



# QSI-220i/245i

# QSI-250i/300i

Direct Drive Industrial 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. 65095-1B

January 2007 Edition

Latest Update: August 2009

*Manual Brought to You By: [IndustrialAirPower.com](http://IndustrialAirPower.com)*



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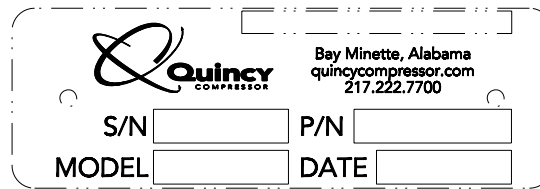
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## Serial Number Identification

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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' and 'COMPRESSOR' underneath. 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

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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 PG™★

★QuinSyn F® (food grade)★

★QuinSyn Plus™★

★QuinSyn XP®★

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<br>50 60 | COOLING<br>A/C | PSI<br>100 125 150     |
| 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 220i/245i - 14 gallons
- QSI 250i/300i - 14 gallons

## Recommended Spare Parts

| QTY. | PART NUMBER | DESCRIPTION                                                          |
|------|-------------|----------------------------------------------------------------------|
| 1    | 140209      | SHAFT SEAL KIT                                                       |
| 1    | 122880-232  | TEMPERATURE SWITCH (230°F)                                           |
| 1    | 146175-100  | DIFFERENTIAL PILOT VALVE KIT<br>(INCLUDES DIAPHRAGM ASSEMBLY & SEAT) |
| 1    | 146397-08   | AIR FILTER ELEMENT                                                   |
| 1    | 144606-01   | AIR/FLUID SEPARATOR                                                  |
| 1    | 128691-051  | MINIMUM PRESSURE CHECK VALVE KIT                                     |
| 1    | 142136      | FLUID FILTER ELEMENT                                                 |
| 1    | 124973-060  | 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.



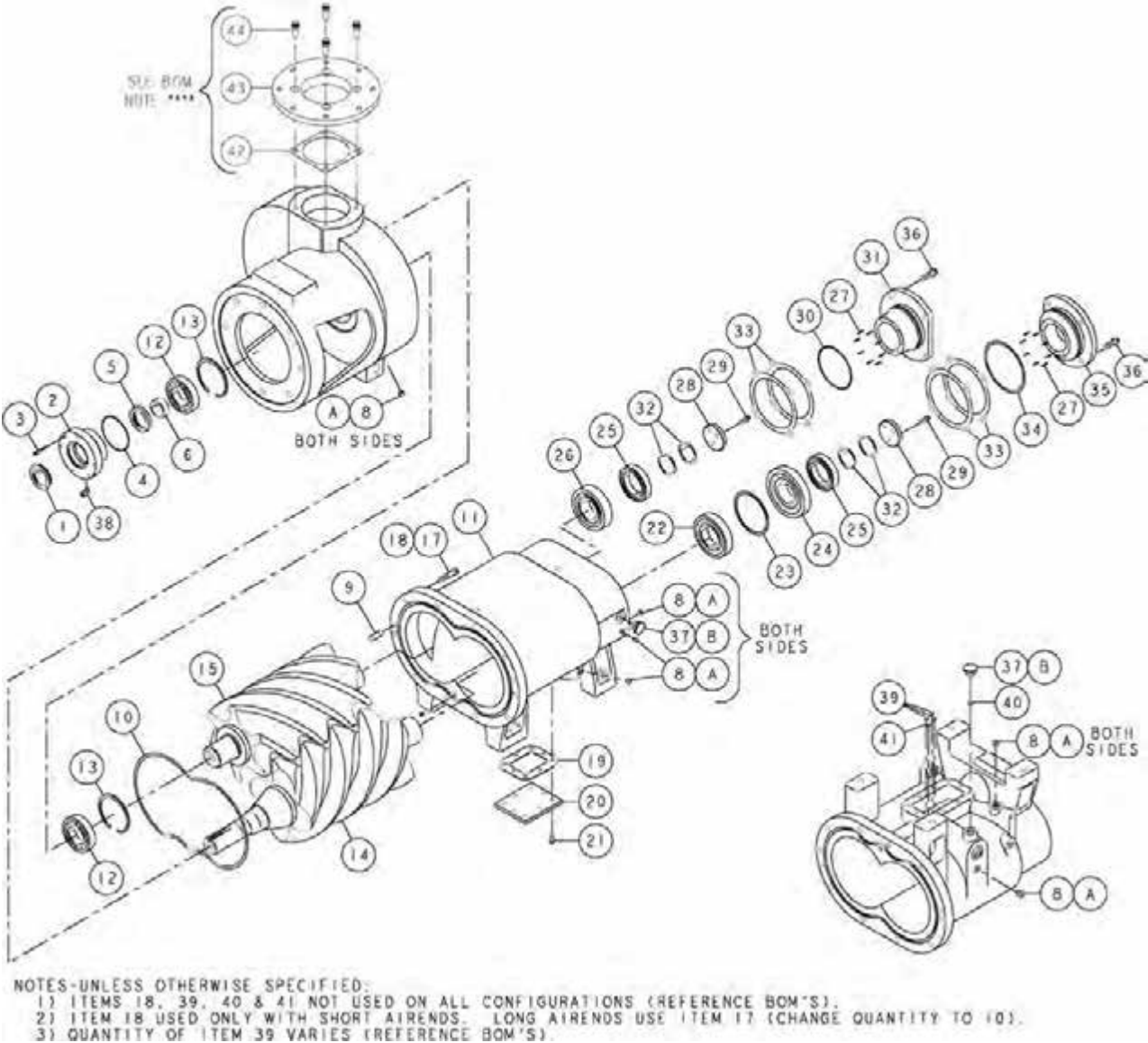
### ANGER



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.

# Airend (less lift valves, less fluid pump)

144231-TEC



| 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.                                   |
|          | 1    | 22749-461   | VITON O-RING-16.00 I.D.                                   |
|          |      |             | (245i/50 Hz, 250i & 300i/60Hz, 300i/50 Hz/150#)           |
| 11       | *    |             | ROTOR HOUSING                                             |
| 12       | *    |             | ROTOR BEARING                                             |
| 13       | *    |             | BEARING                                                   |

## Airend (less lift valves, less fluid pump)

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                                                          |
|----------|------|-------------|--------------------------------------------------------------------------------------|
| 14       | *    |             | MALE ROTOR-204 MM                                                                    |
| 15       | *    |             | FEMALE ROTOR-204 MM                                                                  |
| 16       | 1    | 23207       | PLUG ORIFICE-0.12 NPT                                                                |
| 17       | 9    | 90386-N17   | COUNTERBORE SCREW-1/2-13 UNC X 2.00,<br>GRADE 8 (@ 75 FT-LBS)                        |
| 18       | 1    | 123478-N16  | CAP SCREW-1/2-13 UNC X 1.75, GRADE 5 (@ 55 FT-LBS)                                   |
| 19       | 1    | 22530       | FLUID GALLERY PLATE GASKET                                                           |
|          | 1    | 23548       | FLUID GALLERY PLATE GASKET<br><b>(245i/50 Hz, 250i &amp; 300i, 300i/50 Hz/150#)</b>  |
| 20       | 1    | 22528       | FLUID GALLERY COVER PLATE                                                            |
|          | 1    | 23544       | FLUID GALLERY COVER PLATE<br><b>(245i/50 Hz, 250i &amp; 300i, 300i/50 Hz/150#)</b>   |
| 21       | 8    | 90386-L12   | COUNTERBORE SCREW-3/8-16 UNC X 1.00,<br>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,<br>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,<br>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                                                  |
| 39***    | 2    | 126621-005  | PLUG ORIFICE-0.125 NPT                                                               |
|          | 3    | 126621-002  | PLUG ORIFICE-0.125 NPT <b>(250i &amp; 300i/50Hz)</b>                                 |
| 40***    | 1    | 126621-004  | PLUG ORIFICE-0.25 NPT                                                                |
| 41       | 1    | 121160      | PIPE PLUG-0.125 NPT <b>(250i &amp; 300i/50Hz ONLY)</b>                               |
| 42****   | 1    | 141608      | INLET VALVE GASKET                                                                   |
| 43****   | 1    | 128307-1    | INLET VALVE ADAPTER PLATE                                                            |
| 44****   | 4    | 123478-N14  | CAP SCREW-1/2-13 UNC X 1.25, GRADE 5 (@ 55 FT-LBS)                                   |

### 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.

\*\*\* NOT USED ON QSI-245i/50 Hz, QSI-250i/-300i/60 Hz OR QSI-300i/50 Hz/150# UNITS.

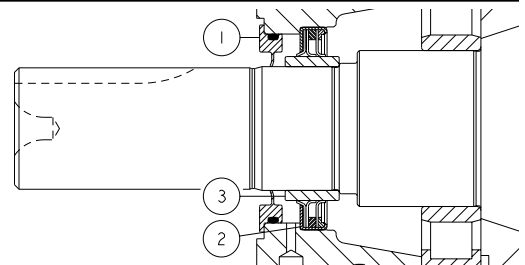
\*\*\*\* USED ONLY ON QSI-300i/50 Hz/150# UNITS.

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

## Shaft Seal Kit - 140209

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                 |
|----------|------|-------------|-----------------------------|
| 1        | 1    | 129613      | COMPRESSOR<br>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.

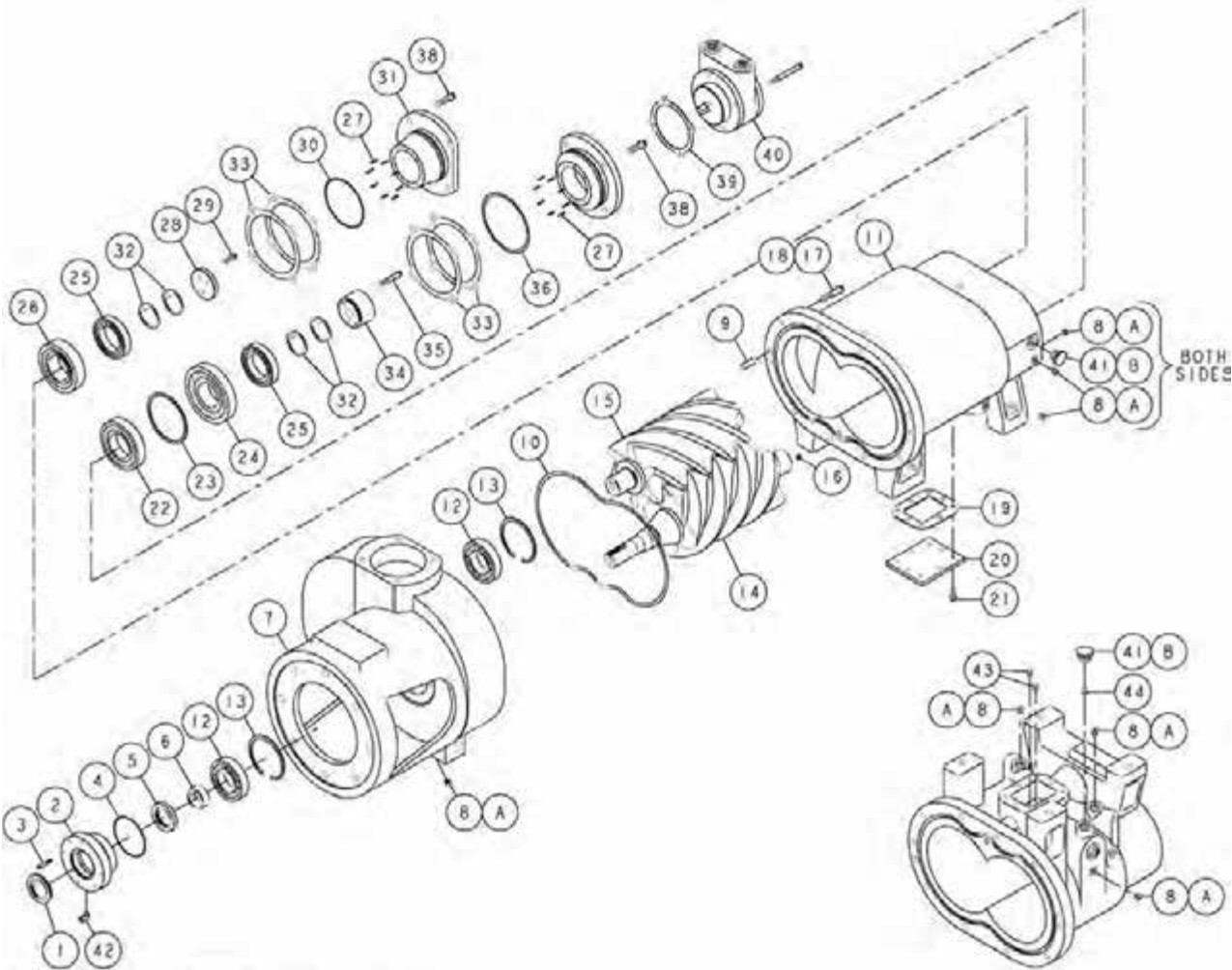


Quincy Compressor® - QSI 245i/300i

5

# Airend (less lift valves, with fluid pump (male pump drive))

144222-TEC



NOTES-UNLESS OTHERWISE SPECIFIED:  
1. ITEMS 43 & 44 NOT USED ON ALL CONFIGURATIONS (REFERENCE BOM'S).

| 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,<br>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.                                      |
|          | 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                                        |

## Airend (less lift valves, with fluid pump (male pump drive))

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                                                          |
|----------|------|-------------|--------------------------------------------------------------------------------------|
| 17       | 9    | 90386-N17   | COUNTERBORE SCREW-1/2-13 UNC X 2.00,<br>GRADE 8 (@ 75 FT-LBS)                        |
| 18       | 1    | 123478-N16  | CAP SCREW-1/2-13 UNC X 1.75, GRADE 5 (@ 55 FT-LBS)                                   |
| 19       | 1    | 22530       | FLUID GALLERY PLATE GASKET                                                           |
|          | 1    | 23548       | FLUID GALLERY PLATE GASKET<br>(245i/50 Hz, 250i & 300i, 300i/50 Hz/150#)             |
| 20       | 1    | 22528       | FLUID GALLERY COVER PLATE                                                            |
|          | 1    | 23544       | FLUID GALLERY COVER PLATE<br>(245i/50 Hz, 250i & 300i, 300i/50 Hz/150#)              |
| 21       | 8    | 90386-L12   | COUNTERBORE SCREW-3/8-16 UNC X 1.00,<br>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       | 1    | 143922      | BEARING RETAINER                                                                     |
| 29       | 3    | 90386-L14   | COUNTERBORE SCREW-3/8-16 UNC X 1.25,<br>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    | 140894      | BEARING RETAINER                                                                     |
| 35       | 3    | 90386-L18   | COUNTERBORE SCREW-3/8-16 UNC X 2.25,<br>GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS) |
| 36       | 1    | 22749-252   | VITON O-RING-5.25 I.D.                                                               |
| 37       | 1    | 143919      | FLUID PUMP ADAPTER                                                                   |
| 38       | 8    | 90386-N15   | COUNTERBORE SCREW-1/2-13 UNC X 1.50,<br>GRADE 8 (@ 75 FT-LBS)                        |
| 39       | 1    | 22531       | FLUID PUMP GASKET                                                                    |
| 40       | 1    | 125452-008  | COMPRESSOR FLUID PUMP                                                                |
| 41       | 3    | 128883-075  | PIPE PLUG-3/4-16 (O-RING)                                                            |
| 42       | 1    | 128967-001  | 45° MALE ELBOW-0.25 TUBE X 0.12 NPT                                                  |
| 43***    | 2    | 126621-005  | PLUG ORIFICE-0.125 NPT                                                               |
| 44***    | 1    | 126621-004  | PLUG ORIFICE-0.25 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.

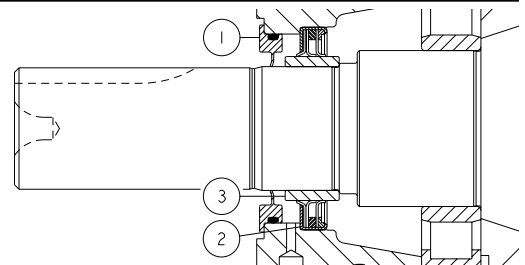
\*\*\* NOT USED ON QSI-245i/50 Hz, 250i/300i/60 Hz OR 300i/50 Hz/150# UNITS.

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

## Shaft Seal Kit - 140209

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                 |
|----------|------|-------------|-----------------------------|
| 1        | 1    | 129613      | COMPRESSOR<br>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.

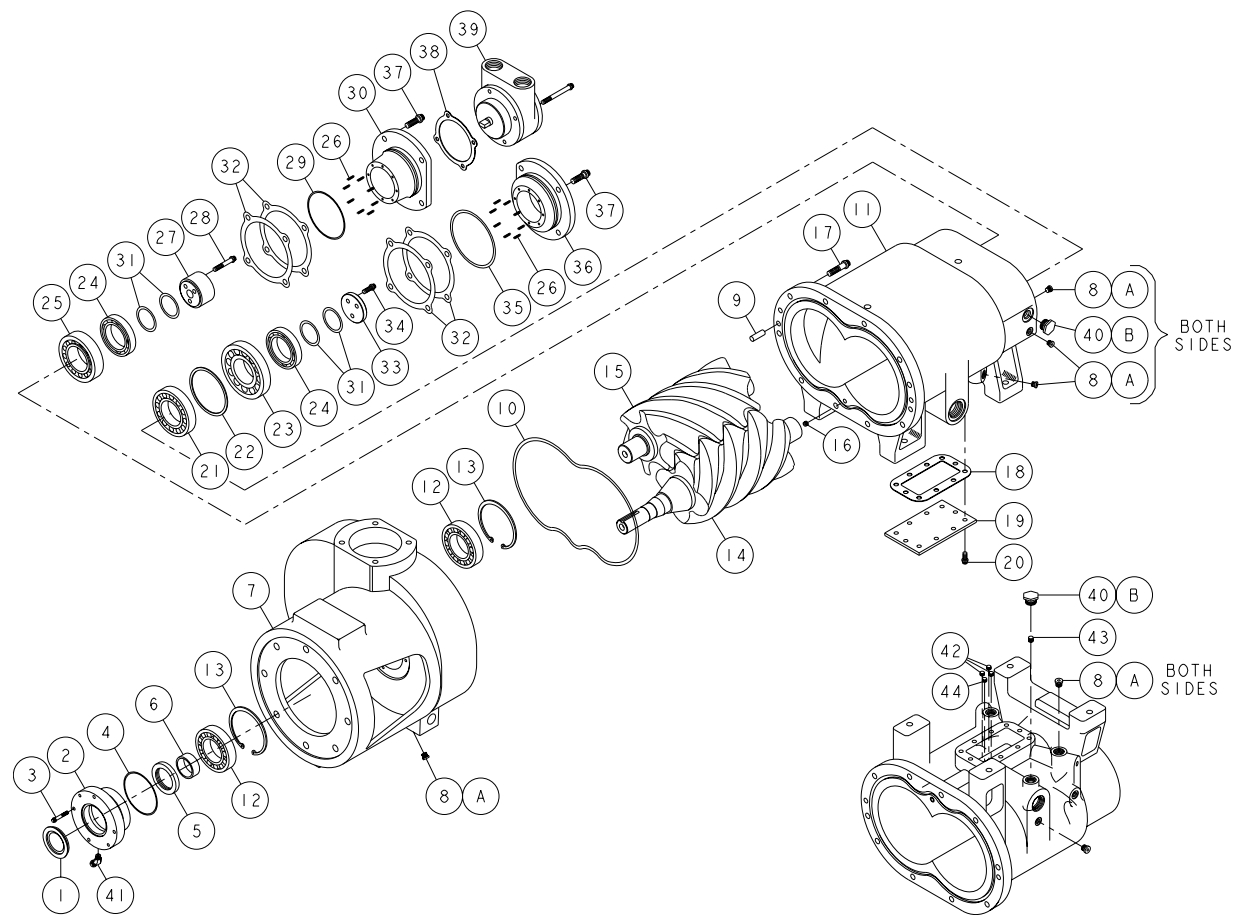


Quincy Compressor® - QSI 245i/300i

7

# Airend (less lift valves, with fluid pump (female pump drive))

144241-TEC



NOTES-UNLESS OTHERWISE SPECIFIED:  
1) ITEMS A & B ARE MAINTENANCE PARTS.

| 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                                     |

## Airend (less lift valves, with fluid pump (female pump drive))

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                                                          |
|----------|------|-------------|--------------------------------------------------------------------------------------|
| 17       | 10   | 90386-N17   | COUNTERBORE SCREW-1/2-13 UNC X 2.00,<br>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,<br>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,<br>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,<br>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,<br>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.

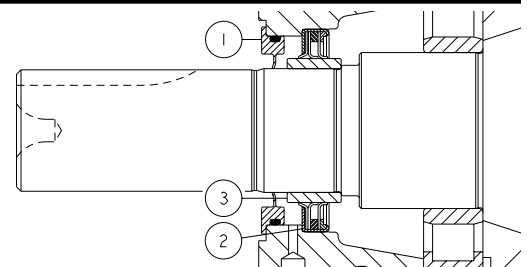
\*\*\* THIS CONFIGURATION (FEMALE PUMP DRIVE) IS USED ONLY ON QSI-250i/50 Hz & 300i/50 Hz.

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

## Shaft Seal Kit - 140209

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                 |
|----------|------|-------------|-----------------------------|
| 1        | 1    | 129613      | COMPRESSOR<br>FLUID SLINGER |
| 2        | 1    | 129612      | SHAFT SEAL                  |
| 3        | 1    | 129610      | WEAR RING SEAL              |

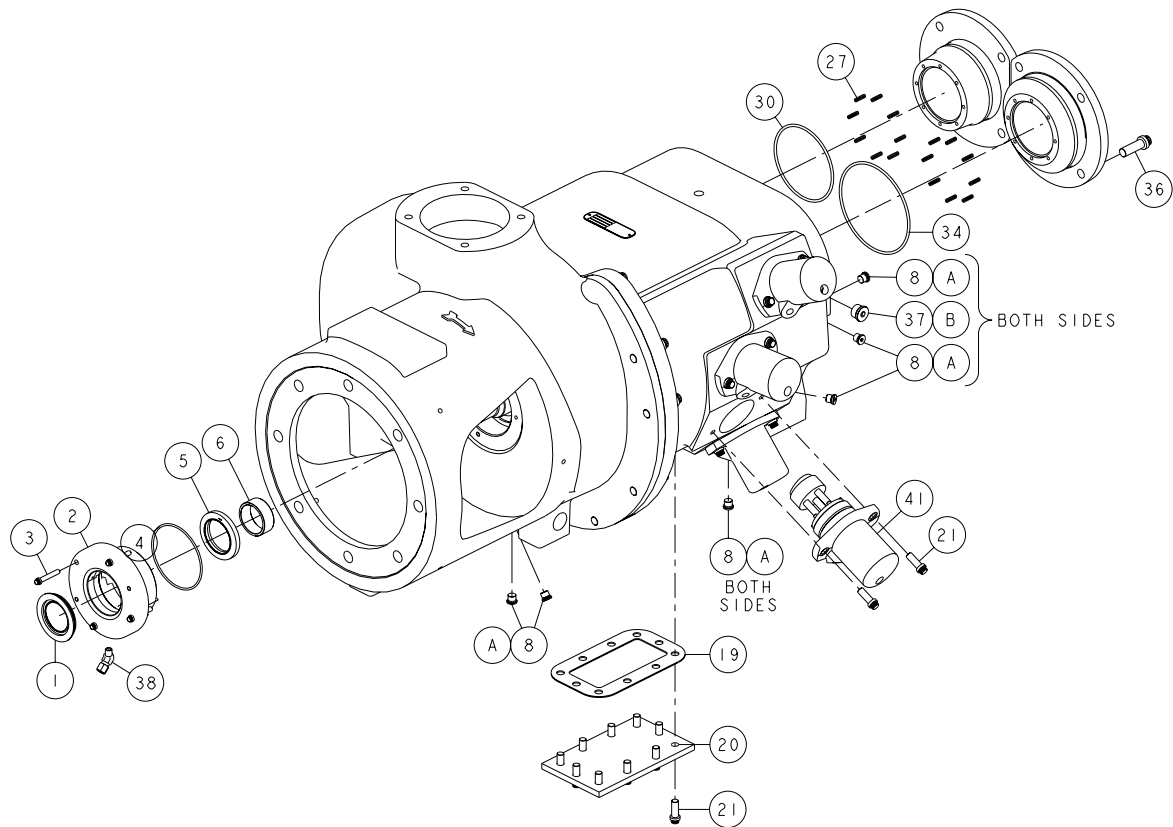
REFERENCE QSI INSTRUCTION MANUAL TO INSTALL COMPRESSOR  
SHAFT SEAL. TOOL KIT 140284 FOR QSI SHAFT SEAL AND WEAR  
RING INSTALLATION CAN BE PURCHASED FROM QUINCY COMPRESSOR.



Quincy Compressor® - QSI 245i/300i

# Airend (with lift valves, less fluid pump)

146047-TEC

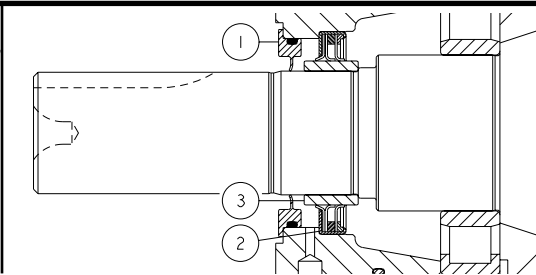


NOTES - UNLESS OTHERWISE SPECIFIED:  
1) ONLY EXTERNAL, REPLACEABLE ITEMS ARE SHOWN.  
INTERNAL AIREND COMPONENTS ARE NOT SHOWN.  
2) NOT ALL REPLACEABLE ITEMS ARE SHOWN.  
3) ITEMS A & B ARE MAINTENANCE ITEMS.

## Shaft Seal Kit - 140209

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                 |
|----------|------|-------------|-----------------------------|
| 1        | 1    | 129613      | COMPRESSOR<br>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 (with lift valves, less fluid pump)

| 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,<br>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       | 9    | 90386-N17   | COUNTERBORE SCREW-1/2-13 UNC X 2.00,<br>GRADE 8 (@ 75 FT-LBS)                        |
| 18       | 1    | 123478-N16  | CAP SCREW-1/2-13 UNC X 1.75, GRADE 5 (@ 55 FT-LBS)                                   |
| 19       | 1    | 22530       | FLUID GALLERY PLATE GASKET                                                           |
|          | 1    | 23548       | FLUID GALLERY PLATE GASKET<br><b>(245i/50 Hz, 250i &amp; 300i, 300i/50 Hz/150#)</b>  |
| 20       | 1    | 22528       | FLUID GALLERY COVER PLATE                                                            |
|          | 1    | 23544       | FLUID GALLERY COVER PLATE<br><b>(245i/50 Hz, 250i &amp; 300i, 300i/50 Hz/150#)</b>   |
| 21       | 16   | 90386-L12   | COUNTERBORE SCREW-3/8-16 UNC X 1.00,<br>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,<br>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,<br>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)                                               |

### 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. |

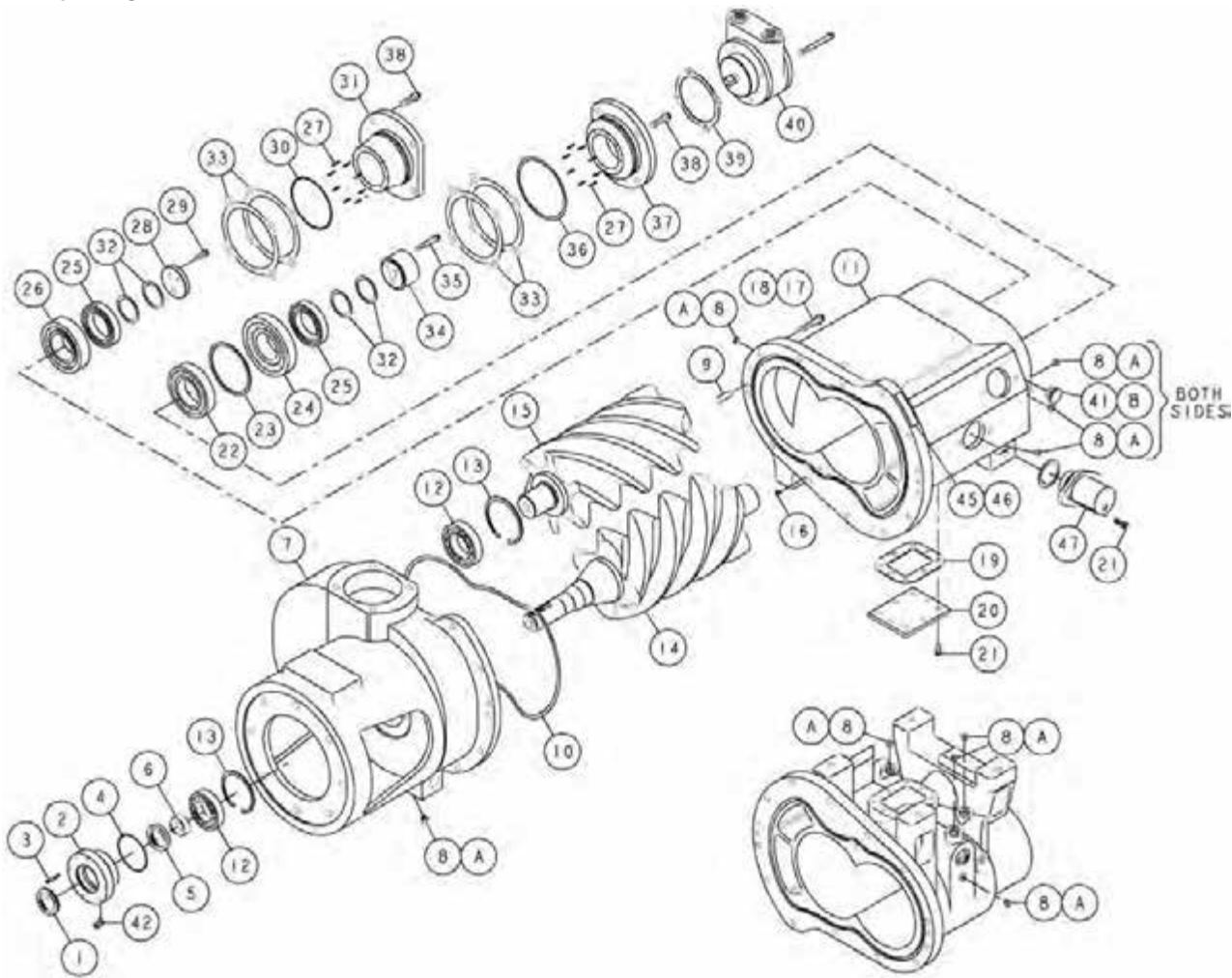
\* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

\*\* QUANTITY AS REQUIRED.

