L14	COUNTERBORE SCREW-3/8-16 UNC X 1.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
35	1	22749-252	VITON O-RING-5.25 I.D.
36	1	143950	DISCHARGE END CAP
37	8	90386-N15	COUNTERBORE SCREW-1/2-13 UNC X 1.50, GRADE 8 (@ 75 FT-LBS)
38	1	22531	FLUID PUMP GASKET
39	1	125452-009	COMPRESSOR FLUID PUMP
40	3	128883-075	PIPE PLUG-3/4-16 (O-RING)
41	1	128967-001	45° MALE ELBOW-0.25 TUBE X 0.12 NPT
42	3	126621-002	PLUG ORIFICE-0.125 NPT
43	1	126621-004	PLUG ORIFICE-0.25 NPT
44	1	121160	PIPE PLUG-0.125 NPT

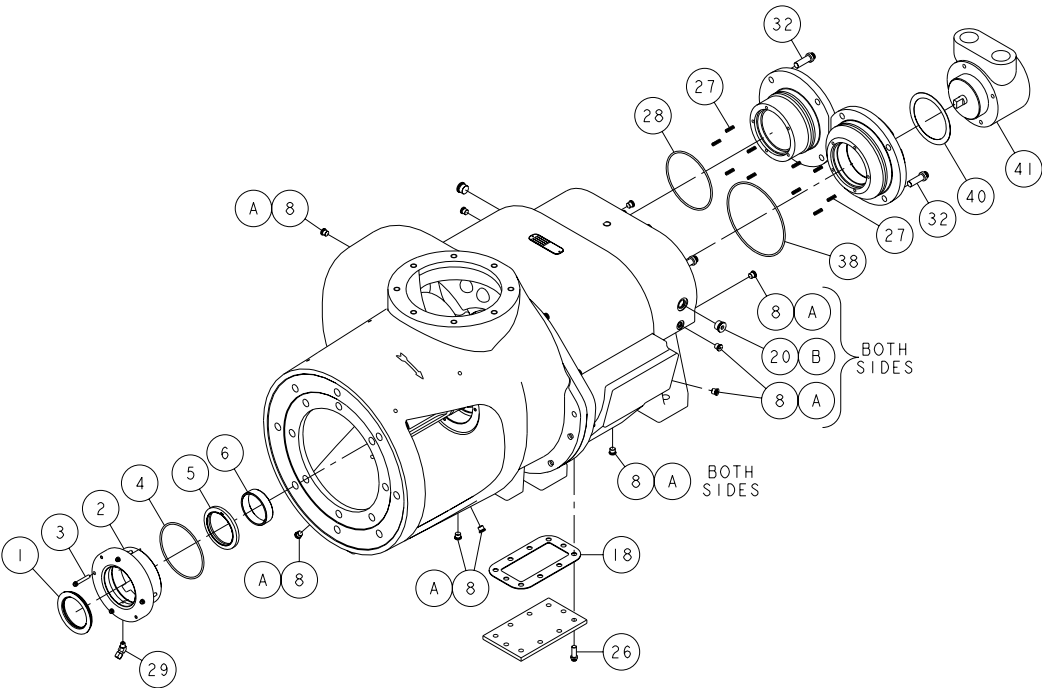
COMPONENT MAINTENANCE PARTS

A	11	140406-904	VITON O-RING-0.35 I.D.
B	3	140406-908	VITON O-RING-0.64 I.D.

* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

** QUANTITY AS REQUIRED.

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

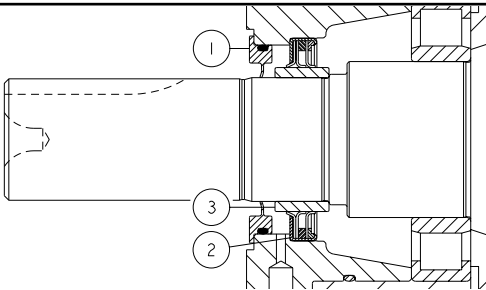


NOTES - UNLESS OTHERWISE SPECIFIED:
1) ONLY EXTERNAL, REPLACEABLE ITEMS ARE SHOWN.
INTERNAL AIREND COMPONENTS ARE NOT SHOWN.
2) NOT ALL REPLACEABLE ITEMS ARE SHOWN.

Shaft Seal Kit - 140413

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129619	COMPRESSOR FLUID SLINGER
2	1	129618	SHAFT SEAL
3	1	129620	WEAR RING SEAL

REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR
SHAFT SEAL. TOOL KIT 140414 FOR SHAFT SEAL AND WEAR RING
INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.



Airend (QSI-500i, less Power\$ync, with fluid pump) - 146060-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	129619	COMPRESSOR FLUID SLINGER
2	1	129617	SEAL ADAPTER
3	4	90386-J15	COUNTERBORE SCREW-1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT-LBS)
4	1	22749-249	VITON O-RING-4.88 I.D.
5	1	129618	SHAFT SEAL
6	1	129620	WEAR RING SEAL
7	*		INLET CASING
8	15	128883-044	PIPE PLUG-7/16-20 (O-RING)
9	2	124145-005	DOWEL PIN
10	1	22749-466	VITON O-RING-18.50 I.D.
11	*		ROTOR HOUSING
12	*		ROTOR BEARING-SUCTION END
13	2	128203-500	BEARING RETAINER RING
14	*		MALE ROTOR-255 MM
15	*		FEMALE ROTOR-255 MM
16	1	23207	PLUG ORIFICE-0.12 NPT
17	12	90386-N17	COUNTERBORE SCREW-1/2-13 UNC X 2.00, GRADE 8 (@ 75 FT-LBS)
18	1	23218	FLUID GALLERY PLATE GASKET
19	1	23217	FLUID GALLERY COVER PLATE
20	2	128883-075	PIPE PLUG-3/4-16 (O-RING)
21	*		ROTOR BEARING
22	*		ROTOR BEARING
23	**	140889	ROTOR SHIM-TEMPERED STEEL & STAINLESS STEEL/BRASS
24	**	129995	ROTOR SHIM-TEMPERED STEEL & STAINLESS STEEL/BRASS
25	1	129624	BEARING RETAINER
26	10	90386-L12	COUNTERBORE SCREW-3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT-LBS)
27	10	129979	COMPRESSION SPRING
28	1	22749-251	VITON O-RING-5.12 I.D.
29	1	128967-001	45° MALE ELBOW-0.25 TUBE X 0.12 NPT
30	4	90386-L14	COUNTERBORE SCREW-3/8-16 UNC X 1.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
31	1	129980	DISCHARGE END CAP
32	8	90386-N15	COUNTERBORE SCREW-1/2-13 UNC X 1.50, GRADE 8 (@ 75 FT-LBS)
33	*		ROTOR BEARING
34	1	124530	BEARING RETAINER RING
35	*		ROTOR BEARING
36	1	129982-3	BEARING RETAINER
37	4	90386-L18	COUNTERBORE SCREW-3/8-16 UNC X 2.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
38	1	22749-259	VITON O-RING-6.25 I.D.
39	1	129981	FLUID PUMP ADAPTER
40	1	20071	FLUID PUMP GASKET
41	1	125452-011	COMPRESSOR FLUID PUMP

COMPONENT MAINTENANCE PARTS

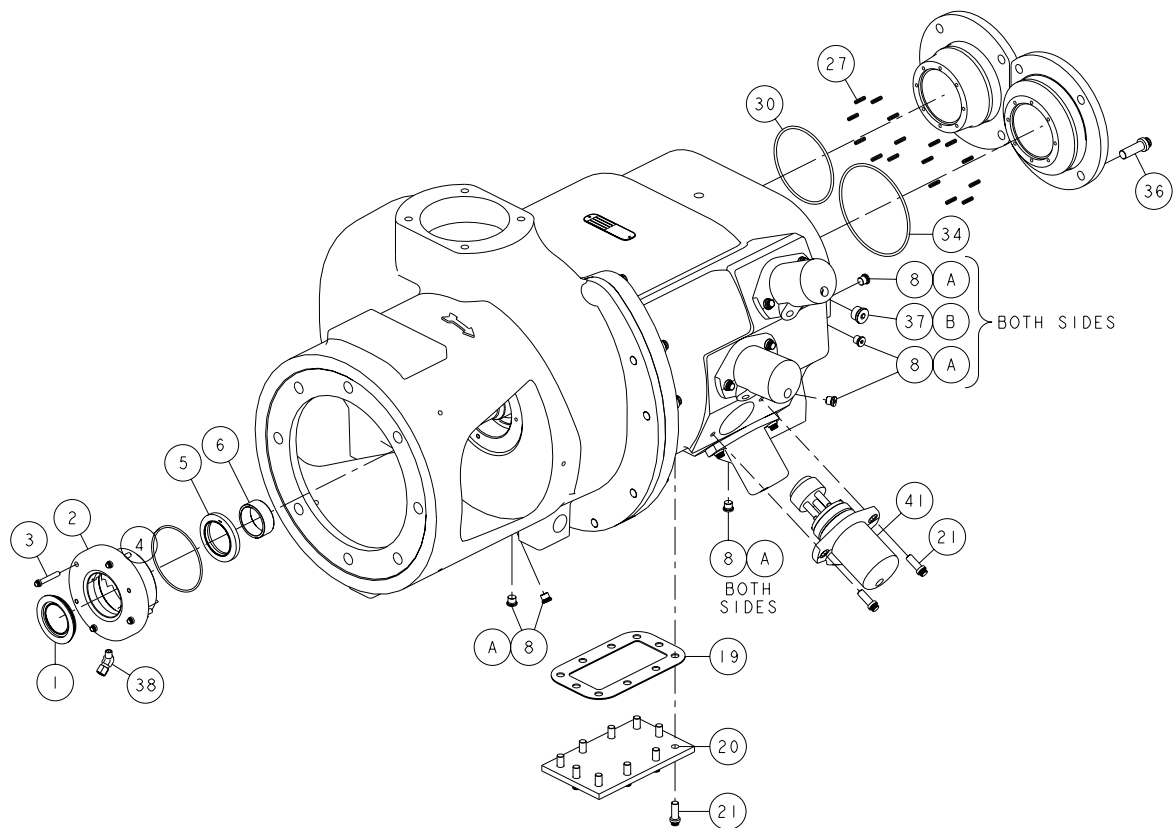
A	15	140406-904	VITON O-RING-0.35 I.D.
B	2	140406-908	VITON O-RING-0.64 I.D.

* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

** QUANTITY AS REQUIRED.

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Airend (QSI-370i, with Power\$ync, less fluid pump) - 146047-001



NOTES - UNLESS OTHERWISE SPECIFIED:
1) ONLY EXTERNAL, REPLACEABLE ITEMS ARE SHOWN.
INTERNAL AIREND COMPONENTS ARE NOT SHOWN.
2) NOT ALL REPLACEABLE ITEMS ARE SHOWN.

Shaft Seal Kit - 140209

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129613	COMPRESSOR FLUID SLINGER
2	1	129612	SHAFT SEAL
3	1	129610	WEAR RING SEAL

REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR
SHAFT SEAL. TOOL KIT 140284 FOR QSI SHAFT SEAL AND WEAR
RING INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.

Airend (QSI-370i, with Power\$ync, less fluid pump) - 146047-001

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129613	COMPRESSOR FLUID SLINGER
2	1	129466	SEAL ADAPTER
3	4	90386-J15	COUNTERBORE SCREW-1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT-LBS)
4	1	22749-154	VITON O-RING-3.75 I.D.
5	1	129612	SHAFT SEAL
6	1	129610	WEAR RING SEAL
7	*		INLET CASING
8	12	128883-044	PIPE PLUG-7/16-20 (O-RING)
9	2	124145-005	DOWEL PIN
10	1	22749-461	VITON O-RING-16.00 I.D.
11	*		ROTOR HOUSING
12	*		ROTOR BEARING
13	*		BEARING
14	*		MALE ROTOR-204 MM
15	*		FEMALE ROTOR-204 MM
16	1	23207	PLUG ORIFICE-0.12 NPT
17	12	90386-N17	COUNTERBORE SCREW-1/2-13 UNC X 2.00, GRADE 8 (@ 75 FT-LBS)
19	1	23548	FLUID GALLERY PLATE GASKET
20	1	23544	FLUID GALLERY COVER PLATE
21	18	90386-L12	COUNTERBORE SCREW-3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT-LBS)
22	*		ROTOR BEARING
23	1	129964-002	BEARING RETAINER RING
24	*		ROTOR BEARING
25	*		ROTOR BEARING
26	*		ROTOR BEARING
27	16	144066	COMPRESSION SPRING
28	2	143922	BEARING RETAINER
29	6	90386-L14	COUNTERBORE SCREW-3/8-16 UNC X 1.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
30	1	22749-245	VITON O-RING-4.38 I.D.
31	1	143949	DISCHARGE END CAP
32	**	140895	ROTOR SHIM-TEMPERED STEEL/BRASS
33	**	129997	ROTOR SHIM-TEMPERED STEEL/BRASS
34	1	22749-252	VITON O-RING-5.25 I.D.
35	1	143950	DISCHARGE END CAP
36	8	90386-N15	COUNTERBORE SCREW-1/2-13 UNC X 1.50, GRADE 8 (@ 75 FT-LBS)
37	2	128883-075	PIPE PLUG-3/4-16 (O-RING)
38	1	128967-001	45° MALE ELBOW-0.25 TUBE X 0.12 NPT
39	1	142854	PATENT PLATE
40	2	4029	DATA PLATE PIN
41	4	141449-1	LIFT VALVE (INCLUDES O-RING 22749-141)
42	3	126621-002	PLUG ORIFICE-0.125 NPT

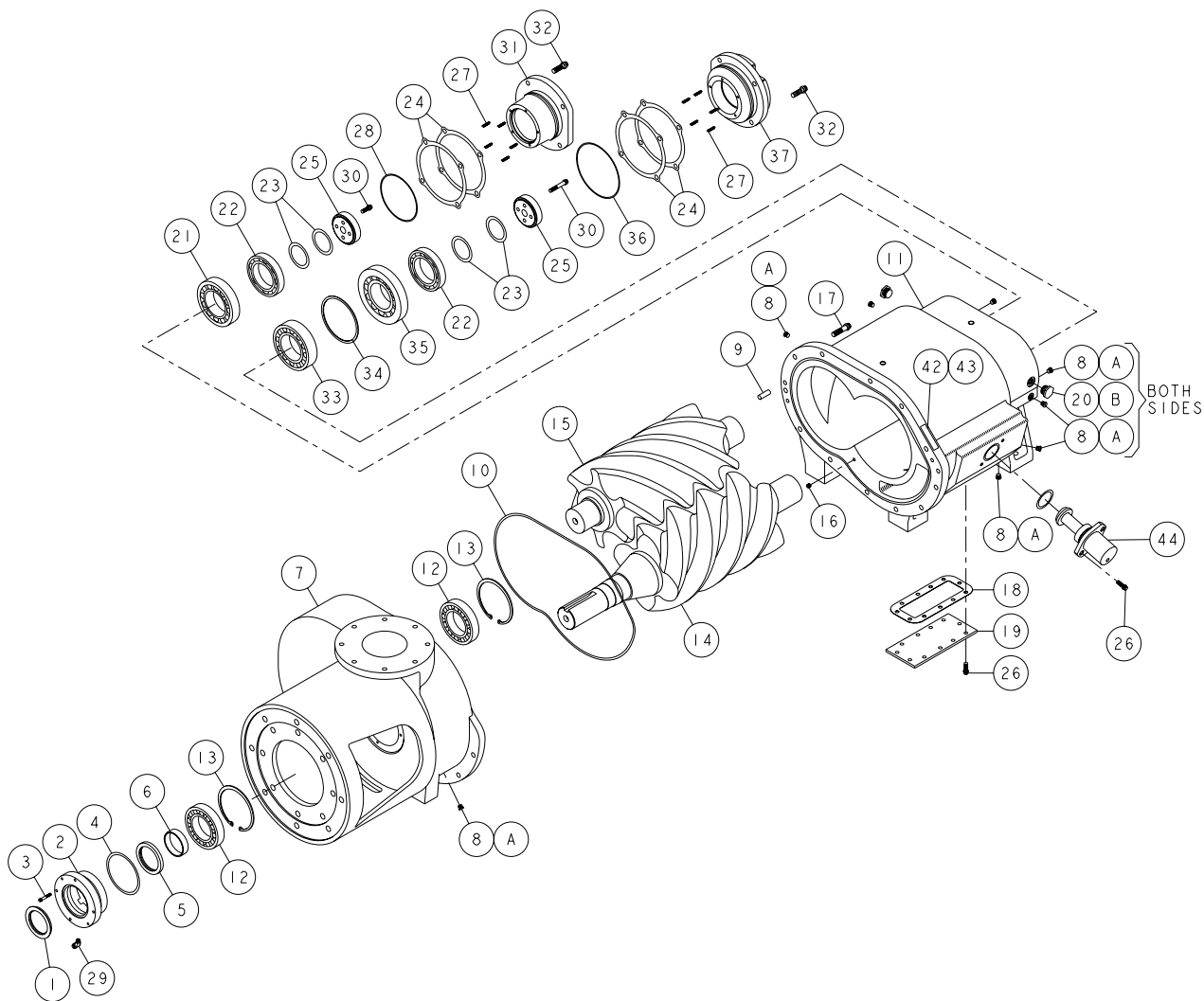
COMPONENT MAINTENANCE PARTS

A	12	140406-904	VITON O-RING-0.35 I.D.
B	2	140406-908	VITON O-RING-0.64 I.D.

* 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 - 140413

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129619	COMPRESSOR FLUID SLINGER
2	1	129618	SHAFT SEAL
3	1	129620	WEAR RING SEAL

REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR
SHAFT SEAL. TOOL KIT 140414 FOR SHAFT SEAL AND WEAR RING
INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.

Airend (QSI-500i, with Power\$ync, less fluid pump) - 146180-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	129619	COMPRESSOR FLUID SLINGER
2	1	129617	SEAL ADAPTER
3	4	90386-J15	COUNTERBORE SCREW-1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT-LBS)
4	1	22749-249	VITON O-RING-4.88 I.D.
5	1	129618	SHAFT SEAL
6	1	129620	WEAR RING SEAL
7	*		INLET CASING
8	12	128883-044	PIPE PLUG-7/16-20 (O-RING)
9	2	124145-005	DOWEL PIN
10	1	22749-466	VITON O-RING-18.50 I.D.
11	*		ROTOR HOUSING
12	*		ROTOR BEARING-SUCTION END
13	2	128203-500	BEARING RETAINER RING
14	*		MALE ROTOR-255 MM
15	*		FEMALE ROTOR-255 MM
16	1	23207	PLUG ORIFICE-0.12 NPT
17	12	90386-N17	COUNTERBORE SCREW-1/2-13 UNC X 2.00, GRADE 8 (@ 75 FT-LBS)
18	1	23218	FLUID GALLERY PLATE GASKET
19	1	23217	FLUID GALLERY COVER PLATE
20	2	128883-075	PIPE PLUG-3/4-16 (O-RING)
21	*		ROTOR BEARING
22	*		ROTOR BEARING
23	1	140889	ROTOR SHIM-TEMPERED STEEL & STAINLESS STEEL/BRASS
24	1	129995	ROTOR SHIM-TEMPERED STEEL & STAINLESS STEEL/BRASS
25	2	129624	BEARING RETAINER
26	18	90386-L12	COUNTERBORE SCREW-3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT-LBS)
27	10	129979	COMPRESSION SPRING
28	1	22749-251	VITON O-RING-5.12 I.D.
29	1	128967-001	45° MALE ELBOW-0.25 TUBE X 0.12 NPT
30	8	90386-L14	COUNTERBORE SCREW-3/8-16 UNC X 1.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
31	1	129980	DISCHARGE END CAP
32	8	90386-N15	COUNTERBORE SCREW-1/2-13 UNC X 1.50, GRADE 8 (@ 75 FT-LBS)
33	*		ROTOR BEARING
34	1	124530	BEARING RETAINER RING
35	*		ROTOR BEARING
36	1	22749-259	VITON O-RING-6.25 I.D.
37	1	129992	DISCHARGE END CAP
42	1	142854	PATENT PLATE
43	2	4029	DATA PLATE PIN
44	4	141790-1	LIFT VALVE (INCLUDES O-RING 22749-138)

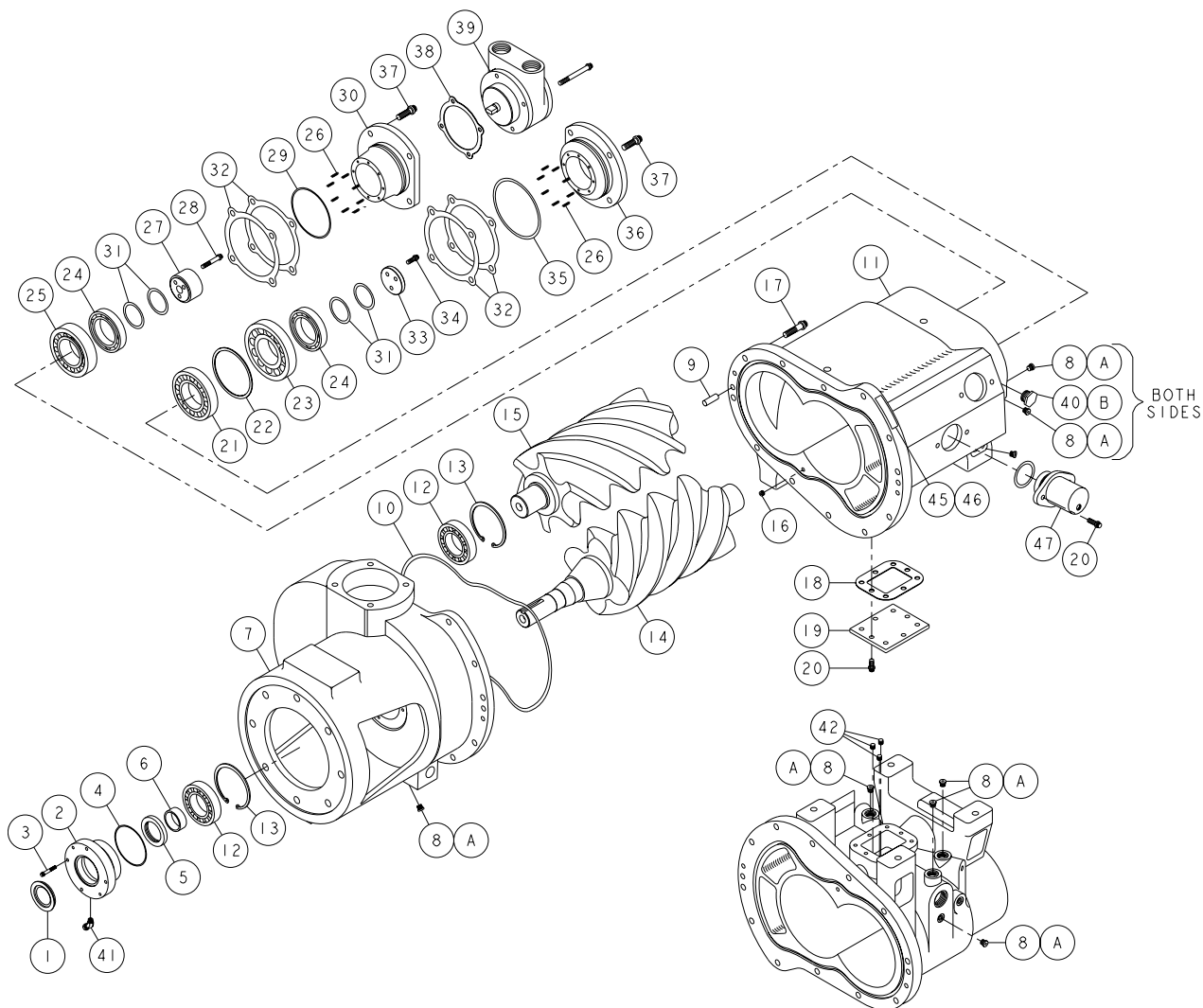
COMPONENT MAINTENANCE PARTS

A	12	140406-904	VITON O-RING-0.35 I.D.
B	2	140406-908	VITON O-RING-0.64 I.D.

* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

** QUANTITY AS REQUIRED.

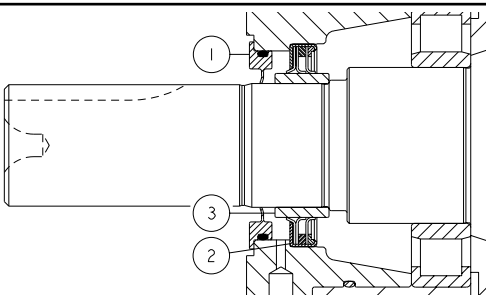
@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).



Shaft Seal Kit - 140209

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129613	COMPRESSOR FLUID SLINGER
2	1	129612	SHAFT SEAL
3	1	129610	WEAR RING SEAL

REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR
SHAFT SEAL. TOOL KIT 140284 FOR QSI SHAFT SEAL AND WEAR
RING INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.