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

Airend (with lift valves, with fluid pump (male pump drive))

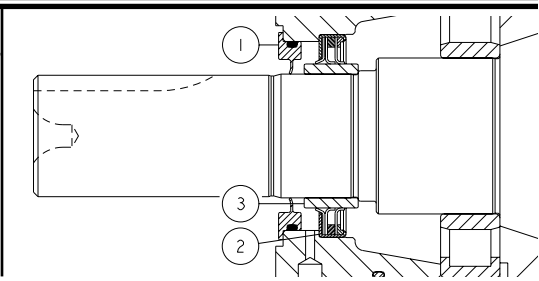
144232-TEC



Shaft Seal Kit - 140209

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                 |
|----------|------|-------------|-----------------------------|
| 1        | 1    | 129613      | COMPRESSOR<br>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 (with lift valves, with fluid pump (male pump drive))

| 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,<br>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                                 | 9    | 90386-N17   | COUNTERBORE SCREW-1/2-13 UNC X 2.00,<br>GRADE 8 (@ 75 FT-LBS)                        |
| 18                                 | 1    | 123478-N16  | CAP SCREW-1/2-13 UNC X 1.75, GRADE 5 (@ 55 FT-LBS)                                   |
| 19                                 | 1    | 22530       | FLUID GALLERY PLATE GASKET                                                           |
|                                    | 1    | 23548       | FLUID GALLERY PLATE GASKET<br>(245i/50 Hz, 250i & 300i, 300i/50 Hz/150#)             |
| 20                                 | 1    | 22528       | FLUID GALLERY COVER PLATE                                                            |
|                                    | 1    | 23544       | FLUID GALLERY COVER PLATE<br>(245i/50 Hz, 250i & 300i, 300i/50 Hz/150#)              |
| 21                                 | 16   | 90386-L12   | COUNTERBORE SCREW-3/8-16 UNC X 1.00,<br>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                                 | 1    | 143922      | BEARING RETAINER                                                                     |
| 29                                 | 3    | 90386-L14   | COUNTERBORE SCREW-3/8-16 UNC X 1.25,<br>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    | 140894      | BEARING RETAINER                                                                     |
| 35                                 | 3    | 90386-L18   | COUNTERBORE SCREW-3/8-16 UNC X 2.25,<br>GRADE 8 (@ 45 FT-LBS, BACK OFF TO 25 FT-LBS) |
| 36                                 | 1    | 22749-252   | VITON O-RING-5.25 I.D.                                                               |
| 37                                 | 1    | 143919      | FLUID PUMP ADAPTER                                                                   |
| 38                                 | 8    | 90386-N15   | COUNTERBORE SCREW-1/2-13 UNC X 1.50,<br>GRADE 8 (@ 75 FT-LBS)                        |
| 39                                 | 1    | 22531       | FLUID PUMP GASKET                                                                    |
| 40                                 | 1    | 125452-008  | COMPRESSOR FLUID PUMP                                                                |
| 41                                 | 2    | 128883-075  | PIPE PLUG-3/4-16 (O-RING)                                                            |
| 42                                 | 1    | 128967-001  | 45° MALE ELBOW-0.25 TUBE X 0.12 NPT                                                  |
| 45                                 | 1    | 142854      | PATENT PLATE                                                                         |
| 46                                 | 2    | 4029        | DATA PLATE PIN                                                                       |
| 47                                 | 4    | 141449-1    | LIFT VALVE (INCLUDES O-RING 22749-141)                                               |
| <u>COMPONENT MAINTENANCE PARTS</u> |      |             |                                                                                      |
| A                                  | 11   | 140406-904  | VITON O-RING-0.35 I.D.                                                               |
| B                                  | 3    | 140406-908  | VITON O-RING-0.64 I.D.                                                               |

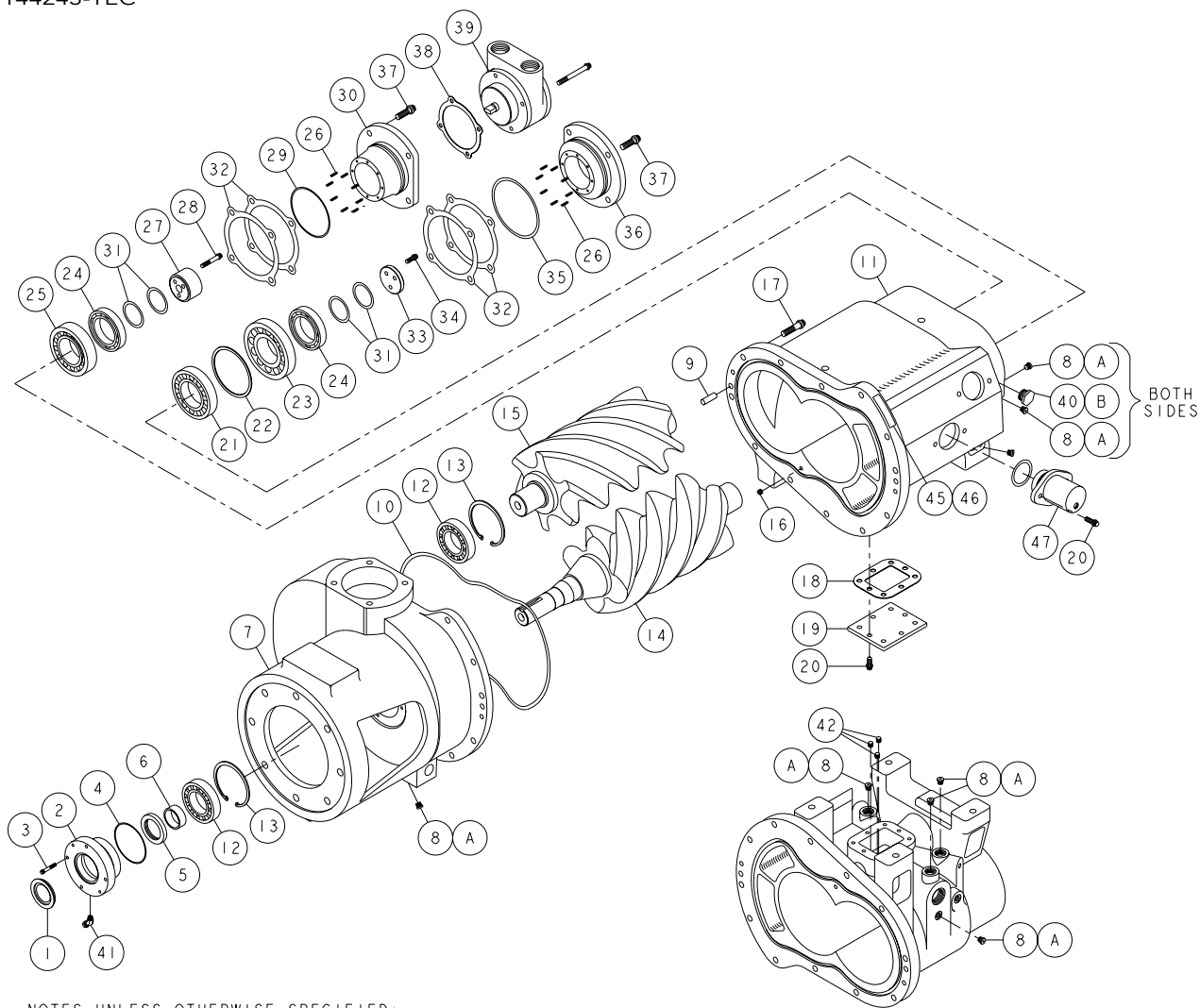
\* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

\*\* QUANTITY AS REQUIRED.

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

# Airend (with lift valves, with fluid pump (female pump drive))

144243-TEC

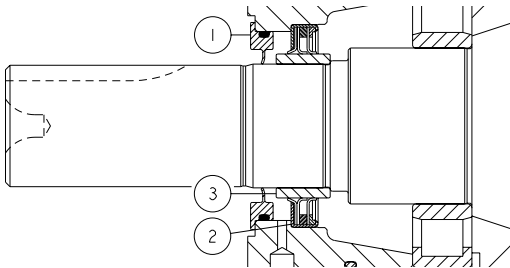


NOTES-UNLESS OTHERWISE SPECIFIED:  
1) ITEMS A & B ARE MAINTENANCE PARTS.

## Shaft Seal Kit - 140209

| ITEM No. | QTY. | PART NUMBER | DESCRIPTION                 |
|----------|------|-------------|-----------------------------|
| 1        | 1    | 129613      | COMPRESSOR<br>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 (with lift valves, with fluid pump (female pump drive))

| 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,<br>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        | 1    | 141472      | 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       | 1    | 144063-2    | ROTOR HOUSING                                                                        |
| 12       | 2    | 124232-005  | ROTOR BEARING                                                                        |
| 13       | 2    | 128203-393  | BEARING                                                                              |
| 14       | 1    | 143939      | MALE ROTOR-204 MM                                                                    |
| 15       | 1    | 143940-2    | 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,<br>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,<br>GRADE 8 (@ 35 FT-LBS)                        |
| 21       | 1    | 124232-007  | ROTOR BEARING                                                                        |
| 22       | 1    | 129964-002  | BEARING RETAINER RING                                                                |
| 23       | 1    | 129963-005  | ROTOR BEARING                                                                        |
| 24       | 2    | 129963-012  | ROTOR BEARING                                                                        |
| 25       | 1    | 129963-011  | 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,<br>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,<br>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,<br>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 | 11 | 140406-904 | VITON O-RING-0.35 I.D. |
| B | 3  | 140406-908 | VITON O-RING-0.64 I.D. |

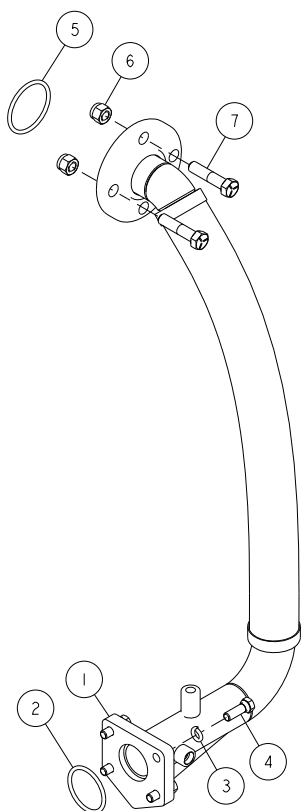
\* ITEMS NOT SOLD SEPARATELY, MUST BE ORDERED AS A COMPLETE AIREND.

\*\* QUANTITY AS REQUIRED.

\*\*\* THIS CONFIGURATION (FEMALE PUMP DRIVE) IS USED ONLY ON QSI-250i/50 Hz & 300i/60 Hz.

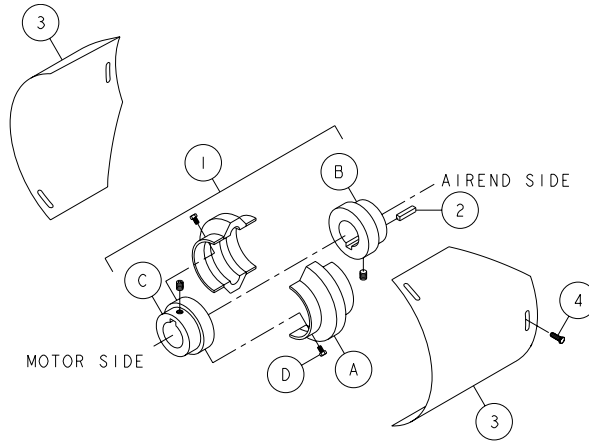
@ INDICATES TORQUE VALUE IN FOOT POUNDS (LUBRICATED THREADS).

# Discharge Piping - 146545-001



| ITEM No. | QTY. | PART NUMBER | DESCRIPTION                                               |
|----------|------|-------------|-----------------------------------------------------------|
| 1        | 1    | 146606      | DISCHARGE MANIFOLD                                        |
| 2        | 1    | 22749-333   | VITON O-RING-2.50 I.D.                                    |
| 3        | 4    | 123115-08Z  | LOCKWASHER-ZINC, 0.50                                     |
| 4        | 4    | 142578-N15  | CAP SCREW-ZINC, 1/2-13 UNC X 1.50, GRADE 5 (@ 23 FT-LBS)  |
| 5        | 1    | 22749-336   | VITON O-RING-2.88 I.D.                                    |
| 6        | 4    | 124370-Q02  | LOCKNUT-5/8-11 UNC                                        |
| 7        | 4    | 142578-Q20  | CAP SCREW-ZINC, 5/8-11 UNC X 2.75, GRADE 5 (@ 110 FT-LBS) |

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



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    | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 23 FT-LBS) |

## COMPONENT MAINTENANCE PARTS

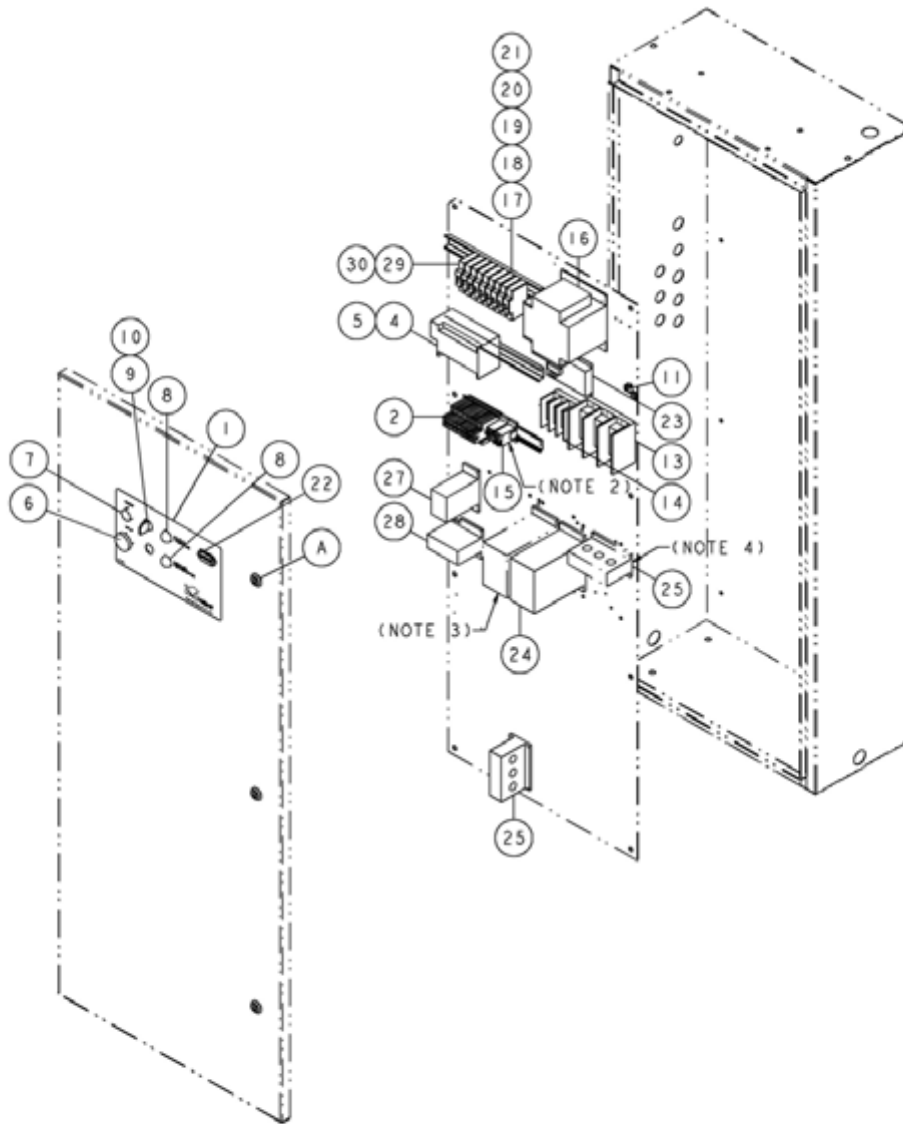
|   |   |            |                                                                         |
|---|---|------------|-------------------------------------------------------------------------|
| A | 1 | 128387-404 | DRIVE COUPLING ELEMENT<br>(1 PAIR OF HALVES SOLD AS A MATCHED SET ONLY) |
| B | 1 | 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).

## 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       | 1    | 128002-001  | GROUND TERMINAL                                               |
| 12       | 2    | 122880-232  | TEMPERATURE SWITCH (230°F)                                    |
| 13       | 1    | 129229-005  | POWER BLOCK                                                   |
| 14**     | 1    | 129229-007  | POWER BLOCK (QSI-245i (ALL VOLTAGES)/QSI-300i (230-575 VOLT)) |
|          | 1    | 129229-009  | POWER BLOCK (QSI-300i/200 VOLT)                               |
| 15***    | 2    | 143059      | SOCKET RELAY                                                  |
| 16       | 1    | 145785-500  | TRANSFORMER (500VA)                                           |
| 17       | 1    | 144117-06   | FUSE HOLDER                                                   |
| 18       | 2    | (PAGE 24)   | 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 (200-240 VOLT)                                  |
|          | 1    | 129200-003  | PHASE MONITOR (360-430 VOLT)                                  |
|          | 1    | 129200-002  | PHASE MONITOR (400-480 VOLT)                                  |
|          | 1    | 128422-003  | PHASE MONITOR (525-625 VOLT)                                  |
| 24       | 1    | (PAGE 24)   | DRIVE MOTOR CONTACTOR (FULL VOLTAGE & WYE-DELTA)              |
|          | 1    | (PAGE 24)   | REDUCED VOLTAGE STARTER                                       |
| 25       | 1    | (PAGE 25)   | DRIVE MOTOR OVERLOAD RELAY                                    |
| 26*****  | 3    | 143781-300  | CURRENT TRANSFORMER                                           |
| 27       | 1    | 144570-01   | FAN MOTOR CONTACTOR                                           |
| 28       | 1    | (PAGE 25)   | FAN MOTOR OVERLOAD RELAY                                      |
| 29       | 1    | 144117-06   | FAN MOTOR FUSE HOLDER                                         |
| 30       | 3    | (PAGE 25)   | FAN MOTOR FUSE                                                |

\* ITEMS 4 & 5 (PLC CONTROLLER & PROGRAM CHIP) NOT USED ON REMOTE START UNITS.

\*\* ITEM 14 (POWER BLOCK) USED ONLY ON WYE-DELTA UNITS.

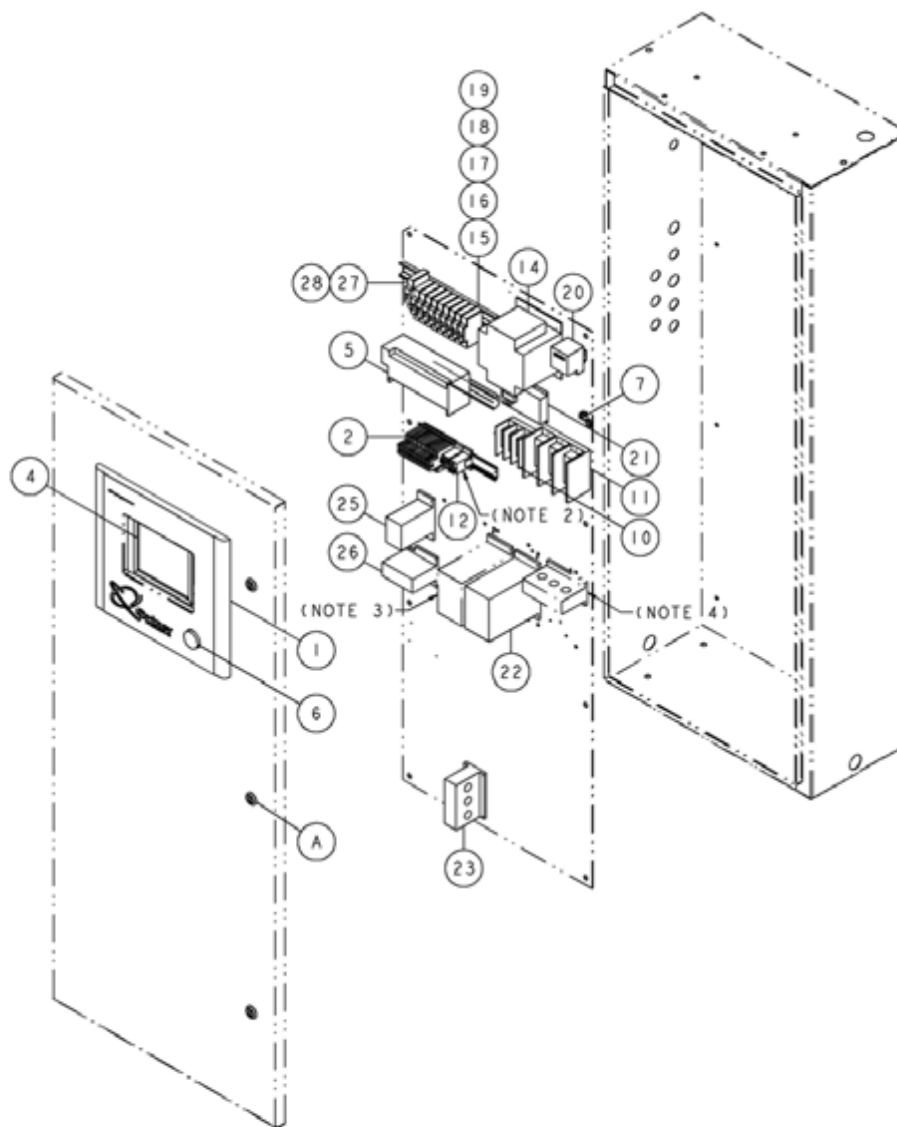
\*\*\* ITEM 15 (RELAY) USED ONLY ON REMOTE START OR REDUCED VOLTAGE STARTER UNITS.

\*\*\*\* ITEM 23 (PHASE MONITOR) IS OPTIONAL.

\*\*\*\*\* ITEM 26 (CURRENT TRANSFORMER) USED ONLY WITH 143780-01 (NOT SHOWN) 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)

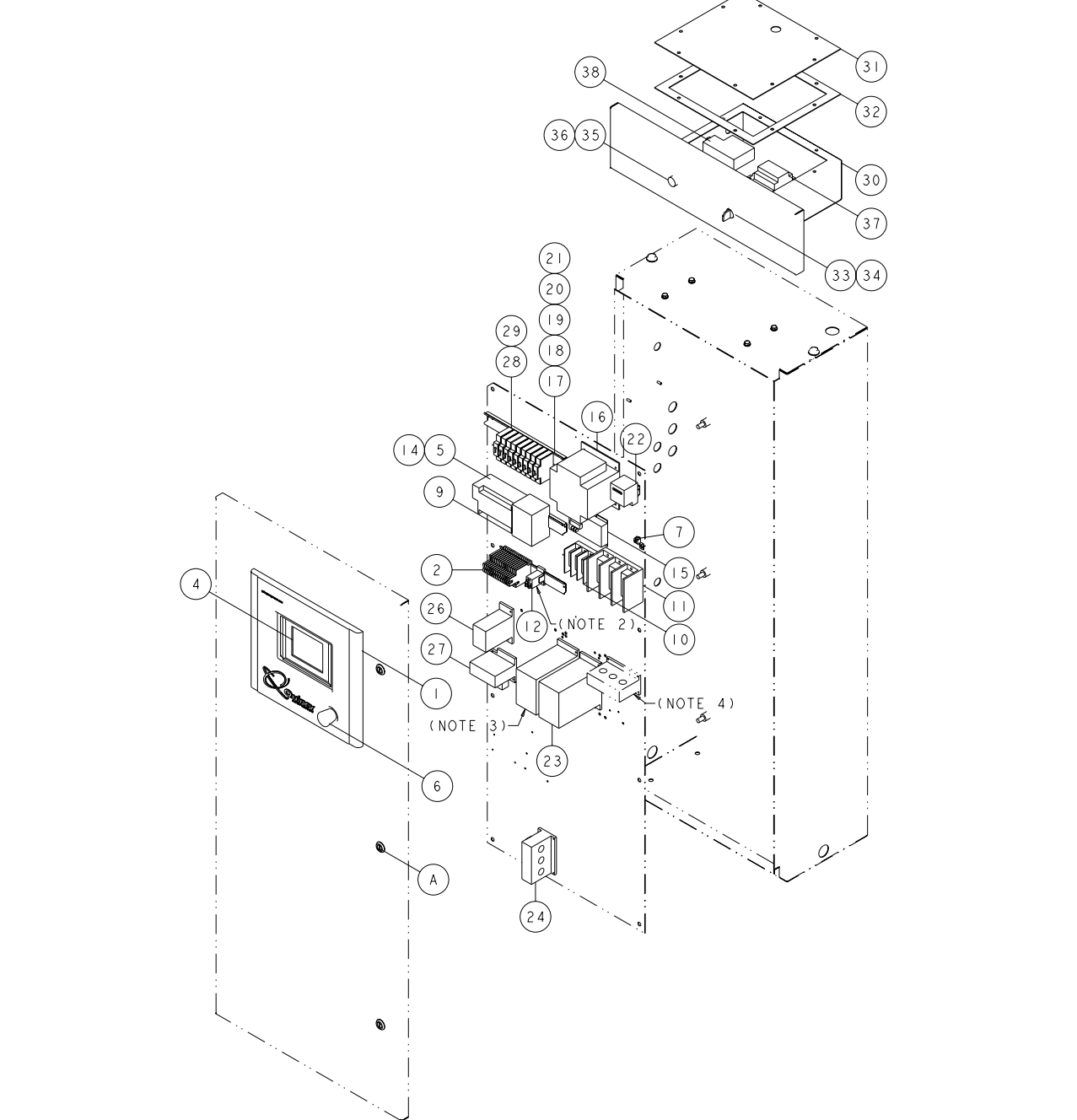
| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                                   |
|----------|------|-------------|---------------------------------------------------------------|
| 1        | 1    | 146669      | BEZEL                                                         |
| 2        | 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        | 1    | 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 (QSI-245i (ALL VOLTAGES)/QSI-300i (230-575 VOLT)) |
|          | 1    | 129229-009  | POWER BLOCK (QSI-300i/200 VOLT)                               |
| 12**     | 2    | 143059      | SOCKET RELAY                                                  |
| 13       | 1    | 145072      | PRESSURE TRANSDUCER (0-300#)                                  |
| 14       | 1    | 145785-500  | TRANSFORMER (500VA)                                           |
| 15       | 1    | 144117-06   | FUSE HOLDER                                                   |
| 16       | 2    | (PAGE 24)   | 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 (200-240 VOLT)                                  |
|          | 1    | 129200-003  | PHASE MONITOR (360-430 VOLT)                                  |
|          | 1    | 129200-002  | PHASE MONITOR (400-480 VOLT)                                  |
|          | 1    | 128422-003  | PHASE MONITOR (525-625 VOLT)                                  |
| 22       | 1    | (PAGE 24)   | DRIVE MOTOR CONTACTOR (Full Voltage & WYE-DELTA)              |
|          | 1    | (PAGE 24)   | REDUCED VOLTAGE STARTER                                       |
| 23       | 1    | (PAGE 25)   | DRIVE MOTOR OVERLOAD RELAY                                    |
| 24****   | 3    | 143781-300  | CURRENT TRANSFORMER                                           |
| 25       | 1    | 144570-01   | FAN MOTOR CONTACTOR                                           |
| 26       | 1    | (PAGE 25)   | FAN MOTOR OVERLOAD RELAY                                      |
| 27       | 1    | 144117-06   | FAN MOTOR FUSE HOLDER                                         |
| 28       | 3    | (PAGE 25)   | FAN MOTOR FUSE                                                |

\* ITEM 11 (POWER BLOCK) USED ONLY ON WYE-DELTA UNITS.

\*\* ITEM 12 (RELAY) USED ONLY ON REMOTE START OR REDUCED VOLTAGE STARTER UNITS.

\*\*\* ITEM 21 (PHASE MONITOR) IS OPTIONAL.

\*\*\*\* ITEM 24 (CURRENT TRANSFORMER) USED ONLY WITH 143780-01 (NOT SHOWN) DRIVE MOTOR OVERLOAD RELAY.



NOTES- UNLESS OTHERWISE SPECIFIED

- 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                                         |
|          | 1    | 146103-004  | CONTACT BLOCKS (2 NORMALLY CLOSED)                            |
| 7        | 1    | 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 (QSI-245i (ALL VOLTAGES)/QSI-300i (230-575 VOLT)) |
|          | 1    | 129229-009  | POWER BLOCK (QSI-300i/200 VOLT)                               |
| 12**     | 2    | 143059      | SOCKET RELAY                                                  |
| 13       | 2    | 145072      | PRESSURE TRANSDUCER (0-300#)                                  |
| 14       | 1    | 146025      | DOMED DECAL-POWER\$YNC                                        |
| 15       | 1    | 145785-500  | TRANSFORMER (500VA)                                           |
| 16       | 1    | 144117-06   | FUSE HOLDER                                                   |
| 17       | 2    | (PAGE 24)   | TRANSFORMER FUSE (PRIMARY)                                    |
| 18       | 1    | 128857-008  | TRANSFORMER FUSE (SECONDARY)                                  |
| 19       | 1    | 144117-04   | FUSE HOLDER                                                   |
| 20       | 1    | 128857-009  | TRANSFORMER FUSE (SECONDARY)                                  |
| 21       | 1    | 146551-60   | HOURLMETER (60 Hz)                                            |
|          | 1    | 146551-50   | HOURLMETER (50 Hz)                                            |
| 22***    | 1    | 129200-001  | PHASE MONITOR (200-240 VOLT)                                  |
|          | 1    | 129200-003  | PHASE MONITOR (360-430 VOLT)                                  |
|          | 1    | 129200-002  | PHASE MONITOR (400-480 VOLT)                                  |
|          | 1    | 128422-003  | PHASE MONITOR (525-625 VOLT)                                  |
| 23       | 1    | (PAGE 24)   | DRIVE MOTOR CONTACTOR (FULL VOLTAGE & WYE-DELTA)              |
|          | 1    | (PAGE 24)   | REDUCED VOLTAGE STARTER                                       |
| 24       | 1    | (PAGE 25)   | DRIVE MOTOR OVERLOAD RELAY                                    |
| 25****   | 3    | 143781-300  | CURRENT TRANSFORMER                                           |
| 26       | 1    | 144570-01   | FAN MOTOR CONTACTOR                                           |
| 27       | 1    | (PAGE 25)   | FAN MOTOR OVERLOAD RELAY                                      |
| 28       | 1    | 144117-06   | FAN MOTOR FUSE HOLDER                                         |
| 29       | 3    | (PAGE 25)   | FAN MOTOR FUSE                                                |

\* ITEM 11 (POWER BLOCK) USED ONLY ON WYE-DELTA UNITS.