Airend (QSI-370i, with Power\$ync, with fluid pump) - 146043-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	129613	COMPRESSOR FLUID SLINGER
2	1	129466	SEAL ADAPTER
3	4	90386-J15	COUNTERBORE SCREW-1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT-LBS)
4	1	22749-154	VITON O-RING-3.75 I.D.
5	1	129612	SHAFT SEAL
6	1	129610	WEAR RING SEAL
7	*		INLET CASING
8	12	128883-044	PIPE PLUG-7/16-20 (O-RING)
9	2	124145-005	DOWEL PIN
10	1	22749-461	VITON O-RING-16.00 I.D.
11	*		ROTOR HOUSING
12	*		ROTOR BEARING
13	*		BEARING
14	*		MALE ROTOR-204 MM
15	*		FEMALE ROTOR-204 MM
16	1	23207	PLUG ORIFICE-0.12 NPT
17	12	90386-N17	COUNTERBORE SCREW-1/2-13 UNC X 2.00, GRADE 8 (@ 75 FT-LBS)
18	1	23548	FLUID GALLERY PLATE GASKET
19	1	23544	FLUID GALLERY COVER PLATE
20	18	90386-L12	COUNTERBORE SCREW-3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT-LBS)
21	*		ROTOR BEARING
22	1	129964-002	BEARING RETAINER RING
23	*		ROTOR BEARING
24	*		ROTOR BEARING
25	*		ROTOR BEARING
26	16	144066	COMPRESSION SPRING
27	1	141025	BEARING RETAINER
28	3	90386-L21	COUNTERBORE SCREW-3/8-16 UNC X 3.00, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
29	1	22749-245	VITON O-RING-4.38 I.D.
30	1	143920	FLUID PUMP ADAPTER
31	1	140895	ROTOR SHIM-TEMPERED STEEL/BRASS
32	1	129997	ROTOR SHIM-TEMPERED STEEL/BRASS
33	1	143922	BEARING RETAINER
34	3	90386-L14	COUNTERBORE SCREW-3/8-16 UNC X 1.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
35	1	22749-252	VITON O-RING-5.25 I.D.
36	1	143950	DISCHARGE END CAP
37	8	90386-N15	COUNTERBORE SCREW-1/2-13 UNC X 1.50, GRADE 8 (@ 75 FT-LBS)
38	1	22531	FLUID PUMP GASKET
39	1	125452-009	COMPRESSOR FLUID PUMP
40	2	128883-075	PIPE PLUG-3/4-16 (O-RING)
41	1	128967-001	45° MALE ELBOW-0.25 TUBE X 0.12 NPT
42	3	126621-002	PLUG ORIFICE-0.125 NPT
45	1	142854	PATENT PLATE
46	2	4029	DATA PLATE PIN
47	4	141449-1	LIFT VALVE (INCLUDES O-RING 22749-141)

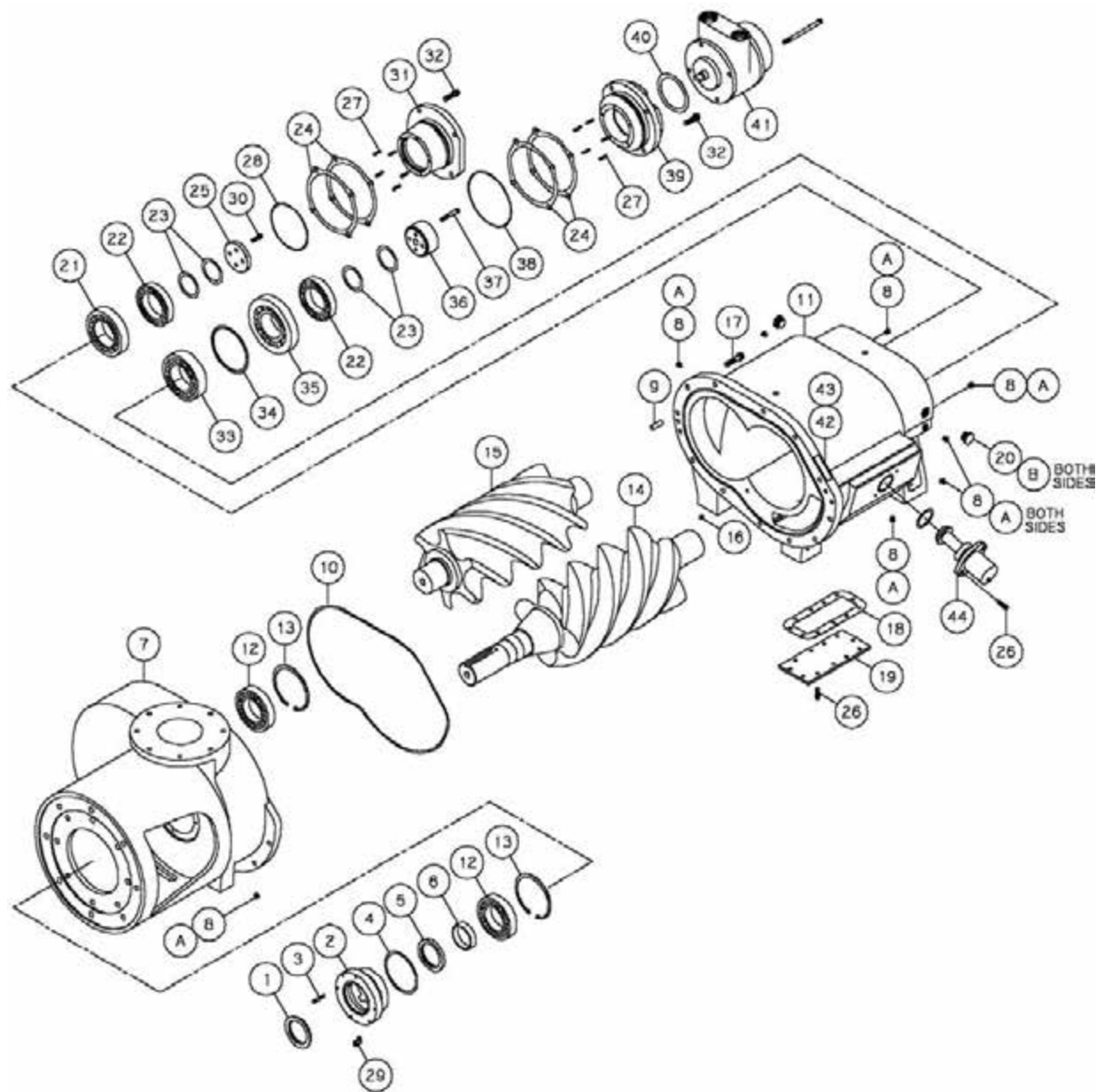
COMPONENT MAINTENANCE PARTS

A	12	140406-904	VITON O-RING-0.35 I.D.
B	2	140406-908	VITON O-RING-0.64 I.D.

* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

** QUANTITY AS REQUIRED.

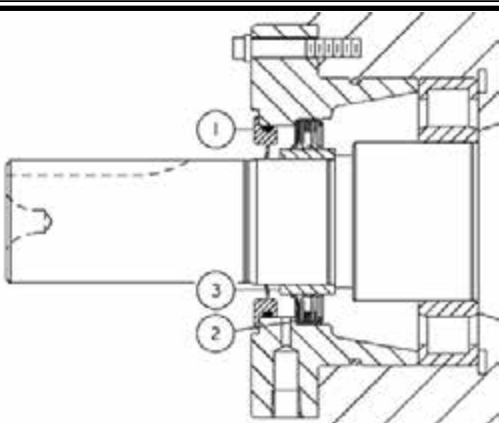
@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).



Shaft Seal Kit - 140413

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129619	COMPRESSOR FLUID SLINGER
2	1	129618	SHAFT SEAL
3	1	129620	WEAR RING SEAL

REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR
SHAFT SEAL. TOOL KIT 140414 FOR SHAFT SEAL AND WEAR RING
INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.



Airend (QSI-500i, with Power\$ync, with fluid pump) - 146059-001

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129619	COMPRESSOR FLUID SLINGER
2	1	129617	SEAL ADAPTER
3	4	90386-J15	COUNTERBORE SCREW-1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT-LBS)
4	1	22749-249	VITON O-RING-4.88 I.D.
5	1	129618	SHAFT SEAL
6	1	129620	WEAR RING SEAL
7	1	129652	INLET CASING
8	12	128883-044	PIPE PLUG-7/16-20 (O-RING)
9	2	124145-005	DOWEL PIN
10	1	22749-466	VITON O-RING-18.50 I.D.
11	1	140847-3	ROTOR HOUSING
12	2	20054	ROTOR BEARING-SUCTION END
13	2	128203-500	BEARING RETAINER RING
14	1	140883	MALE ROTOR-255 MM
15	1	140886	FEMALE ROTOR-255 MM
16	1	23207	PLUG ORIFICE-0.12 NPT
17	12	90386-N17	COUNTERBORE SCREW-1/2-13 UNC X 2.00, GRADE 8 (@ 75 FT-LBS)
18	1	23218	FLUID GALLERY PLATE GASKET
19	1	23217	FLUID GALLERY COVER PLATE
20	2	128883-075	PIPE PLUG-3/4-16 (O-RING)
21	1	129963-009	ROTOR BEARING
22	2	129963-010	ROTOR BEARING
23	1	140889	ROTOR SHIM-TEMPERED STEEL & STAINLESS STEEL/BRASS
24	1	129995	ROTOR SHIM-TEMPERED STEEL & STAINLESS STEEL/BRASS
25	1	129624	BEARING RETAINER
26	18	90386-L12	COUNTERBORE SCREW-3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT-LBS)
27	10	129979	COMPRESSION SPRING
28	1	22749-251	VITON O-RING-5.12 I.D.
29	1	128967-001	45° MALE ELBOW-0.25 TUBE X 0.12 NPT
30	4	90386-L14	COUNTERBORE SCREW-3/8-16 UNC X 1.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
31	1	129980	DISCHARGE END CAP
32	8	90386-N15	COUNTERBORE SCREW-1/2-13 UNC X 1.50, GRADE 8 (@ 75 FT-LBS)
33	1	124232-008	ROTOR BEARING
34	1	124530	BEARING RETAINER RING
35	1	129963-007	ROTOR BEARING
36	1	129982-3	BEARING RETAINER
37	4	90386-L18	COUNTERBORE SCREW-3/8-16 UNC X 2.25, GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS)
38	1	22749-259	VITON O-RING-6.25 I.D.
39	1	129981	FLUID PUMP ADAPTER
40	1	20071	FLUID PUMP GASKET
41	1	125452-011	COMPRESSOR FLUID PUMP
42	1	142854	PATENT PLATE
43	2	4029	DATA PLATE PIN
44	4	141790-1	LIFT VALVE (INCLUDES O-RING 22749-138)

COMPONENT MAINTENANCE PARTS

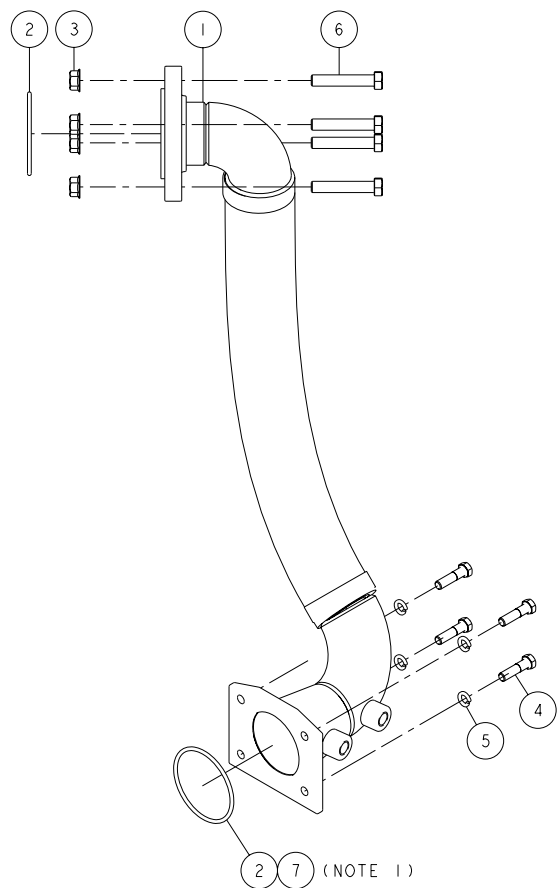
A	12	140406-904	VITON O-RING-0.35 I.D.
B	2	140406-908	VITON O-RING-0.64 I.D.

* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

** QUANTITY AS REQUIRED.

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

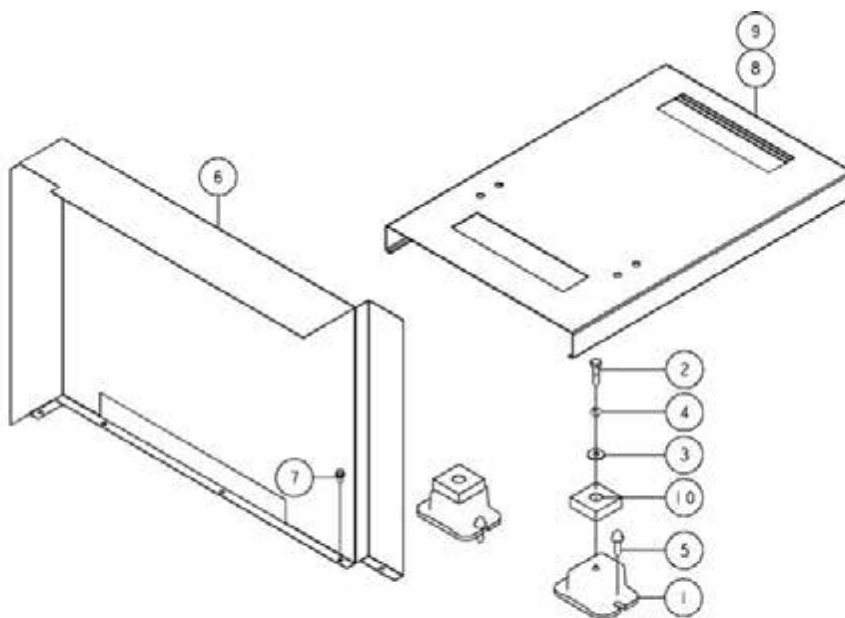
Discharge Piping - 146338-001/146339-001



NOTES-UNLESS OTHERWISE SPECIFIED:
1) ITEM 2 USED ON BOTH ENDS OF DISCHARGE MANIFOLD ON THE QSI-500i. ITEM 2 USED AT RESERVOIR, ITEM 7 USED AT THE COMPRESSOR DISCHARGE ON QSI-370i.

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	146341	DISCHARGE MANIFOLD (QSI-370i)
	1	146340	DISCHARGE MANIFOLD (QSI-500i)
2	*	22749-347	VITON O-RING-4.25 I.D.
3	4	112272-Q02	SELF-LOCKING HEX NUT-ZINC, 5/8-11 UNC
4	4	142578-N17	CAP SCREW-ZINC, 1/2-13 UNC X 2.00, GRADE 5 (@ 23 FT-LBS)
5	4	123115-08Z	LOCKWASHER-ZINC, 0.50
6	4	142578-Q23	CAP SCREW-ZINC, 5/8-11 UNC X 3.50, GRADE 5 (@ 110 FT-LBS)
7	1	22749-333	VITON O-RING-2.50I.D. (QSI-370i ONLY)

* QUANTITY OF 2 ON QSI-500i, QUANTITY OF 1 ON QSI-370i. REFERENCE DRAWING NOTE.



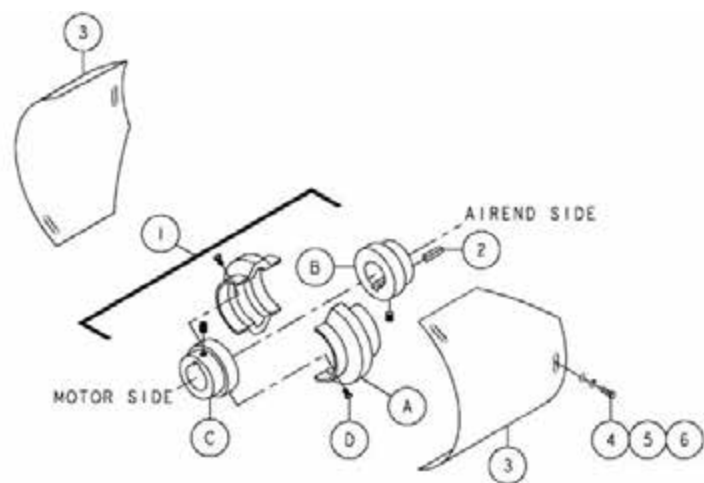
NOTES-UNLESS OTHERWISE SPECIFIED:

- 1) ITEMS 6 THRU 10 NOT USED ON QSI-370i, LESS CABINET.
- 2) ITEMS 8 THRU 10 NOT USED ON QSI-370i, TEFC MOTOR, WITH CABINET.
- 3) ITEM 10 NOT USED ON QSI-370i, ODP MOTOR, WITH CABINET.
- 4) ITEMS 6 THRU 9 NOT USED ON QSI-500i, LESS CABINET.
- 5) ITEMS 8 & 9 NOT USED ON QSI-500i, TEFC MOTOR, WITH CABINET.

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	2	146456-09	VIBRATION ISOLATOR
2	2	12798512075	CAP SCREW-ZINC, 12MM X 75MM (QSI-500i , ODP)
	2	12798512065	CAP SCREW-ZINC, 12MM X 65MM (QSI-370i/-500i , TEFC)
3	2	110428W050	FLAT WASHER-0.50
4	2	123115-08C	LOCKWASHER, 0.50
5	4	14654412040	CAP SCREW-ZINC, 12MM X 40MM
6	1	146528-02	AIR DAM PANEL (ODP)
	1	146528-01	AIR DAM PANEL (TEFC)
7	5	14654408020	CAP SCREW-ZINC, 8MM X 20MM
8*	1	146719-01	MOTOR PAN PANEL (QSI-500i , ODP)
	1	146719-02	MOTOR PAN PANEL (QSI-370i)
9*	7.0 FT	141528	RUBBER SEAL
10*	2	120103	RISER BLOCK

* SEE DRAWING NOTES FOR USAGE SPECIFICATIONS.

Drive Coupling (QSI-370i) - 129771-001/-004



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

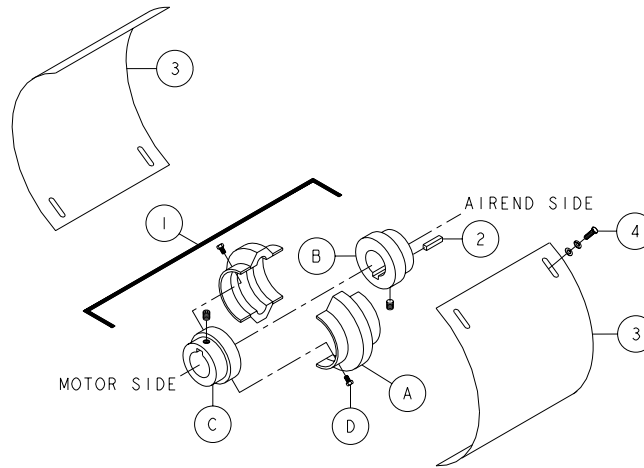
ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	128387-105	DRIVE COUPLING
2	1	20109	SHAFT KEY
3	2	141962	COUPLING GUARD (WITH LIFT VALVES)
	2	129673	COUPLING GUARD (LESS LIFT VALVES)
4	6	123478-K10	CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 13 FT-LBS)
5	6	110428N031	FLAT WASHER-0.31
6	6	123115-05C	LOCKWASHER, 0.31

COMPONENT MAINTENANCE PARTS

A	1	128387-404	DRIVE COUPLING ELEMENT (1 PAIR OF HALVES SOLD AS A MATCHED SET ONLY)
B	1	128387-302	COUPLING HUB-AIREND SIDE (INCLUDES SET SCREW)
C	1	128387-204	COUPLING HUB-MOTOR SIDE (INCLUDES SET SCREW)
D	1	128387-502	DRIVE COUPLING BOLT KIT (@ 30 FT-LBS, DRY THREADS)

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Drive Coupling (QSI-500i) - 140031-001/-002



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

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	128387-111	DRIVE COUPLING
	1	128387-103	DRIVE COUPLING (125 HP, TEFC MOTOR)
2	1	21184	SHAFT KEY
3	2	129925-3	COUPLING GUARD
4	8	141631-K12	CAP SCREW-5/16-18 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)

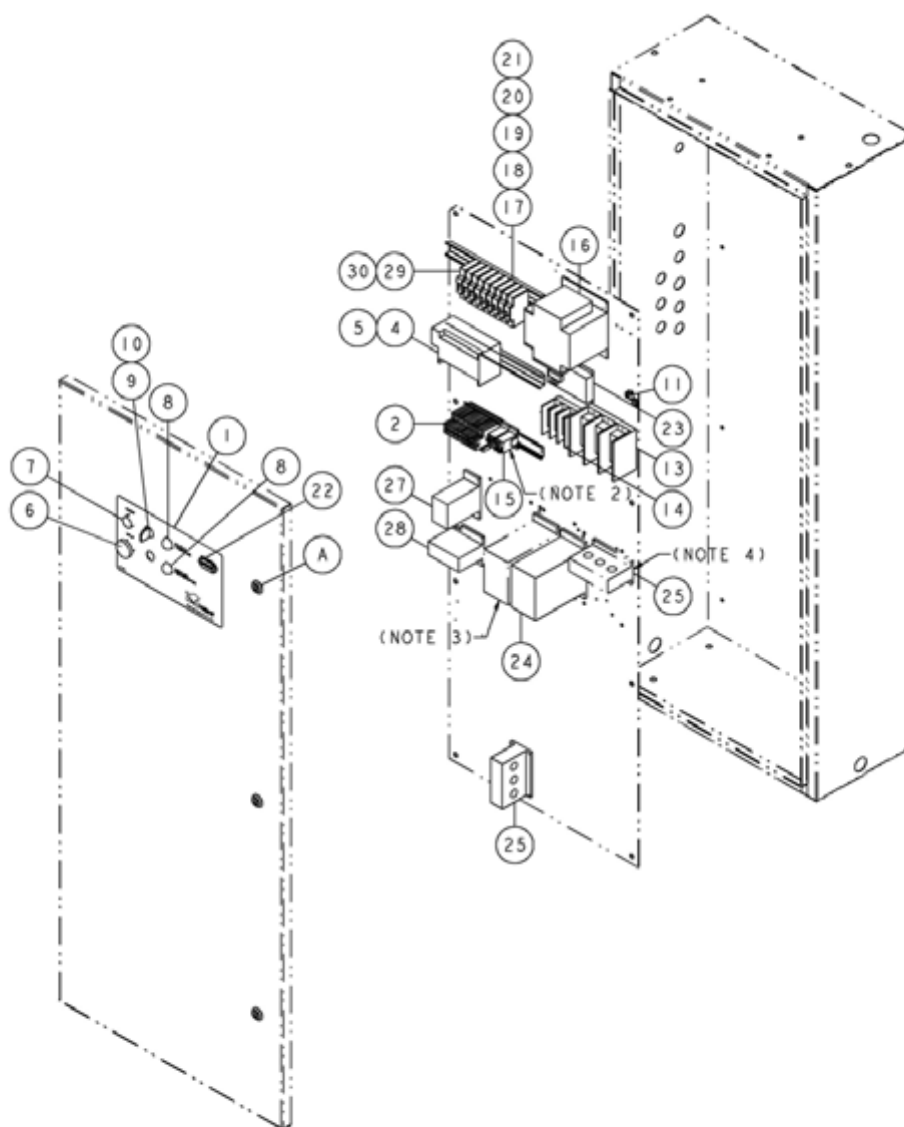
COMPONENT MAINTENANCE PARTS

A	1	128387-406	DRIVE COUPLING ELEMENT (1 PAIR OF HALVES SOLD AS A MATCHED SET ONLY)
B	1	128387-304	COUPLING HUB-AIREND SIDE (INCLUDES SET SCREW)
C	1	128387-207	COUPLING HUB-MOTOR SIDE (128387-111 COUPLING) (INCLUDES SET SCREW)
	1	128387-208	COUPLING HUB-MOTOR SIDE (128387-103 COUPLING) (INCLUDES SET SCREW)
D	1	128387-502	DRIVE COUPLING BOLT KIT (@ 30 FT-LBS, DRY THREADS)

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Electrical Control & Starting (standard PLC control)

PIX5112



- NOTES-UNLESS OTHERWISE SPECIFIED:
- 1) ITEMS 3, 12 & 26 (DECAL SHEET, TEMPERATURE SWITCH & CURRENT TRANSFORMER) ARE NOT SHOWN.
 - 2) ITEM 15 (RELAY) USED ONLY ON UNITS WITH REDUCED VOLTAGE OR REMOTE STARTER.
 - 3) TWO DRIVE MOTOR CONTACTORS (ITEM 24) & SECOND POWER BLOCK (ITEM 14) USED ONLY ON UNITS WITH WYE-DELTA STARTING.
 - 4) DRIVE MOTOR OVERLOAD (ITEM 25) IN THIS LOCATION ON WYE-DELTA START UNITS.