\*\* ITEM 12 (RELAY) USED ONLY ON REMOTE START OR REDUCED VOLTAGE STARTER UNITS.

\*\*\* ITEM 21 (PHASE MONITOR) IS OPTIONAL.

\*\*\*\* ITEM 24 (CURRENT TRANSFORMER) USED ONLY WITH 143780-01 (NOT SHOWN) DRIVE MOTOR OVERLOAD RELAY.

### BACKUP CONTROL OPTION (POWER\$YNC ONLY):

|    |   |            |                                                       |
|----|---|------------|-------------------------------------------------------|
| 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                                       |
|    | 1 | 146103-005 | CONTACT BLOCKS<br>(1 NORMALLY OPEN/1 NORMALLY CLOSED) |
| 34 | 1 | 129103-44  | LEGEND PLATE-P\$/BACKUP                               |
| 35 | 1 | 146102L001 | ILLUMINATED GREEN BUTTON-MOMENTARY                    |
|    | 1 | 143144-03  | GREEN LAMP                                            |
|    | 1 | 146103-001 | CONTACT BLOCK (NORMALLY OPEN)                         |
|    | 1 | 146103-002 | CONTACT BLOCK (NORMALLY CLOSED)                       |
| 36 | 1 | 129103-43  | LEGEND PLATE-START                                    |
| 37 | 1 | 146763     | PLC CONTROLLER                                        |
| 38 | 1 | 8698-011   | PRESSURE SWITCH (150-210#)                            |
| 39 | 1 | 122880-232 | TEMPERATURE SWITCH (230°F) (NOT SHOWN)                |

## Electrical Control & Starting (all control types)

| ITEM 18/16 |  | TRANSFORMER FUSE (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 |

| ITEM 24/22 |  | DRIVE MOTOR CONTACTOR |  |
|------------|--|-----------------------|--|
|------------|--|-----------------------|--|

| FULL VOLTAGE |      |           |           |
|--------------|------|-----------|-----------|
| VOLTAGE      | QTY. | 50 HP     | 60 HP     |
| 200          | 1    | 144570-13 | 144570-14 |
| 230          | 1    | 144570-12 | 144570-13 |
| 380          | 1    | 144570-09 | 144570-11 |
| 415          | 1    | 144570-09 | 144570-11 |
| 460          | 1    | 144570-09 | 144570-10 |
| 575          | 1    | 144570-08 | 144570-09 |

| WYE-DELTA |      |           |      |           |
|-----------|------|-----------|------|-----------|
| VOLTAGE   | QTY. | 50 HP     | QTY. | 60 HP     |
| 200       | 1    | 144570-10 | 2    | 144570-11 |
|           | 1    | 144570-08 |      |           |
| 230       | 1    | 144570-10 | 2    | 144570-11 |
|           | 1    | 144570-08 |      |           |
| 380       | 2    | 144570-08 | 1    | 144570-09 |
|           |      |           | 1    | 144570-08 |
| 415       | 1    | 144570-07 | 2    | 144570-08 |
|           | 1    | 144570-05 |      |           |
| 460       | 1    | 144570-07 | 2    | 144570-08 |
|           | 1    | 144570-05 |      |           |
| 575       | 1    | 144570-06 | 1    | 144570-07 |
|           | 1    | 144570-05 | 1    | 144570-05 |

| ITEM 24/22 |  | REDUCED VOLTAGE STARTER |  |
|------------|--|-------------------------|--|
|------------|--|-------------------------|--|

| VOLTAGE | QTY. | 50 HP     | 60 HP     |
|---------|------|-----------|-----------|
| 200     | 1    | 146554-14 | 146554-14 |
| 230     | 1    | 146554-14 | 146554-14 |
| 380     | 1    | 146554-12 | 146554-12 |
| 415     | 1    | 146554-12 | 146554-12 |
| 460     | 1    | 146554-11 | 146554-12 |
| 575     | 1    | 146554-25 | 146554-26 |

## Electrical Control & Starting (all control types)

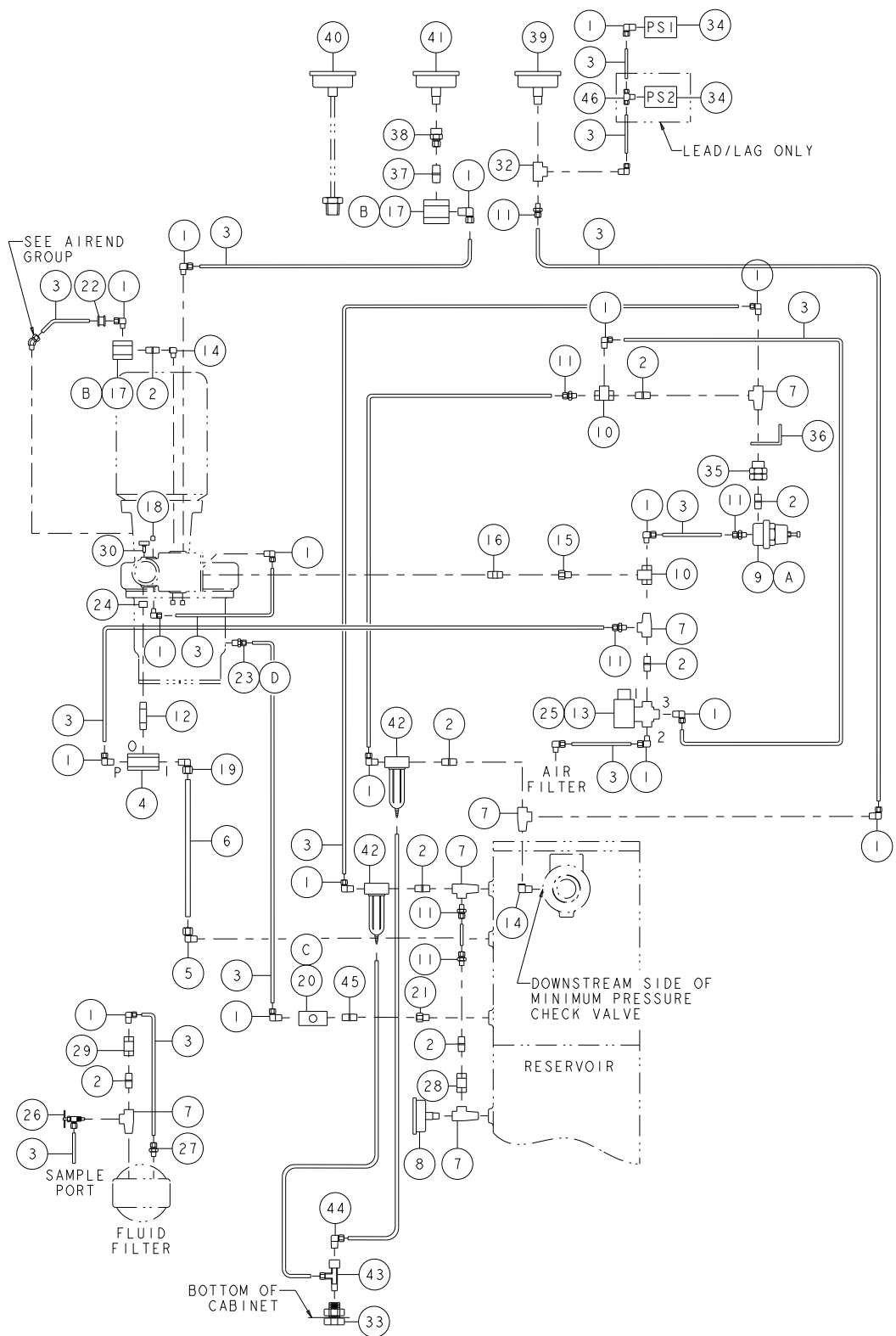
| ITEM 25/23 |      | DRIVE MOTOR/STARTER OVERLOAD RELAY |           |           |           |                 |           |
|------------|------|------------------------------------|-----------|-----------|-----------|-----------------|-----------|
| VOLTAGE    | QTY. | FULL VOLTAGE                       |           | WYE-DELTA |           | REDUCED VOLTAGE |           |
|            |      | 50 HP                              | 60 HP     | 50 HP     | 60 HP     | 50 HP           | 60 HP     |
| 200        | 1    | 143780-01                          | 143780-01 | 143780-07 | 143780-07 | N/A             | N/A       |
| 230        | 1    | 143780-01                          | 143780-01 | 143780-06 | 143780-07 | N/A             | N/A       |
| 380        | 1    | 143780-06                          | 143780-07 | 143780-05 | 143780-05 | N/A             | N/A       |
| 415        | 1    | 143780-06                          | 143780-07 | 143780-05 | 143780-05 | N/A             | N/A       |
| 460        | 1    | 143780-06                          | 143780-06 | 143780-04 | 143780-05 | 143780-06       | 143780-06 |
| 575        | 1    | 143780-05                          | 143780-06 | 143780-04 | 143780-04 | 143780-05       | 143780-06 |

| ITEM 28/26 |      | FAN MOTOR OVERLOAD RELAY |  |
|------------|------|--------------------------|--|
| VOLTAGE    | QTY. |                          |  |
| 200        | 1    | 143780-13                |  |
| 230        | 1    | 143780-13                |  |
| 380        | 1    | 143780-13                |  |
| 415        | 1    | 143780-13                |  |
| 460        | 1    | 143780-12                |  |
| 575        | 1    | 143780-12                |  |

| ITEM 30/28 |      | FAN MOTOR FUSES |  |
|------------|------|-----------------|--|
| VOLTAGE    | QTY. |                 |  |
| 200        | 3    | 128857-023      |  |
| 230        | 3    | 128857-022      |  |
| 380        | 3    | 128857-018      |  |
| 415        | 3    | 128857-008      |  |
| 460        | 3    | 128857-017      |  |
| 575        | 3    | 128857-016      |  |

| PHASE MONITOR FUSES (OPTIONAL) |      |            |  |
|--------------------------------|------|------------|--|
| VOLTAGE                        | QTY. |            |  |
| 200                            | 3    | 128857-023 |  |
| 230                            | 3    | 128857-022 |  |
| 380                            | 3    | 128857-018 |  |
| 415                            | 3    | 128857-008 |  |
| 460                            | 3    | 128857-017 |  |
| 575                            | 3    | 128857-016 |  |

# Control Piping (standard PLC control) - 147245-001/-003



## Control Piping (standard PLC control) - 147245-001/-003

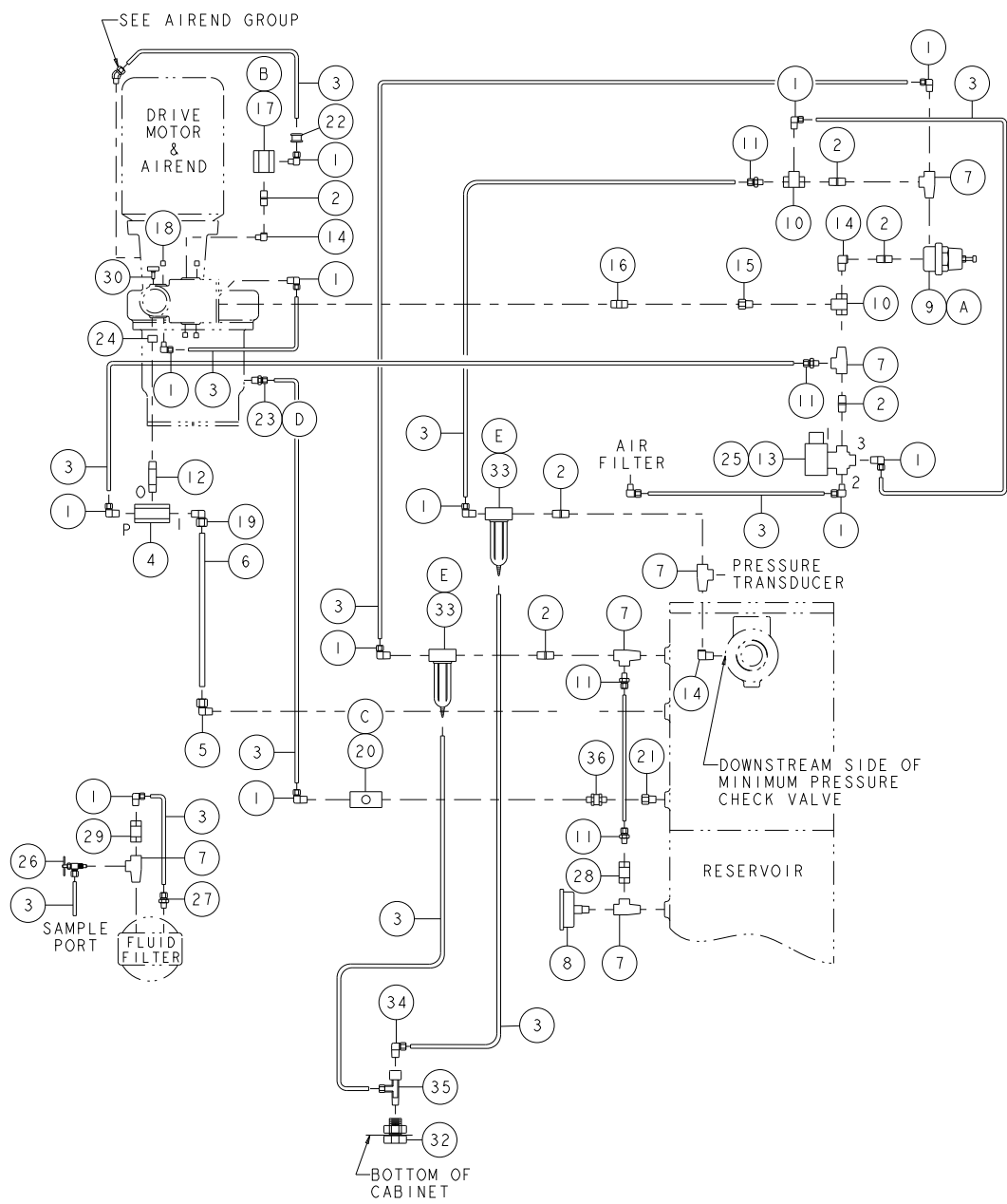
| ITEM No. | QTY. | PART NUMBER | DESCRIPTION                                          |
|----------|------|-------------|------------------------------------------------------|
| 1        | 17   | 124349-005  | 90° MALE ELBOW-0.25 TUBE X 0.25 NPT                  |
| 2        | 7    | 142125-1    | EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE           |
| 3        | 30   | 140620-003  | BLACK NYLON TUBING-0.25 O.D.                         |
| 4        | 1    | 128826      | BLOWDOWN VALVE                                       |
| 5        | 1    | 124349-012  | 90° MALE ELBOW-0.38 TUBE X 0.50 NPT                  |
| 6        | 5    | 140620-004  | BLACK NYLON TUBING-0.38 O.D.                         |
| 7        | 6    | 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    | 147239-025  | SHUTTLE VALVE-0.25 NPT                               |
| 11       | 5    | 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-0.25 TUBE X 0.25 NPT                |
| 16       | 1    | 123166-04   | MALE CONNECTOR-0.25 TUBE X 0.25 NPT                  |
| 17       | 2    | 122056      | CHECK VALVE                                          |
| 18       | 4    | 2719        | PIPE PLUG-HEX SOCKET, 0.25 NPT                       |
| 19       | 1    | 124349-010  | 90° MALE ELBOW-0.38 TUBE X 0.25 NPT                  |
| 20       | 1    | 140508      | SIGHTGLASS (O-RING)                                  |
| 21       | 1    | 125025      | LINE FILTER ORIFICE (Ø0.040)                         |
| 22       | 1    | 140317      | RUBBER GROMMET                                       |
| 23       | 1    | 128885-003  | MALE CONNECTOR-0.25 TUBE X 7/16-20 (O-RING)          |
| 24       | 1    | 121033-2    | PIPE BUSHING-BRASS, 0.38 NPT X 0.25 NPT              |
| 25       | 1    | 146296      | CABLE ASSEMBLY-5 METER                               |
| 26       | 1    | 142947      | FLUID SAMPLE VALVE                                   |
| 27       | 1    | 124393-004  | MALE CONNECTOR-0.25 TUBE X 0.12 NPT                  |
| 28       | 1    | 146768-10   | DIFFERENTIAL PRESSURE SWITCH (10#)                   |
| 29       | 1    | 146768-19   | DIFFERENTIAL PRESSURE SWITCH (19#)                   |
| 30       | 1    | 146770      | VACUUM SWITCH                                        |
| 31       | 2    | 146296-2    | CABLE ASSEMBLY-5 METER                               |
| 32       | 1    | 121034-2    | PIPE TEE-BRASS, 0.25 NPT                             |
| 33       | 1    | 129203-001  | BULKHEAD COUPLING-BRASS, 0.12 NPT                    |
| 34*      | 1    | 22454-1     | PRESSURE SWITCH (70-125#)                            |
|          | 1    | 8698-011    | PRESSURE SWITCH (150-210#)                           |
| 35       | 1    | 129203-003  | BULKHEAD COUPLING-BRASS, 0.25 NPT                    |
| 36       | 1    | 140533-1    | PIPING SUPPORT BRACKET                               |
| 37       | 1    | 142125-13   | EXTRA STRONG BRASS NIPPLE-0.12 NPT X CLOSE           |
| 38       | 1    | 125259-001  | PIPE COUPLING-BRASS, 0.12 X 0.12                     |
| 39       | 1    | 128662      | PRESSURE GAUGE (0-300#)                              |
| 40       | 1    | 128664-3    | TEMPERATURE GAUGE ASSEMBLY                           |
| 41       | 1    | 128663      | PERCENT CAPACITY GAUGE                               |
| 42       | 2    | 129732      | AUTOMATIC LINE FILTER                                |
| 43       | 1    | 20201       | TEE-0.25 TUBE X 0.12 NPT X 0.12 NPT                  |
| 44       | 1    | 124349-004  | 90° MALE ELBOW-0.25 TUBE X 0.125 NPT                 |
| 45       | 1    | 147235-025  | IN-LINE CHECK VALVE, 200#                            |
| 46       | 1    | 124351-004  | MALE BRANCH TEE-0.25 TUBE X 0.25 NPT (LEAD/LAG ONLY) |

### COMPONENT MAINTENANCE PARTS

|   |   |            |                                                                      |
|---|---|------------|----------------------------------------------------------------------|
| A | 1 | 146175-100 | DIFFERENTIAL PILOT VALVE KIT<br>(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.                                               |
|   | 1 | 140406-904 | VITON O-RING-0.35 I.D.                                               |

\* QUANTITY OF TWO (2) ON UNITS WITH LEAD/LAG CONTROL OPTION.

# Control Piping (electronic control) - 146572-001



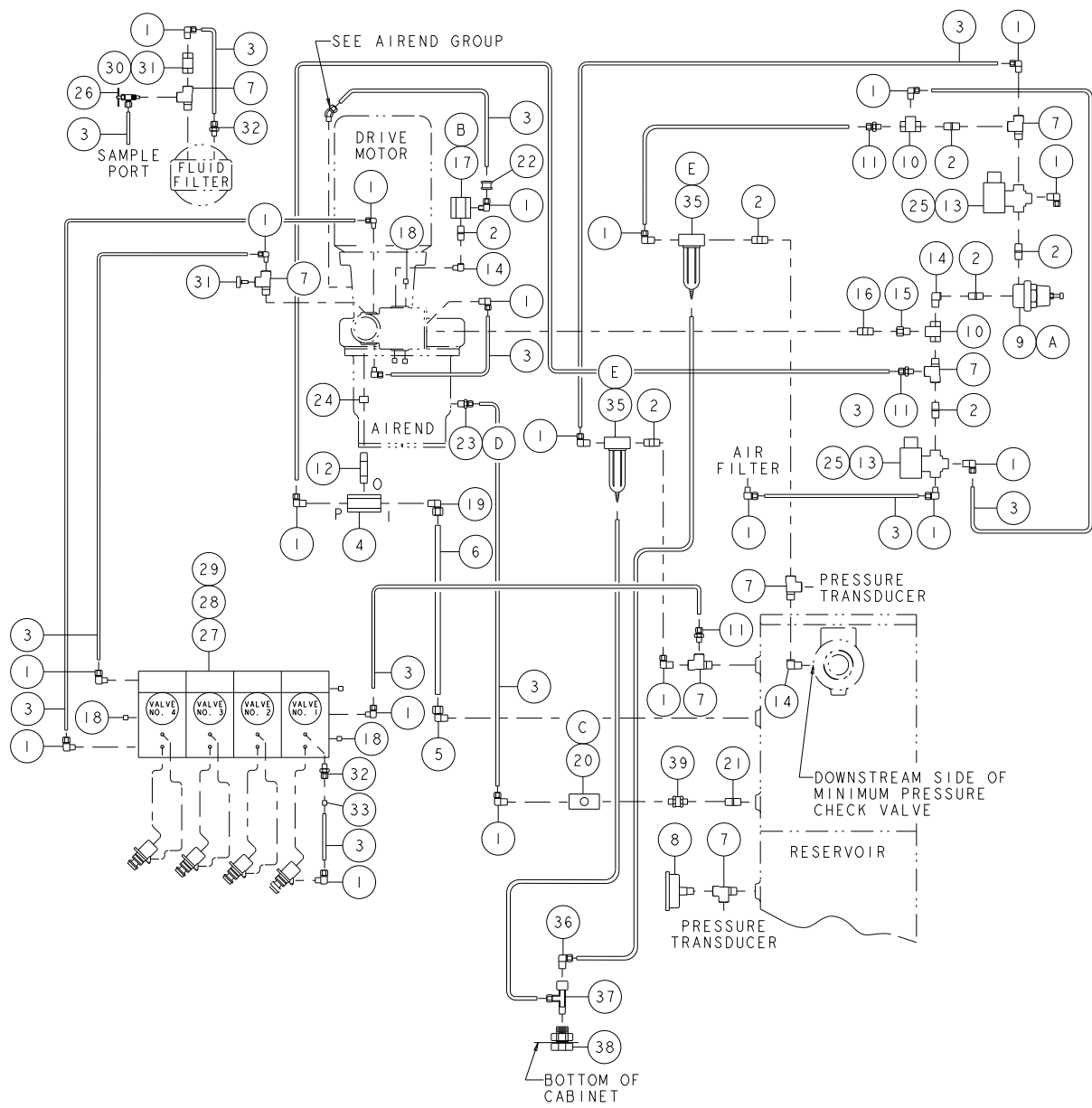
## Control Piping (electronic control) - 146572-001

| ITEM No. | QTY. | PART NUMBER | DESCRIPTION                                 |
|----------|------|-------------|---------------------------------------------|
| 1        | 11   | 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        | 16   | 140620-003  | BLACK NYLON TUBING-0.25 O.D.                |
| 4        | 1    | 128826      | BLOWDOWN VALVE                              |
| 5        | 1    | 124349-012  | 90° MALE ELBOW-0.38 TUBE X 0.50 NPT         |
| 6        | 5    | 140620-004  | BLACK NYLON TUBING-0.38 O.D.                |
| 7        | 6    | 7361        | PIPE TEE-BRASS, 0.25 NPT                    |
| 8        | 1    | 126345      | PRESSURE GAUGE-LIQUID FILLED (0-200#)       |
| 9        | 1    | 21969-2     | DIFFERENTIAL PILOT VALVE                    |
| 10       | 2    | 147239-025  | SHUTTLE VALVE-0.25 NPT                      |
| 11       | 4    | 124393-005  | MALE CONNECTOR-0.25 TUBE X 0.25 NPT         |
| 12       | 1    | 142125-18   | EXTRA STRONG BRASS NIPPLE-0.25 NPT X 2.00   |
| 13       | 1    | 120496-12   | SOLENOID VALVE-3-WAY                        |
| 14       | 3    | 122636      | PIPE ELBOW-BRASS, 0.25 NPT                  |
| 15       | 1    | 143742-001  | SWIVEL CONNECTOR-0.25 TUBE X 0.25 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    | 124349-010  | 90° MALE ELBOW-0.38 TUBE X 0.25 NPT         |
| 20       | 1    | 140508      | SIGHTGLASS (O-RING)                         |
| 21       | 1    | 125025      | LINE FILTER ORIFICE (Ø0.040)                |
| 22       | 1    | 140317      | RUBBER GROMMET                              |
| 23       | 1    | 128885-003  | MALE CONNECTOR-0.25 TUBE X 7/16-20 (O-RING) |
| 24       | 1    | 121033-2    | PIPE BUSHING-BRASS, 0.38 NPT X 0.25 NPT     |
| 25       | 1    | 146296      | CABLE ASSEMBLY-5 METER                      |
| 26       | 1    | 142947      | FLUID SAMPLE VALVE                          |
| 27       | 1    | 124393-004  | MALE CONNECTOR-0.25 TUBE X 0.12 NPT         |
| 28       | 1    | 146768-10   | DIFFERENTIAL PRESSURE SWITCH (10#)          |
| 29       | 1    | 146768-19   | DIFFERENTIAL PRESSURE SWITCH (19#)          |
| 30       | 1    | 146770      | VACUUM SWITCH                               |
| 31       | 2    | 146296-2    | CABLE ASSEMBLY-5 METER                      |
| 32       | 1    | 129203-001  | BULKHEAD COUPLING-BRASS, 0.12 NPT           |
| 33       | 2    | 129732      | AUTOMATIC LINE FILTER                       |
| 34       | 1    | 124349-004  | 90° MALE ELBOW-0.25 TUBE X 0.125 NPT        |
| 35       | 1    | 20201       | TEE-0.25 TUBE X 0.12 NPT X 0.12 NPT         |
| 36       | 1    | 147235-025  | IN-LINE CHECK VALVE, 200#                   |

### COMPONENT MAINTENANCE PARTS

|   |   |            |                                                                      |
|---|---|------------|----------------------------------------------------------------------|
| A | 1 | 146175-100 | DIFFERENTIAL PILOT VALVE KIT<br>(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.                                               |
| E | 2 | 129732-051 | LINE FILTER KIT (INCLUDES BOWL SEAL, FILTER ELEMENT, GASKET)         |

# Control Piping (Power\$ync control) - 146573-001



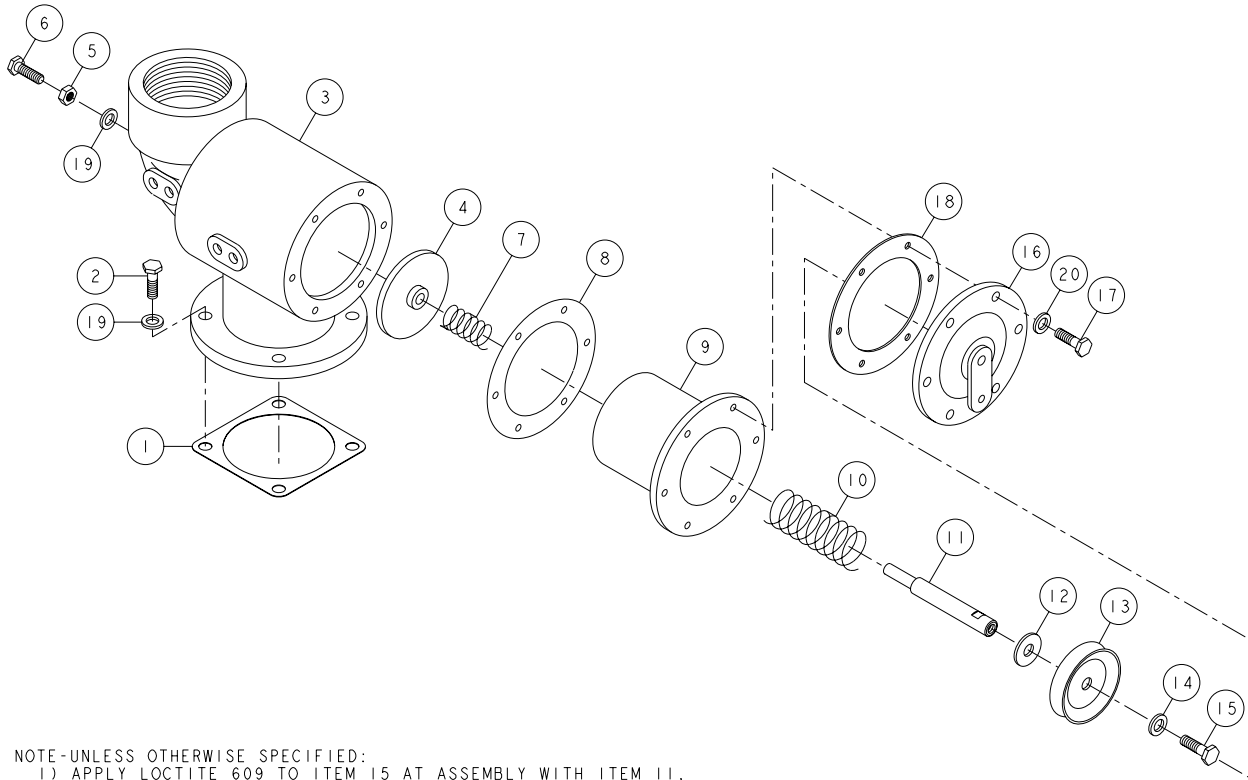
## Control Piping (Power\$ync control) - 146573-001

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                 |
|----------|------|-------------|---------------------------------------------|
| 1        | 24   | 124349-005  | 90° MALE ELBOW-0.25 TUBE X 0.25 NPT         |
| 2        | 7    | 142125-1    | EXTRA STRONG BRASS NIPPLE-0.25 NPT X CLOSE  |
| 3        | 32   | 140620-003  | BLACK NYLON TUBING-0.25 O.D.                |
| 4        | 1    | 128826      | BLOWDOWN VALVE                              |
| 5        | 1    | 124349-012  | 90° MALE ELBOW-0.38 TUBE X 0.50 NPT         |
| 6        | 5    | 140620-004  | BLACK NYLON TUBING-0.38 O.D.                |
| 7        | 7    | 7361        | PIPE TEE-BRASS, 0.25 NPT                    |
| 8        | 1    | 126345      | PRESSURE GAUGE-LIQUID FILLED (0-200#)       |
| 9        | 1    | 21969-2     | DIFFERENTIAL PILOT VALVE                    |
| 10       | 2    | 147239-025  | SHUTTLE VALVE-0.25 NPT                      |
| 11       | 3    | 124393-005  | MALE CONNECTOR-0.25 TUBE X 0.25 NPT         |
| 12       | 1    | 142125-18   | EXTRA STRONG BRASS NIPPLE-0.25 NPT X 2.00   |
| 13       | 2    | 120496-12   | SOLENOID VALVE-3-WAY                        |
| 14       | 3    | 122636      | PIPE ELBOW-BRASS, 0.25 NPT                  |
| 15       | 1    | 143742-001  | SWIVEL CONNECTOR-0.25 TUBE X 0.25 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    | 124349-010  | 90° MALE ELBOW-0.38 TUBE X 0.25 NPT         |
| 20       | 1    | 140508      | SIGHTGLASS (O-RING)                         |
| 21       | 1    | 125025      | LINE FILTER ORIFICE (Ø0.040)                |
| 22       | 1    | 140317      | RUBBER GROMMET                              |
| 23       | 1    | 128885-003  | MALE CONNECTOR-0.25 TUBE X 7/16-20 (O-RING) |
| 24       | 1    | 121033-2    | PIPE BUSHING-BRASS, 0.38 NPT X 0.25 NPT     |
| 25       | 2    | 146296      | CABLE ASSEMBLY-5 METER                      |
| 26       | 1    | 142947      | FLUID SAMPLE VALVE                          |
| 27       | 1    | 142094-1    | SOLENOID BANK-4-VALVE                       |
| 28       | 1    | 142095-04   | CABLE ASSEMBLY-5 METER                      |
| 29       | 1    | 146725      | BRACKET                                     |
| 30       | 1    | 146296-2    | CABLE ASSEMBLY-5 METER                      |
| 31       | 1    | 146770      | VACUUM SWITCH                               |
| 32       | 9    | 124393-004  | MALE CONNECTOR-0.25 TUBE X 0.12 NPT         |
| 33       | 8    | 5784-2      | PLUG ORIFICE-0.062                          |
| 34       | 1    | 146768-19   | DIFFERENTIAL PRESSURE SWITCH (19#)          |
| 35       | 2    | 129732      | AUTOMATIC LINE FILTER                       |
| 36       | 1    | 124349-004  | 90° MALE ELBOW-0.25 TUBE X 0.125 NPT        |
| 37       | 1    | 20201       | TEE-0.25 TUBE X 0.12 NPT X 0.12 NPT         |
| 38       | 1    | 129203-001  | BULKHEAD COUPLING-BRASS, 0.12 NPT           |
| 39       | 1    | 147235-025  | IN-LINE CHECK VALVE, 200#                   |

### COMPONENT MAINTENANCE PARTS

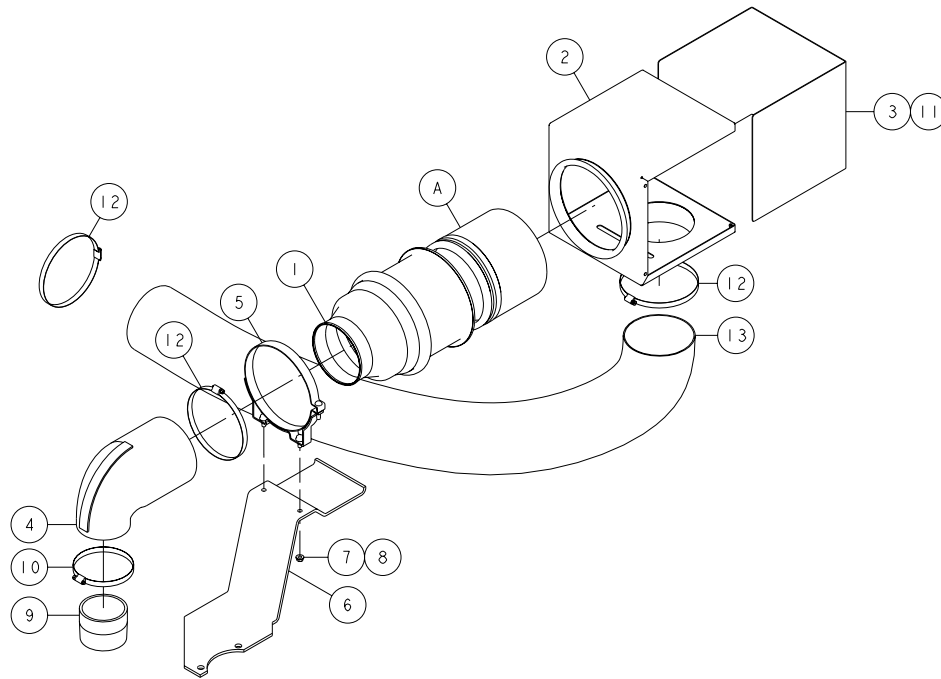
|   |   |            |                                                                      |
|---|---|------------|----------------------------------------------------------------------|
| A | 1 | 146175-100 | DIFFERENTIAL PILOT VALVE KIT<br>(INCLUDES DIAPHRAGM ASSEMBLY & SEAT) |
| B | 4 | 123157-008 | 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.                                               |
| E | 2 | 129732-051 | LINE FILTER KIT (INCLUDES BOWL SEAL, FILTER ELEMENT, GASKET)         |

# Inlet Valve - 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<br>(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).



NOTES-UNLESS OTHERWISE SPECIFIED:

1) UNITS LESS CABINET: QUANTITY OF ITEM 12 BECOMES 1, ITEM 13 NOT USED.

| ITEM NO. | QTY.   | PART NUMBER  | DESCRIPTION                                            |
|----------|--------|--------------|--------------------------------------------------------|
| 1        | 1      | 146396-08    | AIR FILTER                                             |
| 2        | 1      | 146651-002   | INLET FILTER PANEL ASSEMBLY                            |
| 3        | 1      | 146651-01    | INLET FILTER PANEL                                     |
| 4        | 1      | 122934       | RUBBER ELBOW-5.50 X 4.00 X 90°                         |
| 5        | 1      | 123352-009   | AIR FILTER MOUNTING BAND                               |
| 6        | 1      | 146663       | AIR FILTER SUPPORT                                     |
| 7        | 2      | 141631-K10   | CAP SCREW-5/16-18 UNC X 0.75,<br>GRADE 5 (@ 23 FT-LBS) |
| 8        | 2      | 112272-K02   | SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC                 |
| 9        | 1      | 147676350300 | PIPE NIPPLE-3.50 NPT X 3.00, TOE, ANODIZED ALUMINUM    |
| 10       | 1      | 110423-072   | HOSE CLAMP                                             |
| 11       | 12     | 110511-J07   | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50                 |
| 12*      | 3      | 110423-096   | HOSE CLAMP                                             |
| 13**     | 4.0 FT | 123419       | FLEXIBLE AIR INTAKE HOSE - 6.00 I.D.                   |

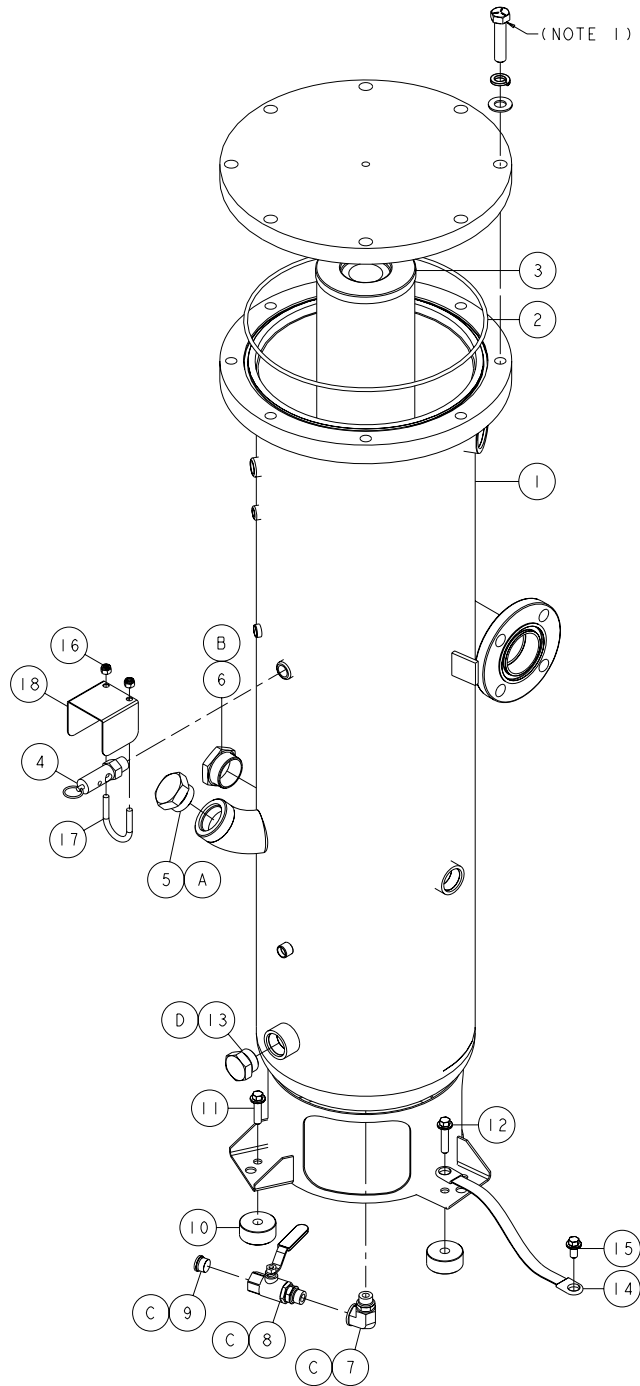
#### COMPONENT MAINTENANCE PARTS

|   |   |           |                    |
|---|---|-----------|--------------------|
| A | 1 | 146397-08 | AIR FILTER ELEMENT |
|---|---|-----------|--------------------|

\* ITEM 12: QUANTITY OF ONE (1) ON UNITS LESS CABINET.

\*\* ITEM 13: NOT USED ON UNITS LESS CABINET.

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



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) ITEM 19 (FLUID DRAIN ASSEMBLY) IS NOT SHOWN AND SHIPPED LOOSE.

| ITEM NO.  | QTY.   | PART NUMBER | DESCRIPTION                                 |
|-----------|--------|-------------|---------------------------------------------|
| 1         | 1      | 146445-175  | AIR/FLUID RESERVOIR                         |
| 2         | 1      | 22749-382   | VITON O-RING-13.00 I.D.                     |
| 3         | 1      | 144606-01   | AIR/FLUID SEPARATOR                         |
| 4         | 1      | 143556-175  | PRESSURE RELIEF VALVE                       |
| 5         | 1      | 129844-162  | FILLER CAP (O-RING)                         |
| 6         | 1      | 129843-188  | SIGHTGLASS (O-RING)                         |
| 7         | 1      | 143355-003  | ELBOW-0.50 TUBE X 3/4-16 (O-RING)           |
| 8         | 1      | 129730-050  | QUARTER TURN VALVE (O-RING)                 |
| 9         | 1      | 128883-075  | PIPE PLUG-3/4-16 (O-RING)                   |
| 10        | 3      | 129059-9    | MOTOR SPACER                                |
| 11        | 2      | 14654410035 | LOCK SCREW-ZINC, 10 MM X 35 MM              |
| 12        | 1      | 14654410040 | LOCK SCREW-ZINC, 10 MM X 40 MM              |
| 13        | 1      | 129770-131  | PIPE PLUG-1-5/16-12 (O-RING)                |
| 14        | 1      | 8215-002    | GROUND STRAP                                |
| 15        | 1      | 14654410020 | LOCK SCREW-ZINC, 10 MM X 20 MM              |
| 16        | 2      | 142835-K02  | LOCKNUT-ZINC PLATED, 5/16-18 UNC            |
| 17        | 1      | 122560-08   | U-BOLT, 5/16-18 UNC, ZINC, 1.50 I.D. X 2.19 |
| 18        | 1      | 147218      | PRESSURE RELIEF VALVE COVER                 |
| 19**      | 1      | 140407-001  | FLUID DRAIN ASSEMBLY                        |
| CONTAINS: |        |             |                                             |
|           | 3.0 FT | 129164-500  | CLEAR VINYL TUBING-0.50 I.D.                |
|           | 1      | 128176-015  | HOSE CLAMP                                  |
|           | 1      | 129048-009  | ADAPTER-0.50 TUBE X 3/4-16 (O-RING)         |
|           | 1      | 140405-004  | BARBED HOSE FITTING-0.50 HOSE X 3/4-16 NPT  |

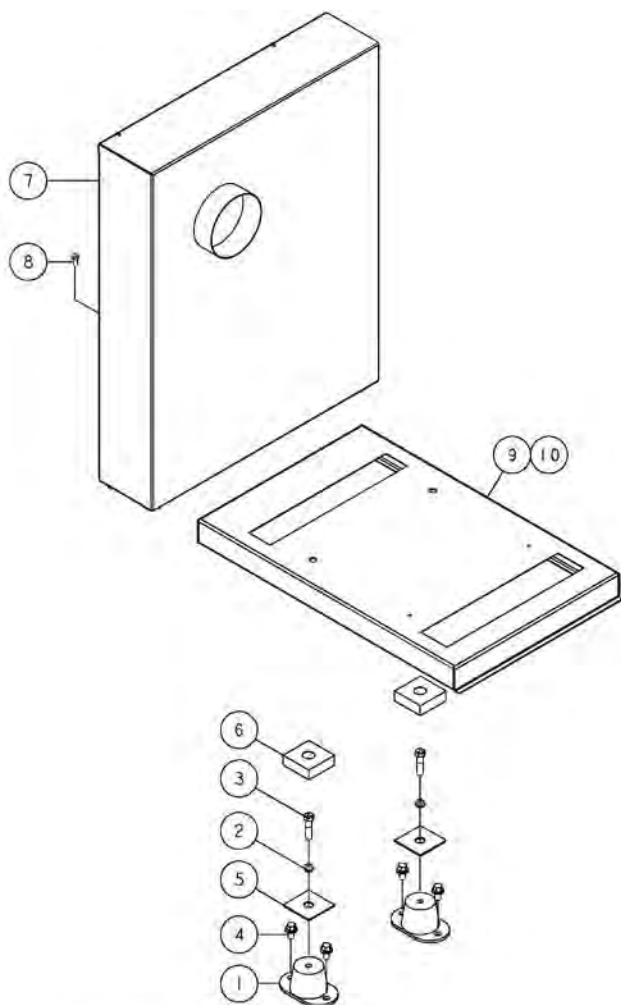
COMPONENT MAINTENANCE PARTS

|   |   |            |                        |
|---|---|------------|------------------------|
| A | 1 | 140406-920 | VITON O-RING-1.48 I.D. |
| B | 1 | 140406-924 | VITON O-RING-1.72 I.D. |
| C | 4 | 140406-908 | VITON O-RING-0.64 I.D. |
| D | 1 | 140406-916 | VITON O-RING-1.17 I.D. |

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

\*\* ITEM 19 (FLUID DRAIN ASSEMBLY) IS NOT SHOWN AND SHIPPED LOOSE.

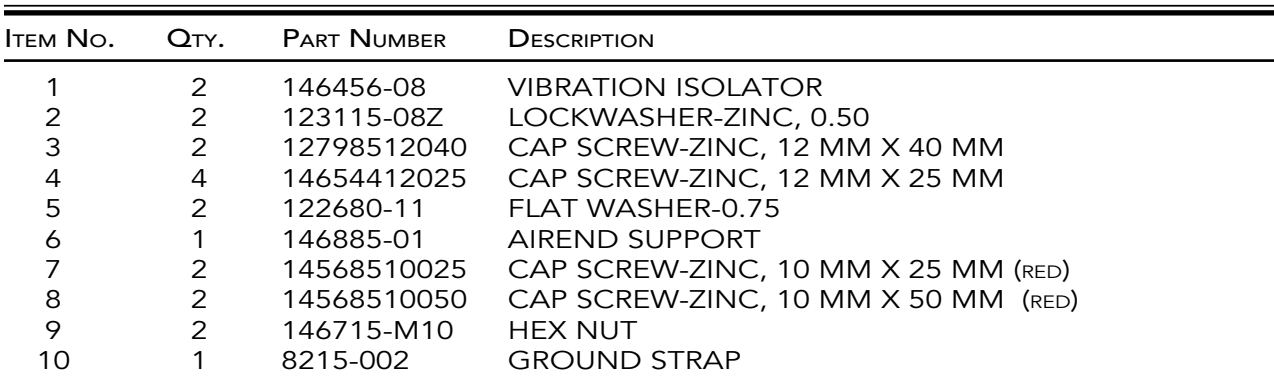
Motor Mounting - 140002-005 thru -010



NOTES UNLESS OTHERWISE SPECIFIED:  
1) RISER BLOCK (ITEM 6) USED WITH 50 HP MOTORS ONLY.  
2) AIR DAM PANEL & MOTOR PAN (ITEMS 7 THRU 10) USED ONLY ON UNITS W/CABINET.  
3) MOTOR PAN & SEAL (ITEMS 9 & 10) USED ONLY WITH ODP TYPE MOTORS.

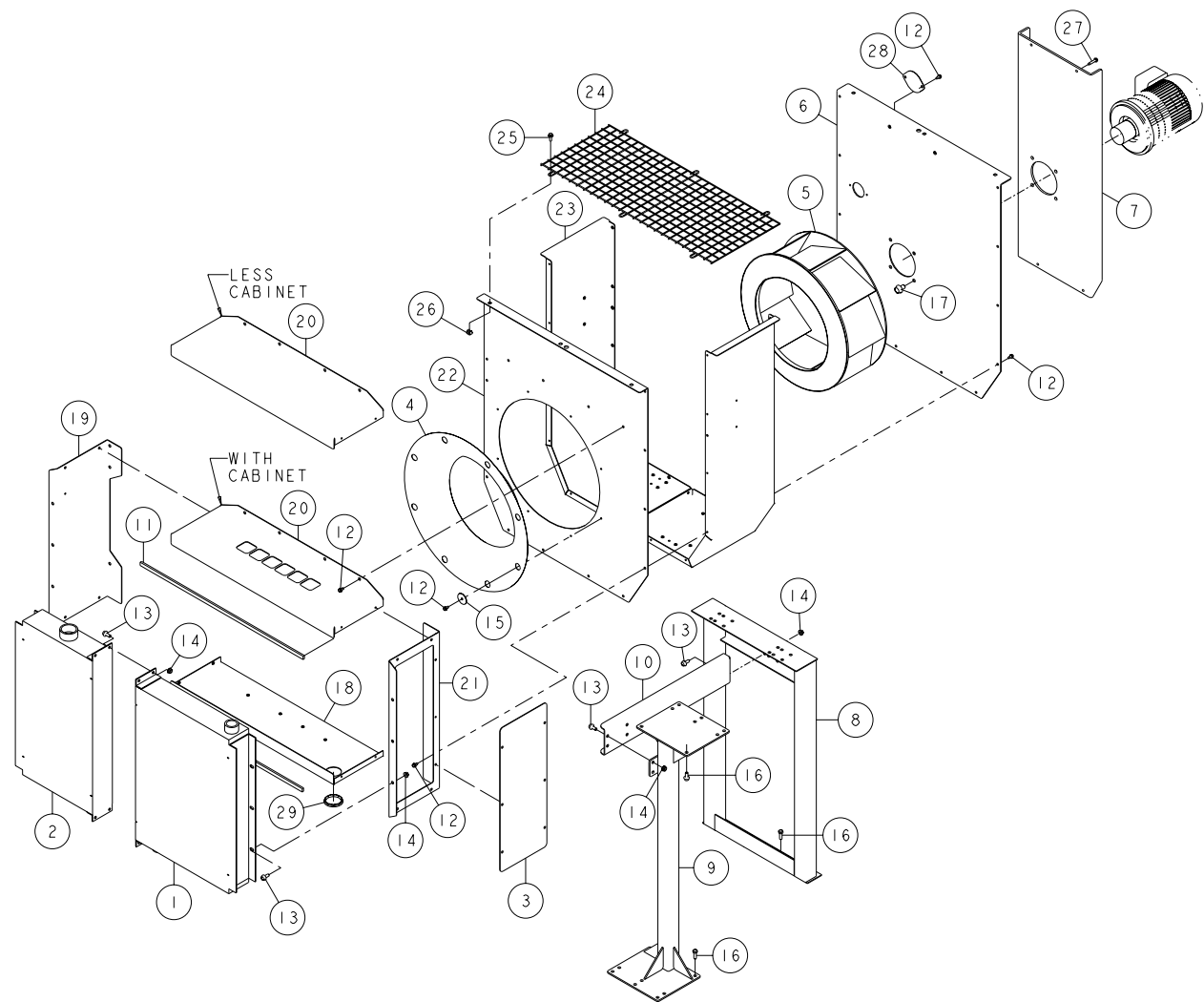
| ITEM No. | QTY.    | PART NUMBER | DESCRIPTION                         |
|----------|---------|-------------|-------------------------------------|
| 1        | 2       | 146456-08   | VIBRATION ISOLATOR                  |
| 2        | 2       | 123115-08Z  | LOCKWASHER-ZINC, 0.50               |
| 3        | 2       | 12798512065 | CAP SCREW-ZINC, 12MM X 65MM (50 HP) |
|          | 2       | 12798512040 | CAP SCREW-ZINC, 12MM X 40MM (60 HP) |
| 4        | 4       | 14654412025 | CAP SCREW-ZINC, 12MM X 25MM         |
| 5        | 2       | 122680-11   | FLAT WASHER-0.75                    |
| 6*       | 2       | 120103      | RISER BLOCK                         |
| 7*       | 1       | 146667-2    | AIR DAM PANEL (ODP)                 |
|          | 1       | 146667      | AIR DAM PANEL (TEFC)                |
| 8*       | 5       | 12798508016 | CAP SCREW-ZINC, 8MM X 16MM          |
| 9*       | 1       | 146693-03   | MOTOR PAN PANEL (50 HP)             |
|          | 1       | 146693-02   | MOTOR PAN PANEL (60 HP)             |
| 10*      | 6.75 FT | 141528      | RUBBER SEAL                         |

\* SEE DRAWING NOTES FOR USAGE SPECIFICATIONS.



Quincy Compressor® - QSI 245i/300i 37

Cooler (air-cooled) - 147387-001/-002

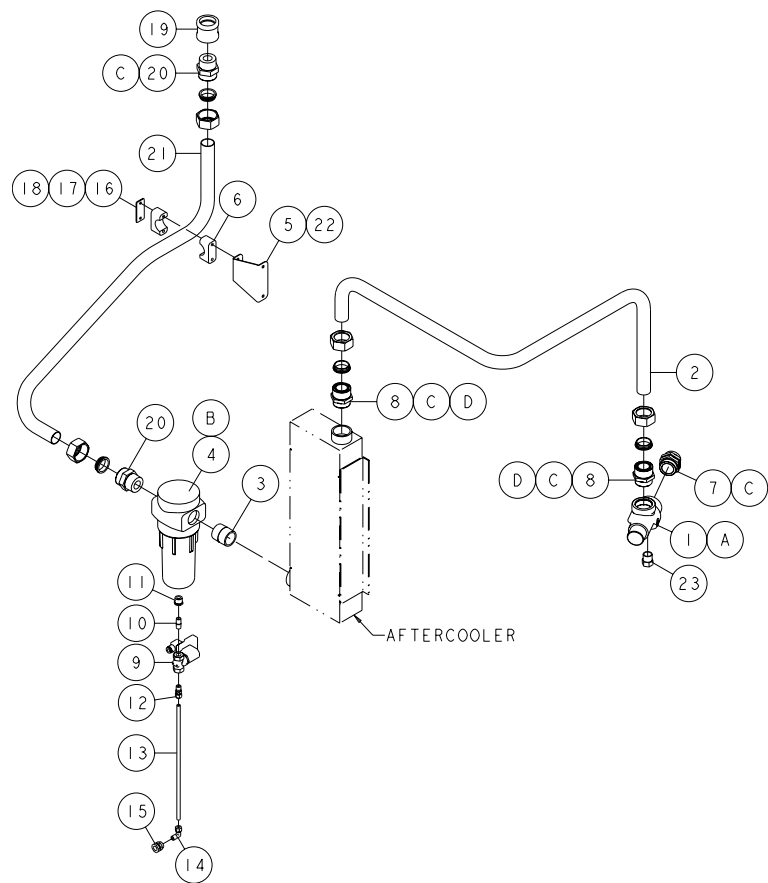


## Cooler (air-cooled) - 147387-001/-002

| ITEM NO. | QTY.   | PART NUMBER | DESCRIPTION                                               |
|----------|--------|-------------|-----------------------------------------------------------|
| 1        | 1      | 147249-01   | FLUID COOLER                                              |
| 2        | 1      | 147249-02   | AFTERCOOLER                                               |
| 3        | 1      | 146703-05   | ACCESS PANEL-COOLER SHROUD                                |
| 4        | 1      | 146447-01   | FAN CONE                                                  |
| 5        | 1      | 147260-01   | FAN WHEEL-18"                                             |
| 6        | 1      | 147279-01   | FAN MOTOR SHROUD PANEL                                    |
| 7        | 1      | 147279-02   | FAN MOTOR SHROUD PANEL STIFFENER                          |
| 8        | 1      | 146670-01   | COOLER SUPPORT ASSEMBLY                                   |
| 9        | 1      | 146676-03   | COOLER SUPPORT ASSEMBLY                                   |
| 10       | 1      | 146680-01   | COOLER BRACE                                              |
| 11       | 4.8 FT | 141528      | RUBBER SEAL                                               |
| 12       | 50     | 110511-J07  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50                    |
| 13       | 16     | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75,<br>GRADE 5 (@ 23 FT-LBS)    |
| 14       | 16     | 112272-K02  | SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC                    |
| 15       | 8      | 129303L025  | FENDER WASHER                                             |
| 16       | 18     | 12798508025 | CAP SCREW-ZINC, 8 MM X 25 MM                              |
| 17       | 4      | 141631-N12  | CAP SCREW-1/2-13 UNC X 1.00, GRADE 5 (@ 23 FT-LBS)        |
| 18       | 1      | 147279-07   | COOLER SHROUD BOTTOM PANEL                                |
| 19       | 1      | 147279-05   | COOLER SHROUD END PANEL                                   |
| 20       | 1      | 147279-06   | COOLER SHROUD TOP PANEL (LESS CABINET)                    |
|          | 1      | 147279-08   | COOLER SHROUD TOP PANEL (WITH CABINET)                    |
| 21       | 1      | 147279-09   | COOLER SHROUD SIDE PANEL                                  |
| 22       | 1      | 147279-03   | VENTURI FAN SHROUD PANEL                                  |
| 23       | 2      | 146713-02   | SIDE PANEL-COOLER SHROUD                                  |
| 24       | 1      | 146781-1    | FAN GUARD                                                 |
| 25       | 6      | 122151      | HEX HEAD SCREW-1/4-20 UNC X 0.63,<br>GRADE 5 (@ 6 FT-LBS) |
| 26       | 6      | 22456Z      | SPEED NUT-GRIP, ZINC, 1/4-20 UNC                          |
| 27       | 4      | 110511-J12  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 1.00                    |
| 28       | 1      | 147059      | FAN HOUSING COVER PLATE                                   |
| 29       | 1      | 40825-051   | BLANK FITTING-1.50"                                       |