Electrical Control & Starting (standard PLC control)

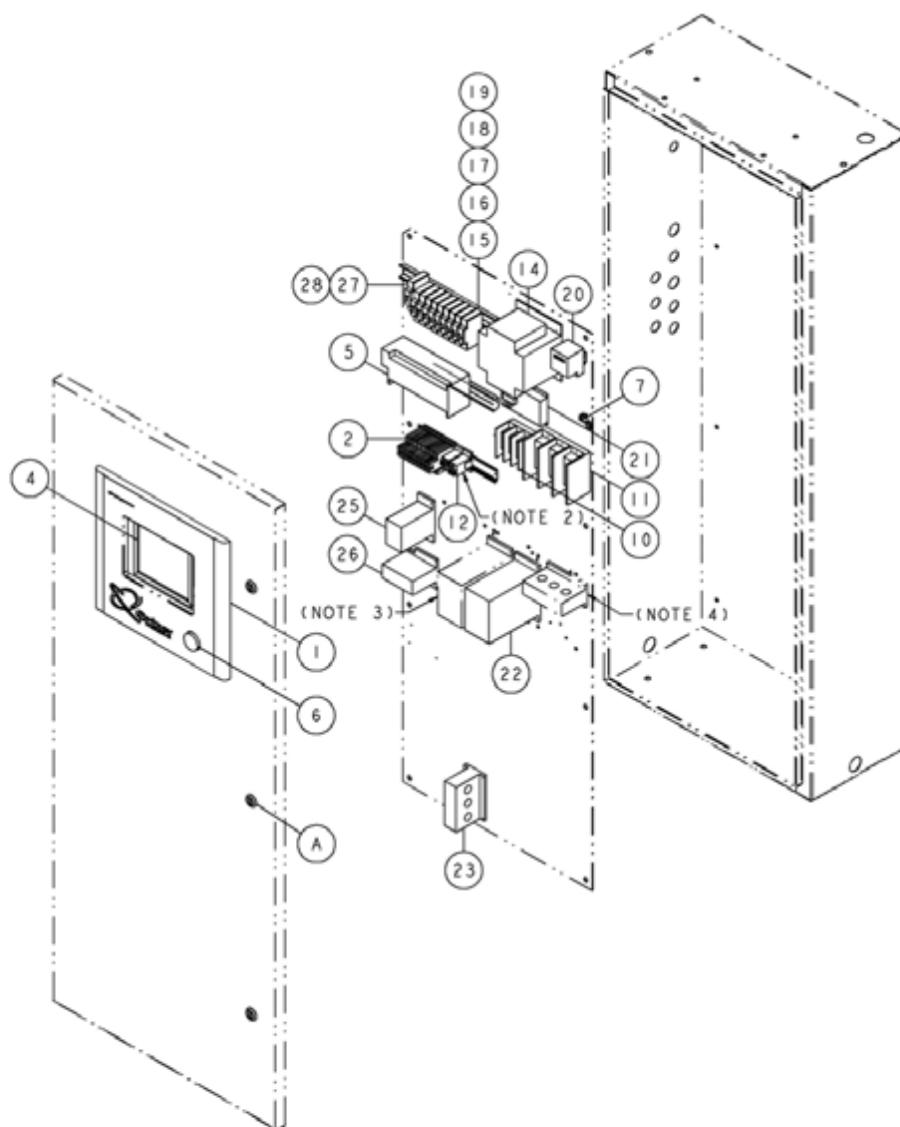
ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	129077-2	CONTROL PANEL DECAL
2	1	142334-20	TERMINAL BLOCK ASSEMBLY
3	1	143470	ELECTRICAL DECALS SHEET
4	1	145120	CONTROL PROGRAM CHIP
5	1	146763	PLC CONTROLLER
6	1	146102-006	EMERGENCY STOP BUTTON
	1	146103-002	CONTACT BLOCK (NORMALLY CLOSED)
7	1	146102L001	ILLUMINATED GREEN BUTTON-MOMENTARY
	1	143144-03	GREEN LAMP
8	2	146102-012	RED INDICATOR LENSE
	2	143144-02	RED LAMP
9	1	146102-007	SELECTOR SWITCH
	1	146103-001	CONTACT BLOCK (NORMALLY OPEN)
	1	146103-002	CONTACT BLOCK (NORMALLY CLOSED)
10	1	129103-2	LEGEND PLATE-AUTO DUAL
	1	129103-4	LEGEND PLATE-REMOTE/LOCAL
	1	129103-6	LEGEND PLATE-LEAD/LAG
11	2	128002-001	GROUND TERMINAL
12	2	122880-232	TEMPERATURE SWITCH (230°F)
13	1	129229-005	POWER BLOCK
14	1	129229-007	POWER BLOCK
15	2	143059	SOCKET RELAY (REDUCED VOLTAGE)
16	1	145785-500	TRANSFORMER (500VA)
17	1	144117-06	FUSE HOLDER
18	2	(PAGE 30)	TRANSFORMER FUSE (PRIMARY)
19	1	128857-008	TRANSFORMER FUSE (SECONDARY)
20	1	144117-04	FUSE HOLDER
21	1	128857-009	TRANSFORMER FUSE (SECONDARY)
22	1	110871-120	HOURLMETER (60 Hz)
	1	110871-125	HOURLMETER (50 Hz)
23*	1	129200-001	PHASE MONITOR (200/230 VOLT)
	1	129200-003	PHASE MONITOR (380/415 VOLT)
	1	129200-002	PHASE MONITOR (460 VOLT)
	1	128422-003	PHASE MONITOR (575 VOLT)
24	1	(PAGE 30)	DRIVE MOTOR CONTACTOR (FULL VOLTAGE & WYE-DELTA)
	1	(PAGE 30)	REDUCED VOLTAGE STARTER
25	1	(PAGE 31)	DRIVE MOTOR OVERLOAD RELAY
26**	3	143781-300	CURRENT TRANSFORMER (NOT SHOWN)
	3	143781-600	CURRENT TRANSFORMER (NOT SHOWN)
27	1	144570-01	FAN MOTOR CONTACTOR
			(ALL 75 HP AND 100 HP, 380-575 VOLT)
	1	144570-02	FAN MOTOR CONTACTOR (100 HP, 200 & 230 VOLT)
28	1	(PAGE 31)	FAN MOTOR OVERLOAD RELAY
29	1	144117-06	FAN MOTOR FUSE HOLDER
30	3	(PAGE 31)	FAN MOTOR FUSE

* ITEM 23 (PHASE MONITOR) IS OPTIONAL.

** 143781-300 CURRENT TRANSFORMER USED ONLY WITH 143780-01 DRIVE MOTOR OVERLOAD RELAY.
 143781-600 CURRENT TRANSFORMER USED ONLY WITH 143780-02 DRIVE MOTOR OVERLOAD RELAY.

Electrical Control & Starting (electronic control)

PIX5113



NOTES-UNLESS OTHERWISE SPECIFIED:

- 1) ITEMS 3, 8, 9, 13 & 24 (DECAL SHEET, TEMPERATURE PROBE, TEMPERATURE SWITCH, PRESSURE TRANSDUCER & CURRENT TRANSFORMER) ARE NOT SHOWN.
- 2) ITEM 12 (RELAY) USED ONLY ON UNITS WITH REDUCED VOLTAGE OR REMOTE STARTER.
- 3) TWO DRIVE MOTOR CONTACTORS (ITEM 22) & SECOND POWER BLOCK (ITEM 11) USED ONLY ON UNITS WITH WYE-DELTA STARTING.
- 4) DRIVE MOTOR OVERLOAD (ITEM 23) IN THIS LOCATION ON WYE-DELTA START UNITS.

Electrical Control & Starting (electronic control)

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	146669	BEZEL
2	1	142334-20	TERMINAL BLOCK ASSEMBLY
3	1	143470	ELECTRICAL DECALS SHEET
4	1	146569	COLOR TOUCH SCREEN
5	1	146303-102	PLC CONTROLLER
6	1	146102-006	EMERGENCY STOP BUTTON
	1	146103-004	CONTACT BLOCKS (2 NORMALLY CLOSED)
7	2	128002-001	GROUND TERMINAL
8	1	144981	TEMPERATURE PROBE-HIGH VIBRATION, 0.50 NPT
9	1	122880-232	TEMPERATURE SWITCH (230°F)
10	1	129229-005	POWER BLOCK
11*	1	129229-007	POWER BLOCK
	1	129229-009	POWER BLOCK
12	2	143059	SOCKET RELAY (REDUCED VOLTAGE)
13	1	145072	PRESSURE TRANSDUCER (0-300#)
14	1	145785-500	TRANSFORMER (500VA)
15	1	144117-06	FUSE HOLDER
16	2	(PAGE 30)	TRANSFORMER FUSE (PRIMARY)
17	1	128857-008	TRANSFORMER FUSE (SECONDARY)
18	1	144117-04	FUSE HOLDER
19	1	128857-009	TRANSFORMER FUSE (SECONDARY)
20	1	146551-60	HOURLMETER (60 Hz)
	1	146551-50	HOURLMETER (50 Hz)
21**	1	129200-001	PHASE MONITOR (200/230 VOLT)
	1	129200-003	PHASE MONITOR (380/415 VOLT)
	1	129200-002	PHASE MONITOR (460 VOLT)
	1	128422-003	PHASE MONITOR (575 VOLT)
22	1	(PAGE 30)	DRIVE MOTOR CONTACTOR (FULL VOLTAGE & WYE-DELTA)
	1	(PAGE 30)	REDUCED VOLTAGE STARTER
23	1	(PAGE 31)	DRIVE MOTOR OVERLOAD RELAY
24***	3	143781-300	CURRENT TRANSFORMER (NOT SHOWN)
	3	143781-600	CURRENT TRANSFORMER (NOT SHOWN)
25	1	144570-01	FAN MOTOR CONTACTOR
26	1	(PAGE 31)	FAN MOTOR OVERLOAD RELAY
27	1	144117-06	FAN MOTOR FUSE HOLDER
28	3	(PAGE 31)	FAN MOTOR FUSE

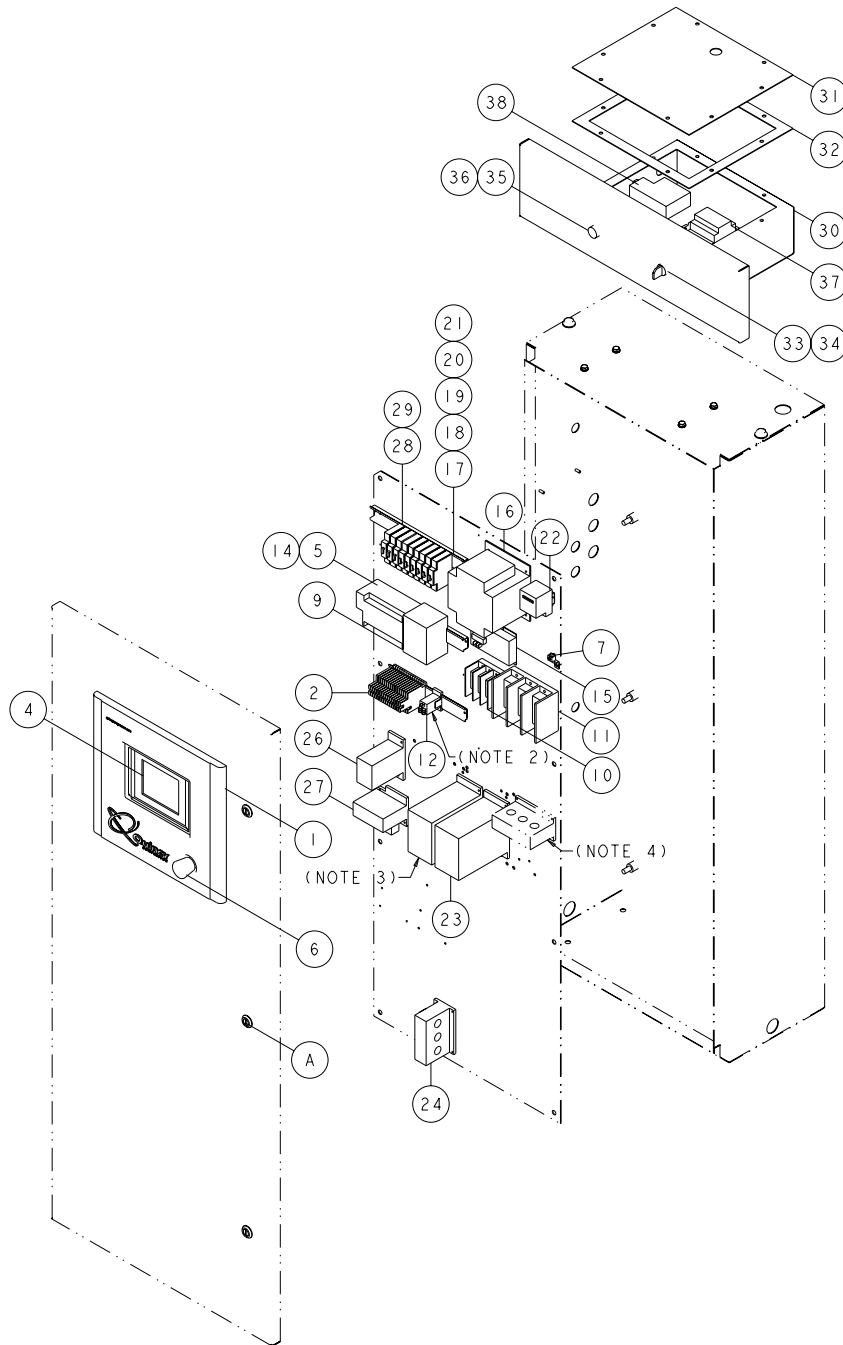
* NOT USED ON ALL UNITS. REFERENCE DRAWING NOTES & BOM ASSOCIATED WITH THE UNIT SERIAL NUMBER FOR USAGE & CORRECT PART NUMBER.

** ITEM 21 (PHASE MONITOR) IS OPTIONAL.

*** 143781-300 CURRENT TRANSFORMER USED ONLY WITH 143780-01 DRIVE MOTOR OVERLOAD RELAY.
143781-600 CURRENT TRANSFORMER USED ONLY WITH 143780-02 DRIVE MOTOR OVERLOAD RELAY.

Electrical Control & Starting (Power\$ync control)

PIX5114



NOTES- UNLESS OTHERWISE SPECIFIED

- 1) ITEMS 3, 8, 13 & 25 (DECAL SHEET, TEMPERATURE PROBE, PRESSURE TRANSDUCER & CURRENT TRANSFORMER) ARE NOT SHOWN
- 2) ITEM 12 (RELAY) USED ONLY ON UNITS WITH REDUCED VOLTAGE OR REMOTE STARTER
- 3) TWO DRIVE MOTOR CONTACTORS (ITEM 23) & SECOND POWER BLOCK (ITEM 11) USED ONLY ON UNITS WITH WYE-DELTA STARTING.
- 4) DRIVE MOTOR OVERLOAD (ITEM 24) IN THIS LOCATION ON WYE-DELTA START UNITS.

Electrical Control & Starting (Power\$ync control)

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	146669	BEZEL
2	1	142334-21	TERMINAL BLOCK ASSEMBLY-POWER\$YNC
3	1	143470	ELECTRICAL DECALS SHEET
4	1	146569	COLOR TOUCH SCREEN
5	1	146303-103	PLC CONTROLLER
6	1	146102-006	EMERGENCY STOP BUTTON
6	1	146103-004	CONTACT BLOCKS (2 NORMALLY CLOSED)
7	2	128002-001	GROUND TERMINAL
8	2	144981	TEMPERATURE PROBE-HIGH VIBRATION, 0.50 NPT
9	1	146303-302	ANALOG MODULE
10	1	129229-005	POWER BLOCK
11*	1	129229-007	POWER BLOCK
	1	129229-009	POWER BLOCK
12*	2	147135-01	RELAY
13	2	145072	PRESSURE TRANSDUCER (0-300#)
14	1	146303-504	CHIP-BATTERY BACKUP
15**	1	129200-001	PHASE MONITOR (200/230 volt)
	1	129200-003	PHASE MONITOR (380/415 volt)
	1	129200-002	PHASE MONITOR (460 volt)
	1	128422-003	PHASE MONITOR (575 volt)
16	1	145785-500	TRANSFORMER (500VA)
17	1	144117-06	TRANSFORMER FUSEBLOCK
18	2	(PAGE 30)	TRANSFORMER FUSES (PRIMARY)
19	1	128857-008	TRANSFORMER FUSE (SECONDARY)
20	1	144117-04	TRANSFORMER FUSEBLOCK
21	1	128857-009	TRANSFORMER FUSE (SECONDARY)
22	1	146551-60	HOURLMETER (60 Hz)
23		(PAGE 30)	DRIVE MOTOR CONTACTOR
	1	(PAGE 30)	REDUCED VOLTAGE STARTER
24	1	(PAGE 31)	DRIVE MOTOR OVERLOAD RELAY
25***	3	143781-300	CURRENT TRANSFORMER
26	1	(PAGE 31)	FAN MOTOR CONTACTOR
27	1	(PAGE 31)	FAN MOTOR OVERLOAD RELAY
****	1	(PAGE 31)	VARIABLE FREQUENCY FAN MOTOR DRIVE
28	1	144117-06	FAN MOTOR FUSEBLOCK
29	3	(PAGE 31)	FAN MOTOR FUSES
30	1	146875	BACKUP CONTROL ENCLOSURE
31	1	146876	BACKUP CONTROL ENCLOSURE COVER
32	1	146877	BACKUP CONTROL ENCLOSURE GASKET
33	1	146102-007	SELECTOR SWITCH
34	1	129103-44	LEGEND PLATE-P\$/BACKUP
35	1	146102L001	ILLUMINATED GREEN BUTTON-MOMENTARY
36	1	129103-43	LEGEND PLATE-START
37	1	146763	PLC CONTROLLER
38	1	8698-011	PRESSURE SWITCH (150-210#)

* NOT USED ON ALL UNITS. REFERENCE DRAWING NOTES & BOM ASSOCIATED WITH THE UNIT SERIAL NUMBER FOR USAGE & CORRECT PART NUMBER.

** ITEMS 15 (PHASE MONITOR) & 30 THRU 38 (BACKUP CONTROL) ARE OPTIONAL.

*** 143781-300 CURRENT TRANSFORMER USED ONLY WITH 143780-01 DRIVE MOTOR OVERLOAD RELAY.
143781-600 CURRENT TRANSFORMER USED ONLY WITH 143780-02 DRIVE MOTOR OVERLOAD RELAY.

**** THIS ITEM NOT SHOWN (NOT LOCATED INSIDE ELECTRICAL ENCLOSURE). USED ONLY ON 125 HP UNITS.
(ITEMS 26 & 27 NOT USED ON 125 HP UNITS.)

Electrical Control & Starting (all control types)

TRANSFORMER FUSES (PRIMARY)

VOLTAGE	QTY.	
200	2	128857-017
230	2	128857-007
380	2	128857-005
415	2	128857-012
460	2	128857-015
575	2	128857-004

DRIVE MOTOR CONTACTOR

FULL VOLTAGE

VOLTAGE	QTY.	75 HP	100 HP	125 HP
200	1	144570-15	144570-17	N/A
230	1	144570-14	144570-16	N/A
380	1	144570-12	144570-13	144570-14
415	1	144570-12	144570-13	144570-14
460	1	144570-11	144570-12	144570-13
575	1	144570-09	144570-11	144570-12

WYE-DELTA

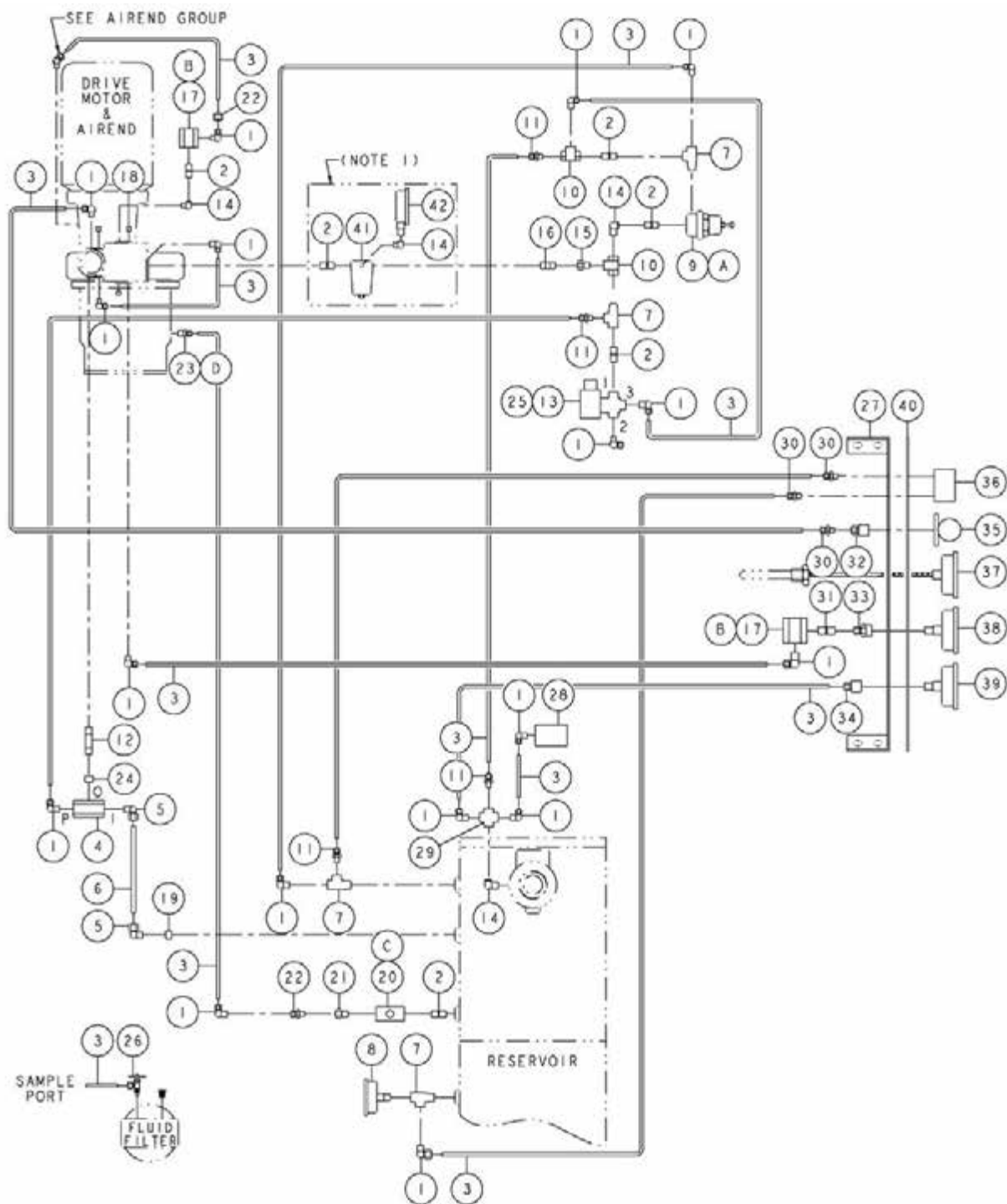
VOLTAGE	QTY.	75 HP	QTY.	100 HP	QTY.	125 HP
200	1	144570-12	2	144570-14		N/A
	1	144570-11				
230	1	144570-12	1	144570-13		N/A
	1	144570-11	1	144570-11		
380	1	144570-09	2	144570-11	2	144570-12
	1	144570-08			1	144570-11
415	1	144570-09	1	144570-10	2	144570-12
	1	144570-08			1	144570-11
460	2	144570-08	1	144570-10	3	144570-11
			1	144570-08		
575	2	144570-08	1	144570-09	2	144570-10
			1	144570-08	1	144570-08

REDUCED VOLTAGE STARTER

VOLTAGE	QTY.	75 HP	100 HP	125 HP
200	1	146554-16	146554-17	N/A
230	1	146554-15	146554-16	146554-17
380	1	146554-13	146554-14	146554-15
415	1	146554-13	146554-14	146554-15
460	1	146554-12	146554-13	146554-14
575	1	146554-27	146554-27	146554-29

Electrical Control & Starting (all control types)

DRIVE MOTOR OVERLOAD RELAY				
VOLTAGE	QTY.	75 HP	100 HP	FULL VOLTAGE 125 HP
200	1	143780-01	143780-02	N/A
230	1	143780-01	143780-01	N/A
380	1	143780-08	143780-01	143780-01
415	1	143780-08	143780-01	143780-01
460	1	143780-07	143780-01	143780-01
575	1	143780-06	143780-08	143780-08
VOLTAGE	QTY.	75 HP	100 HP	WYE-DELTA 125 HP
200	1	143780-08	143780-01	N/A
230	1	143780-07	143780-01	N/A
380	1	143780-06	143780-06	143780-07
415	1	143780-06	143780-06	143780-07
460	1	143780-05	143780-06	143780-07
575	1	143780-04	143780-05	143780-06
FAN MOTOR CONTACTOR				
VOLTAGE	QTY.	75 HP	100 HP	
200	1	144570-01	144570-02	
230	1	144570-01	144570-02	
380	1	144570-01	144570-01	
415	1	144570-01	144570-01	
460	1	144570-01	144570-01	
575	1	144570-01	144570-01	
FAN MOTOR OVERLOAD RELAY				
VOLTAGE	QTY.	75 HP	100 HP	
200	1	143780-13	143780-14	
230	1	143780-13	143780-13	
380	1	143780-13	143780-13	
415	1	143780-13	143780-13	
460	1	143780-12	143780-13	
575	1	143780-12	143780-13	
VARIABLE SPEED FAN MOTOR DRIVE				
VOLTAGE	QTY.	125 HP		
200	1	N/A		
230	1	N/A		
380	1	N/A		
415	1	147149-08		
460	1	147149-08		
575	1	147149-09		
FAN MOTOR FUSES				
VOLTAGE	QTY.	75 HP	100 HP	125 HP
200	3	128857-023	128857-035	N/A
230	3	128857-022	128857-025	N/A
380	3	128857-018	128857-021	N/A
415	3	128857-008	128857-021	147134-025
460	3	128857-017	128857-020	147134-024
575	3	128857-016	128857-009	147134-023



NOTES-UNLESS OTHERWISE SPECIFIED:
1) ITEMS 41 & 42 (AIR PRESSURE REGULATOR & GAUGE)
AND ADDITIONAL ITEMS 2 & 14 (PIPE NIPPLE & ELBOW)
ARE USED ONLY ON QSI-500i, WYE-DELTA UNITS.