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

# Air Piping (air-cooled, less dryer) - 146464-001



## Air Piping (air-cooled, less dryer) - 146464-001

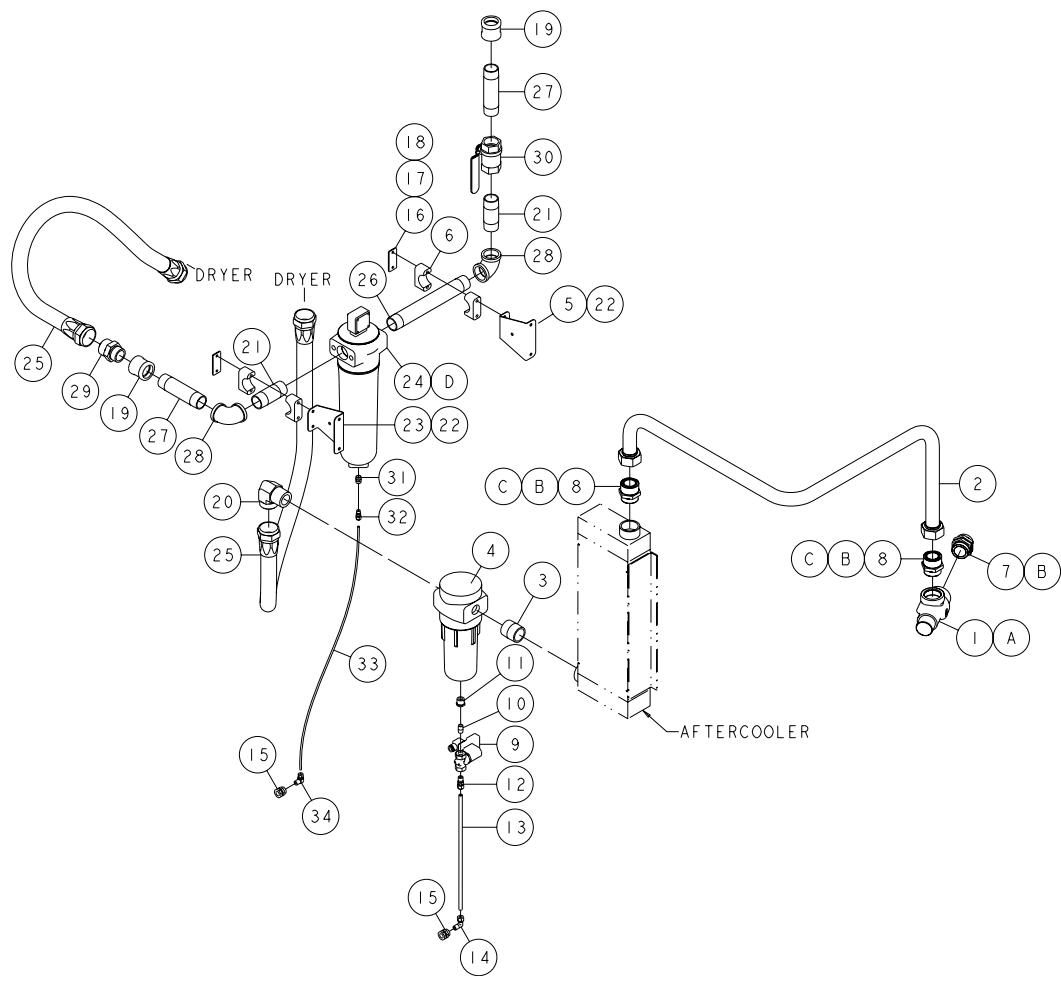
| ITEM NO. | QTY.   | PART NUMBER | DESCRIPTION                                                |
|----------|--------|-------------|------------------------------------------------------------|
| 1        | 1      | 128691-009  | MINIMUM PRESSURE CHECK VALVE                               |
| 2        | 1      | 146694-11   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.50 O.D.                |
| 3        | 1      | 142879-010  | PIPE NIPPLE-STAINLESS STEEL, 1.50 NPT X 2.00               |
| 4        | 1      | 145999-150  | MOISTURE SEPARATOR                                         |
| 5        | 1      | 146736-02   | AIR PIPING BRACKET                                         |
| 6        | 2      | 141822-381  | TUBE CLAMP-1.50 I.D.                                       |
| 7        | 1      | 128884-188  | UNION-1-7/8-12 (O-RING)                                    |
| 8        | 2      | 140682-026  | CONNECTOR-1.50 TUBE X 1-7/8-12 (O-RING)                    |
| 9        | 1      | 115698-125  | DRAIN VALVE                                                |
| 10       | 1      | 142125-2    | EXTRA STRONG BRASS NIPPLE-0.25 NPT X 1.25                  |
| 11       | 1      | 121033-5    | PIPE BUSHING-BRASS, 0.50 NPT X 0.25 NPT                    |
| 12       | 1      | 124393-012  | MALE CONNECTOR-0.38 TUBE X 0.25 NPT                        |
| 13       | 5.0 FT | 124435-004  | NYLON TUBING-0.38 O.D.                                     |
| 14       | 1      | 124349-010  | 90° MALE ELBOW-0.38 TUBE X 0.25 NPT                        |
| 15       | 1      | 129203-003  | BULKHEAD COUPLING                                          |
| 16       | 1      | 141827-05   | TUBE CLAMP COVER PLATE-1.38 I.D.                           |
| 17       | 2      | 142578-J21  | CAP SCREW-ZINC, 1/4-20 UNC X 3.00,<br>GRADE 5 (@ 6 FT-LBS) |
| 18       | 2      | 112272-J02  | SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC                      |
| 19       | 1      | 23887       | PIPE COUPLING-GALVANIZED, 1.50 NPT                         |
| 20       | 2      | 140681-018  | CONNECTOR-1.50 NPTF X 1.50 TUBE (O-RING)                   |
| 21       | 1      | 146694-03   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.50 O.D.                |
| 22       | 2      | 110511-J10  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.75                     |
| 23       | 1      | 142939      | PIPE BUSHING-BRASS, 0.50 NPT X 0.75 NPT                    |

### COMPONENT MAINTENANCE PARTS

|   |   |            |                                  |
|---|---|------------|----------------------------------|
| A | 1 | 128691-051 | MINIMUM PRESSURE CHECK VALVE KIT |
| B | 4 | 140406-924 | VITON O-RING-1.72 I.D.           |
| C | 4 | 140675-008 | VITON O-RING/FACE SEAL-1.49 I.D. |

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

# Air Piping (air-cooled, with dryer) - 146464-002



## Air Piping (air-cooled, with dryer) - 146464-002

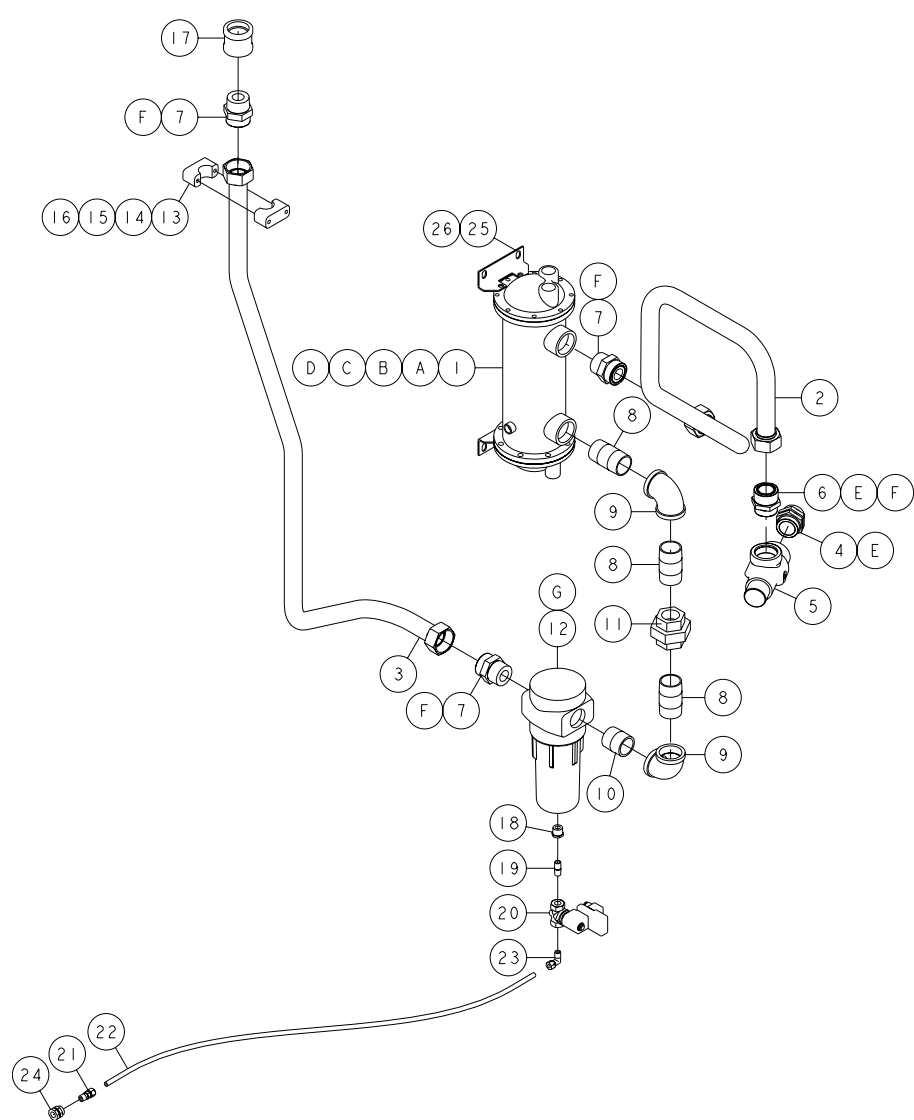
| ITEM NO. | QTY.   | PART NUMBER | DESCRIPTION                                                |
|----------|--------|-------------|------------------------------------------------------------|
| 1        | 1      | 128691-009  | MINIMUM PRESSURE CHECK VALVE                               |
| 2        | 1      | 146694-11   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.50 O.D.                |
| 3        | 1      | 142879-010  | PIPE NIPPLE-STAINLESS STEEL, 1.50 NPT X 2.00               |
| 4        | 1      | 145999-150  | MOISTURE SEPARATOR                                         |
| 5        | 1      | 146736-02   | AIR PIPING BRACKET                                         |
| 6        | 4      | 141822-422  | TUBE CLAMP-1.66 I.D.                                       |
| 7        | 1      | 128884-188  | UNION-1-7/8-12 (O-RING)                                    |
| 8        | 2      | 140682-026  | CONNECTOR-1.50 TUBE X 1-7/8-12 (O-RING)                    |
| 9        | 1      | 115698-125  | DRAIN VALVE                                                |
| 10       | 1      | 142125-2    | EXTRA STRONG BRASS NIPPLE-0.25 NPT X 1.25                  |
| 11       | 1      | 121033-5    | PIPE BUSHING-BRASS, 0.50 NPT X 0.25 NPT                    |
| 12       | 1      | 124393-012  | MALE CONNECTOR-0.38 TUBE X 0.25 NPT                        |
| 13       | 5.0 FT | 124435-004  | NYLON TUBING-0.38 O. D.                                    |
| 14       | 1      | 124349-010  | 90° MALE ELBOW-0.38 TUBE X 0.25 NPT                        |
| 15       | 2      | 129203-003  | BULKHEAD COUPLING                                          |
| 16       | 2      | 141827-05   | TUBE CLAMP COVER PLATE-1.38 I.D.                           |
| 17       | 4      | 142578-J21  | CAP SCREW-ZINC, 1/4-20 UNC X 3.00,<br>GRADE 5 (@ 6 FT-LBS) |
| 18       | 4      | 112272-J02  | SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC                      |
| 19       | 2      | 124874-001  | PIPE COUPLING-GALVANIZED, 1.25 NPT                         |
| 20       | 1      | 123167-25   | 90° MALE ELBOW-1.50 TUBE X 1.50 NPT                        |
| 21       | 2      | 126021-026  | PIPE NIPPLE-GALVANIZED, 1.25 NPT X 4.00                    |
| 22       | 4      | 110511-J10  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.75                     |
| 23       | 1      | 146736-01   | AIR PIPING BRACKET                                         |
| 24       | 1      | CSNT00300   | COALESCING FILTER ASSEMBLY                                 |
| 25       | 2      | 141951-018  | HOSE ASSEMBLY-1.50 X 45.00 LONG                            |
| 26       | 1      | 126021-086  | PIPE NIPPLE-GALVANIZED, 1.25 NPT X 11.50                   |
| 27       | 2      | 126021-042  | PIPE NIPPLE-GALVANIZED, 1.25 NPT X 6.00                    |
| 28       | 2      | 23881       | PIPE ELBOW-GALVANIZED, 1.25 NPT                            |
| 29       | 1      | 123166-30   | MALE CONNECTOR-1.50 TUBE X 1.25 NPT                        |
| 30       | 1      | 110425-125  | QUARTER TURN VALVE                                         |
| 31       | 1      | 124393-004  | MALE CONNECTOR-0.25 TUBE X 0.125 NPT                       |
| 32       | 1      | 125259-001  | BRASS COUPLING-0.12 X 0.12                                 |
| 33       | 5.0 FT | 124435-003  | NYLON TUBING-0.25 O. D.                                    |
| 34       | 1      | 124349-005  | 90° MALE ELBOW-0.25 TUBE X 0.25 NPT                        |
| 35       | 1      | 142939      | PIPE BUSHING-BRASS, 0.50 NPT X 0.75 NPT                    |

### COMPONENT MAINTENANCE PARTS

|   |   |            |                                  |
|---|---|------------|----------------------------------|
| A | 1 | 128691-051 | MINIMUM PRESSURE CHECK VALVE KIT |
| B | 4 | 140406-924 | VITON O-RING-1.72 I.D.           |
| C | 4 | 140675-008 | VITON O-RING/FACE SEAL-1.49 I.D. |
| D | 1 | CSNE00300  | FILTER ELEMENT                   |

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

# Air Piping (water-cooled, less dryer) - 146500-001/-003/-005



## Air Piping (water-cooled, less dryer) - 146500-001/-003/-005

| ITEM NO. | QTY.   | PART NUMBER | DESCRIPTION                                                |
|----------|--------|-------------|------------------------------------------------------------|
| 1        | 1      | 22709-2     | HEAT EXCHANGER-AFTERCOOLER                                 |
|          | 1      | 124061-001  | HEAT EXCHANGER-AFTERCOOLER (SEA WATER)                     |
|          | 1      | 127267-2    | HEAT EXCHANGER-AFTERCOOLER (STAINLESS STEEL)               |
| 2        | 1      | 146694-10   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.50 O.D.                |
| 3        | 1      | 146694-07   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.50 O.D.                |
| 4        | 1      | 128884-188  | UNION-1-7/8-12 (O-RING)                                    |
| 5        | 1      | 128691-009  | MINIMUM PRESSURE CHECK VALVE                               |
| 6        | 1      | 140682-026  | CONNECTOR-1.50 TUBE X 1-7/8-12 (O-RING)                    |
| 7        | 3      | 140681-018  | CONNECTOR-1.50 NPTF X 1.50 TUBE (O-RING)                   |
| 8        | 3      | 126022-020  | PIPE NIPPLE-1.50 NPT X 3.25                                |
| 9        | 2      | 21940       | PIPE ELBOW-1.50 NPT                                        |
| 10       | 1      | 126022-010  | PIPE NIPPLE-1.50 NPT X 2.00                                |
| 11       | 1      | 127289-021  | PIPE UNION-1.50 NPT                                        |
| 12       | 1      | 145999-150  | MOISTURE SEPARATOR                                         |
| 13       | 2      | 141822-35   | TUBE CLAMP-1.38 I.D.                                       |
| 14       | 2      | 141827-05   | TUBE CLAMP COVER PLATE-1.38 I.D.                           |
| 15       | 2      | 142578-J21  | CAP SCREW-ZINC, 1/4-20 UNC X 3.00,<br>GRADE 5 (@ 6 FT-LBS) |
| 16       | 2      | 112272-J02  | SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC                      |
| 17       | 1      | 23887       | PIPE COUPLING-GALVANIZED, 1.50 NPT                         |
| 18       | 1      | 121033-5    | PIPE BUSHING-BRASS, 0.50 NPT X 0.25 NPT                    |
| 19       | 1      | 142125-2    | EXTRA STRONG BRASS NIPPLE-0.25 NPT X 1.25                  |
| 20       | 1      | 115698-125  | DRAIN VALVE                                                |
| 21       | 1      | 124393-012  | MALE CONNECTOR-0.38 TUBE X 0.25 NPT                        |
| 22       | 5.0 FT | 124435-004  | NYLON TUBING-0.38 O.D.                                     |
| 23       | 1      | 124349-010  | 90° MALE ELBOW-0.38 TUBE X 0.25 NPT                        |
| 24       | 1      | 129203-003  | BULKHEAD COUPLING                                          |
| 25       | 4      | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)        |
| 26       | 4      | 112272-K02  | SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC                     |
| 27       | 1      | 142939      | PIPE BUSHING-BRASS, 0.50 NPT X 0.75 NPT                    |

### COMPONENT MAINTENANCE PARTS

#### 22709-2 AFTERCOOLER:

|   |   |           |                          |
|---|---|-----------|--------------------------|
| A | 1 | 22709-225 | COOLER BONNET-IN/OUT END |
| B | 1 | 22709-227 | COOLER GASKET-IN/OUT END |
| C | 1 | 22709-226 | COOLER BONNET-RETURN END |
| D | 1 | 22708-727 | COOLER GASKET-RETURN END |

#### 124061-001 & 127267-2 AFTERCOOLER:

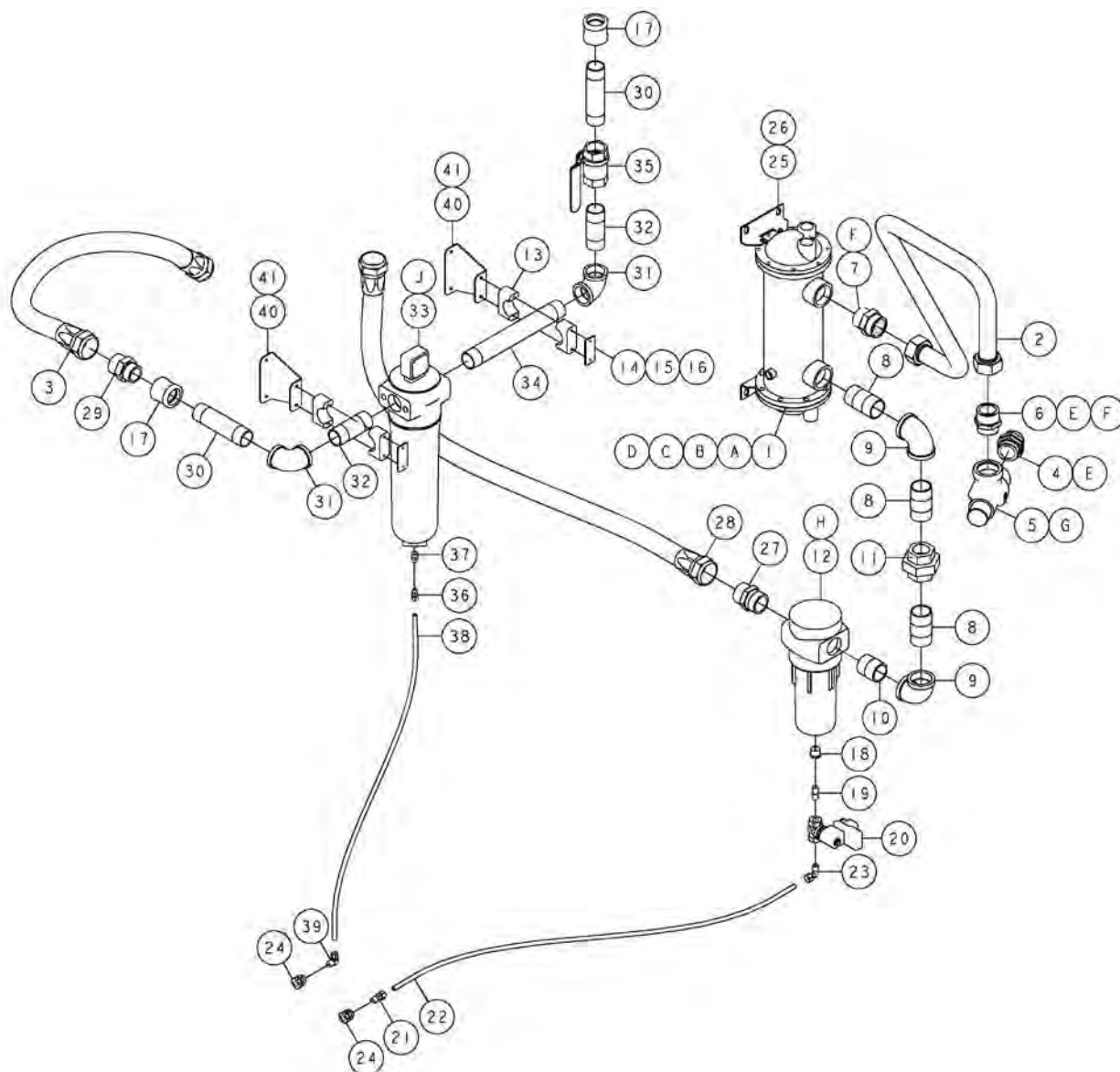
|   |   |            |                          |
|---|---|------------|--------------------------|
| A | 1 | 124060-125 | COOLER BONNET-IN/OUT END |
| B | 1 | 22709-217  | COOLER GASKET-IN/OUT END |
| C | 1 | 124060-126 | COOLER BONNET-RETURN END |
| D | 1 | 22709-218  | COOLER GASKET-RETURN END |

#### OTHER COMPONENTS:

|   |   |            |                                  |
|---|---|------------|----------------------------------|
| E | 3 | 140406-924 | VITON O-RING-1.72 I.D.           |
| F | 4 | 140675-008 | VITON O-RING/FACE SEAL-1.49 I.D. |
| G | 1 | 145999-051 | VITON O-RING                     |

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

## Air Piping (water-cooled, with dryer) - 146500-002/-004/-006



| ITEM No. | QTY. | PART NUMBER | DESCRIPTION                                  |
|----------|------|-------------|----------------------------------------------|
| 1        | 1    | 22709-2     | HEAT EXCHANGER-AFTERCOOLER                   |
|          | 1    | 124061-001  | HEAT EXCHANGER-AFTERCOOLER (SEA WATER)       |
|          | 1    | 127267-2    | HEAT EXCHANGER-AFTERCOOLER (STAINLESS STEEL) |
| 2        | 1    | 146694-06   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.50 O.D.  |
| 3        | 1    | 141951-018  | HOSE ASSEMBLY-1.50 X 45.00 LONG              |
| 4        | 1    | 128884-188  | UNION-1-7/8-12 (O-RING)                      |
| 5        | 1    | 128691-009  | MINIMUM PRESSURE CHECK VALVE                 |
| 6        | 1    | 140682-026  | CONNECTOR-1.50 TUBE X 1-7/8-12 (O-RING)      |
| 7        | 1    | 140681-018  | CONNECTOR-1.50 NPTF X 1.50 TUBE (O-RING)     |
| 8        | 3    | 126022-020  | PIPE NIPPLE-1.50 NPT X 3.25                  |
| 9        | 2    | 21940       | PIPE ELBOW-1.50 NPT                          |

## Air Piping (water-cooled, with dryer) - 146500-002/-004/-006

| ITEM NO. | QTY.   | PART NUMBER | DESCRIPTION                                                |
|----------|--------|-------------|------------------------------------------------------------|
| 10       | 1      | 126022-010  | PIPE NIPPLE-1.50 NPT X 2.00                                |
| 11       | 1      | 127289-021  | PIPE UNION-1.50 NPT                                        |
| 12       | 1      | 145999-150  | MOISTURE SEPARATOR                                         |
| 13       | 4      | 141822-422  | TUBE CLAMP-1.66 I.D.                                       |
| 14       | 2      | 141827-05   | TUBE CLAMP COVER PLATE-1.38 I.D.                           |
| 15       | 4      | 142578-J21  | CAP SCREW-ZINC, 1/4-20 UNC X 3.00,<br>GRADE 5 (@ 6 FT-LBS) |
| 16       | 4      | 112272-J02  | SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC                      |
| 17       | 2      | 124874-001  | PIPE COUPLING-GALVANIZED, 1.25 NPT                         |
| 18       | 1      | 121033-5    | PIPE BUSHING-BRASS, 0.50 NPT X 0.25 NPT                    |
| 19       | 2      | 142125-2    | EXTRA STRONG BRASS NIPPLE-0.25 NPT X 1.25                  |
| 20       | 1      | 115698-125  | DRAIN VALVE                                                |
| 21       | 1      | 124393-012  | MALE CONNECTOR-0.38 TUBE X 0.25 NPT                        |
| 22       | 5.0 FT | 124435-004  | NYLON TUBING-0.38 O.D.                                     |
| 23       | 1      | 124349-010  | 90° MALE ELBOW-0.38 TUBE X 0.25 NPT                        |
| 24       | 2      | 129203-003  | BULKHEAD COUPLING                                          |
| 25       | 4      | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75,<br>GRADE 5 (@ 23 FT-LBS)     |
| 26       | 4      | 112272-K02  | SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC                     |
| 27       | 1      | 123166-29   | MALE CONNECTOR-1.00 TUBE X 1.50 NPT                        |
| 28       | 1      | 141951-007  | HOSE ASSEMBLY-1.50 X 63.75 LONG                            |
| 29       | 1      | 123166-30   | MALE CONNECTOR-1.50 TUBE X 1.25 NPT                        |
| 30       | 2      | 126021-042  | PIPE NIPPLE-GALVANIZED, 1.25 NPT X 6.00                    |
| 31       | 2      | 23881       | PIPE ELBOW-GALVANIZED, 1.25 NPT                            |
| 32       | 2      | 126021-026  | PIPE NIPPLE-GALVANIZED, 1.25 NPT X 4.00                    |
| 33       | 1      | CSNT00300   | COALESCING FILTER ASSEMBLY                                 |
| 34       | 1      | 126021-086  | PIPE NIPPLE-GALVANIZED, 1.25 NPT X 11.50                   |
| 35       | 1      | 110425-125  | QUARTER TURN VALVE                                         |
| 36       | 1      | 124393-004  | MALE CONNECTOR-0.25 TUBE X 0.125 NPT                       |
| 37       | 1      | 125259-001  | BRASS COUPLING-0.12 X 0.12                                 |
| 38       | 0.5 FT | 124435-003  | NYLON TUBING-0.25 O.D.                                     |
| 39       | 1      | 124349-005  | 90° MALE ELBOW-0.25 TUBE X 0.25 NPT                        |
| 40       | 4      | 110511-J10  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.75                     |
| 41       | 2      | 146736-03   | AIR PIPING BRACKET                                         |
| 42       | 1      | 142939      | PIPE BUSHING-BRASS, 0.50 NPT X 0.75 NPT                    |

### COMPONENT MAINTENANCE PARTS

#### 22709-2 AFTERCOOLER:

|   |   |           |                          |
|---|---|-----------|--------------------------|
| A | 1 | 22709-225 | COOLER BONNET-IN/OUT END |
| B | 1 | 22709-227 | COOLER GASKET-IN/OUT END |
| C | 1 | 22709-226 | COOLER BONNET-RETURN END |
| D | 1 | 22708-727 | COOLER GASKET-RETURN END |

#### 124061-001 & 127267-2 AFTERCOOLER:

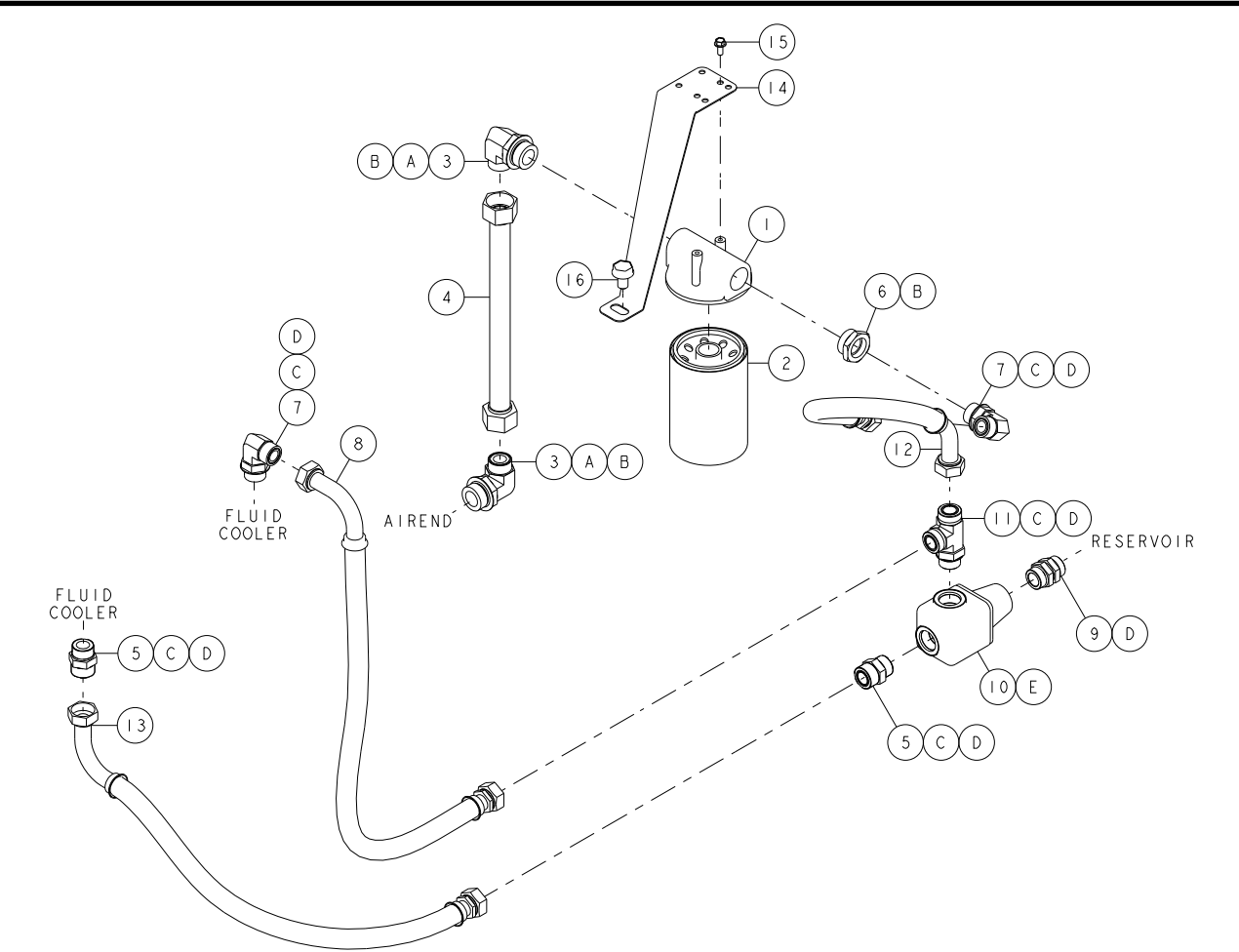
|   |   |            |                          |
|---|---|------------|--------------------------|
| A | 1 | 124060-125 | COOLER BONNET-IN/OUT END |
| B | 1 | 22709-217  | COOLER GASKET-IN/OUT END |
| C | 1 | 124060-126 | COOLER BONNET-RETURN END |
| D | 1 | 22709-218  | COOLER GASKET-RETURN END |