Control Piping (standard PLC control) - 146762-001/-002/-003

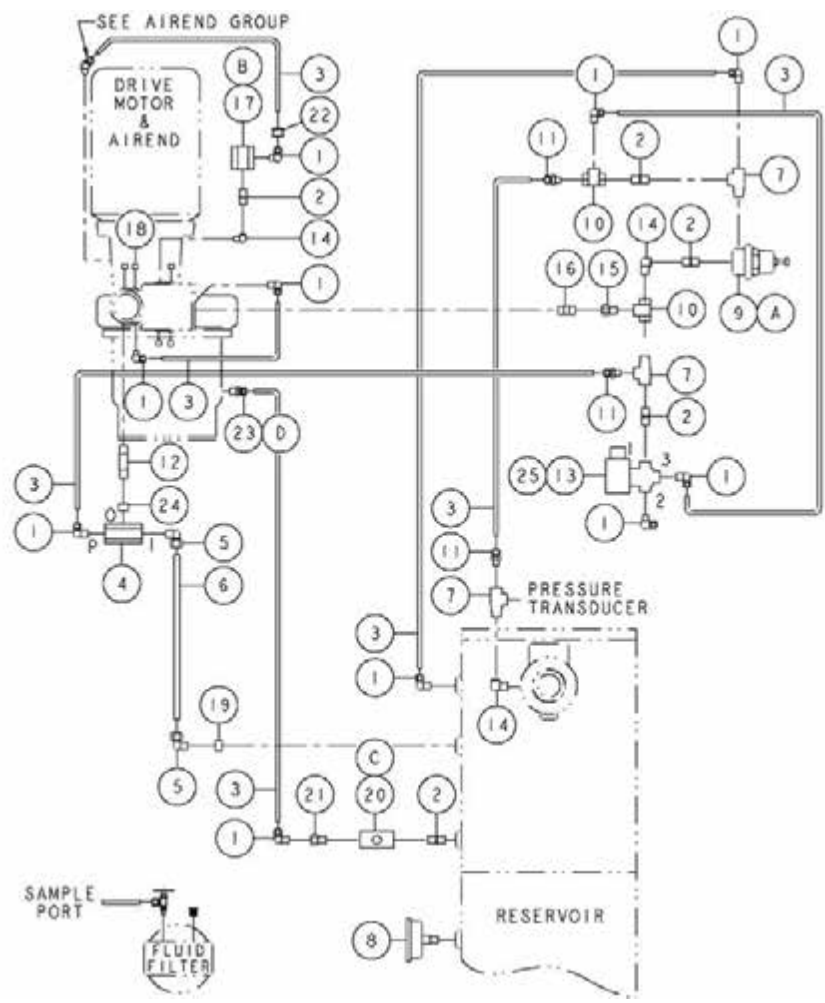
ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	13	124349-005	90° MALE ELBOW-0.25 TUBE X 0.25 NPT
2*	5	142125-1	EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE
3	30.0 FT	140620-003	BLACK NYLON TUBING-0.25 O.D.
4	1	128826-1	BLOWDOWN VALVE (QSI-370i)
	1	128826-2	BLOWDOWN VALVE (QSI-500i)
5	2	124349-015	90° MALE ELBOW-0.50 TUBE X 0.50 NPT (QSI-370i)
	2	123167-18	90° MALE ELBOW-0.75 TUBE X 0.75 NPT (QSI-500i)
6	4.0 FT	140620-005	BLACK NYLON TUBING-0.50 O.D. (QSI-370i)
	1	141951-042	HOSE ASSEMBLY-0.75 X 46.00 LONG (QSI-500i)
7	3	7361	PIPE TEE-BRASS, 0.25 NPT
8	1	126345	PRESSURE GAUGE-LIQUID FILLED (0-200#)
9	1	146175-2	DIFFERENTIAL PILOT VALVE
10	2	129337-025	SHUTTLE VALVE-0.25 NPT
11	4	124393-005	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
12	1	126017-016	PIPE NIPPLE-GALVANIZED, 0.38 NPT X 2.75
13	1	120496-12	SOLENOID VALVE-3-WAY
14*	3	122636	PIPE ELBOW-BRASS, 0.25 NPT
15	1	143742-001	SWIVEL CONNECTOR-0.38 TUBE X 0.38 NPT
16	1	123166-04	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
17	1	122056	CHECK VALVE
18	4	2719	PIPE PLUG-HEX SOCKET, 0.25 NPT
19	1	2754	PIPE BUSHING-1.00 NPT X 0.50 NPT
20	1	140508	SIGHTGLASS (O-RING)
21	1	125025	LINE FILTER ORIFICE (0.040)
22	1	140317	RUBBER GROMMET
23	1	128885-003	MALE CONNECTOR-0.25 TUBE X 7/16-20 (O-RING)
24	1	121033-7	PIPE BUSHING-BRASS, 0.50 NPT X 0.38 NPT (QSI-370i)
	1	125868-007	PIPE BUSHING-0.75 NPT X 0.50 NPT (QSI-500i)
25	1	146296	CABLE ASSEMBLY-5 METER
26	1	142947	NEEDLE ANGLE VALVE
27	1	146675	GAUGE PANEL
28	1	8698-011	PRESSURE SWITCH (150-210#)
29	1	6150	PIPE CROSS-BRASS, 0.25 NPT
30	2	124393-004	MALE CONNECTOR-0.25 TUBE X 0.125 NPT
31	1	142125-13	EXTRA STRONG BRASS NIPPLE-0.12 NPT X CLOSE
32	1	125259-001	BRASS COUPLING-0.12 X 0.12
33	1	125260-001	PIPE REDUCER-BRASS, 0.25 NPT X 0.12 NPT
34	1	125259-002	BRASS COUPLING-0.25 X 0.25
35	1	21312	AIR FILTER INDICATOR
36	1	23779-15	DIFFERENTIAL PRESSURE INDICATOR
37	1	128664	TEMPERATURE GAUGE
38	1	128663	PERCENT CAPACITY GAUGE
39	1	128662	PRESSURE GAUGE (0-300#)
40	1	146677-1	GAUGE PANEL DECAL (WITH INDICATORS)
41**	1	23543-002	PRESSURE REGULATOR
42**	1	140718	PRESSURE GAUGE

COMPONENT MAINTENANCE PARTS

A	1	146175-100	DIFFERENTIAL PILOT VALVE KIT (INCLUDES DIAPHRAGM ASSEMBLY & SEAT)
B	4	123157-008	BUNA-N O-RING-0.18 I.D.
C	2	22749-010	VITON O-RING-0.25 I.D.
D	1	140406-904	VITON O-RING-0.35 I.D.

* QUANTITY INCREASES BY ONE (1) ON QSI-500i, WYE-DELTA UNITS. SEE DRAWING DETAIL.

** USED ONLY ON QSI-500i, WYE-DELTA UNITS. SEE DRAWING DETAIL.



Control Piping (QSI-370i, electronic control) - 146572-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	8	124349-005	90° MALE ELBOW-0.25 TUBE X 0.25 NPT
2	5	142125-1	EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE
3	14.0 FT	140620-003	BLACK NYLON TUBING-0.25 O.D.
4	1	128826-1	BLOWDOWN VALVE
5	2	124349-015	90° MALE ELBOW-0.50 TUBE X 0.50 NPT
6	4.0 FT	140620-005	BLACK NYLON TUBING-0.50 O.D.
7	3	7361	PIPE TEE-BRASS, 0.25 NPT
8	1	126345	PRESSURE GAUGE-LIQUID FILLED (0-200#)
9	1	146175-2	DIFFERENTIAL PILOT VALVE
10	2	129337-025	SHUTTLE VALVE-0.25 NPT
11	3	124393-005	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
12	1	126017-016	PIPE NIPPLE-GALVANIZED, 0.38 NPT X 2.75
13	1	120496-12	SOLENOID VALVE-3-WAY
14	3	122636	PIPE ELBOW-BRASS, 0.25 NPT
15	1	143742-001	SWIVEL CONNECTOR-0.38 TUBE X 0.38 NPT
16	1	123166-04	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
17	1	122056	CHECK VALVE
18	4	2719	PIPE PLUG-HEX SOCKET, 0.25 NPT
19	1	2754	PIPE BUSHING-1.00 NPT X 0.50 NPT
20	1	140508	SIGHTGLASS (O-RING)
21	1	125025	LINE FILTER ORIFICE (0.040)
22	1	140317	RUBBER GROMMET
23	1	128885-003	MALE CONNECTOR-0.25 TUBE X 7/16-20 (O-RING)
24	1	121033-7	PIPE BUSHING-BRASS, 0.50 NPT X 0.38 NPT
25	1	146296	CABLE ASSEMBLY-5 METER
26	1	142947	NEEDLE ANGLE VALVE

COMPONENT MAINTENANCE PARTS

A	1	146175-100	DIFFERENTIAL PILOT VALVE KIT (INCLUDES DIAPHRAGM ASSEMBLY & SEAT)
B	4	123157-008	BUNA-N O-RING-0.18 I.D.
C	2	22749-010	VITON O-RING-0.25 I.D.
D	1	140406-904	VITON O-RING-0.35 I.D.



Control Piping (QSI-500i, electronic control) - 146572-002/-003

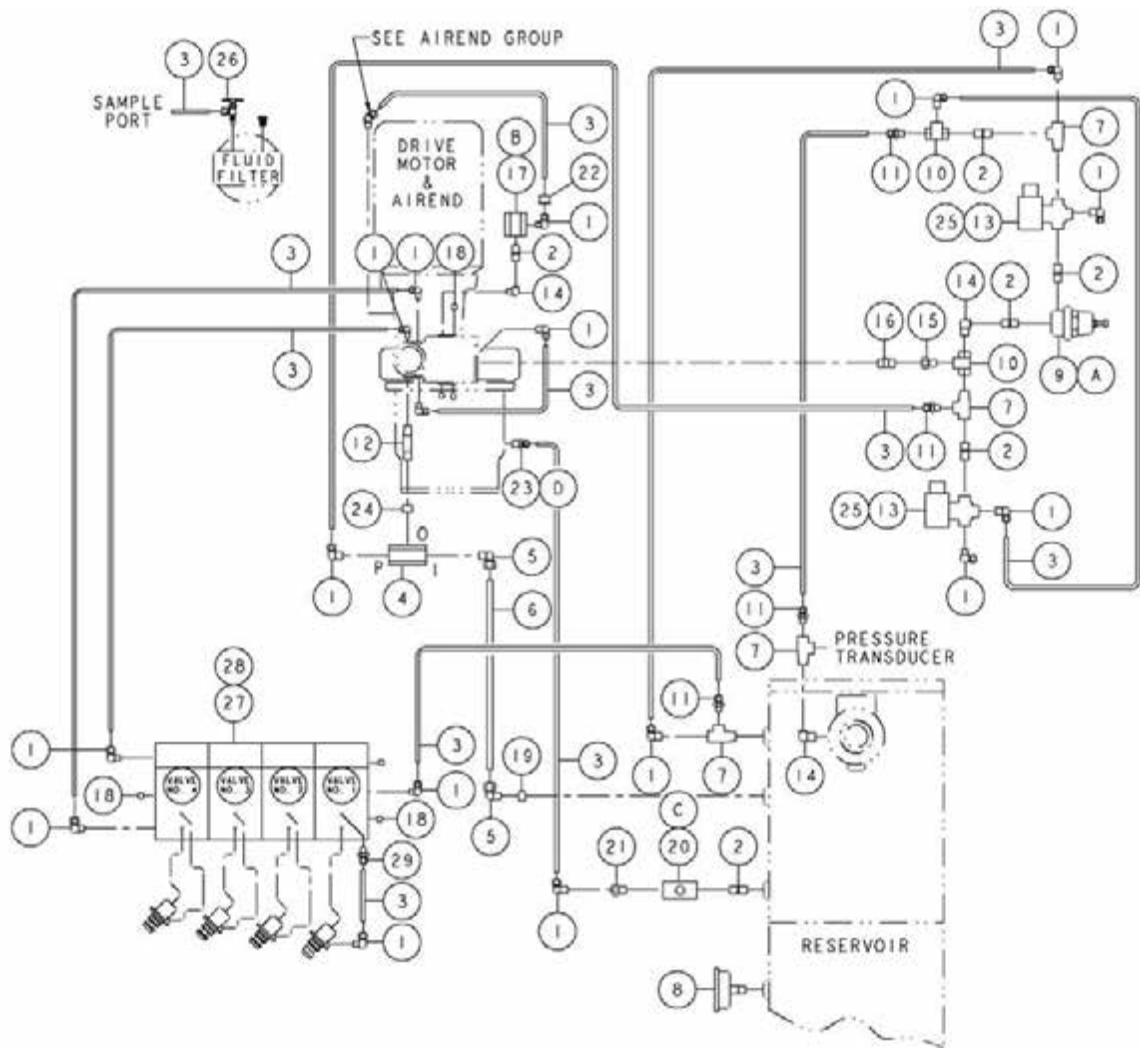
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	9	124349-005	90° MALE ELBOW-0.25 TUBE X 0.25 NPT
2*	5	142125-1	EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE
3	14.0 FT	140620-003	BLACK NYLON TUBING-0.25 O.D.
4	1	128826-2	BLOWDOWN VALVE
5	2	123167-18	90° MALE ELBOW-0.75 TUBE X 0.75 NPT
6	1	141951-042	HOSE ASSEMBLY-0.75 X 46.00 LONG
7	2	7361	PIPE TEE-BRASS, 0.25 NPT
8	1	126345	PRESSURE GAUGE-LIQUID FILLED (0-200#)
9	1	146175-2	DIFFERENTIAL PILOT VALVE
10	2	129337-025	SHUTTLE VALVE-0.25 NPT
11	2	124393-005	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
12	1	126018-016	PIPE NIPPLE-GALVANIZED, 0.50 NPT X 2.75
			(FULL VOLTAGE, REDUCED VOLTAGE)
	1	126018-010	PIPE NIPPLE-GALVANIZED, 0.50 NPT X 2.00 (WYE-DELTA)
13	1	120496-12	SOLENOID VALVE-3-WAY
14*	2	122636	PIPE ELBOW-BRASS, 0.25 NPT
15	1	143742-001	SWIVEL CONNECTOR-0.38 TUBE X 0.38 NPT
16	1	123166-04	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
17	1	122056	CHECK VALVE
18	4	2719	PIPE PLUG-HEX SOCKET, 0.25 NPT
19	1	2754	PIPE BUSHING-1.00 NPT X 0.50 NPT
20	1	140508	SIGHTGLASS (O-RING)
21	1	125025	LINE FILTER ORIFICE (0.040)
22	1	140317	RUBBER GROMMET
23	1	128885-003	MALE CONNECTOR-0.25 TUBE X 7/16-20 (O-RING)
24	1	125868-007	PIPE BUSHING-0.75 NPT X 0.50 NPT
25	1	146296	CABLE ASSEMBLY-5 METER
26	1	142947	NEEDLE ANGLE VALVE
27**	1	23543-002	PRESSURE REGULATOR
28**	1	140718	PRESSURE GAUGE

COMPONENT MAINTENANCE PARTS

A	1	146175-100	DIFFERENTIAL PILOT VALVE KIT (INCLUDES DIAPHRAGM ASSEMBLY & SEAT)
B	4	123157-008	BUNA-N O-RING-0.18 I.D.
C	2	22749-010	VITON O-RING-0.25 I.D.
D	1	140406-904	VITON O-RING-0.35 I.D.

* QUANTITY INCREASES BY ONE (1) ON WYE-DELTA UNITS. SEE DRAWING DETAIL.

** USED ONLY ON WYE-DELTA UNITS. SEE DRAWING DETAIL.

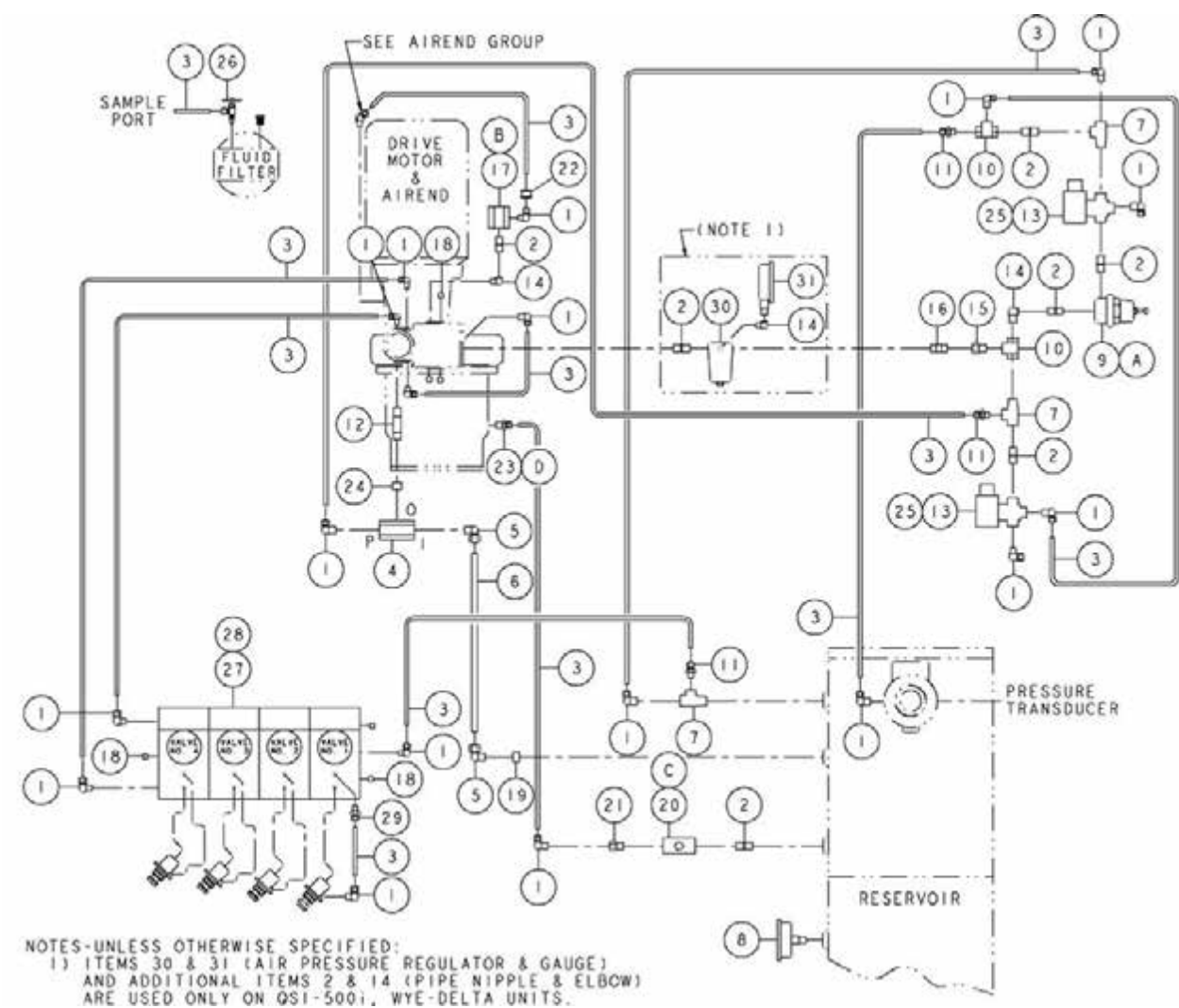


Control Piping (QSI-370i, Power\$ync control) - 146573-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	23	124349-005	90° MALE ELBOW-0.25 TUBE X 0.25 NPT
2	6	142125-1	EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE
3	30.0 FT	140620-003	BLACK NYLON TUBING-0.25 O.D.
4	1	128826-1	BLOWDOWN VALVE
5	2	124349-015	90° MALE ELBOW-0.50 TUBE X 0.50 NPT
6	4.0 FT	140620-005	BLACK NYLON TUBING-0.50 O.D.
7	4	7361	PIPE TEE-BRASS, 0.25 NPT
8	1	126345	PRESSURE GAUGE-LIQUID FILLED (0-200#)
9	1	146175-2	DIFFERENTIAL PILOT VALVE
10	2	129337-025	SHUTTLE VALVE-0.25 NPT
11	4	124393-005	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
12	1	126017-016	PIPE NIPPLE-GALVANIZED, 0.38 NPT X 2.75
13	2	146575	SOLENOID VALVE-3-WAY
14	3	122636	PIPE ELBOW-BRASS, 0.25 NPT
15	1	143742-001	SWIVEL CONNECTOR-0.38 TUBE X 0.38 NPT
16	1	123166-04	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
17	1	122056	CHECK VALVE
18	6	2719	PIPE PLUG-HEX SOCKET, 0.25 NPT
19	1	2754	PIPE BUSHING-1.00 NPT X 0.50 NPT
20	1	140508	SIGHTGLASS (O-RING)
21	1	125025	LINE FILTER ORIFICE (0.040)
22	1	140317	RUBBER GROMMET
23	1	128885-003	MALE CONNECTOR-0.25 TUBE X 7/16-20 (O-RING)
24	1	121033-7	PIPE BUSHING-BRASS, 0.50 NPT X 0.38 NPT
25	2	146296-1	CABLE ASSEMBLY-5 METER
26	1	142947	NEEDLE ANGLE VALVE
27	1	142094-1	SOLENOID BANK-4-VALVE
28	1	142095-04	CABLE ASSEMBLY-5 METER
29	8	124393-004	MALE CONNECTOR-0.25 TUBE X 0.125 NPT

COMPONENT MAINTENANCE PARTS

A	1	146175-100	DIFFERENTIAL PILOT VALVE KIT (INCLUDES DIAPHRAGM ASSEMBLY & SEAT)
B	4	123157-008	BUNA-N O-RING-0.18 I.D.
C	2	22749-010	VITON O-RING-0.25 I.D.
D	1	140406-904	VITON O-RING-0.35 I.D.



Control Piping (QSI-500i, Power\$ync control) - 146573-002/-003

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	24	124349-005	90° MALE ELBOW-0.25 TUBE X 0.25 NPT
2*	6	142125-1	EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE
3	30.0 FT	140620-003	BLACK NYLON TUBING-0.25 O.D.
4	1	128826-2	BLOWDOWN VALVE
5	2	123167-18	90° MALE ELBOW-0.75 TUBE X 0.75 NPT
6	1	141951-042	HOSE ASSEMBLY-0.75 X 46.00 LONG
7	3	7361	PIPE TEE-BRASS, 0.25 NPT
8	1	126345	PRESSURE GAUGE-LIQUID FILLED (0-200#)
9	1	146175-2	DIFFERENTIAL PILOT VALVE
10	2	129337-025	SHUTTLE VALVE-0.25 NPT
11	3	124393-005	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
12	1	126018-016	PIPE NIPPLE-GALVANIZED, 0.50 NPT X 2.75 (FULL VOLTAGE, REDUCED VOLTAGE)
	1	126018-010	PIPE NIPPLE-GALVANIZED, 0.50 NPT X 2.00 (WYE-DELTA)
13	2	146575	SOLENOID VALVE-3-WAY (FULL VOLTAGE, REDUCED VOLTAGE)
	2	120496-12	SOLENOID VALVE-3-WAY (WYE-DELTA)
14*	2	122636	PIPE ELBOW-BRASS, 0.25 NPT
15	1	143742-001	SWIVEL CONNECTOR-0.38 TUBE X 0.38 NPT
16	1	123166-04	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
17	1	122056	CHECK VALVE
18	6	2719	PIPE PLUG-HEX SOCKET, 0.25 NPT
19	1	2754	PIPE BUSHING-1.00 NPT X 0.50 NPT
20	1	140508	SIGHTGLASS (O-RING)
21	1	125025	LINE FILTER ORIFICE (0.040)
22	1	140317	RUBBER GROMMET
23	1	128885-003	MALE CONNECTOR-0.25 TUBE X 7/16-20 (O-RING)
24	1	125868-007	PIPE BUSHING-0.75 NPT X 0.50 NPT
25	2	146296-1	CABLE ASSEMBLY-5 METER (FULL VOLTAGE, REDUCED VOLTAGE)
	2	146296	CABLE ASSEMBLY-5 METER (WYE-DELTA)
26	1	142947	NEEDLE ANGLE VALVE
27	1	142094-1	SOLENOID BANK-4-VALVE
28	1	142095-04	CABLE ASSEMBLY-5 METER
29	8	124393-004	MALE CONNECTOR-0.25 TUBE X 0.125 NPT
30**	1	23543-002	PRESSURE REGULATOR
31**	1	140718	PRESSURE GAUGE

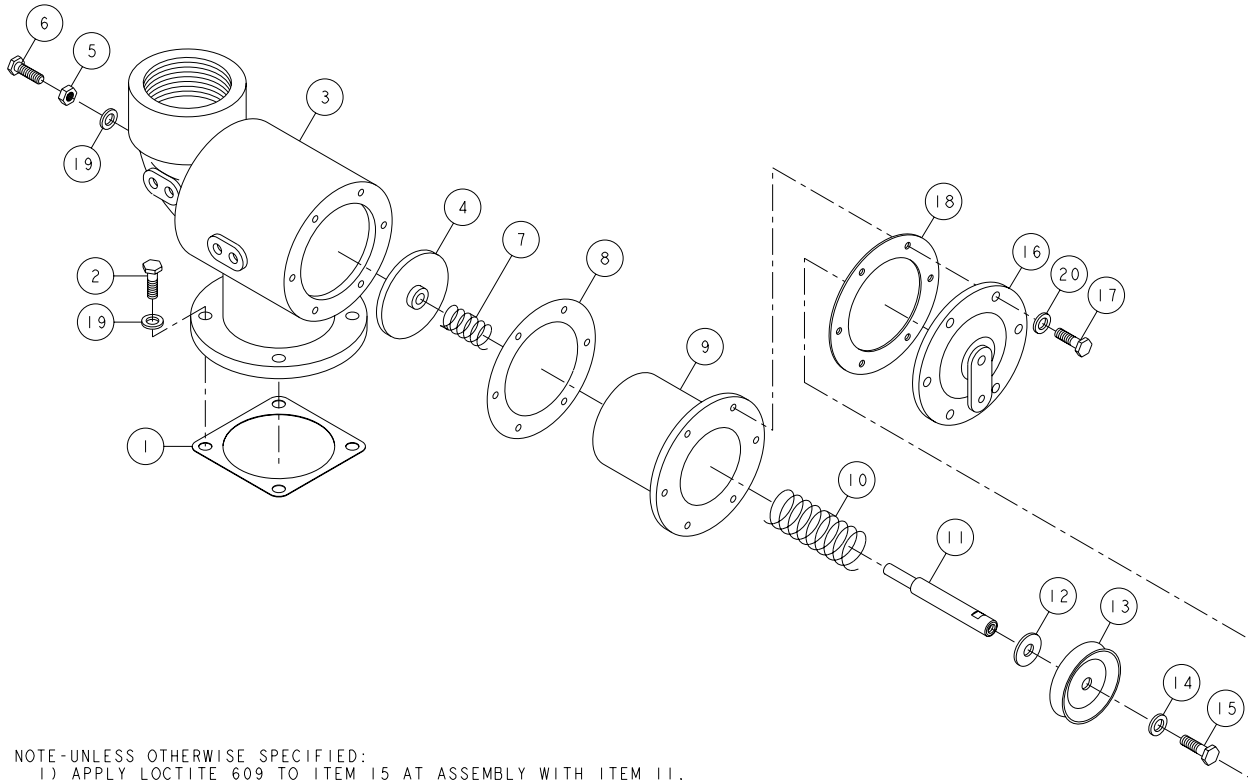
COMPONENT MAINTENANCE PARTS

A	1	146175-100	DIFFERENTIAL PILOT VALVE KIT (INCLUDES DIAPHRAGM ASSEMBLY & SEAT)
B	4	123157-008	BUNA-N O-RING-0.18 I.D.
C	2	22749-010	VITON O-RING-0.25 I.D.
D	1	140406-904	VITON O-RING-0.35 I.D.