#### OTHER COMPONENTS:

|   |   |            |                                  |
|---|---|------------|----------------------------------|
| E | 3 | 140406-924 | VITON O-RING-1.72 I.D.           |
| F | 4 | 140675-008 | VITON O-RING/FACE SEAL-1.49 I.D. |
| G | 1 | 128691-051 | MINIMUM PRESSURE CHECK VALVE KIT |
| H | 1 | 145999-051 | VITON O-RING                     |
| J | 1 | CSNE00300  | FILTER ELEMENT                   |

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

Fluid Piping (air-cooled, less fluid pump) - 146463-001

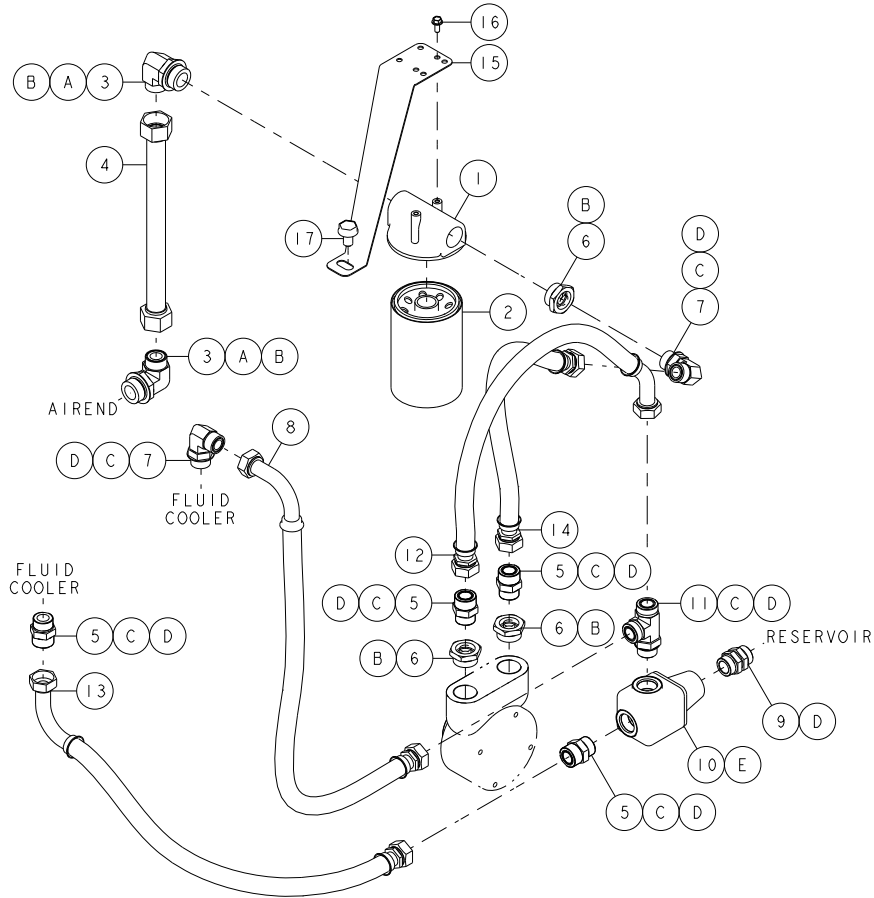


| ITEM No. | QTY. | PART NUMBER | DESCRIPTION                                 |
|----------|------|-------------|---------------------------------------------|
| 1        | 1    | 129845      | FLUID FILTER HEAD                           |
| 2        | 1    | 142136      | FLUID FILTER ELEMENT                        |
| 3        | 2    | 140676-021  | ELBOW-1.25 TUBE X 1-5/8-12 (O-RING)         |
| 4        | 1    | 146694-02   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.25 O.D. |
| 5        | 2    | 140682-020  | CONNECTOR-1.00 TUBE X 1-5/16-12 (O-RING)    |
| 6        | 1    | 129208-021  | ADAPTER-1-5/16-12 X 1-5/8-12 (O-RING)       |
| 7        | 2    | 140676-018  | ELBOW-1.00 TUBE X 1-5/16-12 (O-RING)        |
| 8        | 1    | 146753-02   | HOSE ASSEMBLY-SEAL-LOK, 90° BEND            |
| 9        | 1    | 128884-131  | UNION-1-5/16-12 (O-RING)                    |
| 10       | 1    | 124973-016  | THERMAL VALVE, 190°F                        |
| 11       | 1    | 140673-006  | TEE-1.00 TUBE X 1-5/16-12 (O-RING)          |
| 12       | 1    | 146754-01   | HOSE ASSEMBLY-SEAL-LOK, 45° BEND            |
| 13       | 1    | 146753-01   | HOSE ASSEMBLY-SEAL-LOK, 90° BEND            |
| 14       | 1    | 147222-01   | FLUID FILTER SUPPORT                        |
| 15       | 2    | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75, GRADE 5       |
| 16       | 1    | 141631-Q12  | CAP SCREW-5/8-11 UNC X 1.00, GRADE 5        |

COMPONENT MAINTENANCE PARTS

|   |   |            |                                                     |
|---|---|------------|-----------------------------------------------------|
| A | 2 | 140675-007 | VITON O-RING/FACE SEAL-1.18 I.D.                    |
| B | 3 | 140406-920 | VITON O-RING-1.48 I.D.                              |
| C | 5 | 140675-006 | VITON O-RING/FACE SEAL-0.93 I.D.                    |
| D | 8 | 140406-916 | VITON O-RING-1.17 I.D.                              |
| E | 1 | 124973-060 | THERMAL VALVE KIT (INCLUDES THE FOLLOWING 3 ITEMS:) |
|   | 1 | 124973-061 | THERMAL VALVE ELEMENT                               |
|   | 1 | 124973-052 | THERMAL VALVE SEAL                                  |
|   | 1 | 124973-051 | THERMAL VALVE GASKET/O-RING                         |

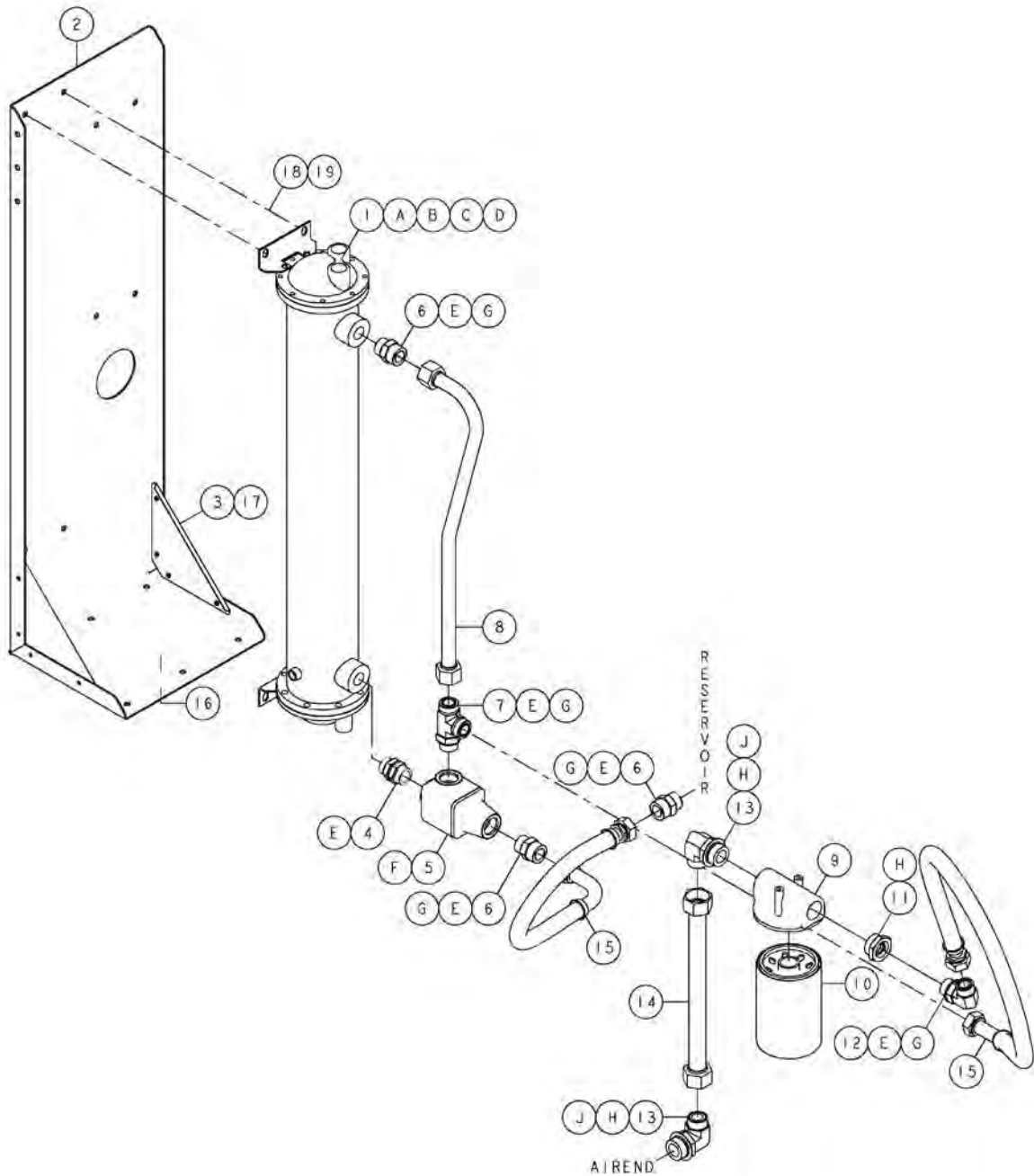
## Fluid Piping (air-cooled, with fluid pump) - 146463-002



| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                 |
|----------|------|-------------|---------------------------------------------|
| 1        | 1    | 129845      | FLUID FILTER HEAD                           |
| 2        | 1    | 142136      | FLUID FILTER ELEMENT                        |
| 3        | 2    | 140676-021  | ELBOW-1.25 TUBE X 1-5/8-12 (O-RING)         |
| 4        | 1    | 146694-02   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.25 O.D. |
| 5        | 4    | 140682-020  | CONNECTOR-1.00 TUBE X 1-5/16-12 (O-RING)    |
| 6        | 3    | 129208-021  | ADAPTER-1-5/16-12 X 1-5/8-12 (O-RING)       |
| 7        | 2    | 140676-018  | ELBOW-1.00 TUBE X 1-5/16-12 (O-RING)        |
| 8        | 1    | 146753-02   | HOSE ASSEMBLY-SEAL-LOK, 1.00 O.D.           |
| 9        | 1    | 128884-131  | UNION-1-5/16-12 (O-RING)                    |
| 10       | 1    | 124973-016  | THERMAL VALVE, 190°F                        |
| 11       | 1    | 140673-006  | TEE-1.00 TUBE X 1-5/16-12 (O-RING)          |
| 12       | 1    | 146754-01   | HOSE ASSEMBLY-SEAL-LOK, 1.00 O.D.           |
| 13       | 1    | 146753-01   | HOSE ASSEMBLY-SEAL-LOK, 1.00 O.D.           |
| 14       | 1    | 146245-1616 | AIR HOSE - 1.00 X 16.00 LONG                |
| 15       | 1    | 147222-01   | FLUID FILTER SUPPORT                        |
| 16       | 2    | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75, GRADE 5       |
| 17       | 1    | 141631-Q12  | CAP SCREW-5/8-11 UNC X 1.00, GRADE 5        |

### COMPONENT MAINTENANCE PARTS

|   |   |            |                                                     |
|---|---|------------|-----------------------------------------------------|
| A | 2 | 140675-007 | VITON O-RING/FACE SEAL-1.18 I.D.                    |
| B | 5 | 140406-920 | VITON O-RING-1.48 I.D.                              |
| C | 7 | 140675-006 | VITON O-RING/FACE SEAL-0.93 I.D.                    |
| D | 8 | 140406-916 | VITON O-RING-1.17 I.D.                              |
| E | 1 | 124973-060 | THERMAL VALVE KIT (INCLUDES THE FOLLOWING 3 ITEMS:) |
|   | 1 | 124973-061 | THERMAL VALVE ELEMENT                               |
|   | 1 | 124973-052 | THERMAL VALVE SEAL                                  |
|   | 1 | 124973-051 | THERMAL VALVE GASKET/O-RING                         |



## Fluid Piping (water-cooled, less fluid pump) - 146501-001/-003/-005

| ITEM No. | QTY. | PART NUMBER | DESCRIPTION                                         |
|----------|------|-------------|-----------------------------------------------------|
| 1        | 1    | 22708-45    | HEAT EXCHANGER-FLUID COOLER                         |
|          | 1    | 124060-022  | HEAT EXCHANGER-FLUID COOLER (SEA WATER)             |
|          | 1    | 127266-20   | HEAT EXCHANGER-FLUID COOLER (STAINLESS STEEL)       |
| 2        | 1    | 146623      | COOLER SUPPORT                                      |
| 3        | 2    | 145054      | COOLER SUPPORT BRACKET                              |
| 4        | 1    | 128884-131  | UNION-1-5/16-12 (O-RING)                            |
| 5        | 1    | 124973-016  | THERMAL VALVE, 190°F                                |
| 6        | 3    | 140682-020  | CONNECTOR-1.00 TUBE X 1-5/16-12 (O-RING)            |
| 7        | 1    | 140673-006  | TEE-1.00 TUBE X 1-5/16-12 (O-RING)                  |
| 8        | 1    | 146694-05   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.00 O.D.         |
| 9        | 1    | 129845      | FLUID FILTER HEAD                                   |
| 10       | 1    | 142136      | FLUID FILTER ELEMENT                                |
| 11       | 1    | 129208-021  | ADAPTER-1-5/16-12 X 1-5/8-12 (O-RING)               |
| 12       | 1    | 140676-018  | ELBOW-1.00 TUBE X 1-5/16-12 (O-RING)                |
| 13       | 2    | 140676-021  | ELBOW-1.25 TUBE X 1-5/8-12 (O-RING)                 |
| 14       | 1    | 146694-02   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.25 O.D.         |
| 15       | 2    | 146753-01   | HOSE ASSEMBLY-SEAL-LOK, 1.00 O.D.                   |
| 16       | 6    | 14654410030 | CAP SCREW-ZINC, 10 MM X 30 MM                       |
| 17       | 8    | 110511-J07  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50              |
| 18       | 4    | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 23 FT-LBS) |
| 19       | 4    | 112272-K02  | SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC              |

### COMPONENT MAINTENANCE PARTS

#### 22708-45 FLUID COOLER:

|   |   |           |                          |
|---|---|-----------|--------------------------|
| A | 1 | 22709-225 | COOLER BONNET-IN/OUT END |
| B | 1 | 22709-227 | COOLER GASKET-IN/OUT END |
| C | 1 | 22709-226 | COOLER BONNET-RETURN END |
| D | 1 | 22708-727 | COOLER GASKET-RETURN END |

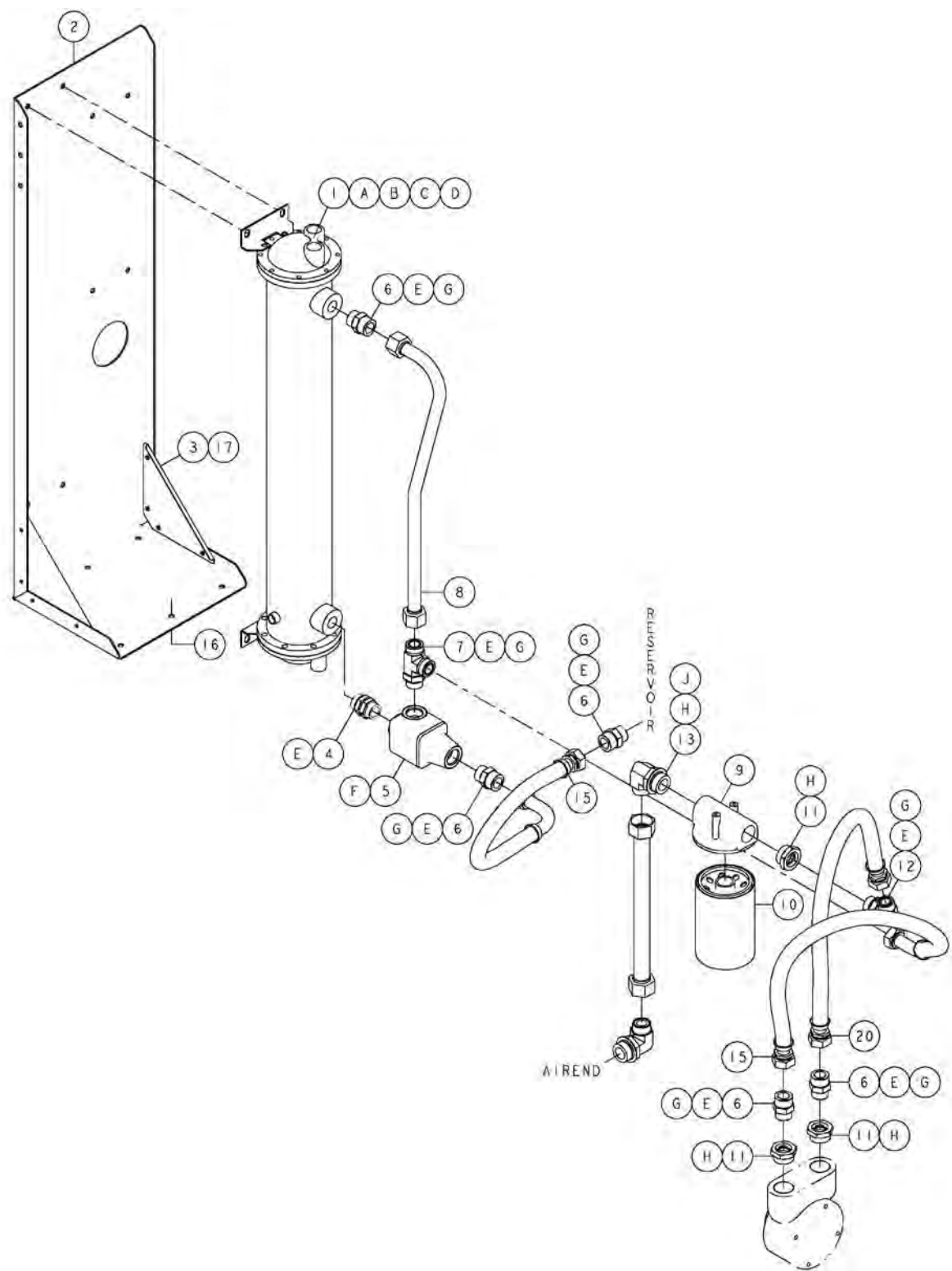
#### 124060-022 & 127266-20 FLUID COOLER:

|   |   |  |                          |
|---|---|--|--------------------------|
| A | 1 |  | COOLER BONNET-IN/OUT END |
| B | 1 |  | COOLER GASKET-IN/OUT END |
| C | 1 |  | COOLER BONNET-RETURN END |
| D | 1 |  | COOLER GASKET-RETURN END |

#### OTHER COMPONENTS:

|   |   |            |                                                     |
|---|---|------------|-----------------------------------------------------|
| E | 8 | 140406-916 | VITON O-RING-1.17 I.D.                              |
| F | 1 | 124973-060 | THERMAL VALVE KIT (INCLUDES THE FOLLOWING 3 ITEMS:) |
|   |   | 124973-061 | THERMAL VALVE ELEMENT                               |
|   |   | 124973-052 | THERMAL VALVE SEAL                                  |
|   |   | 124973-051 | THERMAL VALVE GASKET/O-RING                         |
| G | 5 | 140675-006 | VITON O-RING/FACE SEAL-0.93 I.D.                    |
| H | 3 | 140406-920 | VITON O-RING-1.48 I.D.                              |
| J | 2 | 140675-007 | VITON O-RING/FACE SEAL-1.18 I.D.                    |

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



## Fluid Piping (water-cooled, with fluid pump) - 146501-002/-004/-006

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                         |
|----------|------|-------------|-----------------------------------------------------|
| 1        | 1    | 22708-45    | HEAT EXCHANGER-FLUID COOLER                         |
|          | 1    | 124060-022  | HEAT EXCHANGER-FLUID COOLER (SEA WATER)             |
|          | 1    | 127266-20   | HEAT EXCHANGER-FLUID COOLER (STAINLESS STEEL)       |
| 2        | 1    | 146623      | COOLER SUPPORT                                      |
| 3        | 2    | 145054      | COOLER SUPPORT BRACKET                              |
| 4        | 1    | 128884-131  | UNION-1-5/16-12 (O-RING)                            |
| 5        | 1    | 124973-016  | THERMAL VALVE, 190°F                                |
| 6        | 5    | 140682-020  | CONNECTOR-1.00 TUBE X 1-5/16-12 (O-RING)            |
| 7        | 1    | 140673-006  | TEE-1.00 TUBE X 1-5/16-12 (O-RING)                  |
| 8        | 1    | 146694-05   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.00 O.D.         |
| 9        | 1    | 129845      | FLUID FILTER HEAD                                   |
| 10       | 1    | 142136      | FLUID FILTER ELEMENT                                |
| 11       | 2    | 129208-021  | ADAPTER-1-5/16-12 X 1-5/8-12 (O-RING)               |
| 12       | 2    | 140676-018  | ELBOW-1.00 TUBE X 1-5/16-12 (O-RING)                |
| 13       | 2    | 140676-021  | ELBOW-1.25 TUBE X 1-5/8-12 (O-RING)                 |
| 14       | 1    | 146694-02   | FORMED TUBE ASSEMBLY-PAR-FLANGED, 1.25 O.D.         |
| 15       | 2    | 146753-01   | HOSE ASSEMBLY-SEAL-LOK, 1.00 O.D.                   |
| 16       | 6    | 14654410030 | CAP SCREW-ZINC, 10 MM X 30 MM                       |
| 17       | 8    | 110511-J07  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50              |
| 18       | 4    | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75, GRADE 5 (@ 23 FT-LBS) |
| 19       | 4    | 112272-K02  | SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC              |
| 20       | 1    | 146245-1616 | AIR HOSE - 1.00 X 16.00 LONG                        |

### COMPONENT MAINTENANCE PARTS

#### 22708-45 FLUID COOLER:

|   |   |           |                          |
|---|---|-----------|--------------------------|
| A | 1 | 22709-225 | COOLER BONNET-IN/OUT END |
| B | 1 | 22709-227 | COOLER GASKET-IN/OUT END |
| C | 1 | 22709-226 | COOLER BONNET-RETURN END |
| D | 1 | 22708-727 | COOLER GASKET-RETURN END |

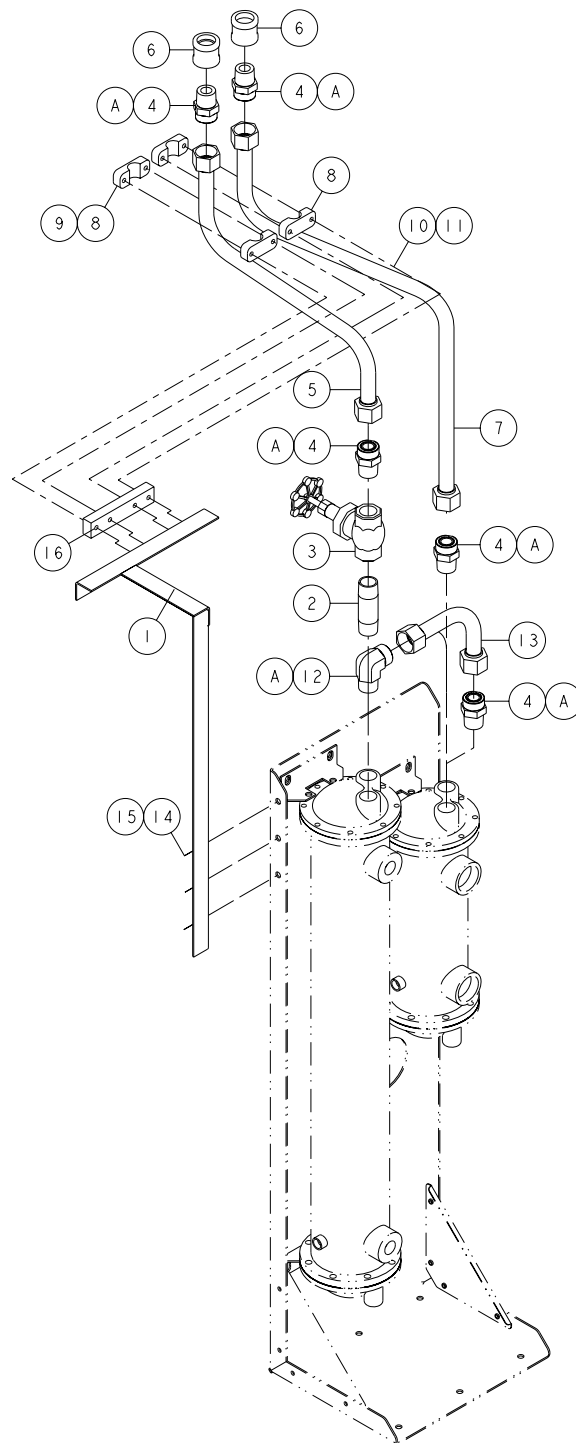
#### 124060-022 & 127266-20 FLUID COOLER:

|   |   |  |                          |
|---|---|--|--------------------------|
| A | 1 |  | COOLER BONNET-IN/OUT END |
| B | 1 |  | COOLER GASKET-IN/OUT END |
| C | 1 |  | COOLER BONNET-RETURN END |
| D | 1 |  | COOLER GASKET-RETURN END |

#### OTHER COMPONENTS:

|   |   |            |                                                     |
|---|---|------------|-----------------------------------------------------|
| E | 8 | 140406-916 | VITON O-RING-1.17 I.D.                              |
| F | 1 | 124973-060 | THERMAL VALVE KIT (INCLUDES THE FOLLOWING 3 ITEMS:) |
|   |   | 124973-061 | THERMAL VALVE ELEMENT                               |
|   |   | 124973-052 | THERMAL VALVE SEAL                                  |
|   |   | 124973-051 | THERMAL VALVE GASKET/O-RING                         |
| G | 6 | 140675-006 | VITON O-RING/FACE SEAL-0.93 I.D.                    |
| H | 5 | 140406-920 | VITON O-RING-1.48 I.D.                              |
| J | 3 | 140675-007 | VITON O-RING/FACE SEAL-1.18 I.D.                    |

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



NOTES UNLESS OTHERWISE SPECIFIED:  
1) SOLENOID VALVE OPTION (ITEM 3) IS  
AVAILABLE ON 60 Hz UNITS ONLY AND  
IS NOT SHOWN.