* QUANTITY INCREASES BY ONE (1) ON WYE-DELTA UNITS. SEE DRAWING DETAIL.

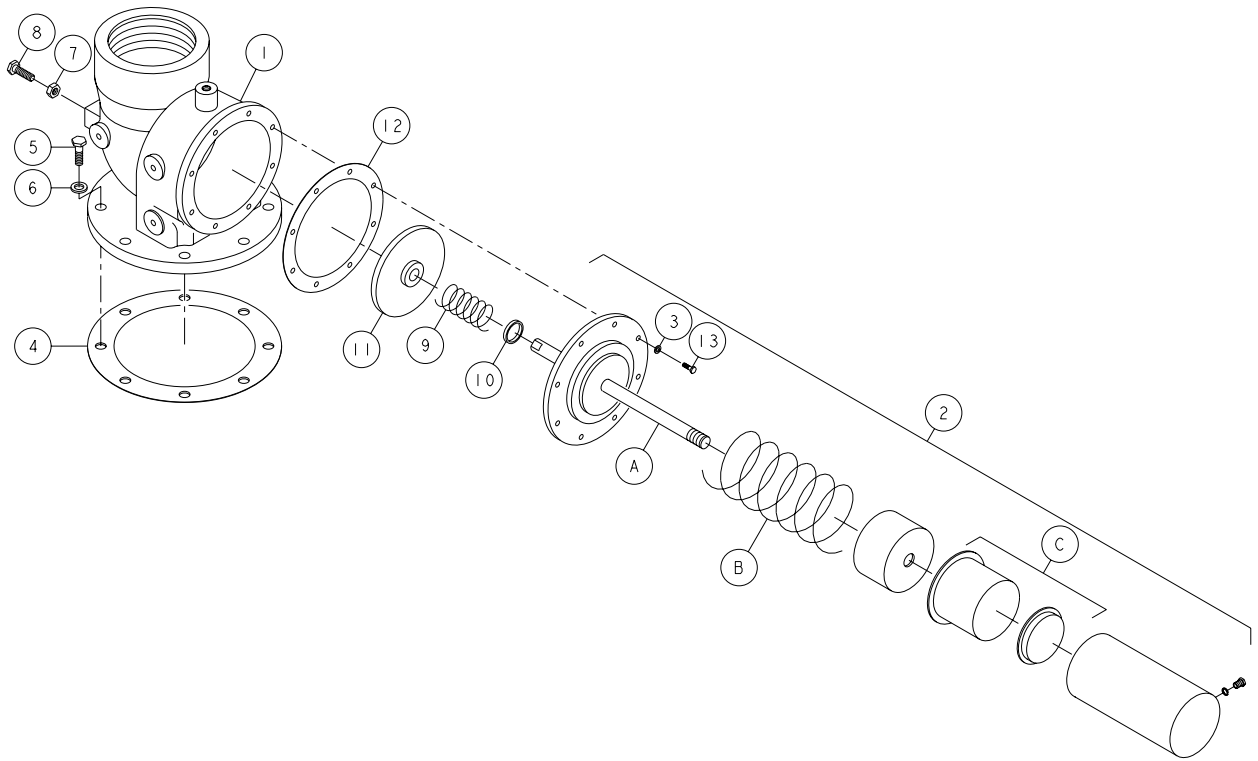
** USED ONLY ON WYE-DELTA UNITS. SEE DRAWING DETAIL.

Inlet Valve (QSI-370i) - 126650



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	141608	INLET VALVE GASKET
2	4	142578-N15	CAP SCREW-ZINC, 1/2-13 UNC X 1.50, GRADE 5 (@ 23 FT-LBS)
3	1	126646	INLET VALVE HOUSING
4	1	122995	INLET VALVE PLATE ASSEMBLY (INCLUDES BUSHING-P/N 23681)
5	1	124368-N02	JAM NUT-1/2-13 UNC
6	1	128720-001	HEX HEAD SCREW-1/2-13 UNC X 5.00, GRADE 5 (@ 55 FT-LBS)
7	1	123092	SPRING
8	1	123549-003	GASKET-6.50 O.D. X 4.56 I.D.
9	1	126644	INLET VALVE CYLINDER (INCLUDES BUSHING-P/N 22880)
10	1	126649	INLET VALVE SPRING
11	1	126648	INLET VALVE SHAFT
12	1	126647	FLAT WASHER-0.56
13	1	126460-350	PISTON CUP
14	1	1478-1	FLAT WASHER-0.52
15	1	123478-N12	CAP SCREW-1/2-13 UNC X 1.00, GRADE 5 (@ 55 FT-LBS)
16	1	126645	INLET VALVE COVER PLATE
17	6	123478-L15	CAP SCREW-3/8-16 UNC X 1.50, GRADE 5 (@ 23 FT-LBS)
18	1	141258	INLET VALVE GASKET
19	5	123115-08C	LOCKWASHER, 0.50
20	6	123115-06C	LOCKWASHER, 0.38

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).



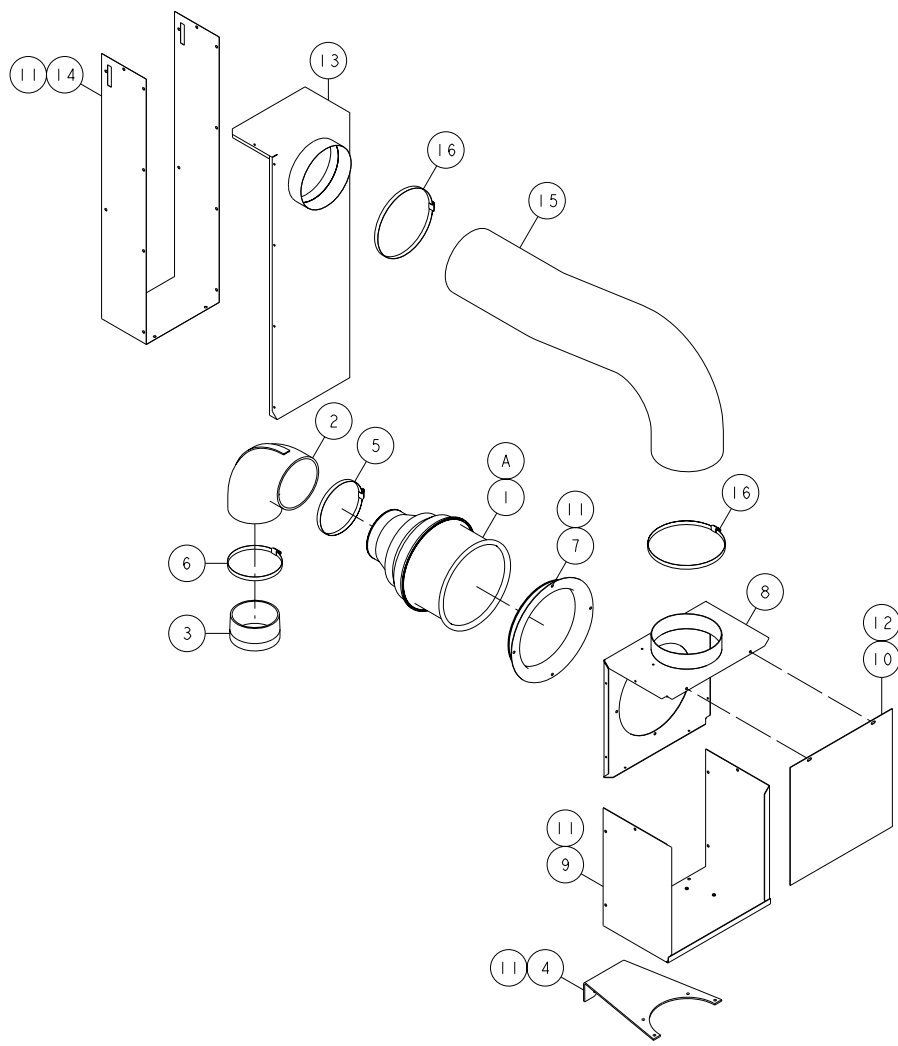
ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	143057-005	INLET VALVE HOUSING
2	1	141075	AIR CYLINDER ASSEMBLY
3	8	123115-06C	LOCKWASHER, 0.38
4	1	123549-002	GASKET-11.00 O.D. X 8.00 I.D.
5	8	123478-N15	CAP SCREW-1/2-13 UNC X 1.50, GRADE 5 (@ 55 FT-LBS)
6	8	123115-08C	LOCKWASHER, 0.50
7	1	124368-N02	JAM NUT-1/2-13 UNC
8	1	128720-001	HEX HEAD SCREW-1/2-13 UNC X 5.00, GRADE 5 (@ 55 FT-LBS)
9	1	122379	SPRING
10	1	123157-018	BUNA-N O-RING-0.75 I.D.
11	1	122372-2	INLET VALVE PLATE
12	1	122377	GASKET
13	8	123478-L12	CAP SCREW-3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)

COMPONENT MAINTENANCE PARTS

A	1	123467	SPRING RETURN DIAPHRAGM KIT
B	1	124970	SPRING
C	1	122375-050	HEAD ASSEMBLY KIT

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Air Filter - 146346-001/-002/146347-001/-002



NOTES UNLESS OTHERWISE SPECIFIED:
1) ITEMS 13 THRU 16 NOT USED ON UNITS LESS CABINET.

Air Filter - 146346-001/-002/146347-001/-002

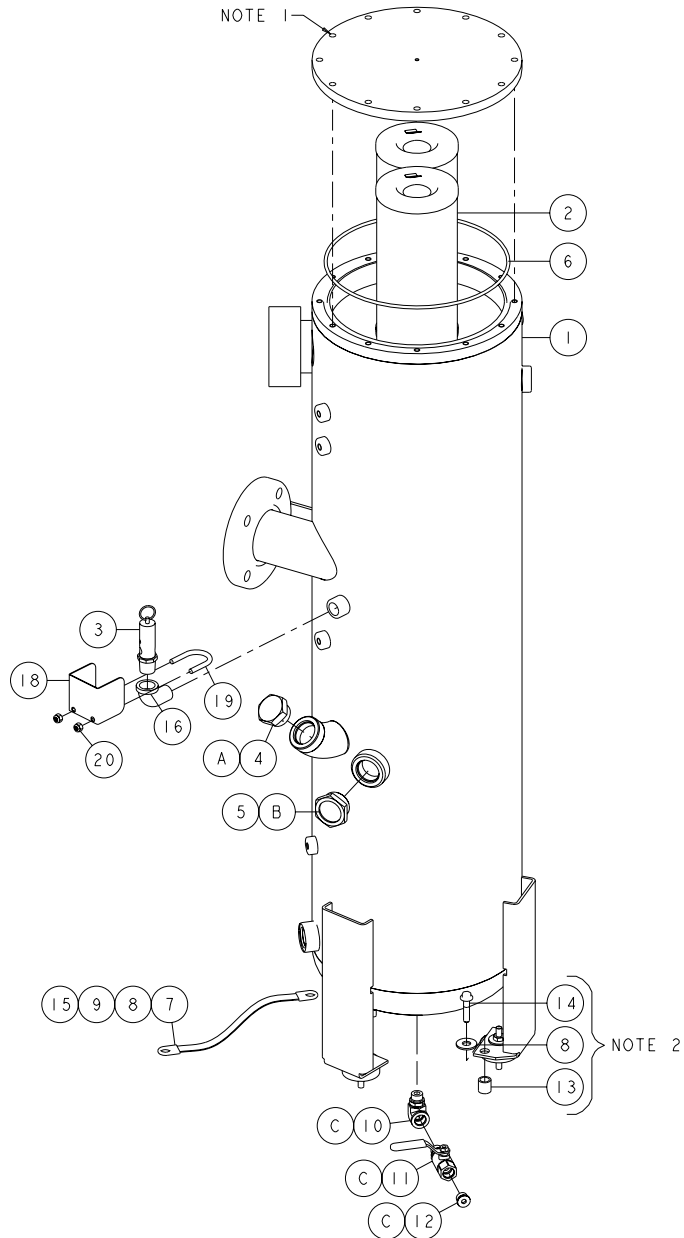
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
QSI-370i:			
1	1	146396-08	AIR FILTER
2	1	122934	RUBBER ELBOW-5.50 X 4.00 X 90°
3	1	147676350300	PIPE NIPPLE-3.50 NPT X 3.00, ZINC, TOE, ANODIZED ALUMINUM
4	1	146879	AIR FILTER SUPPORT
5	1	110423-096	HOSE CLAMP
6	1	110423-072	HOSE CLAMP
7	1	146660-01	HOUSING BACK PLATE
QSI-500i:			
1	1	146396-10	AIR FILTER
2	1	122934-05	RUBBER ELBOW-6.00 X 5.50 X 90°
3	1	147676500300	PIPE NIPPLE-5.00 NPT X 3.00, ZINC, TOE, ANODIZED ALUMINUM
4	1	146656	AIR FILTER SUPPORT
5	1	110423-104	HOSE CLAMP
6	1	110423-096	HOSE CLAMP
7	1	146660-02	HOUSING BACK PLATE
QSI-370i & QSI-500i:			
8	1	146659-01	INLET FILTER PANEL
9	1	146659-02	INLET FILTER PANEL
10	1	146659-03	INLET FILTER PANEL
11	28	110511-J07	HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50
12	6	122151	HEX HEAD SCREW-1/4-20 UNC X 0.63, GRADE 5 (@ 6 FT-LBS)
13	1	146672-01	INLET FILTER PANEL
14	1	146672-02	INLET FILTER PANEL
15	1	146718-48	FLEXIBLE AIR INTAKE HOSE - 8.00 I.D.
16	2	110423-136	HOSE CLAMP

COMPONENT MAINTENANCE PARTS

A	1	146397-08	AIR FILTER ELEMENT (QSI-370i)
	1	146397-10	AIR FILTER ELEMENT (QSI-500i)

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Reservoir - 146351-001



NOTES-UNLESS OTHERWISE SPECIFIED:

- 1) BOLTS USED TO ATTACH THE RESERVOIR LID ARE SUPPLIED BY THE RESERVOIR MANUFACTURER. IF REPLACEMENT BOLTS ARE NEEDED, THEY MUST BE APPROVED BY THE MANUFACTURER IN ORDER TO ENSURE THE INTEGRITY OF THE PRESSURE RATED RESERVOIR.
- 2) ITEMS 8, 13 & 14 ARE FOR SHIPPING PURPOSES ONLY. REMOVE BEFORE STARTING COMPRESSOR.
- 3) ITEM 17 (FLUID DRAIN ASSEMBLY) IS NOT SHOWN & SHIPPED LOOSE.

Reservoir - 146351-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	146323-175	AIR/FLUID RESERVOIR
2	2	144606-01	AIR/FLUID SEPARATOR
3	1	146540-150	PRESSURE RELIEF VALVE (150#)
4	1	129844-162	FILLER CAP (O-RING)
5	1	129843-188	SIGHTGLASS (O-RING)
6	1	22749-381	VITON O-RING-12.00 I.D.
7	3	146352-01	VIBRATION ISOLATOR
8	6	110428W050	FLAT WASHER-0.50
9	3	146715-M10	HEX NUT, 10 MM
10	1	143355-003	ELBOW-0.50 TUBE X 3/4-16 (O-RING)
11	1	129730-050	QUARTER TURN VALVE (O-RING)
12	1	128883-075	PIPE PLUG-3/4-16 (O-RING)
13	3	146884-01	TIE-DOWN SPACER
14	3	14568510050	CAP SCREW-ZINC, 10 MM X 50 MM (RED)
15	1	8215-002	GROUND STRAP
16	1	21794	PIPE ELBOW-GALVANIZED, 0.75 NPT
17	1	140407-001	FLUID DRAIN ASSEMBLY
18	1	147218	PRESSURE RELIEF VALVE COVER
19	1	122560-08	U-BOLT, 5/16-18 UNC, ZINC, 1.50 I.D. X 2.19
20	2	124370-K02	LOCKNUT-5/16-18 UNC

COMPONENT MAINTENANCE PARTS

A	1	140406-920	VITON O-RING-1.48 I.D.
B	1	140406-924	VITON O-RING-1.72 I.D.
C	3	140406-908	VITON O-RING-0.64 I.D.



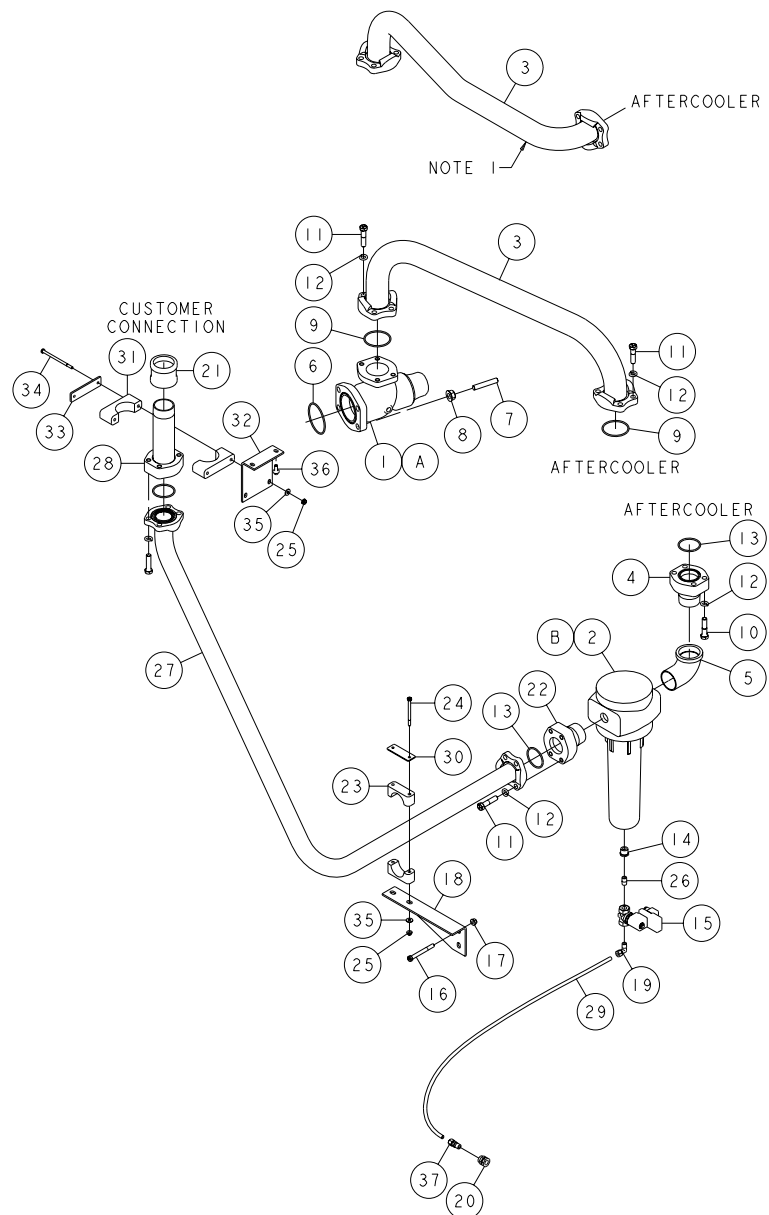
48 Quincy Compressor® - QSI 370i/500i

Cooler (air-cooled) - 147374-001/-003

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	147291-510	FLUID COOLER
2	1	147292-510	AFTERCOOLER
3	1	147260-03	FAN WHEEL-24"
4	1	146447-03	FAN CONE
5	1	146707-01	FAN BACK PLATE
6	1	146708-01	REINFORCING PANEL
7	1	146706-01	FAN WHEEL HOUSING
8	1	146706-02	FAN WHEEL HOUSING
9	1	147363-02	FAN CONE FRONT PLATE
10	1	147293	COOLER SHROUD PANEL
11	1	147364-01	COOLER SHROUD PANEL (WITH CABINET)
	1	147364-02	COOLER SHROUD PANEL (LESS CABINET)
12	1	146628	COOLER SHROUD ACCESS PLATE
13	2	146537	COOLER SUPPORT
14	1	146538	COOLER SUPPORT
15	1	146371	CHANNEL
16	1	146714	FAN HOUSING SEALING PANEL
17	16	141631-L10	CAP SCREW-3/8-16 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)
18	16	112272-L02	SELF-LOCKING HEX NUT-ZINC, 3/8-16 UNC
19	8	141631-K10	CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)
20	16	14654410030	LOCK SCREW-ZINC, 10 MM X 30 MM
21	8	112272-K02	SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC
22	57	110511-J07	HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50
23	8	129303L025	FENDER WASHER
24	4	110511-K10	HEX HEAD SCREW-ZINC, 5/16-18 UNC X 0.75
25	4	141631-N12	CAP SCREW-1/2-13 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)
26	10	141528	RUBBER SEAL
27	1	147059	FAN HOUSING COVER PLATE
28	1	146782	FAN GUARD
29	6	22456Z	SPEED NUT-GRIP, ZINC, 1/4-20 UNC
30	6	122151	HEX HEAD SCREW-1/4-20 UNC X 0.63, GRADE 5 (@ 6 FT-LBS)
31	1	40825-051	BLANK FITTING-1.50"
32	1	146706-03	FAN WHEEL HOUSING SEALING PANEL (LESS CABINET ONLY)

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Air Piping (with cabinet, less dryer) - 146357-001



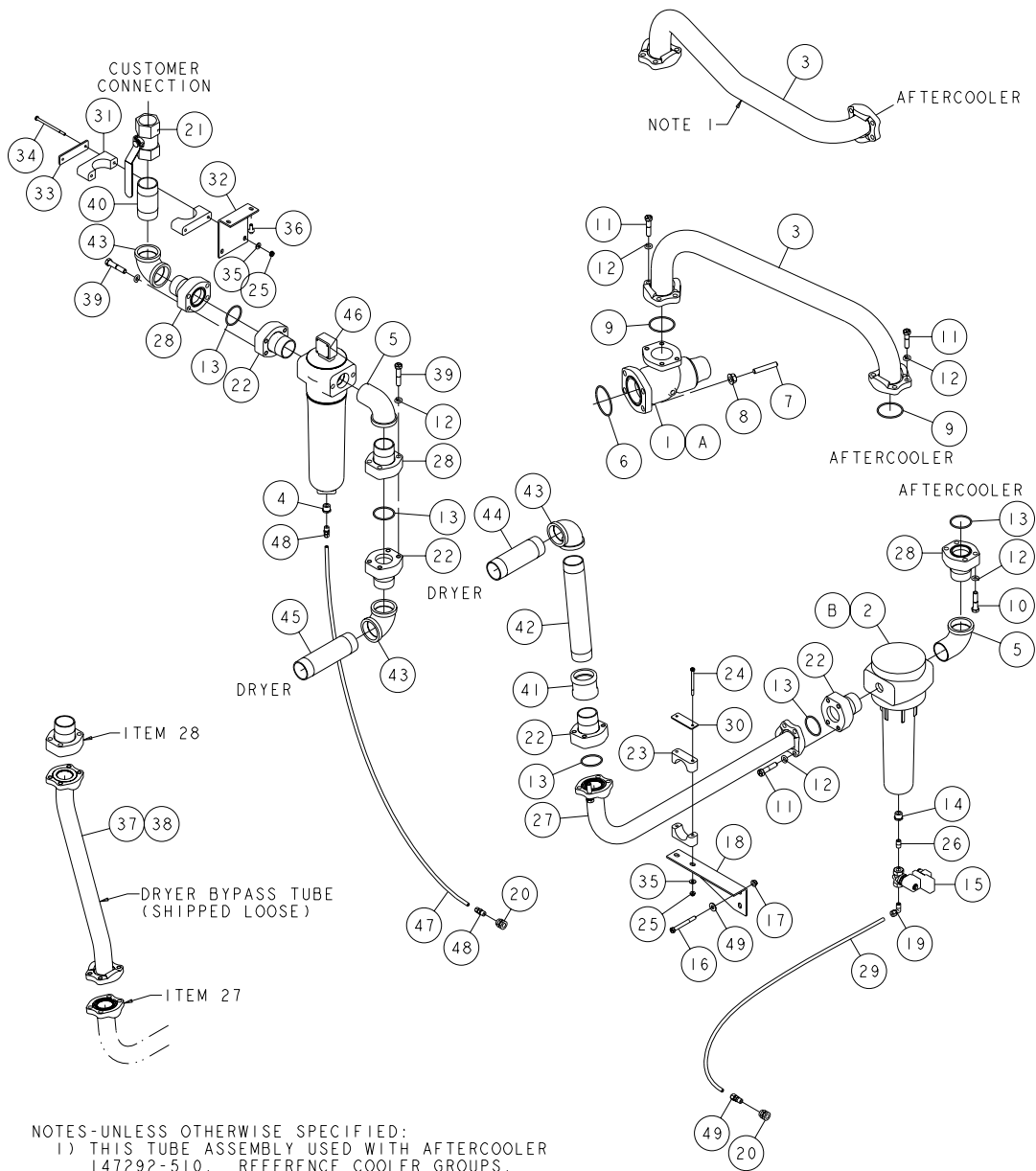
NOTES-UNLESS OTHERWISE SPECIFIED:
 1) THIS TUBE ASSEMBLY USED WITH AFTERCOOLER
 147292-510. REFERENCE COOLER GROUPS.
 2) ITEMS A AND B ARE MAINTENANCE PARTS.

Air Piping (with cabinet, less dryer) - 146357-001

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	146342	MINIMUM PRESSURE CHECK VALVE
2	1	145999-200	MOISTURE SEPARATOR
3	1	146640	TUBE ASSEMBLY-FLANGED, 2.50 O.D.
4	1	146361-02	FLANGE ADAPTER
5	1	4462	PIPE ELBOW-2.00 NPT
6	1	22749-237	VITON O-RING-3.38 I.D.
7	4	123115-10C	LOCKWASHER, 0.63
8	4	123478-Q23	CAP SCREW-5/8-11 UNC X 3.50, GRADE 5 (@110 FT-LBS)
9	2	22749-232	VITON O-RING-2.75 I.D.
10	4	123478-N18	CAP SCREW-1/2-13 UNC X 2.25, GRADE 5 (@ 55 FT-LBS)
11	16	123478-N17	CAP SCREW-1/2-13 UNC X 2.00, GRADE 5 (@ 55 FT-LBS)
12	20	123115-08C	LOCKWASHER, 0.50
13	3	22749-228	VITON O-RING-2.25 I.D.
14	1	121033-5	PIPE BUSHING-BRASS, 0.50 NPT X 0.25 NPT
15	1	115698-125	DRAIN VALVE
16	2	123478-L23	CAP SCREW-3/8-16 UNC X 3.50, GRADE 5 (@ 23 FT-LBS)
17	2	112272-L02	SELF-LOCKING HEX NUT-ZINC, 3/8-16 UNC
18	1	146681	AIR PIPING BRACKET
19	2	124349-010	90° MALE ELBOW-0.38 TUBE X 0.25 NPT
20	1	129203-003	BULKHEAD COUPLING
21	1	110425-200	QUARTER TURN VALVE
22	1	146361-01	FLANGE ADAPTER
23	1	141822-508	TUBE CLAMP-2.0 I.D.
24	2	142578-J23	CAP SCREW-ZINC, 1/4-20 UNC X 3.50, GRADE 5 (@ 6 FT-LBS)
25	4	112272-J02	SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC
26	1	142125-1	EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE
27	1	146637	TUBE ASSEMBLY-FLANGED, 2.00 O.D.
28	1	146361-09	FLANGE ADAPTER
29	5.0 FT	124435-004	NYLON TUBING-0.38 O.D.
30	1	141827-06	TUBE CLAMP COVER PLATE-1.90 I.D.
31	1	141822-603	TUBE CLAMP-2.50 I.D.
32	1	146746	AIR PIPING BRACKET
33	1	141827-07	TUBE CLAMP COVER PLATE-2.50 I.D.
34	2	142578-J26	CAP SCREW-ZINC, 1/4-20 UNC X 4.50, GRADE 5 (@ 6 FT-LBS)
35	4	110428W025	FLAT WASHER-0.25
36	2	142578-L12	CAP SCREW-ZINC, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)
37	2	110428W038	FLAT WASHER-0.38
38	2	112272-L02	SELF-LOCKING HEX NUT-ZINC, 3/8-16 UNC
39	2	112272-J02	SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Air Piping (with cabinet, with dryer) - 146357-002

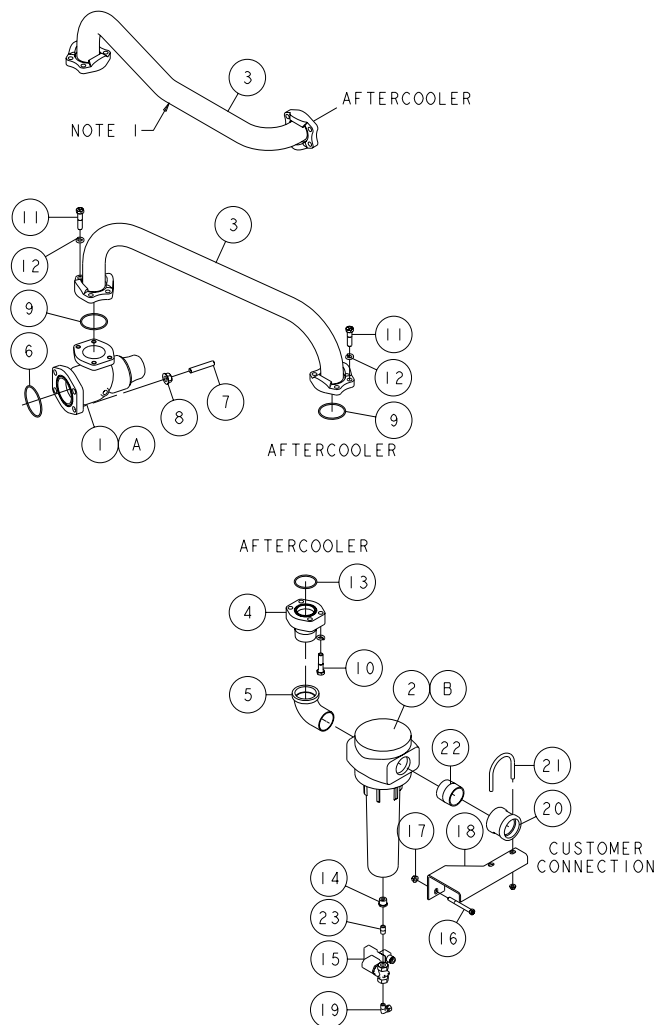


Air Piping (with cabinet, with dryer) - 146357-002

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	146342	MINIMUM PRESSURE CHECK VALVE
2	1	145999-200	MOISTURE SEPARATOR
3	1	146640	TUBE ASSEMBLY-FLANGED, 2.50 O.D.
4	1	146361-02	FLANGE ADAPTER
5	2	4462	PIPE ELBOW-2.00 NPT
6	1	22749-237	VITON O-RING-3.38 I.D.
7	4	123115-10C	LOCKWASHER, 0.63
8	4	123478-Q23	CAP SCREW-5/8-11 UNC X 3.50, GRADE 5 (@110 FT-LBS)
9	2	22749-232	VITON O-RING-2.75 I.D.
10	4	123478-N18	CAP SCREW-1/2-13 UNC X 2.25, GRADE 5 (@ 55 FT-LBS)
11	16	123478-N17	CAP SCREW-1/2-13 UNC X 2.00, GRADE 5 (@ 55 FT-LBS)
12	20	123115-08C	LOCKWASHER, 0.50
13	5	22749-228	VITON O-RING-2.25 I.D.
14	2	121033-5	PIPE BUSHING-BRASS, 0.50 NPT X 0.25 NPT
15	1	115698-125	DRAIN VALVE
16	2	123478-L23	CAP SCREW-3/8-16 UNC X 3.50, GRADE 5 (@ 23 FT-LBS)
17	2	124364-L02	HEX NUT-3/8-16 UNC
18	1	146681	AIR PIPING BRACKET
19	2	124349-010	90° MALE ELBOW-0.38 TUBE X 0.25 NPT
20	2	129203-003	BULKHEAD COUPLING
21	1	110425-200	QUARTER TURN VALVE
22	3	146361-01	FLANGE ADAPTER
23	1	141822-508	TUBE CLAMP-2.0 I.D.
24	2	142578-J23	CAP SCREW-ZINC, 1/4-20 UNC X 3.50, GRADE 5 (@ 6 FT-LBS)
25	2	112272-J02	SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC
26	1	142125-1	EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE
27	1	146641	TUBE ASSEMBLY-FLANGED, 2.00 O.D.
28	2	146361-04	FLANGE ADAPTER
29	5.0 FT	124435-004	NYLON TUBING-0.38 O.D.
30	1	141827-06	TUBE CLAMP COVER PLATE-1.90 I.D.
31	1	141822-603	TUBE CLAMP-2.50 I.D.
32	1	146746	AIR PIPING BRACKET
33	1	141827-07	TUBE CLAMP COVER PLATE-2.50 I.D.
34	2	142578-J26	CAP SCREW-ZINC, 1/4-20 UNC X 4.50, GRADE 5 (@ 6 FT-LBS)
35	4	110428W025	FLAT WASHER-0.25
36	2	142578-L12	CAP SCREW-ZINC, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)
37	2	110428W038	FLAT WASHER-0.38
38	2	112272-L02	SELF-LOCKING HEX NUT-ZINC, 3/8-16 UNC
39	2	112272-J02	SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC
40	1	125940-030	PIPE NIPPLE-2.00 NPT X 4.50
41	1	6366	PIPE COUPLING-2.00 NPT
42	1	125940-098	PIPE NIPPLE-2.00 NPT X 13.00
43	3	4463	PIPE ELBOW-2.00 NPT
44	1	125940-052	PIPE NIPPLE-2.00 NPT X 7.25
45	1	125940-060	PIPE NIPPLE-2.00 NPT X 8.25
46	1	CSNT00500	COALESCING FILTER ASSEMBLY
47	5.0 FT	124435-003	NYLON TUBING-0.25 O.D.
48	5	124393-005	MALE CONNECTOR-0.25 TUBE X 0.25 NPT
49	1	124349-005	90° MALE ELBOW-0.25 TUBE X 0.25 NPT

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Air Piping (less cabinet, less dryer) - 146357-003



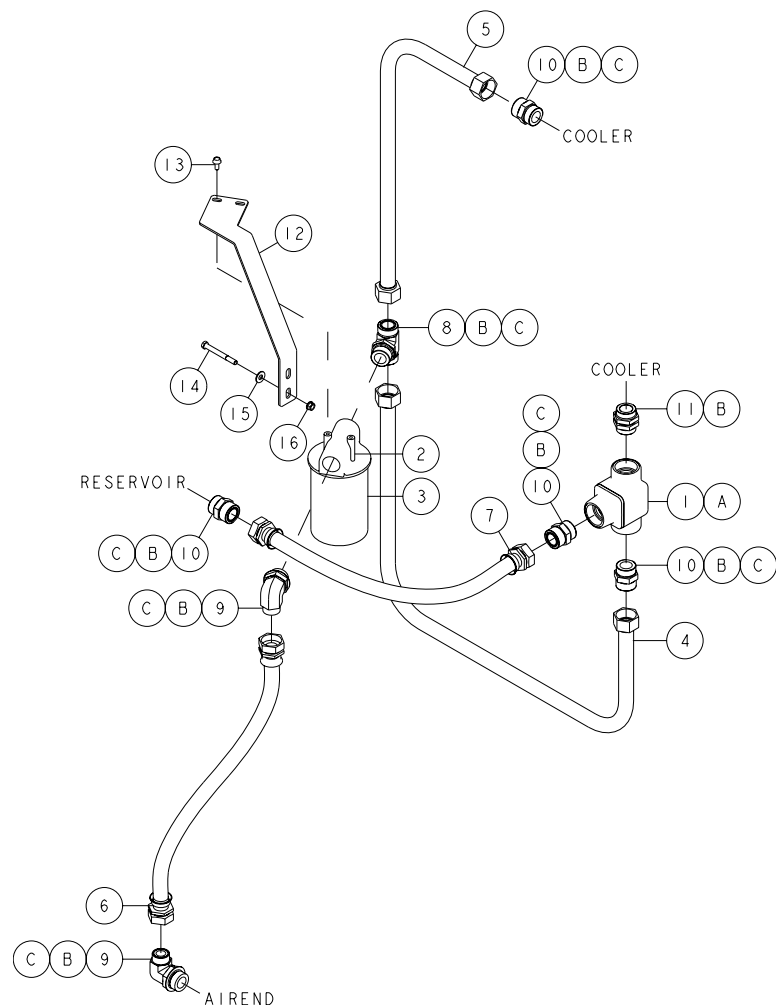
NOTES-UNLESS OTHERWISE SPECIFIED:
1) THIS TUBE ASSEMBLY USED WITH AFTERCOOLER 147292-510. REFERENCE COOLER GROUPS.
2) ITEMS A AND B ARE MAINTENANCE PARTS.

Air Piping (less cabinet, less dryer) - 146357-003

ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	146342	MINIMUM PRESSURE CHECK VALVE
2	1	145999-200	MOISTURE SEPARATOR
3	1	146640	TUBE ASSEMBLY-FLANGED, 2.50 O.D.
4	1	146361-02	FLANGE ADAPTER
5	1	4462	PIPE ELBOW-2.00 NPT
6	1	22749-237	VITON O-RING-3.38 I.D.
7	4	123115-10C	LOCKWASHER, 0.63
8	4	123478-Q23	CAP SCREW-5/8-11 UNC X 3.50, GRADE 5 (@110 FT-LBS)
9	2	22749-232	VITON O-RING-2.75 I.D.
10	4	123478-N18	CAP SCREW-1/2-13 UNC X 2.25, GRADE 5 (@ 55 FT-LBS)
11	8	123478-N17	CAP SCREW-1/2-13 UNC X 2.00, GRADE 5 (@ 55 FT-LBS)
12	12	123115-08C	LOCKWASHER, 0.50
13	1	22749-228	VITON O-RING-2.25 I.D.
14	1	121033-5	PIPE BUSHING-BRASS, 0.50 NPT X 0.25 NPT
15	1	115698-125	DRAIN VALVE
16	2	123478-L23	CAP SCREW-3/8-16 UNC X 3.50, GRADE 5 (@ 23 FT-LBS)
17	2	112272-L02	SELF-LOCKING HEX NUT-ZINC, 3/8-16 UNC
18	1	146729	AIR PIPING BRACKET
19	1	124349-005	90° MALE ELBOW-0.25 TUBE X 0.25 NPT
20	1	6366	PIPE COUPLING-2.00 NPT
21	1	122560-05	U-BOLT, 3/8-16 UNC, 3.00 I.D. X 4.00
22	1	125940-001	PIPE NIPPLE-2.00 NPT X CLOSE
23	1	121032-3	PIPE NIPPLE-BRASS, 0.25 NPT X CLOSE

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Fluid Piping (air-cooled, less fluid pump) - 146372-001



Fluid Piping (air-cooled, less fluid pump) - 146372-001

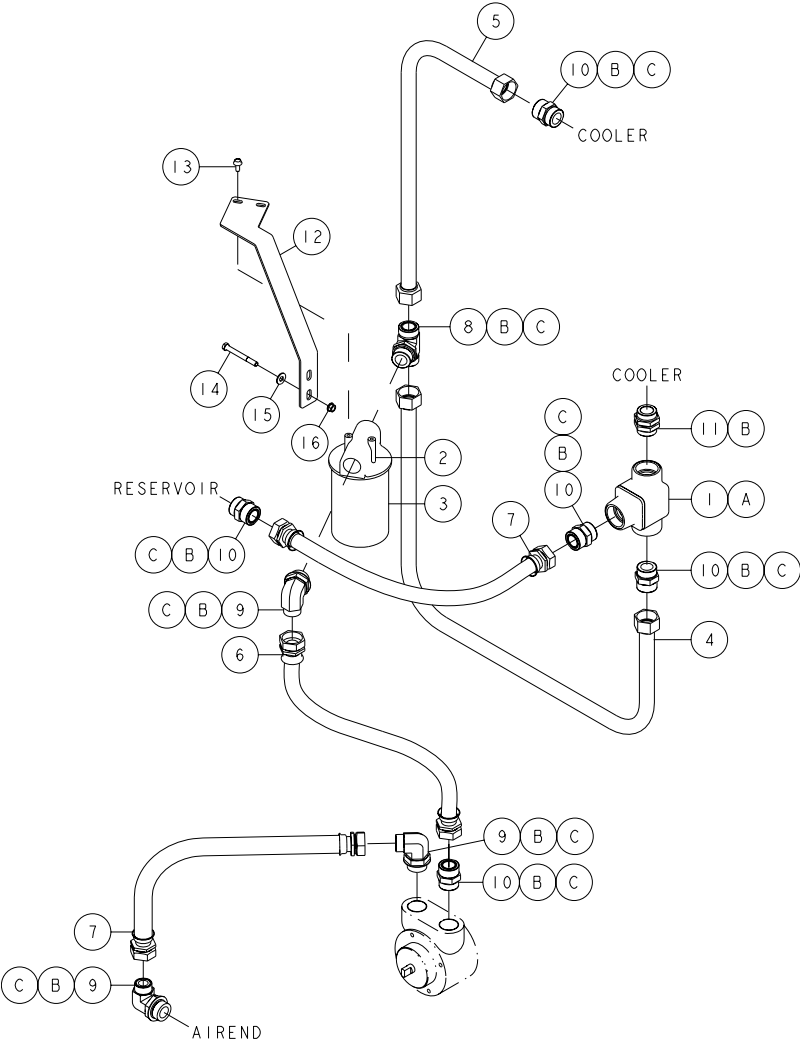
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	125657-013	THERMAL VALVE, 190°F
2	1	129845	FLUID FILTER HEAD
3	1	142136	FLUID FILTER ELEMENT
4	1	146742	TUBE ASSEMBLY-1.25 O.D.
5	1	146679	TUBE ASSEMBLY-1.25 O.D.
6	1	146245-2040	AIR HOSE - 1.00 X 40.00 LONG
7	1	146245-2025	AIR HOSE - 1.12 X 25.00 LONG
8	1	140672-007	TEE-1.25 TUBE X 1-5/8-12 (O-RING)
9	2	140676-021	ELBOW-1.25 TUBE X 1-5/8-12 (O-RING)
10	4	140682-024	CONNECTOR-1.25 TUBE X 1-5/8-12 (O-RING)
11	1	128884-162	UNION-1-5/8-12 (O-RING)
12	1	147348	FLUID FILTER BRACKET
13	2	141631-K10	CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)
14	2	142578-L23	CAP SCREW-ZINC, 3/8-16 UNC X 3.50, GRADE 5 (@ 23 FT-LBS)
15	2	110428W038	FLAT WASHER-0.38
16	2	112272-L02	SELF-LOCKING HEX NUT-ZINC, 3/8-16 UNC

COMPONENT MAINTENANCE PARTS

A	1	125657-067	THERMAL VALVE KIT (INCLUDES THE FOLLOWING 3 ITEMS:)
	1	125657-068	THERMAL VALVE ELEMENT
	1	125657-051	THERMAL VALVE GASKET/O-RING
	1	125657-052	THERMAL VALVE SEAL
B	10	140406-920	VITON O-RING-1.48 I.D.
C	7	140675-007	VITON O-RING/FACE SEAL-1.18 I.D.
D	3	140406-908	VITON O-RING-0.64 I.D.

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Fluid Piping (air-cooled, with fluid pump) - 146372-002/-003

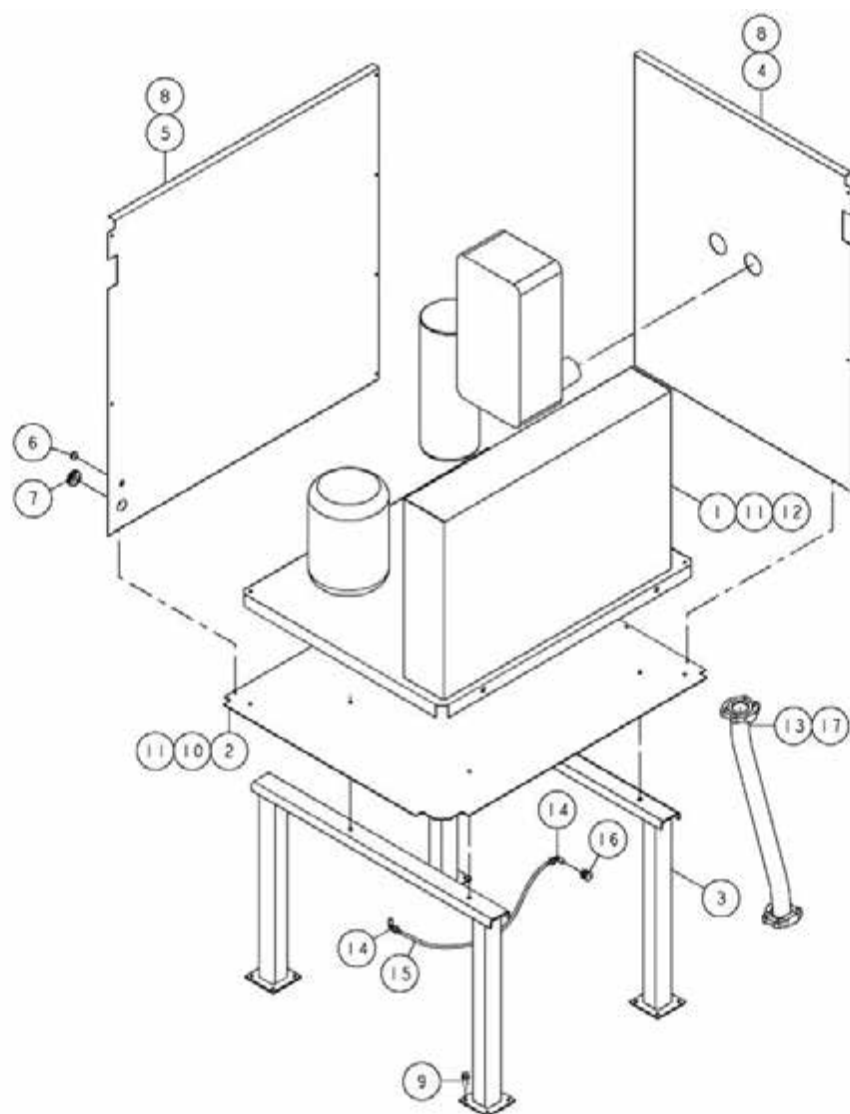


Fluid Piping (air-cooled, with fluid pump) - 146372-002/-003

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	125657-013	THERMAL VALVE, 190°F
2	1	129845	FLUID FILTER HEAD
3	1	142136	FLUID FILTER ELEMENT
4	1	146742	TUBE ASSEMBLY-1.25 O.D.
5	1	146679	TUBE ASSEMBLY-1.25 O.D.
6	1	146245-2020	AIR HOSE - 1.12 X 20.00 LONG (QSI-370i)
	1	146245-2030	AIR HOSE - 1.12 X 30.00 LONG (QSI-500i)
7	2	146245-2025	AIR HOSE - 1.12 X 25.00 LONG
8	1	140672-007	TEE-1.25 TUBE X 1-5/8-12 (O-RING)
9	2	140676-021	ELBOW-1.25 TUBE X 1-5/8-12 (O-RING)
10	6	140682-024	CONNECTOR-1.25 TUBE X 1-5/8-12 (O-RING)
11	1	128884-162	UNION-1-5/8-12 (O-RING)
12	1	147348	FLUID FILTER BRACKET
13	2	141631-K10	CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)
14	2	142578-L23	CAP SCREW-ZINC, 3/8-16 UNC X 3.50, GRADE 5 (@ 23 FT-LBS)
15	2	110428W038	FLAT WASHER-0.38
16	2	112272-L02	SELF-LOCKING HEX NUT-ZINC, 3/8-16 UNC

COMPONENT MAINTENANCE PARTS

A	1	125657-067	THERMAL VALVE KIT (INCLUDES THE FOLLOWING 3 ITEMS:)
	1	125657-068	THERMAL VALVE ELEMENT
	1	125657-051	THERMAL VALVE GASKET/O-RING
	1	125657-052	THERMAL VALVE SEAL
B	10	140406-920	VITON O-RING-1.48 I.D.
C	7	140675-007	VITON O-RING/FACE SEAL-1.18 I.D.
D	3	140406-908	VITON O-RING-0.64 I.D.