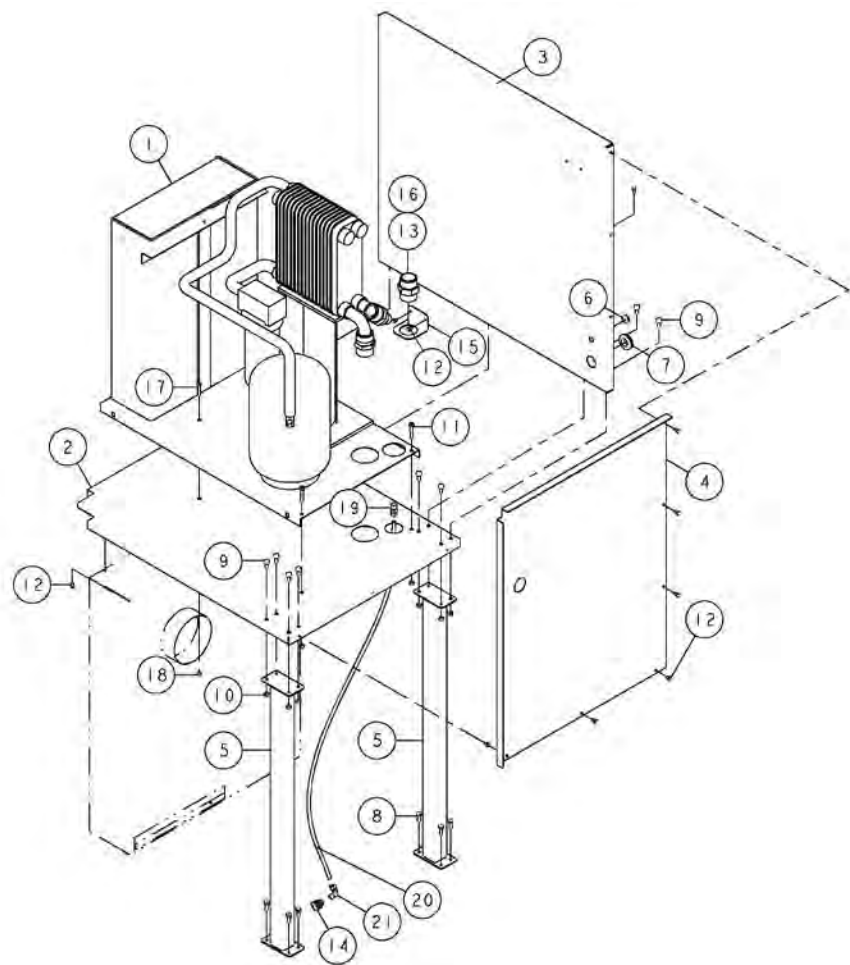
## Water Piping - 146502-001/-003

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                                                 |
|----------|------|-------------|-----------------------------------------------------------------------------|
| 1        | 1    | 146802      | PIPING SUPPORT BRACKET                                                      |
| 2        | 1    | 126020-026  | PIPE NIPPLE-GALVANIZED, 1.00 NPT X 4.00                                     |
| 3        | 1    | 5051        | GLOBE VALVE                                                                 |
| 4        | 5    | 140681-015  | CONNECTOR-1.00 NPTF X 1.00 TUBE (O-RING)                                    |
| 5        | 1    | 146694-09   | FORMED TUBE ASSEMBLY-PAR-FLANGED,<br>1.00 O.D. (FRESH WATER)                |
|          | 1    | 146694-09S  | FORMED TUBE ASSEMBLY-PAR-FLANGED,<br>1.00 O.D., STAINLESS STEEL (SEA WATER) |
| 6        | 2    | 21740       | PIPE COUPLING-GALVANIZED, 1.00 NPT                                          |
|          | 2    | 141578-006  | PIPE COUPLING-STAINLESS STEEL,<br>1.00 NPT (SEA WATER)                      |
| 7        | 1    | 146694-08   | FORMED TUBE ASSEMBLY-PAR-FLANGED,<br>1.00 O.D. (FRESH WATER)                |
|          | 1    | 146694-08S  | FORMED TUBE ASSEMBLY-PAR-FLANGED,<br>1.00 O.D., STAINLESS STEEL (SEA WATER) |
| 8        | 4    | 141822-254  | TUBE CLAMP-0.98 I.D.                                                        |
| 9        | 2    | 141827-03   | TUBE CLAMP COVER PLATE-0.98 I.D.                                            |
| 10       | 4    | 142578-J21  | CAP SCREW-ZINC, 1/4-20 UNC X 3.00,<br>GRADE 5 (@ 6 FT-LBS)                  |
| 11       | 4    | 112272-J02  | SELF-LOCKING HEX NUT-ZINC, 1/4-20 UNC                                       |
| 12       | 1    | 140677-014  | ELBOW-1.00 TUBE X 1.00-11.5 NPTF (O-RING)                                   |
| 13       | 1    | 146694-04   | FORMED TUBE ASSEMBLY-PAR-FLANGED,<br>1.00 O.D. (FRESH WATER)                |
|          | 1    | 146694-04S  | FORMED TUBE ASSEMBLY-PAR-FLANGED,<br>1.00 O.D., STAINLESS STEEL (SEA WATER) |
| 14       | 3    | 141631-L10  | CAP SCREW-3/8-16 UNC X 0.75, GRADE 5 (@ 23 FT-LBS)                          |
| 15       | 3    | 112272-L02  | SELF-LOCKING HEX NUT-ZINC, 3/8-16 UNC                                       |
| 16       | 1    | 145055      | CLAMP SPACER                                                                |

### COMPONENT MAINTENANCE PARTS

|   |   |            |                                  |
|---|---|------------|----------------------------------|
| A | 6 | 140675-006 | VITON O-RING/FACE SEAL-0.93 I.D. |
|---|---|------------|----------------------------------|

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



## Dryer (optional) - 146282-001 thru -008

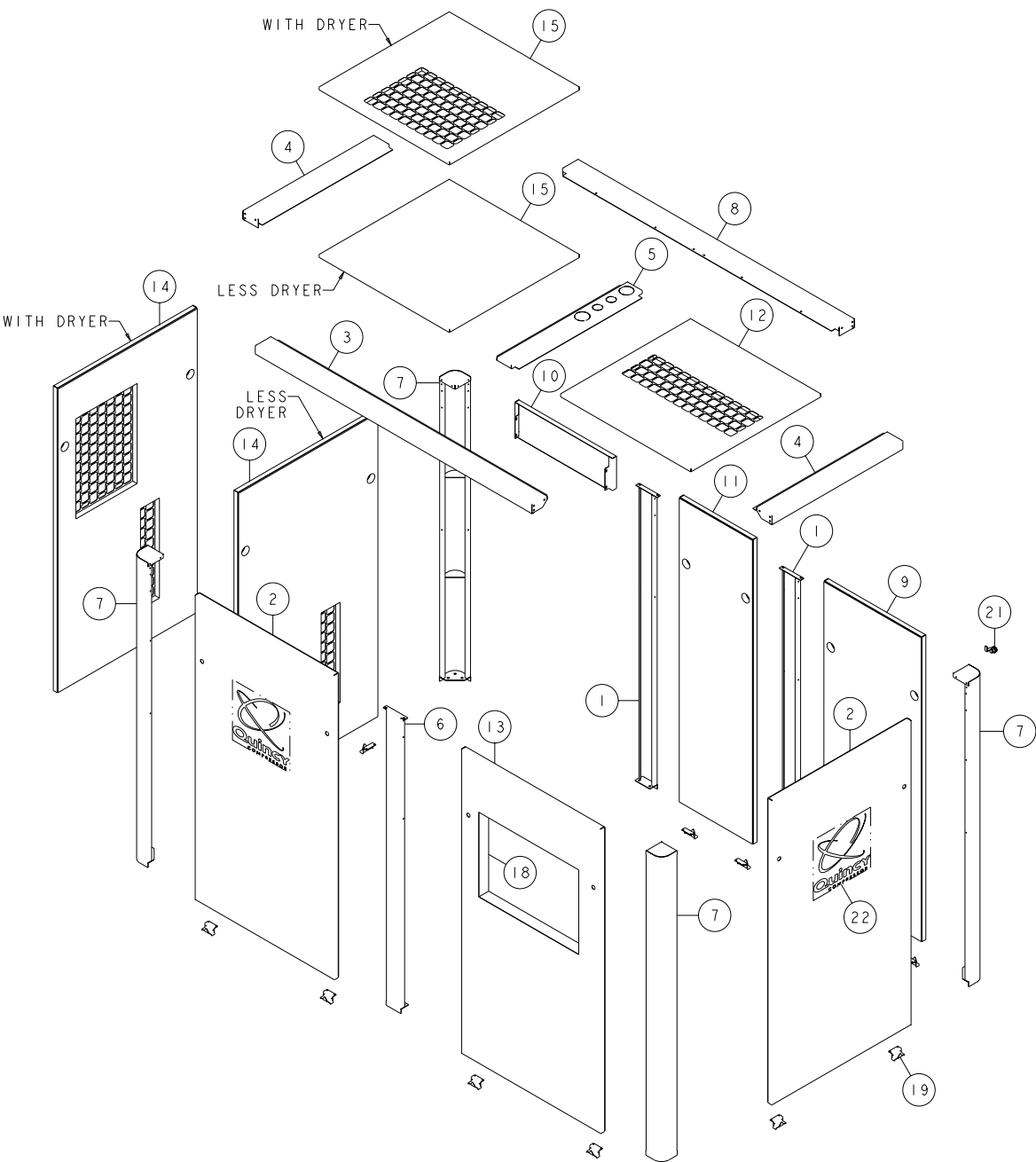
| ITEM NO. | QTY.   | PART NUMBER | DESCRIPTION                                                  |
|----------|--------|-------------|--------------------------------------------------------------|
| 1        | 1      | 146271-05   | DRYER ASSEMBLY (50 HP, 200/230 VOLT)                         |
|          | 1      | 146271-08   | DRYER ASSEMBLY (50 HP, 380/415 VOLT)                         |
|          | 1      | 146271-06   | DRYER ASSEMBLY (50 HP, 460 VOLT)                             |
|          | 1      | 146271-03   | DRYER ASSEMBLY (40 HP, 575 VOLT)                             |
|          | 1      | 146271-09   | DRYER ASSEMBLY (60 HP, 200/230 VOLT)                         |
|          | 1      | 146271-12   | DRYER ASSEMBLY (60 HP, 380/415 VOLT)                         |
|          | 1      | 146271-10   | DRYER ASSEMBLY (60 HP, 460 VOLT)                             |
|          | 1      | 146271-11   | DRYER ASSEMBLY (60 HP, 575 VOLT)                             |
| 2        | 1      | 146391      | DRYER PANEL                                                  |
| 3        | 1      | 146392      | DRYER PANEL-COOLER SIDE                                      |
| 4        | 1      | 146393      | DRYER PANEL-DRYER SIDE                                       |
| 5        | 2      | 146676-2    | DRYER SUPPORT ASSEMBLY                                       |
| 6        | 1      | 140806-03   | RUBBER GROMMET                                               |
| 7        | 1      | 140806-04   | RUBBER GROMMET                                               |
| 8        | 8      | 12798508025 | CAP SCREW-ZINC, 8MM X 25MM                                   |
| 9        | 8      | 141631-K10  | CAP SCREW-5/16-18 UNC X 0.75,<br>GRADE 5 (@ 23 FT-LBS)       |
| 10       | 10     | 124370-K02  | LOCKNUT-5/16-18 UNC                                          |
| 11       | 2      | 142578-K16  | CAP SCREW-ZINC, 5/16-18 UNC X 1.75,<br>GRADE 5 (@ 13 FT-LBS) |
| 12       | 10     | 110511-J07  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50                       |
| 13       | 1      | 146751-24   | HOSE FITTING-UNION, 1-7/8                                    |
| 14       | 1      | 129203-003  | BULKHEAD COUPLING                                            |
| 15       | 1      | 146752      | UNION BRACKET                                                |
| 16       | 1      | 20222-02    | SELF LOCK CABLE TIE                                          |
| 17       | 1      | 142578-J15  | CAP SCREW-ZINC, 1/4-20 UNC X 1.50,<br>GRADE 5 (@ 6 FT-LBS)   |
| 18       | 1      | 124370-J02  | LOCKNUT-1/4-20 UNC                                           |
| 19       | 1      | 124393-013  | MALE CONNECTOR-0.38 TUBE X 0.38 NPT                          |
| 20       | 3.0 FT | 140620-004  | BLACK NYLON TUBING-0.38 O. D.                                |
| 21       | 1      | 124349-010  | 90° MALE ELBOW-0.38 TUBE X 0.25 NPT                          |

DRYER ELECTRICAL CONTROL (NOT SHOWN) - LOCATED IN THE ELECTRICAL ENCLOSURE:

|   |            |                                                                          |
|---|------------|--------------------------------------------------------------------------|
| 1 | 146561-3   | SOCKET RELAY                                                             |
| 1 | 144117-06  | FUSE HOLDER                                                              |
| 1 | 144570-02  | CONTACTOR (50 HP, 200/230 VOLT & 60 HP, 380/415 VOLT)                    |
| 1 | 144570-01  | CONTACTOR (50 HP, 380/415/460/575 VOLT &<br>60 HP, 200/230/460/575 VOLT) |
| 3 | 128857-024 | FUSE (12 AMP) (50 HP, 200/230 VOLT)                                      |
| 3 | 128857-010 | FUSE (7 1/2 AMP) (50 HP, 380/415/460 VOLT & 60 HP, 575 VOLT)             |
| 3 | 128857-018 | FUSE (5 6/10 AMP) (50 HP, 575 VOLT)                                      |
| 3 | 128857-026 | FUSE (20 AMP) (60 HP, 200/230 VOLT)                                      |
| 3 | 128857-022 | FUSE (9 AMP) (60 HP, 380/415/460 VOLT)                                   |

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

Cabinet (air-cooled) - 146683-001/-002

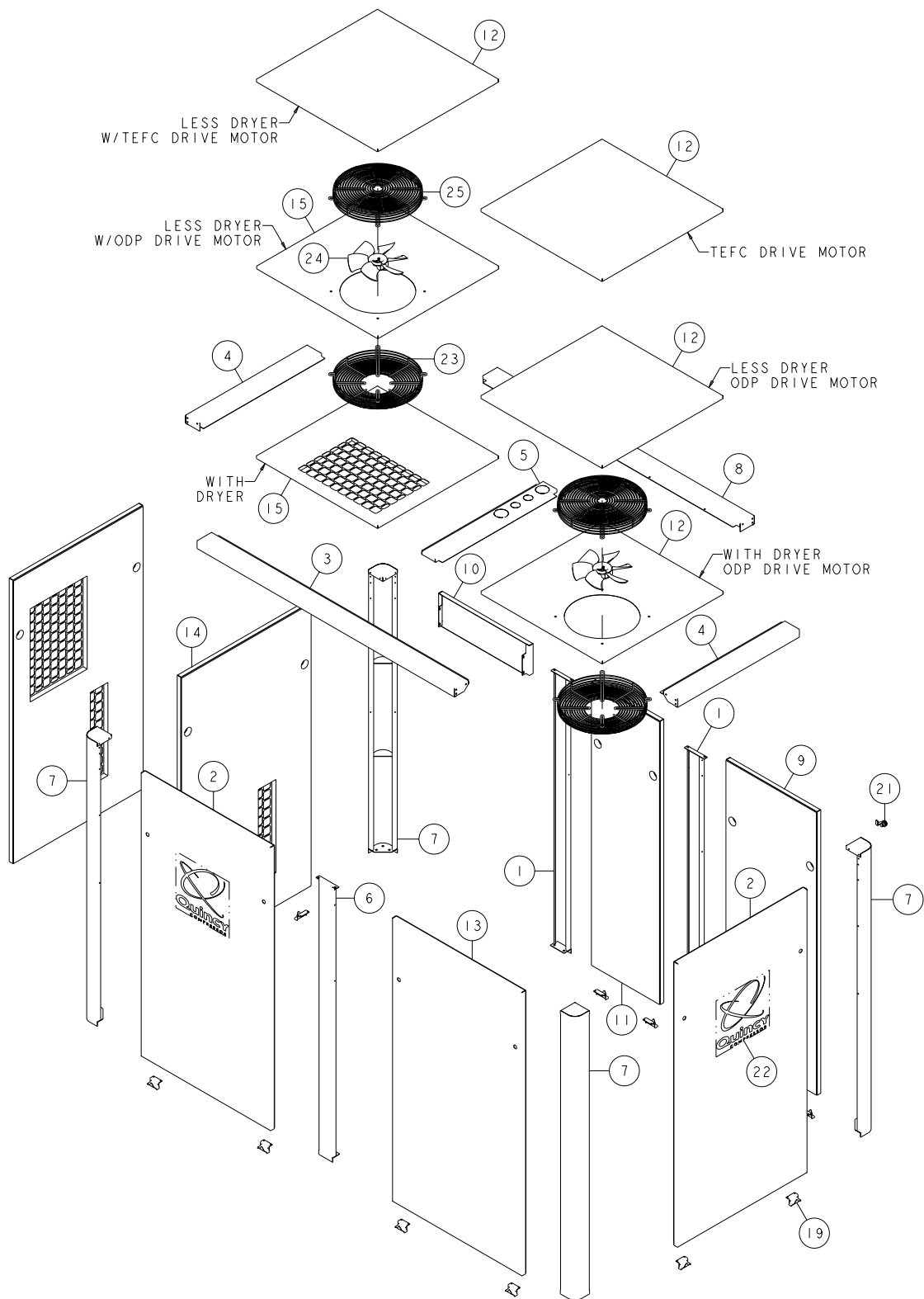


## Cabinet (air-cooled) - 146683-001/-002

| ITEM No. | QTY.    | PART NUMBER | DESCRIPTION                            |
|----------|---------|-------------|----------------------------------------|
| 1        | 2       | 146684-01   | CABINET POST PANEL                     |
| 2        | 2       | 146684-02   | DOOR PANEL                             |
| 3        | 1       | 146684-14   | ROOF SUPPORT PANEL                     |
| 4        | 2       | 146684-04   | ROOF SUPPORT PANEL                     |
| 5        | 1       | 146684-05   | CENTER ROOF SUPPORT PANEL              |
| 6        | 1       | 146684-17   | CABINET POST PANEL                     |
| 7        | 4       | 146684-07   | CORNER POST PANEL                      |
| 8        | 1       | 146684-08   | ROOF SUPPORT PANEL                     |
| 9        | 1       | 146684-09   | DOOR PANEL                             |
| 10       | 1       | 146684-12   | COVER PANEL                            |
| 11       | 1       | 146684-13   | DOOR PANEL                             |
| 12       | 1       | 146684-06   | TOP COOLER PANEL                       |
| 13       | 1       | 146684-03   | DOOR PANEL-COOLER                      |
| 14       | 1       | 146684-15   | VENTED DOOR PANEL (LESS DRYER)         |
|          | 1       | 146684-10   | VENTED DOOR PANEL (WITH DRYER)         |
| 15       | 1       | 146684-16   | TOP PANEL (LESS DRYER)                 |
|          | 1       | 146684-11   | TOP PANEL (WITH DRYER)                 |
| 16       | 18      | 14654408020 | CAP SCREW-ZINC, 8 MM X 20 MM           |
| 17       | 40      | 110511-J07  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50 |
| 18       | 8.00 FT | 141527-1    | PANEL TRIM                             |
| 19       | 12      | 146682      | DOOR SUPPORT                           |
| 20       | 24      | 146717-08   | RIVET                                  |
| 21       | 10      | 128954-3    | QUARTER TURN DOOR LATCH                |
| 22       | 3       | 146021-2    | DECAL-Q/QUINCY, WHITE (15 INCH)        |

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

Cabinet (water-cooled) - 146683-003/-004/-005/-006



NOTE-UNLESS OTHERWISE SPECIFIED:  
1) ITEMS 23 THRU 31 USED ONLY ON W/C UNITS WITH ODP DRIVE MOTOR.

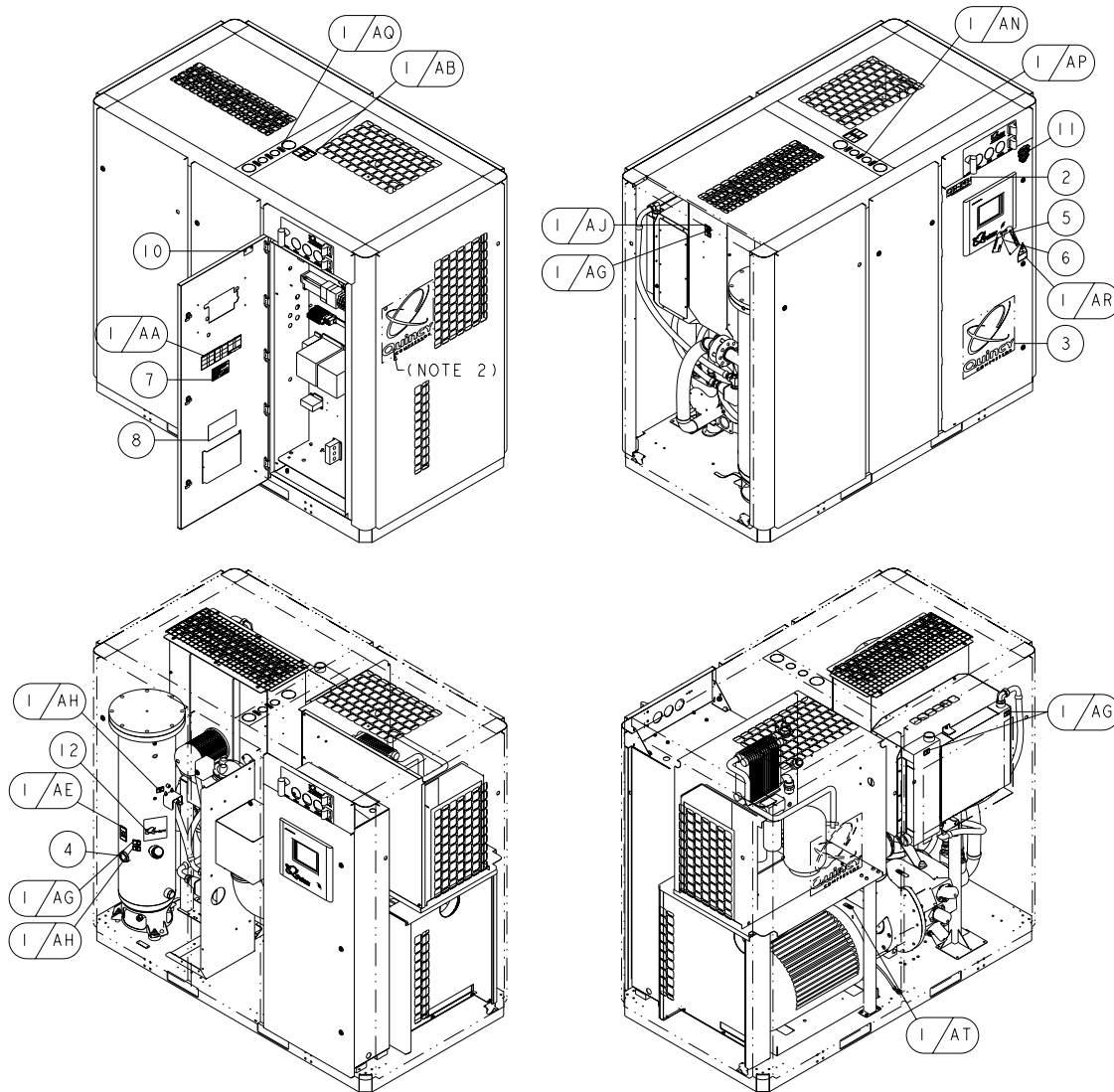
## Cabinet (water-cooled) - 146683-003/-004/-005/-006

| ITEM NO. | QTY.   | PART NUMBER | DESCRIPTION                                                  |
|----------|--------|-------------|--------------------------------------------------------------|
| 1        | 2      | 146684-01   | CABINET POST PANEL                                           |
| 2        | 2      | 146684-02   | DOOR PANEL                                                   |
| 3        | 1      | 146684-14   | ROOF SUPPORT PANEL                                           |
| 4        | 2      | 146684-04   | ROOF SUPPORT PANEL                                           |
| 5        | 1      | 146684-05   | CENTER ROOF SUPPORT PANEL                                    |
| 6        | 1      | 146684-17   | CABINET POST PANEL                                           |
| 7        | 4      | 146684-07   | CORNER POST PANEL                                            |
| 8        | 1      | 146684-08   | ROOF SUPPORT PANEL                                           |
| 9        | 1      | 146684-09   | DOOR PANEL                                                   |
| 10       | 1      | 146684-12   | COVER PANEL                                                  |
| 11       | 1      | 146684-13   | DOOR PANEL                                                   |
| 12       | 1      | 146684-16   | TOP PANEL (LESS DRYER OR WITH DRYER, <b>TEFC</b> )           |
|          | 1      | 146684-21   | TOP PANEL (WITH DRYER, <b>ODP</b> )                          |
| 13       | 1      | 146684-02   | DOOR PANEL                                                   |
| 14       | 1      | 146684-15   | VENTED DOOR PANEL (LESS DRYER)                               |
|          | 1      | 146684-10   | VENTED DOOR PANEL (WITH DRYER)                               |
| 15       | 1      | 146684-21   | TOP PANEL (LESS DRYER, <b>ODP</b> )                          |
|          | 1      | 146684-11   | TOP PANEL (WITH DRYER, <b>ODP</b> )                          |
|          | 1      | 146684-16   | TOP PANEL (LESS DRYER, <b>TEFC</b> )                         |
|          | 1      | 146684-11   | TOP PANEL (WITH DRYER, <b>TEFC</b> )                         |
| 16       | 18     | 14654408020 | CAP SCREW-ZINC, 8 MM X 20 MM                                 |
| 17       | 40     | 110511-J07  | HEX HEAD SCREW-ZINC, 1/4-20 UNC X 0.50                       |
| 18       | 8.0 FT | 141527-1    | PANEL TRIM                                                   |
| 19       | 12     | 146682      | DOOR SUPPORT                                                 |
| 20       | 24     | 146717-08   | RIVET                                                        |
| 21       | 10     | 128954-3    | QUARTER TURN DOOR LATCH                                      |
| 22       | 3      | 146021-2    | DECAL-Q/QUINCY, WHITE (15 INCH)                              |
| 23*      | 1      | 141223      | FAN GUARD                                                    |
| 24*      | 1      | 146888-001  | FAN-6 BLADE, 15.0 O.D.                                       |
| 25*      | 1      | 143061      | FAN GUARD                                                    |
| 26*      | 8      | 110428W031  | FLAT WASHER-0.31                                             |
| 27*      | 4      | 112272-K02  | SELF-LOCKING HEX NUT-ZINC, 5/16-18 UNC                       |
| 28*      | 4      | 142578-L12  | CAP SCREW-ZINC, 3/8-16 UNC X 1.00,<br>GRADE 5 (@ 23 FT-LBS)  |
| 29*      | 4      | 110428W038  | FLAT WASHER-0.38                                             |
| 30*      | 4      | 123115-06Z  | LOCKWASHER-ZINC, 0.38                                        |
| 31*      | 4      | 142578-K14  | CAP SCREW-ZINC, 5/16-18 UNC X 1.25,<br>GRADE 5 (@ 13 FT-LBS) |

\* REFERENCE DRAWING NOTE.

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

## Decals - 129776-220i/245i/250i/300i



**NOTES-UNLESS OTHERWISE SPECIFIED:**

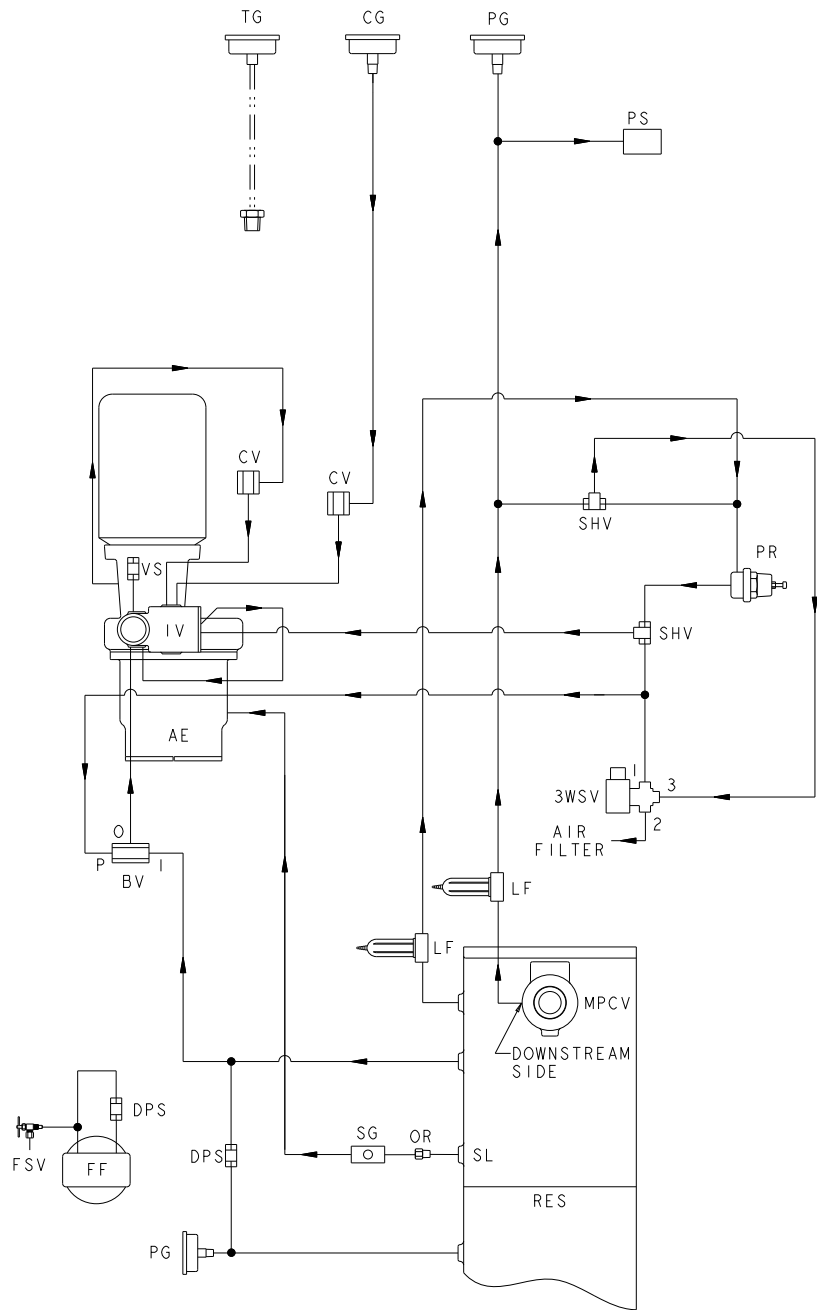
- 1) WATER-COOLED UNITS:  
 ITEMS I/AN & I/AP ARE USED ONLY ON WATER-COOLED UNITS.  
 ITEM(S) I/AC (NOT SHOWN) TO BE PLACED ON THE FLUID COOLER AND THE AFTERCOOLER ON WATER-COOLED UNITS.  
 ITEM 9 (NOT SHOWN) USED ONLY ON WATER-COOLED UNITS.
- 2) SAME AS ITEM 3. QUANTITY OF 4 TOTAL USED ON UNITS WITH CABINET. REFERENCE CABINET GROUP.
- 3) ITEMS 10, 11 & 12 SHOWN HERE FOR LOCATION ONLY. REFERENCE ELECTRICAL CONTROL GROUP FOR ITEM 10, WARRANTY GROUP FOR ITEM 11 & FLUID GROUP FOR ITEM 12.