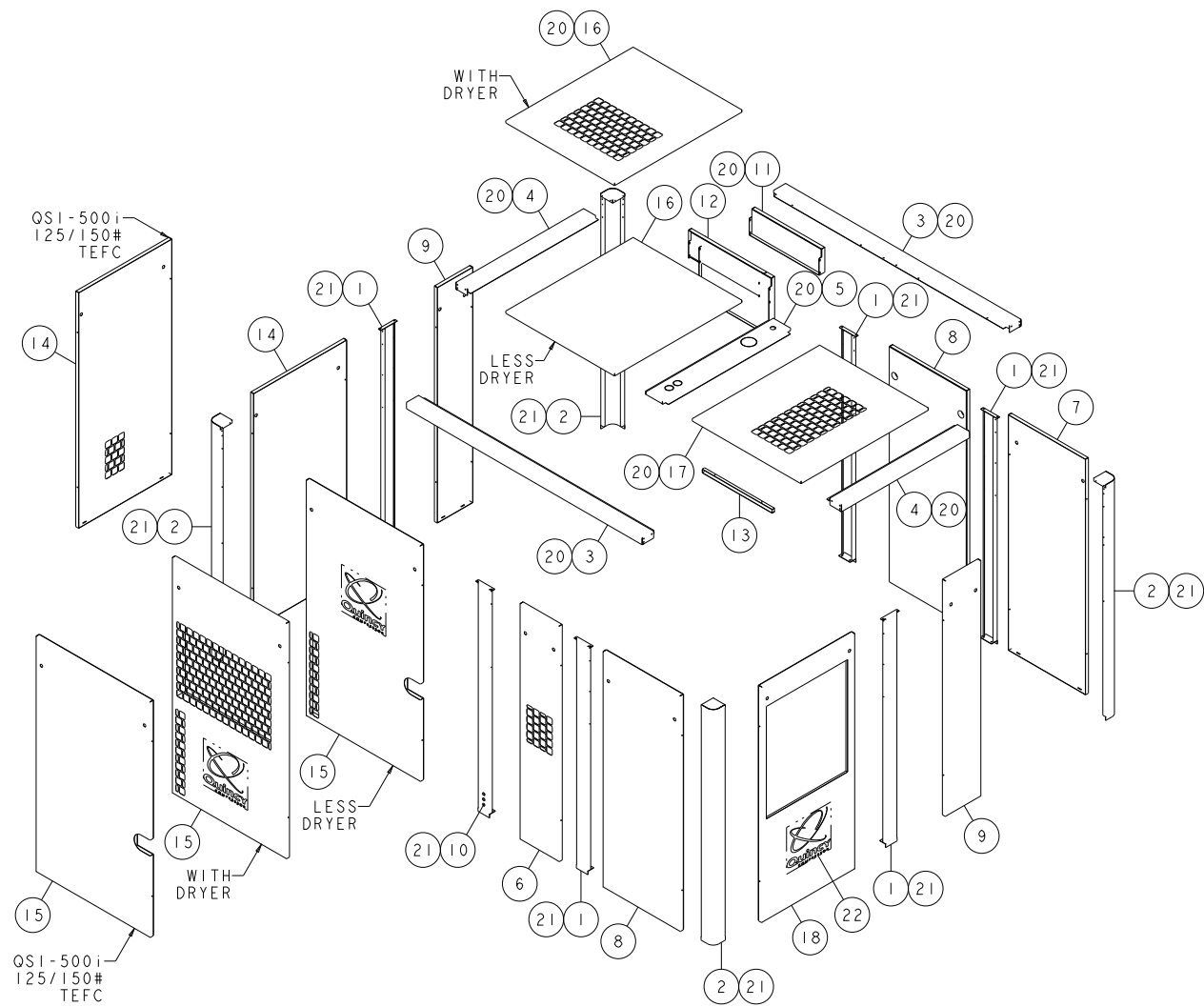


Dryer (optional) -146526-001 thru 146526-007

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	146536-007	DRYER ASSEMBLY (75 HP, 200/230 VOLT)
1	1	146536-003	DRYER ASSEMBLY (75 HP, 380/415 VOLT)
1	1	146536-001	DRYER ASSEMBLY (75 HP, 460 VOLT)
1	1	146536-005	DRYER ASSEMBLY (75 HP, 575 VOLT)
1	1	146536-004	DRYER ASSEMBLY (100 HP, 380/415 VOLT)
1	1	146536-002	DRYER ASSEMBLY (100 HP, 460 VOLT)
1	1	146536-006	DRYER ASSEMBLY (100 HP, 575 VOLT)
2	1	146522-01	BASE DRYER PANEL
3	2	146369	DRYER SUPPORT ASSEMBLY
4	1	146522-03	SIDE DRYER PANEL
5	1	146522-02	REAR DRYER PANEL
6	1	140806-03	RUBBER GROMMET
7	1	140806-04	RUBBER GROMMET
8	16	110511-J07	HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50
9	16	14654410030	CAP SCREW-ZINC, 10MM X 30MM
10	4	141631-K10	CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)
11	6	112272-K02	SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC
12	2	142578-K16	CAP SCREW-ZINC, 5/16-18 UNC X 1.75, GRADE 5 (@ 13 FT-LBS)
13	1	146749	DRYER BYPASS TUBE
14	2	124349-010	90° MALE ELBOW-0.38 TUBE X 0.25 NPT
15	6.0 FT	124435-004	NYLON TUBING-0.38 O.D.
16	1	129203-003	BULKHEAD COUPLING
17	2	20222-02	SELF LOCK CABLE TIE

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

Cabinet (air-cooled) - 146646-001/-002/-007

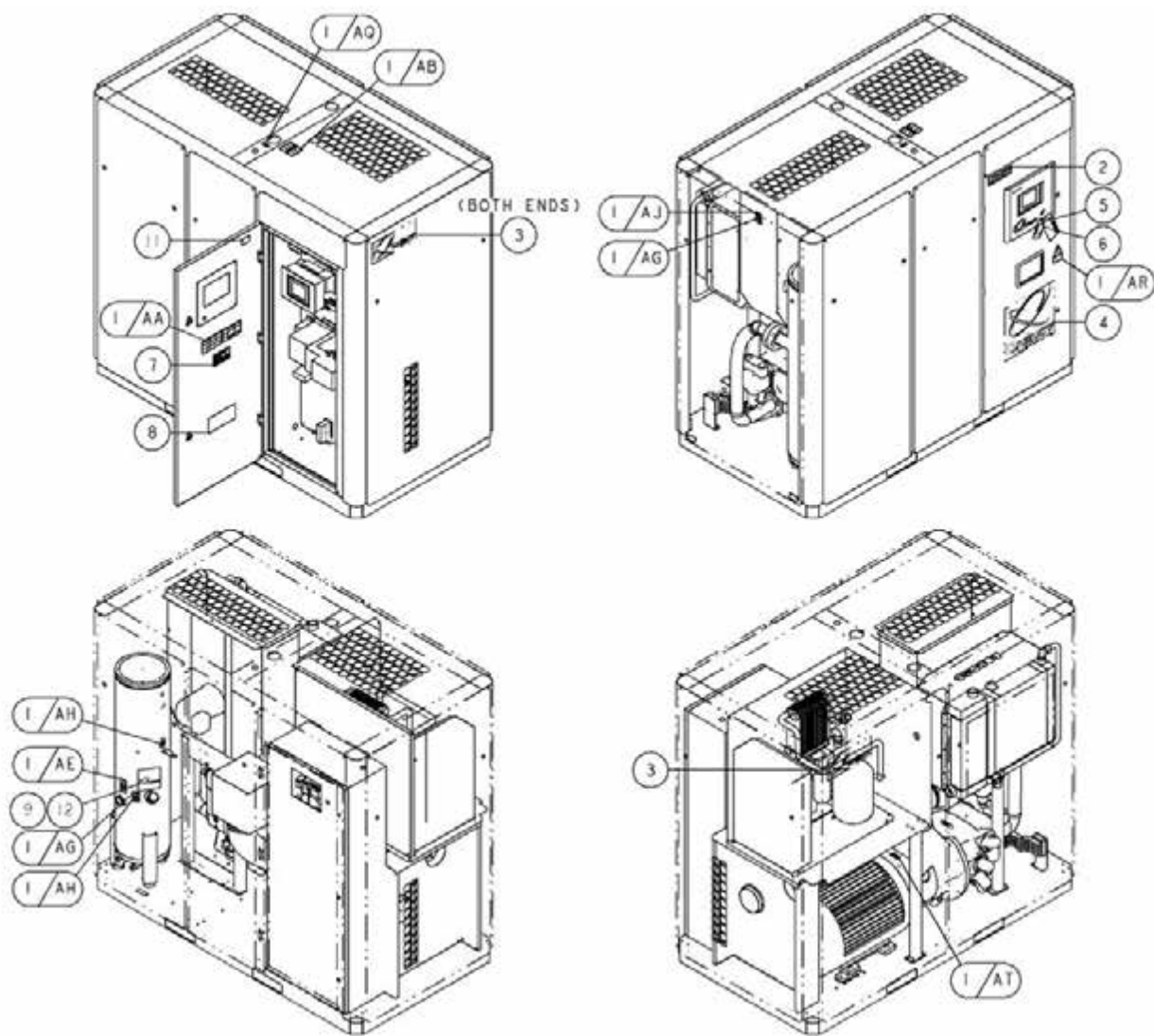


NOTES-UNLESS OTHERWISE SPECIFIED:
1) HARDWARE ITEMS (SCREWS, WASHERS, SUPPORTS & LATCHES) ARE NOT SHOWN.
2) DRYERS NOT AVAILABLE ON QSI-500i UNITS @125 OR 150 PSI WITH TEFC MOTORS.

Cabinet (air-cooled) - 146646-001/-002/-007

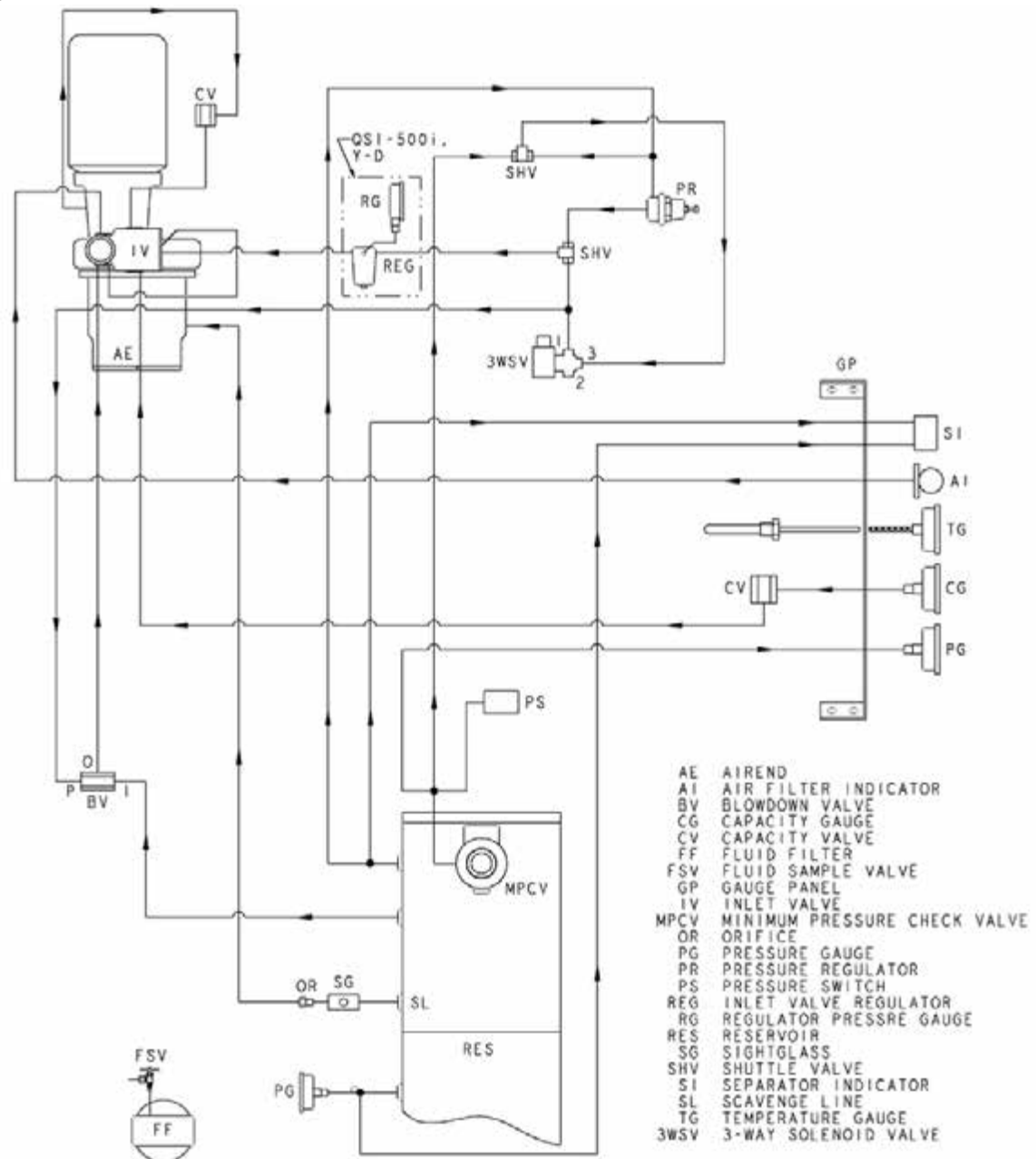
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	5	146684-01	CABINET POST PANEL
2	4	146684-07	CORNER POST PANEL
3	2	146673-01	SIDE ROOF RAIL PANEL
4	2	146673-02	END ROOF RAIL PANEL
5	1	146673-03	CENTER ROOF RAIL PANEL
6	1	146673-05	AIR INLET DOOR PANEL
7	1	146673-06	DOOR PANEL
8	2	146673-07	DOOR PANEL
9	2	146673-09	END DOOR PANEL
10	1	146684-17	CABINET POST PANEL
11	1	146684-32	FILLER PANEL
12	1	146684-29	FILLER PANEL (GAUGE UNIT)
13	1	146684-28	DOOR PANEL EXTENSION
14	1	146673-15	END DOOR PANEL
	1	146673-10	VENTED END DOOR PANEL (QSI-500i, 125 & 150#, w/TEFC MOTOR)
15	1	146673-19	VENTED DOOR PANEL (LESS DRYER)
	1	146673-13	DRYER DOOR PANEL
	1	146673-20	REAR DOOR PANEL (QSI-500i, 125 & 150#, w/TEFC MOTOR)
16	1	146673-11	ROOF PANEL (LESS DRYER)
	1	146673-14	DRYER ROOF PANEL
17	1	146673-12	VENTED ROOF PANEL
18	1	146673-18	COOLER DOOR PANEL
19	36	14654405012	LOCK SCREW-ZINC, 5 MM X 12 MM
20	44	110511-J07	HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50
21	24	14654408020	LOCK SCREW-ZINC, 8 MM X 20 MM
22	3	146021-2	DECAL-Q/QUINCY, WHITE (15 INCH)
23	9	141527-1	PANEL TRIM
24	18	128954-3	QUARTER TURN DOOR LATCH
25	18	146682	DOOR SUPPORT

@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).



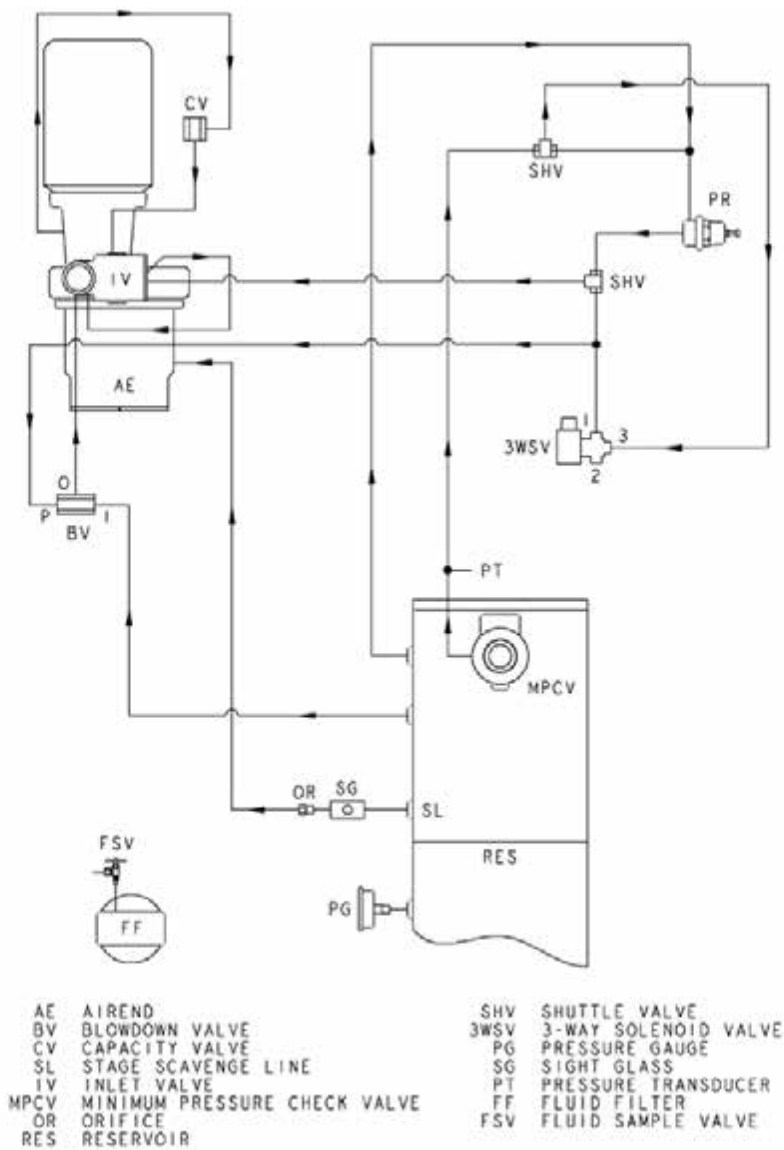
ITEM No.	QTY.	PART NUMBER	DESCRIPTION
1	1	146001	SAFETY DECAL SHEET
2	1	146006-335i	DECAL-QSI-335i
	1	146006-370i	DECAL-QSI-370i
	1	146006-440i	DECAL-QSI-440i
	1	146006-500i	DECAL-QSI-500i
3	3	146002-2	DECAL-QUINCY LOGO (WHITE) (10 INCH)
4	1	146021-2	DECAL-Q/QUINCY, WHITE (15 INCH)
5	1	141250	CAUTION TAG-JOG MOTOR
6	1	22177	TAG-FLUID TYPE SHIPPED WITH UNIT
7	1	128198	GENUINE QUINCY COMPONENTS LABEL
8	1	110690-001	PLASTIC ENVELOPE
9	1	142325	FLUID LEVEL DECAL
10	1	141251	TAG-PLUGS REMOVED... (USED ON W/C ONLY, NOT SHOWN)
11	1	113058	DECAL-CONTROL PANEL, UL LISTED
12	1	143861	DECAL-THIS MACHINE PROTECTED WITH QUINSYN PG™
	1	144048	DECAL-THIS MACHINE PROTECTED WITH QUINSYN PLUS
	1	140519-3	DECAL-THIS MACHINE PROTECTED WITH QUINSYN XP®
	1	128426	DECAL-THIS MACHINE PROTECTED WITH QUINSYN-F®

146762-1



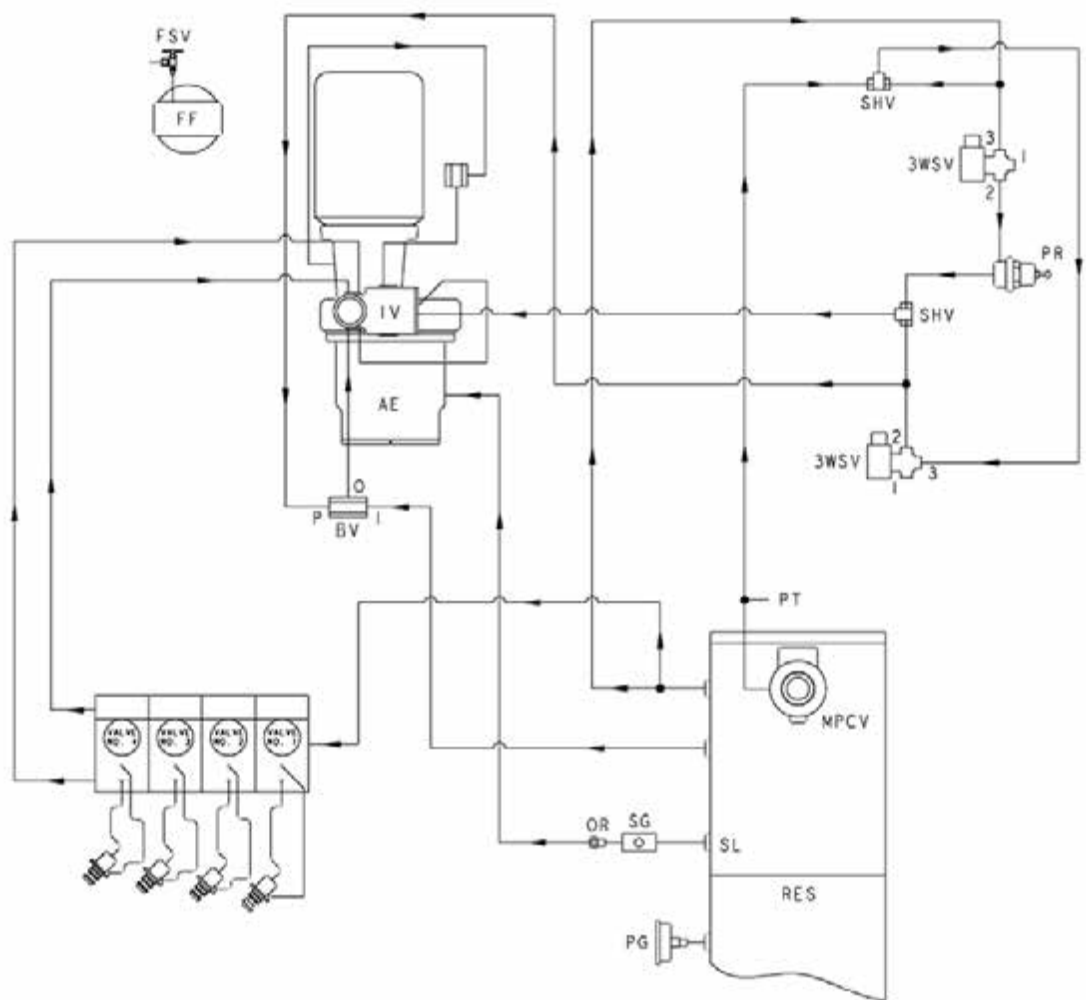
Control Schematic (QSI-370i, electronic control)

146572-1



Control Schematic (QSI-370i, Power\$ync control)

146573-1



- AE AIREND
- BV BLOWDOWN VALVE
- CV CAPACITY VALVE
- FF FLUID FILTER
- FSV FLUID SAMPLE VALVE
- IV INLET VALVE
- MPCV MINIMUM PRESSURE CHECK VALVE
- OR ORIFICE
- PG PRESSURE GAUGE
- PR PRESSURE REGULATOR
- RES RESERVOIR
- SG SIGHTGLASS
- SHV SHUTTLE VALVE
- SL SCAVENGE LINE
- 3WSV 3-WAY SOLENOID VALVE

WP2063A

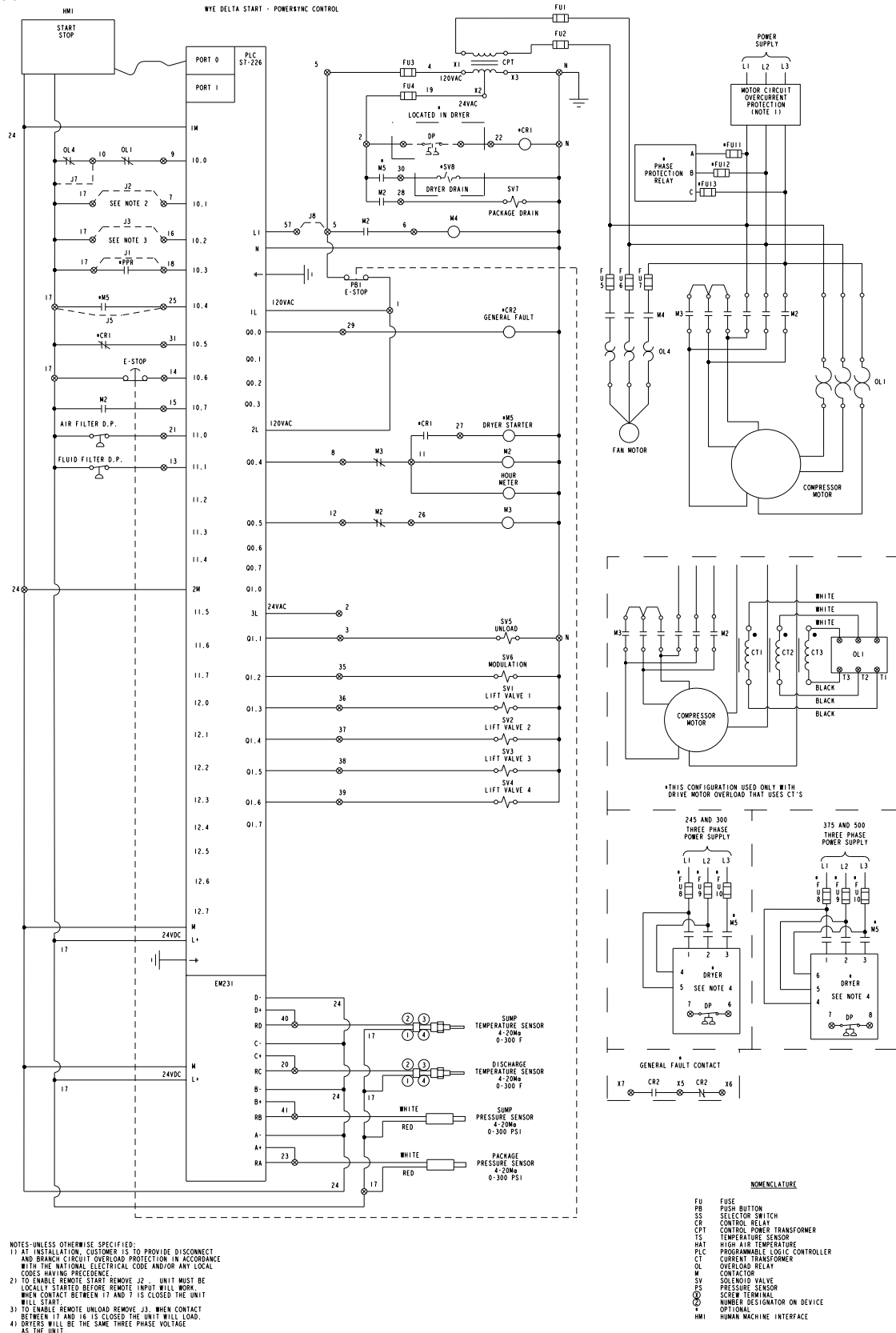


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CORRECTED DIAGRAM. (09/04/07)

Electrical Control Diagram (PowerSync, wye-delta)

WP2063B



Quincy Compressor® - OSI 370i/500i

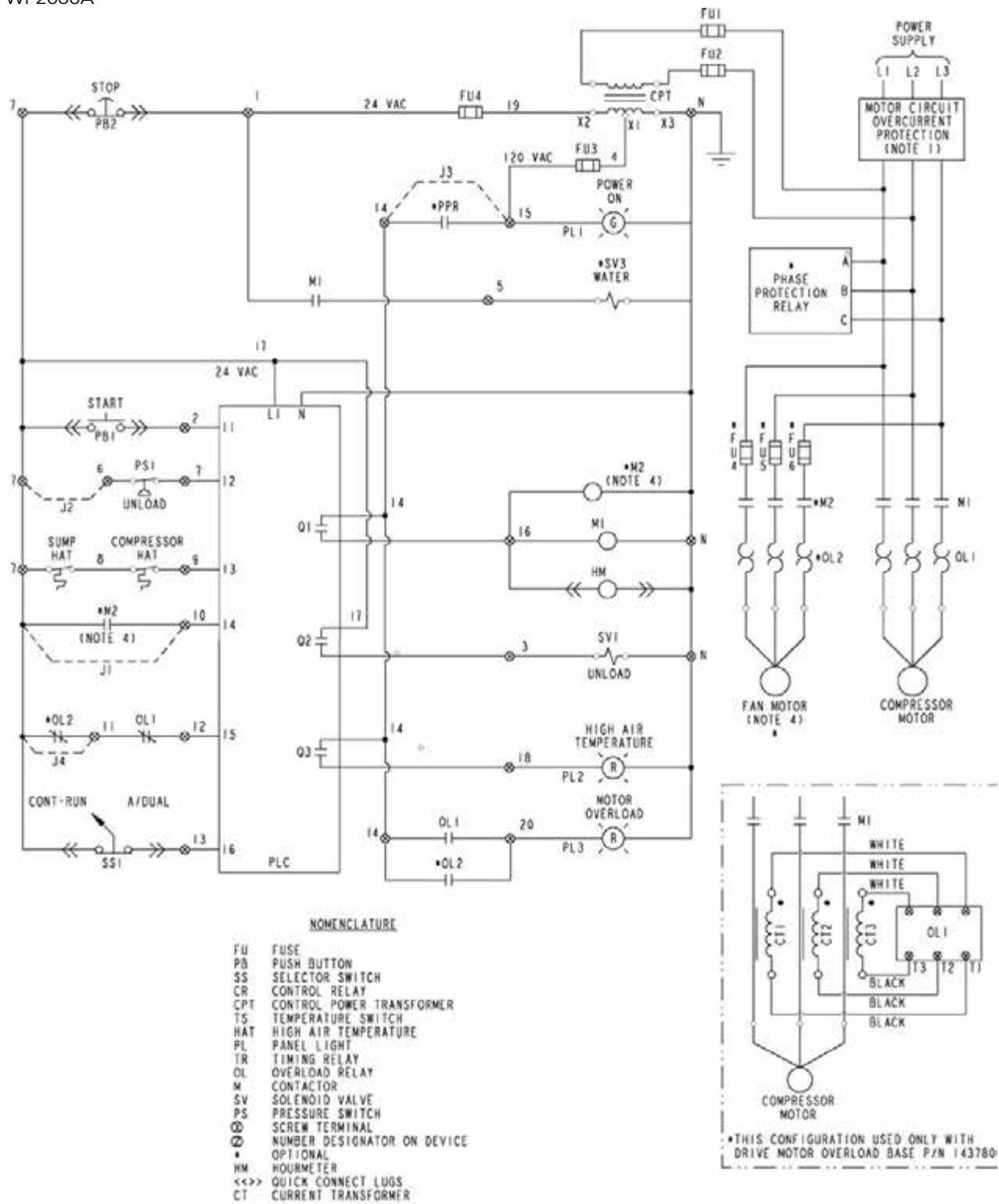
73

CORRECTED DIAGRAM. (09/04/07)

Back to Index

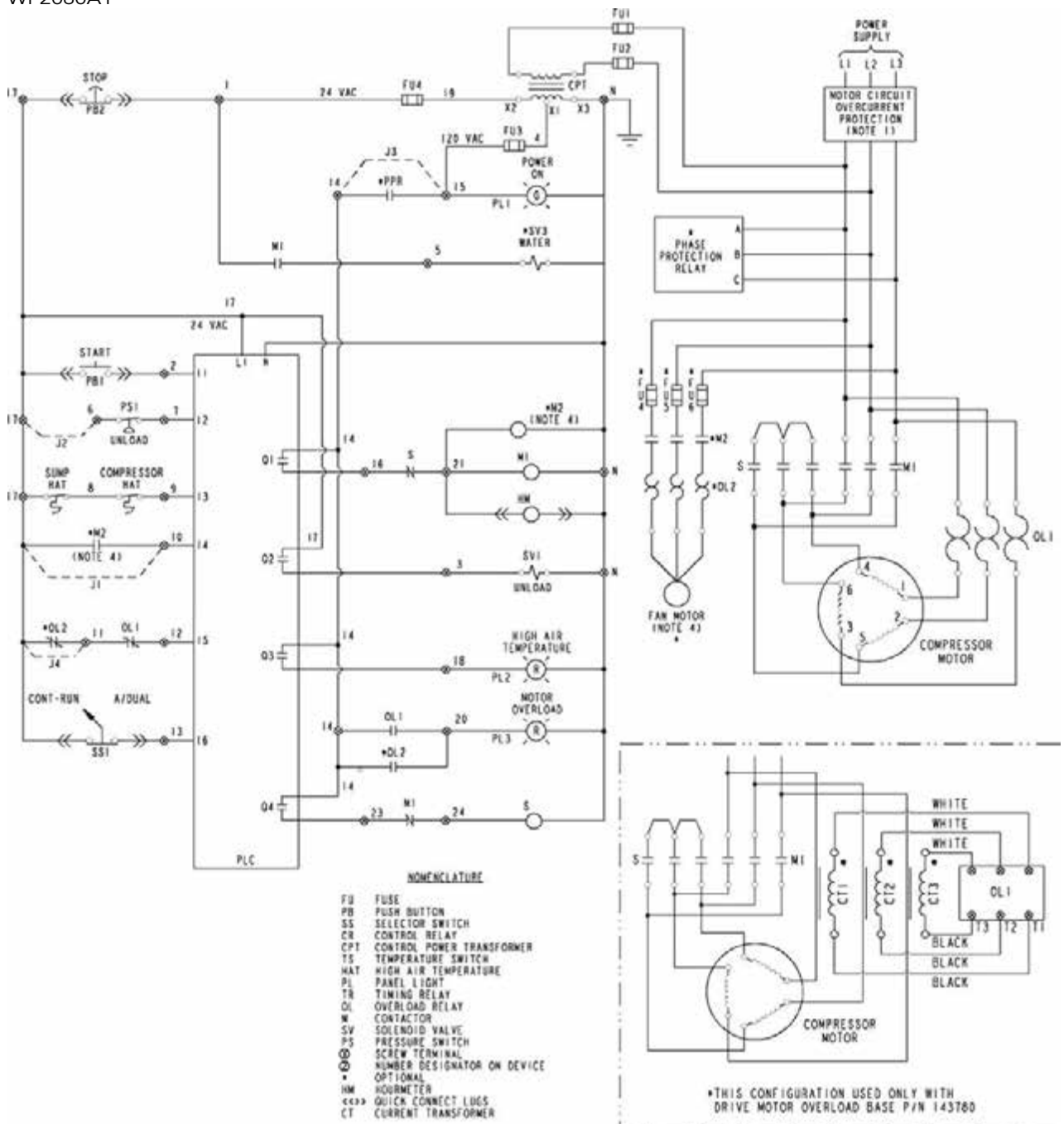
Electrical Control Diagram (PLC, auto dual, full voltage)

WP2060A



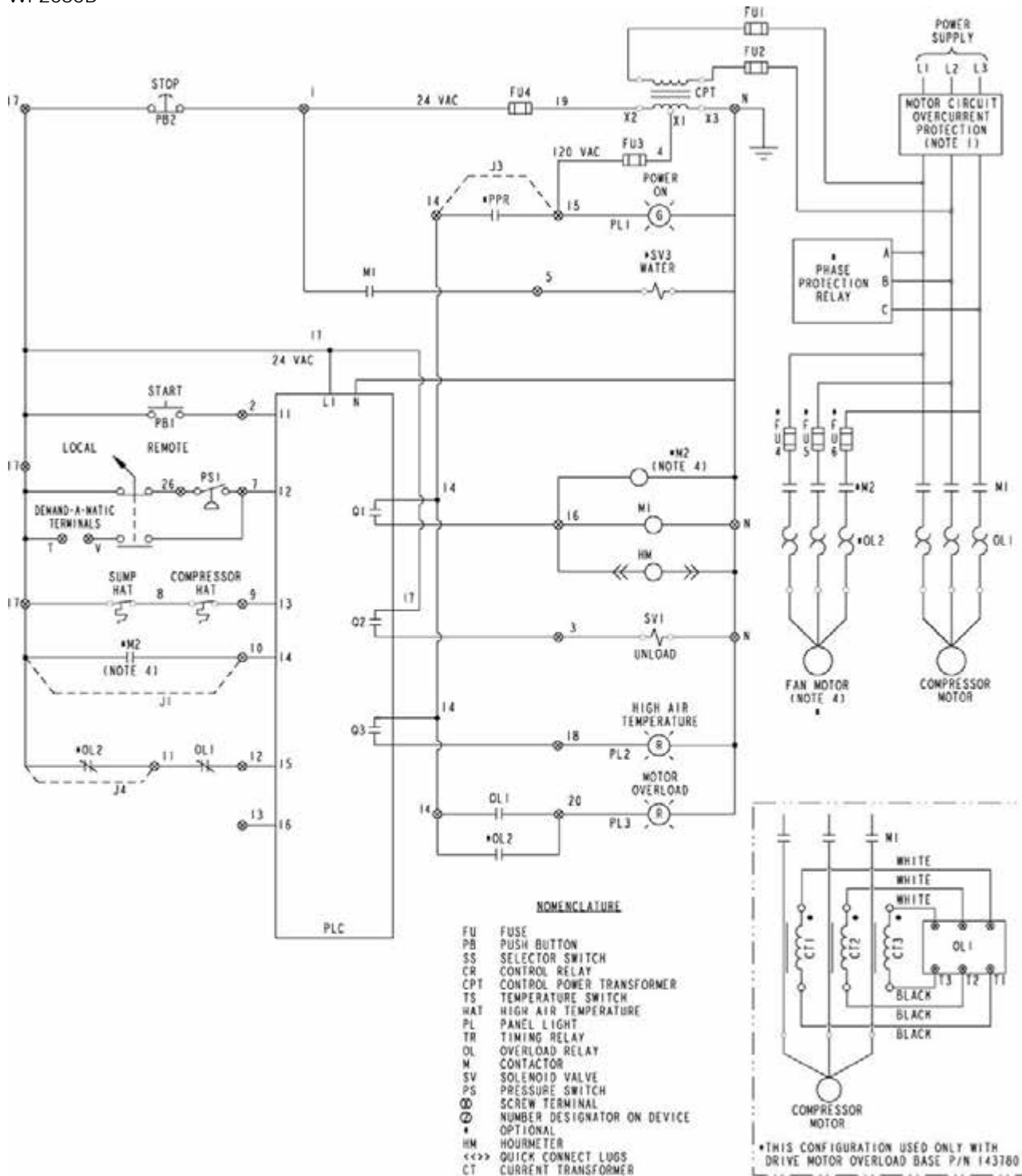
Electrical Control Diagram (PLC, auto dual, wye-delta)

WP2060A1



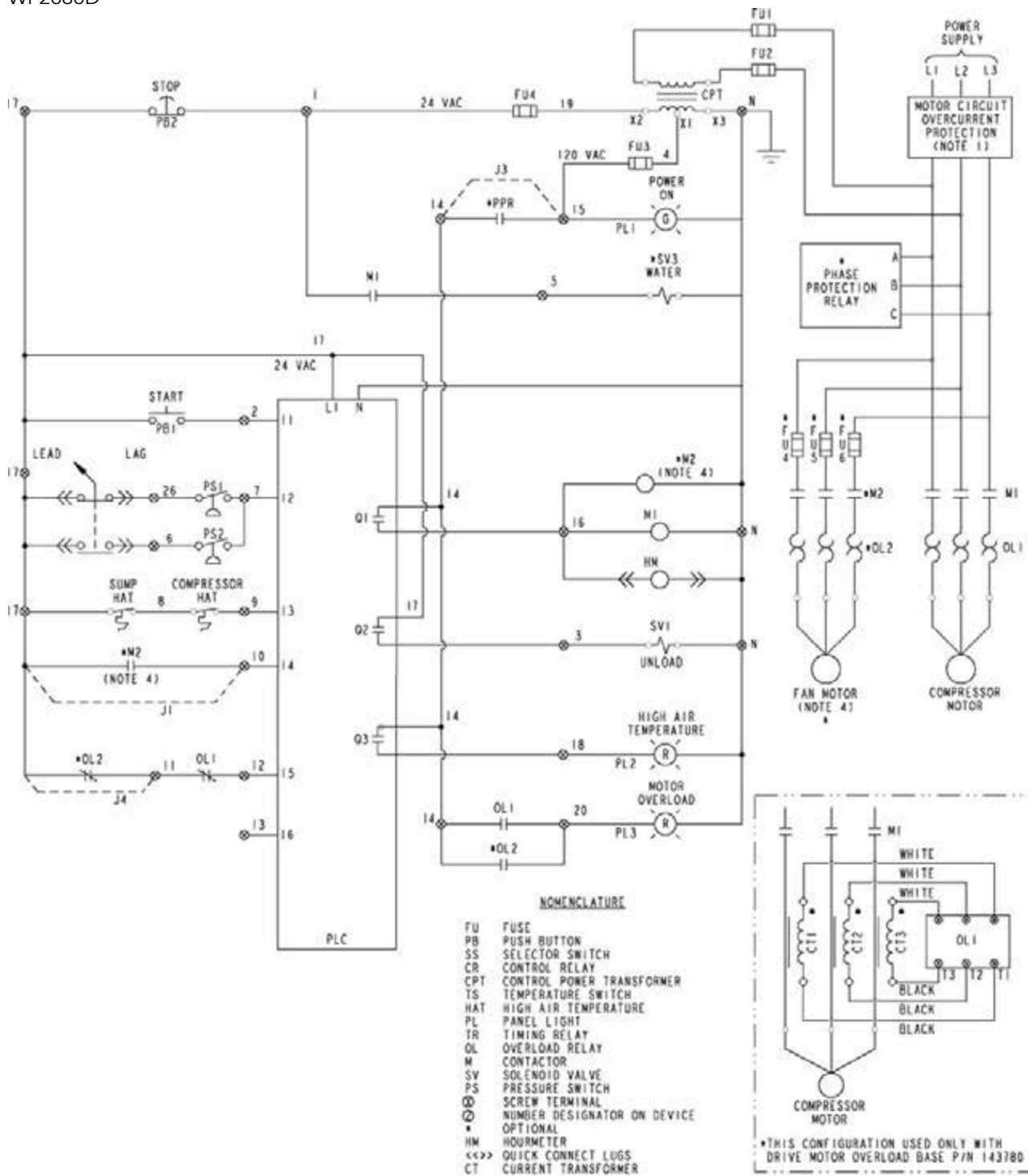
Electrical Control Diagram (PLC, auto demand, full voltage)

WP2060B



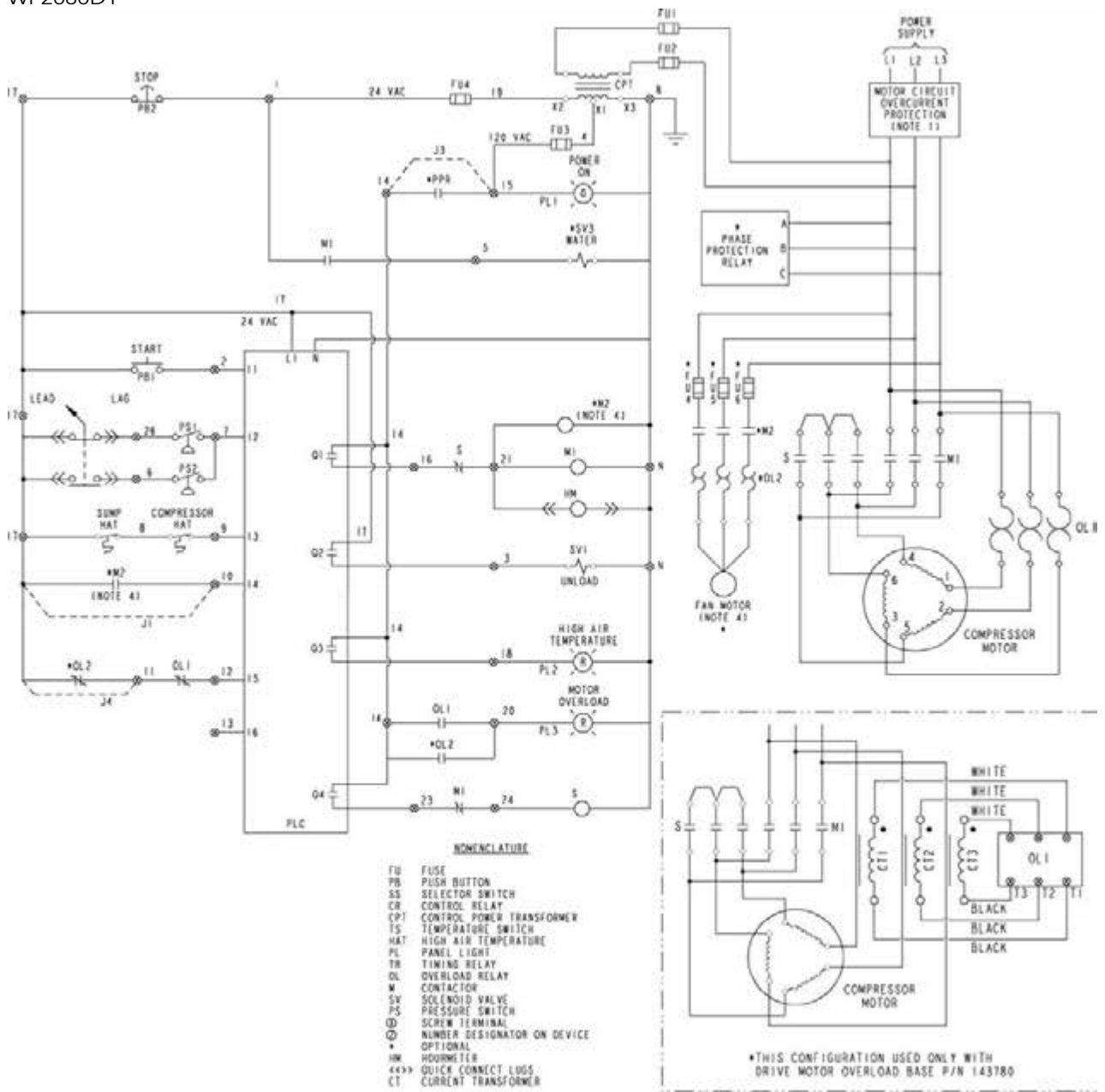
Electrical Control Diagram (PLC, lead/lag, full voltage)

WP2060D



Electrical Control Diagram (PLC, lead/lag, wye-delta)

WP2060D1



Standard Terms and Conditions

Quincy Compressor and Ortman Fluid Power Divisions

LEGAL EFFECT: Except as expressly otherwise agreed to in writing by an authorized representative of Seller, the following terms and conditions shall apply to and form a part of this order and any additional and/or different terms of Buyer's purchase order or other form of acceptance are rejected in advance and shall not become a part of this order.

The rights of Buyer hereunder shall be neither assignable nor transferable except with the written consent of Seller.

This order may not be canceled or altered except with the written consent of Seller and upon terms which will indemnify Seller against all loss occasioned thereby. All additional costs incurred by Seller due to changes in design or specifications, modification of this order or revision of product must be paid for by Buyer.

In addition to the rights and remedies conferred upon Seller by this order, Seller shall have all rights and remedies conferred at law and in equity and shall not be required to proceed with the performance of this order if Buyer is in default in the performance of such order or of any other contract or order with seller.

TERMS OF PAYMENT: Unless otherwise specified in the order acknowledgment, the terms of payment shall be net cash within thirty (30) days after shipment. These terms shall apply to partial as well as complete shipments. If any proceeding be initiated by or against Buyer under any bankruptcy or insolvency law, or in the judgment of Seller the financial condition of Buyer, at the time the equipment is ready for shipment, does not justify the terms of payment specified, Seller reserves the right to require full payment in cash prior to making shipment. If such payment is not received within fifteen (15) days after notification of readiness for shipment, Seller may cancel the order as to any unshipped item and require payment of its reasonable cancellation charges.

If Buyer delays shipment, payments based on date of shipment shall become due as of the date when ready for shipment. If Buyer delays completion of manufacture, Seller may elect to require payment according to percentage of completion. Equipment held for Buyer shall be at Buyer's risk and storage charges may be applied at the discretion of Seller.

Accounts past due shall bear interest at the highest rate lawful to contract for but if there is no limit set by law, such interest shall be eighteen percent (18%). Buyer shall pay all cost and expenses, including reasonable attorney's fees, incurred in collecting the same, and no claim, except claims within Seller's warranty of material or workmanship, as stated below, will be recognized unless delivered in writing to Seller within thirty (30) days after date of shipment.

TAXES: All prices exclude present and future sales, use, occupation, license, excise, and other taxes in respect of manufacture, sales or delivery, all of which shall be paid by Buyer unless included in the purchase price at the proper rate or a proper exemption certificate is furnished.

ACCEPTANCE: All offers to purchase, quotations and contracts of sales are subject to final acceptance by an authorized representative at Seller's plant.

DELIVERY: Except as otherwise specified in this quotation, delivery will be F. O. B. point of shipment. In the absence of exact shipping instruction, Seller will use its discretion regarding best means of insured shipment. No liability will be accepted by Seller for so doing. All transportation charges are at Buyer's expense. Time of delivery is an estimate only and is based upon the receipt of all information and necessary approvals. The shipping schedule shall not be construed to limit seller in making commitments for materials or in fabricating articles under this order in accordance with Seller's normal and reasonable production schedules.

Seller shall in no event be liable for delays caused by fires, acts of God, strikes, labor difficulties, acts of governmental or military authorities, delays in transportation or procuring materials, or causes of any kind beyond Seller's control. No provision for liquidated damages for any cause shall apply under this order. Buyer shall accept delivery within thirty (30) days after receipt of notification of readiness for shipment. Claims for shortages will be deemed to have been waived if not made in writing within ten (10) days after the receipt of the material in respect of which any such shortage is claimed. Seller is not responsible for loss or damage in transit after having received "In Good Order" receipt from the carrier. All claims for loss or damage in transit should be made to the carrier.

Standard Terms and Conditions

Quincy Compressor and Ortman Fluid Power Divisions

TITLE & LIEN RIGHTS: The equipment shall remain personal property, regardless of how affixed to any realty or structure. Until the price (including any notes given therefore) of the equipment has been fully paid in cash, Seller shall, in the event of Buyer's default, have the right to repossess such equipment.

PATENT INFRINGEMENT: If properly notified and given an opportunity to do so with friendly assistance, Seller will defend Buyer and the ultimate user of the equipment from any actual or alleged infringement of any published United States patent by the equipment or any part thereof furnished pursuant hereto (other than parts of special design, construction, or manufacture specified by and originating with Buyer), and will pay all damages and costs awarded by competent court in any suit thus defended or of which it may have had notice and opportunity to defend as aforesaid.

STANDARD WARRANTY: Seller warrants that products of its own manufacture will be free from defects in workmanship and materials under normal use and service for the period specified in the product instruction manual. Warranty for service parts will be ninety (90) days from date of factory shipment. Electric Motors, gasoline and diesel engines, electrical apparatus and all other accessories, components and parts not manufactured by Seller are warranted only to the extent of the original manufacturer's warranty.

Notice of the alleged defect must be given to the Seller, in writing with all identifying details including serial number, type of equipment and date of purchase within thirty (30) days of the discovery of the same during the warranty period.

Seller's sole obligation on this warranty shall be, at its option, to repair or replace or refund the purchase price of any product or part thereof which proves to be defective. If requested by Seller, such product or part thereof must be promptly returned to seller, freight prepaid, for inspection.

Seller warrants repaired or replaced parts of its own manufacture against defects in materials and workmanship under normal use and service for ninety (90) days or for the remainder of the warranty on the product being repaired.

This warranty shall not apply and Seller shall not be responsible or liable for:

- (a) Consequential, collateral or special losses or damages;
- (b) Equipment conditions caused by fair wear and tear, abnormal conditions of use, accident, neglect or misuse of equipment, improper storage or damage resulting during shipping;
- (c) Deviation from operating instructions, specifications or other special terms of sale;
- (d) Labor charges, loss or damage resulting from improper operation, maintenance or repairs made by person(s) other than Seller or Seller's authorized service station.

In no event shall Seller be liable for any claims whether arising from breach of contract or warranty or claims of negligence or negligent manufacture in excess of the purchase price.

THIS WARRANTY IS THE SOLE WARRANTY OF SELLERS AND ANY OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR USE ARE HEREBY SPECIFICALLY EXCLUDED.

LIABILITY LIMITATIONS: Under no circumstances shall the Seller have any liability for liquidated damages or for collateral, consequential or special damages or for loss of profits, or for actual losses or for loss of production or progress of construction, whether resulting from delays in delivery or performance, breach of warranty, negligent manufacture or otherwise.

ENVIRONMENTAL AND OSHA REQUIREMENTS: At the time of shipment of the equipment from the factory, Quincy Compressor / Ortman Fluid Power will comply with the various Federal, State and local laws and regulations concerning occupational health and safety and pollution. However, in the installation and operation of the equipment and other matters over which the seller has no control, the Seller assumes no responsibility for compliance with those laws and regulations, whether by the way of indemnity, warranty or otherwise.

Notes



Quincy Compressor Products: 217.222.7700
E-mail: info@quincycompressor.com
Website: quincycompressor.com



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