## Decals - 129776-220i/245i/250i/300i

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION                                        |
|----------|------|-------------|----------------------------------------------------|
| 1        | 1    | 146001      | SAFETY DECAL SHEET                                 |
| 2        | 1    | 146006-220i | DECAL-QSI-220i                                     |
|          | 1    | 146006-245i | DECAL-QSI-245i                                     |
|          | 1    | 146006-250i | DECAL-QSI-250i                                     |
|          | 1    | 146006-300i | DECAL-QSI-300i                                     |
| 3        | 1    | 146021-2    | DECAL-Q/QUINCY, WHITE (15 INCH)                    |
| 4        | 1    | 142325      | FLUID LEVEL DECAL                                  |
| 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    | 141251      | TAG-PLUGS REMOVED... (USED ON W/C ONLY, NOT SHOWN) |
| 10       | 1    | 113058      | DECAL-CONTROL PANEL, UL LISTED                     |
| 11       | 1    | 146024      | DECAL-ROYAL BLUE WARRANTY                          |
| 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®       |

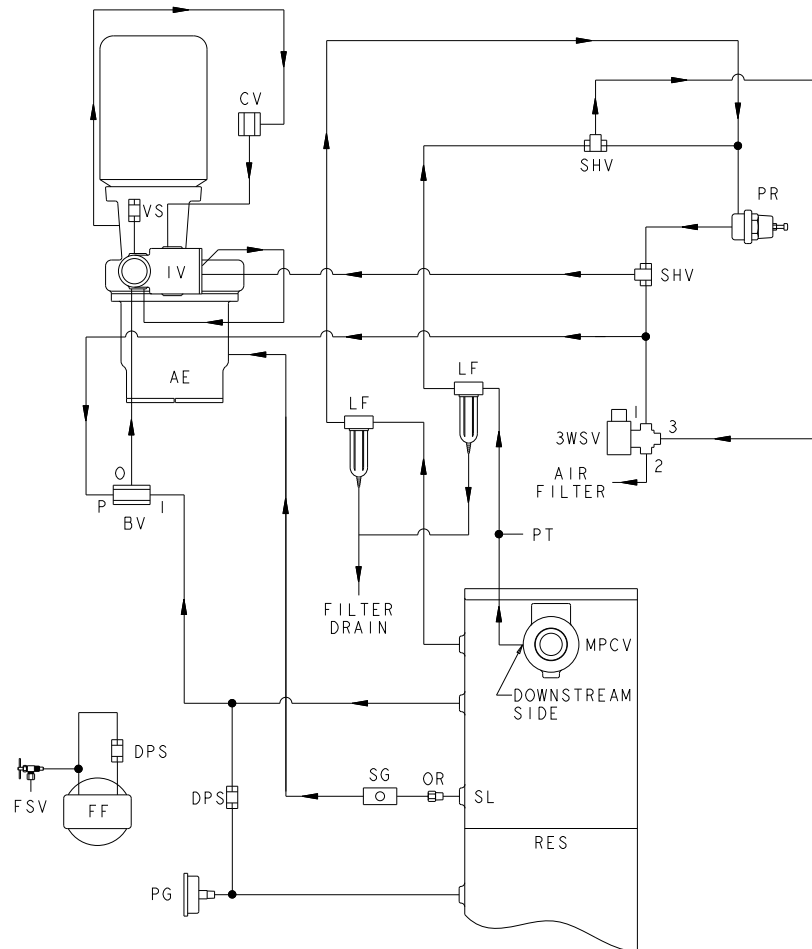
# Control Schematic (standard PLC control)

147245-1



- |      |                              |      |                      |
|------|------------------------------|------|----------------------|
| AE   | AIREND                       | PG   | PRESSURE GAUGE       |
| BV   | BLOWDOWN VALVE               | PS   | PRESSURE SWITCH      |
| CG   | CAPACITY GAUGE               | RES  | RESERVOIR            |
| CV   | CAPACITY VALVE               | SG   | SIGHTGLASS           |
| DPS  | DIFFERENTIAL PRESSURE SWITCH | SHV  | SHUTTLE VALVE        |
| FF   | FLUID FILTER                 | SL   | SCAVENGE LINE        |
| FSV  | FLUID SAMPLE VALVE           | TG   | TEMPERATURE GAUGE    |
| IV   | INLET VALVE                  | VS   | VACUUM SWITCH        |
| LF   | LINE FILTER                  | 3WSV | 3-WAY SOLENOID VALVE |
| MPCV | MINIMUM PRESSURE CHECK VALVE |      |                      |
| OR   | ORIFICE                      |      |                      |

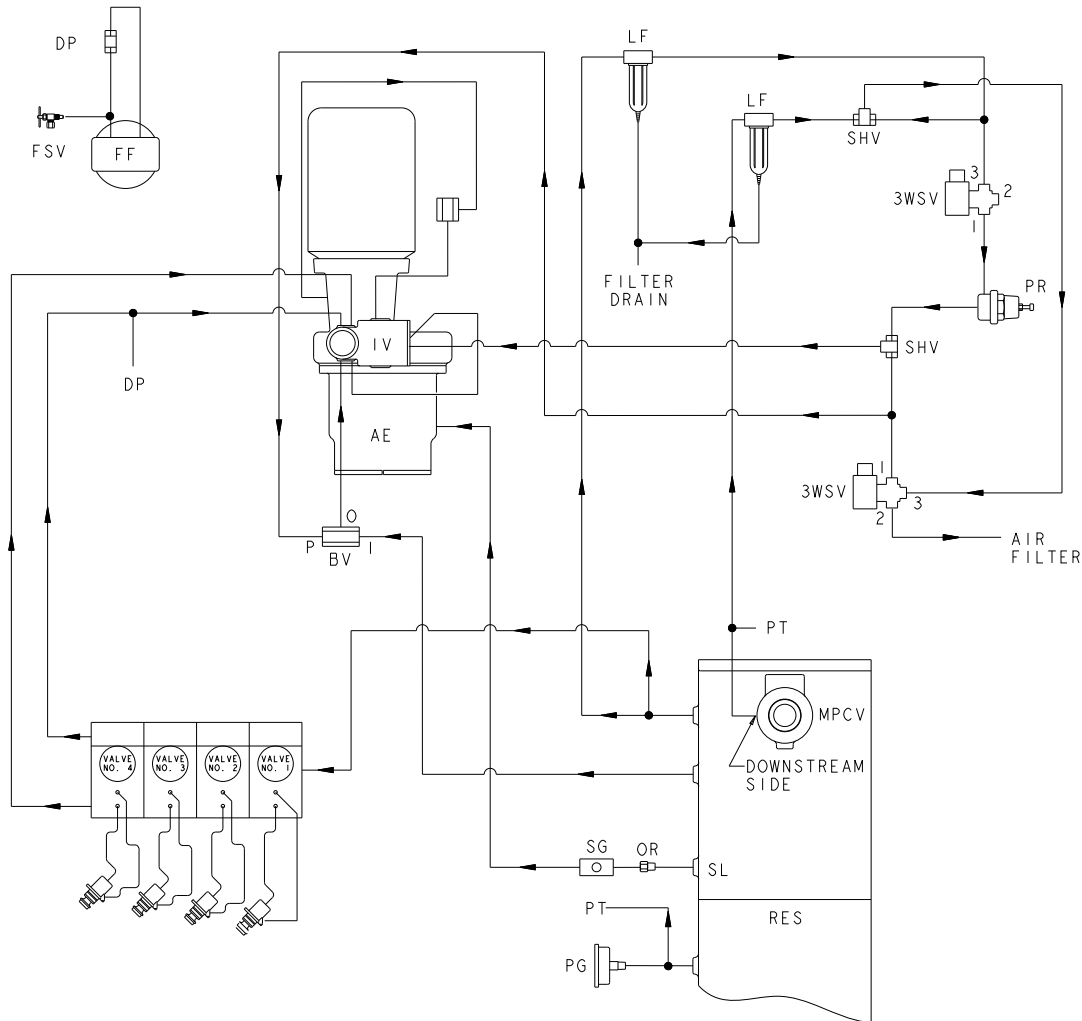
146572-1



|      |                              |      |                      |
|------|------------------------------|------|----------------------|
| AE   | AIR END                      | PG   | PRESSURE GAUGE       |
| BV   | BLOWDOWN VALVE               | PT   | PRESSURE TRANSDUCER  |
| CV   | CAPACITY VALVE               | RES  | RESERVOIR            |
| DPS  | DIFFERENTIAL PRESSURE SWITCH | SG   | SIGHTGLASS           |
| FF   | FLUID FILTER                 | SHV  | SHUTTLE VALVE        |
| FSV  | FLUID SAMPLE VALVE           | SL   | SCAVENGE LINE        |
| IV   | INLET VALVE                  | VS   | VACUUM SWITCH        |
| MPCV | MINIMUM PRESSURE CHECK VALVE | 3WSV | 3-WAY SOLENOID VALVE |
| OR   | ORIFICE                      |      |                      |

# Control Schematic (Power\$ync control)

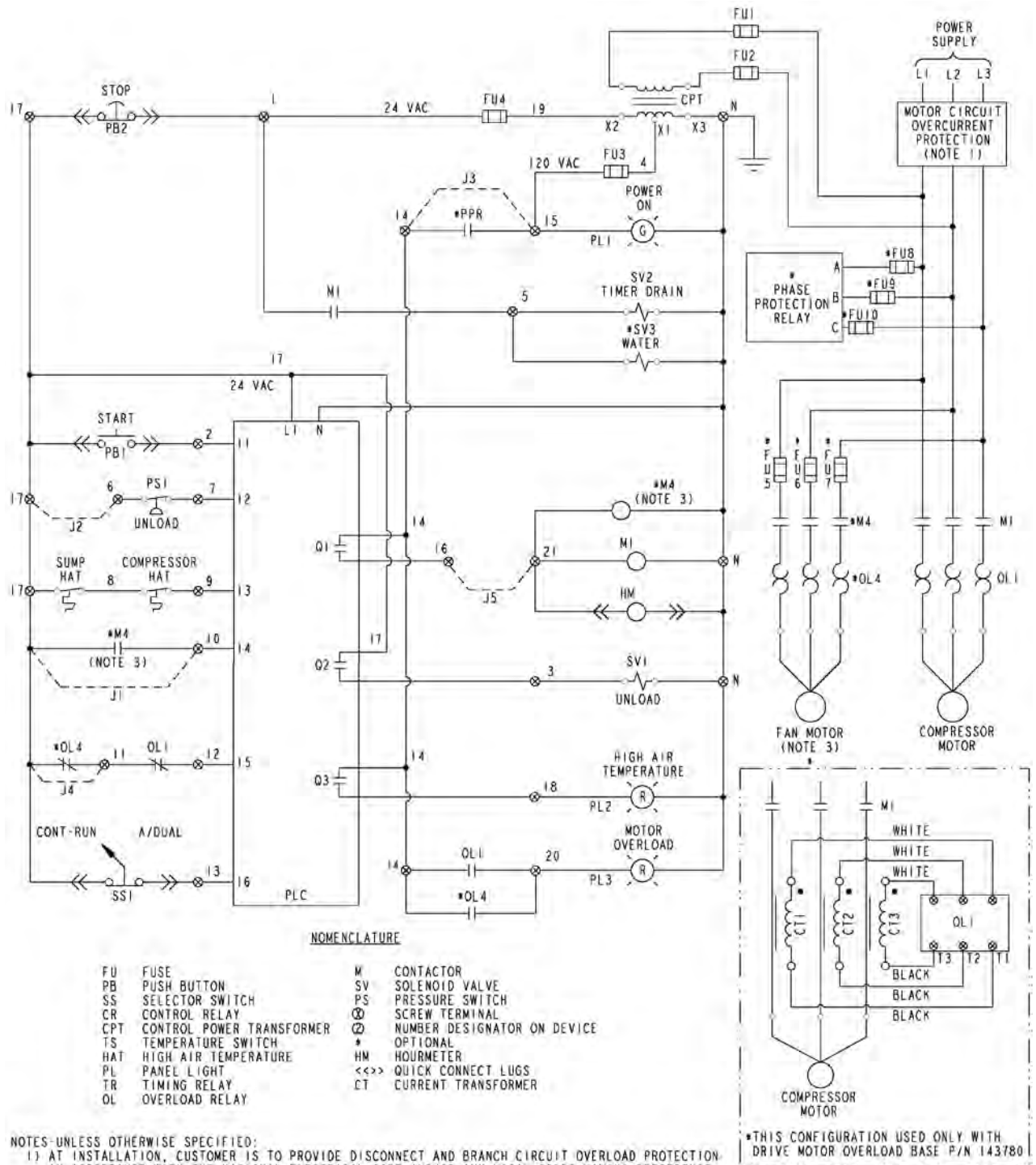
146573-1



- AE AIREND
- BV BLOWDOWN VALVE
- CV CAPACITY VALVE
- DP DIFFERENTIAL PRESSURE SWITCH
- FF FLUID FILTER
- FSV FLUID SAMPLE VALVE
- IV INLET VALVE
- LF LINE FILTER
- 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

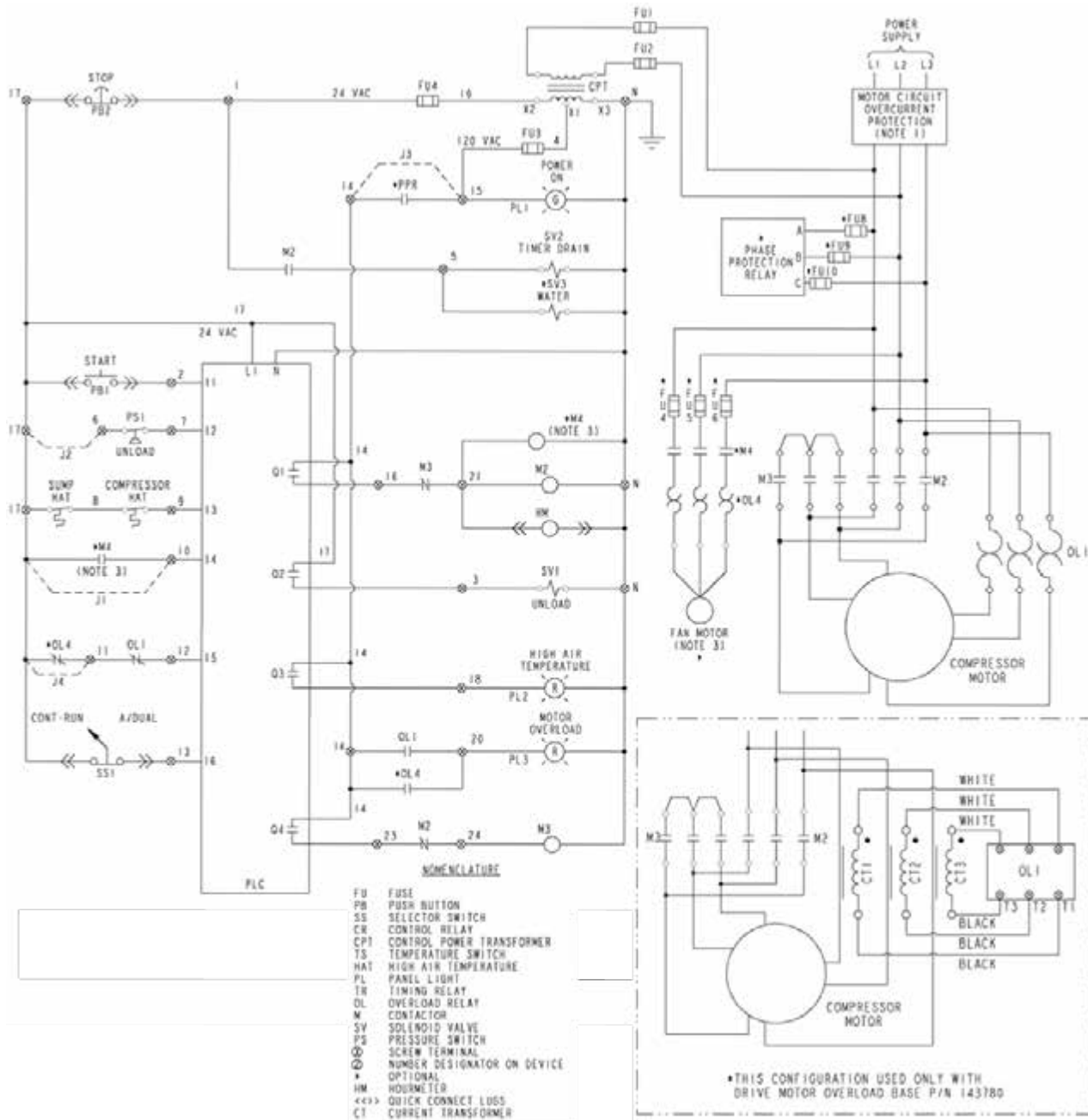
# Electrical Control Diagram (PLC, auto dual, full voltage)

WP2060A



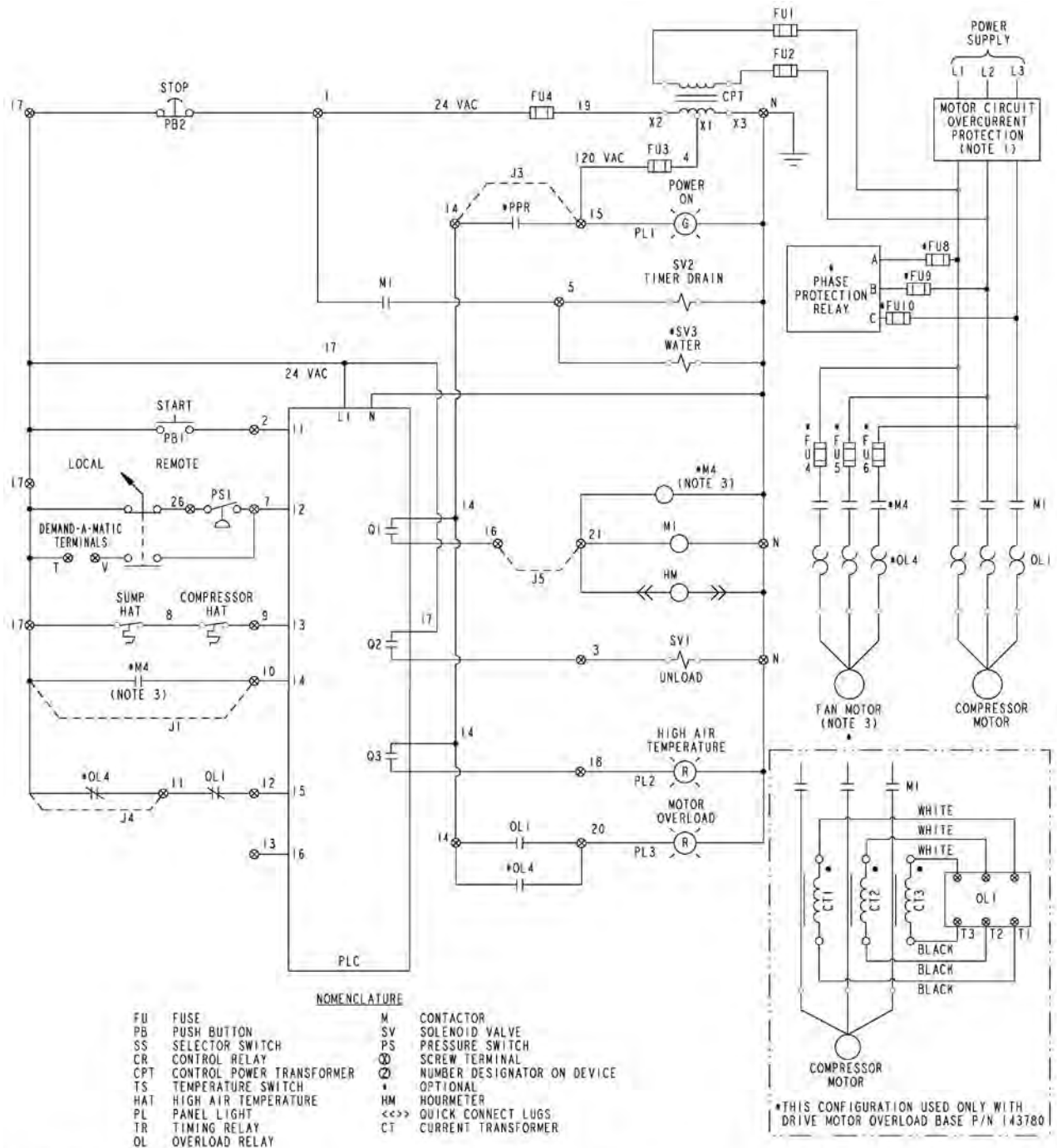
# Electrical Control Diagram (PLC, auto dual, wye-delta)

WP2060A1



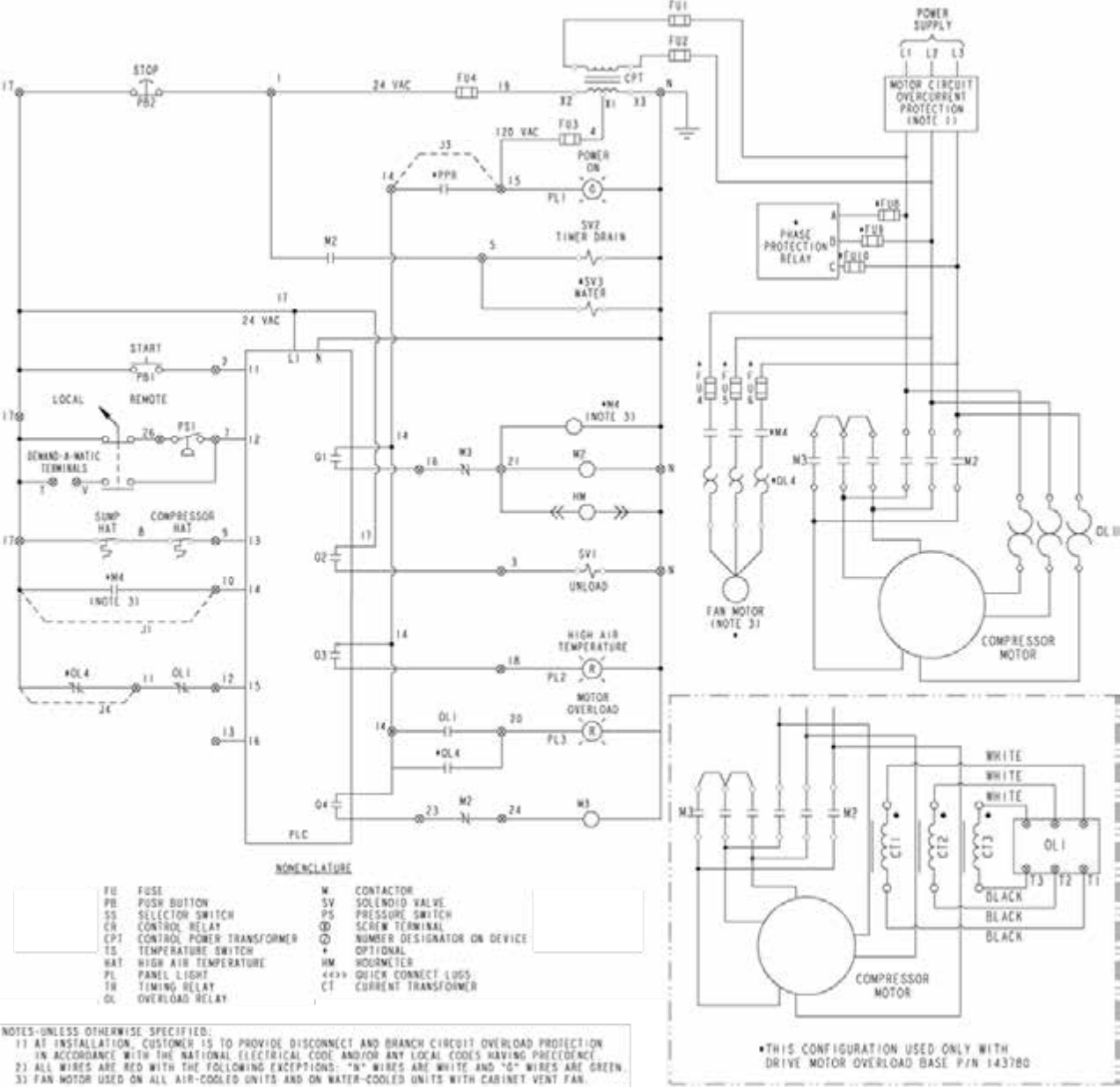
# Electrical Control Diagram (PLC, auto demand, full voltage)

WP2060B



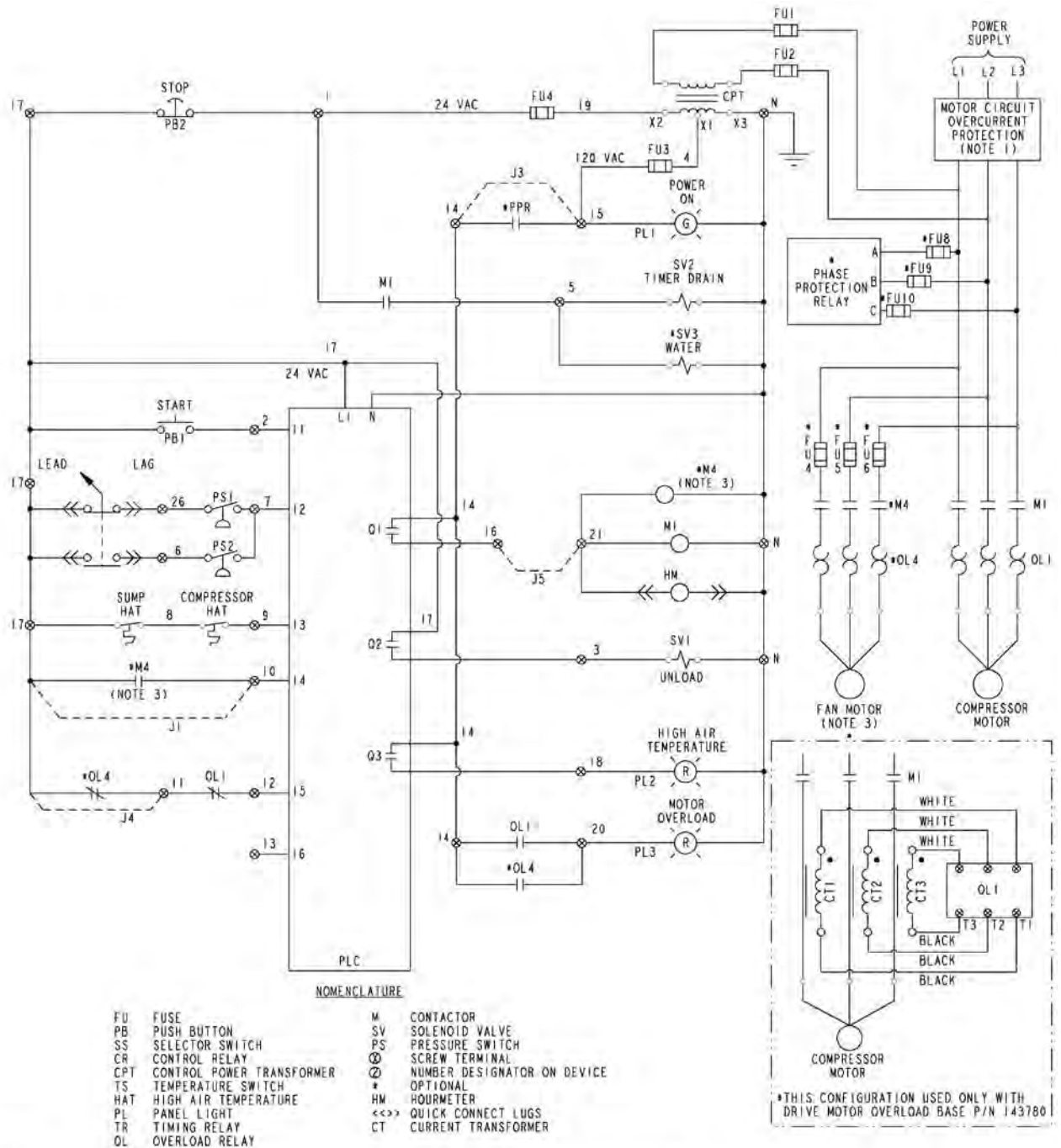
# Electrical Control Diagram (PLC, auto demand, wye-delta)

WP2060B1



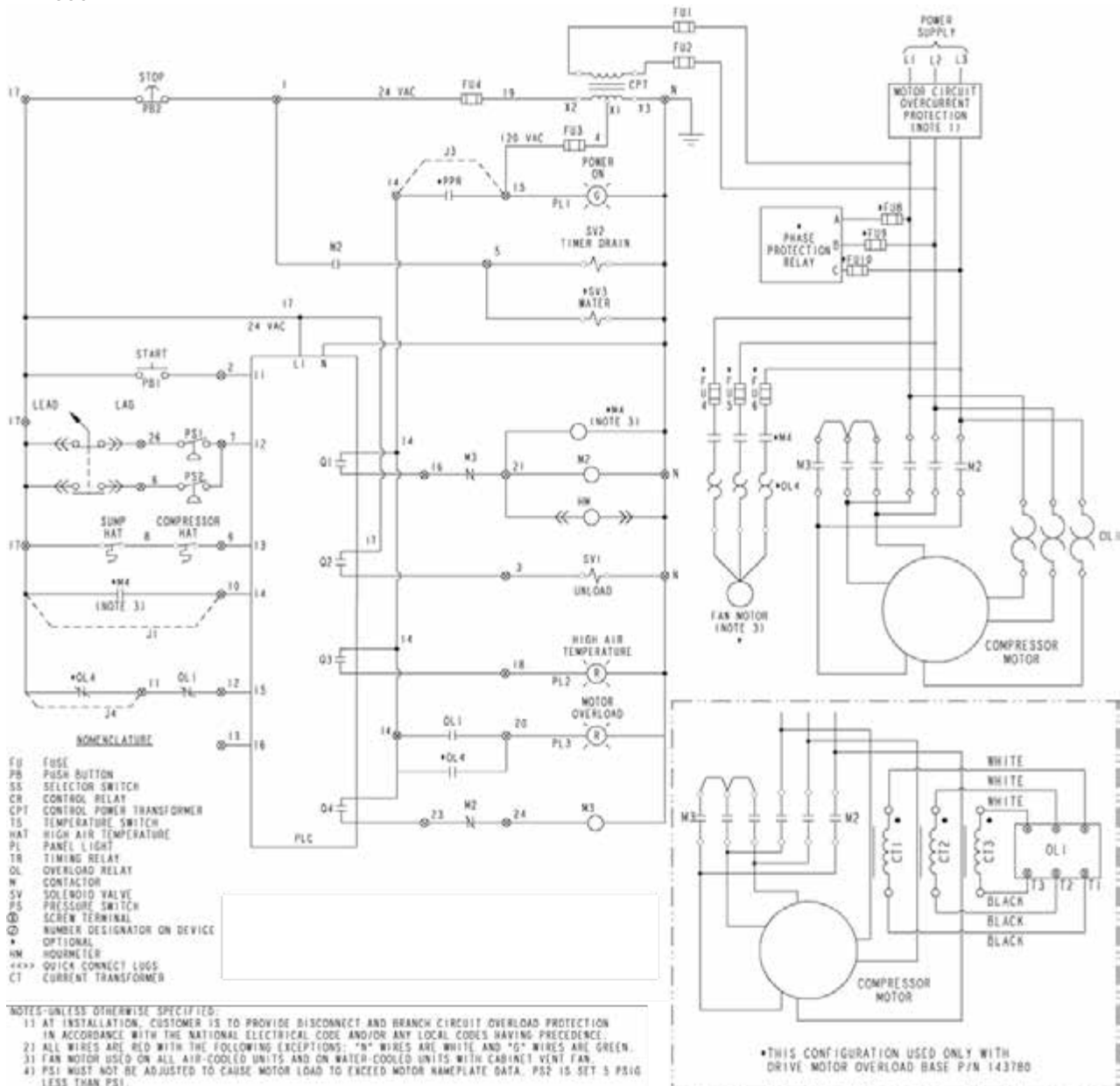
# Electrical Control Diagram (PLC, lead/lag, full voltage)

WP2060D



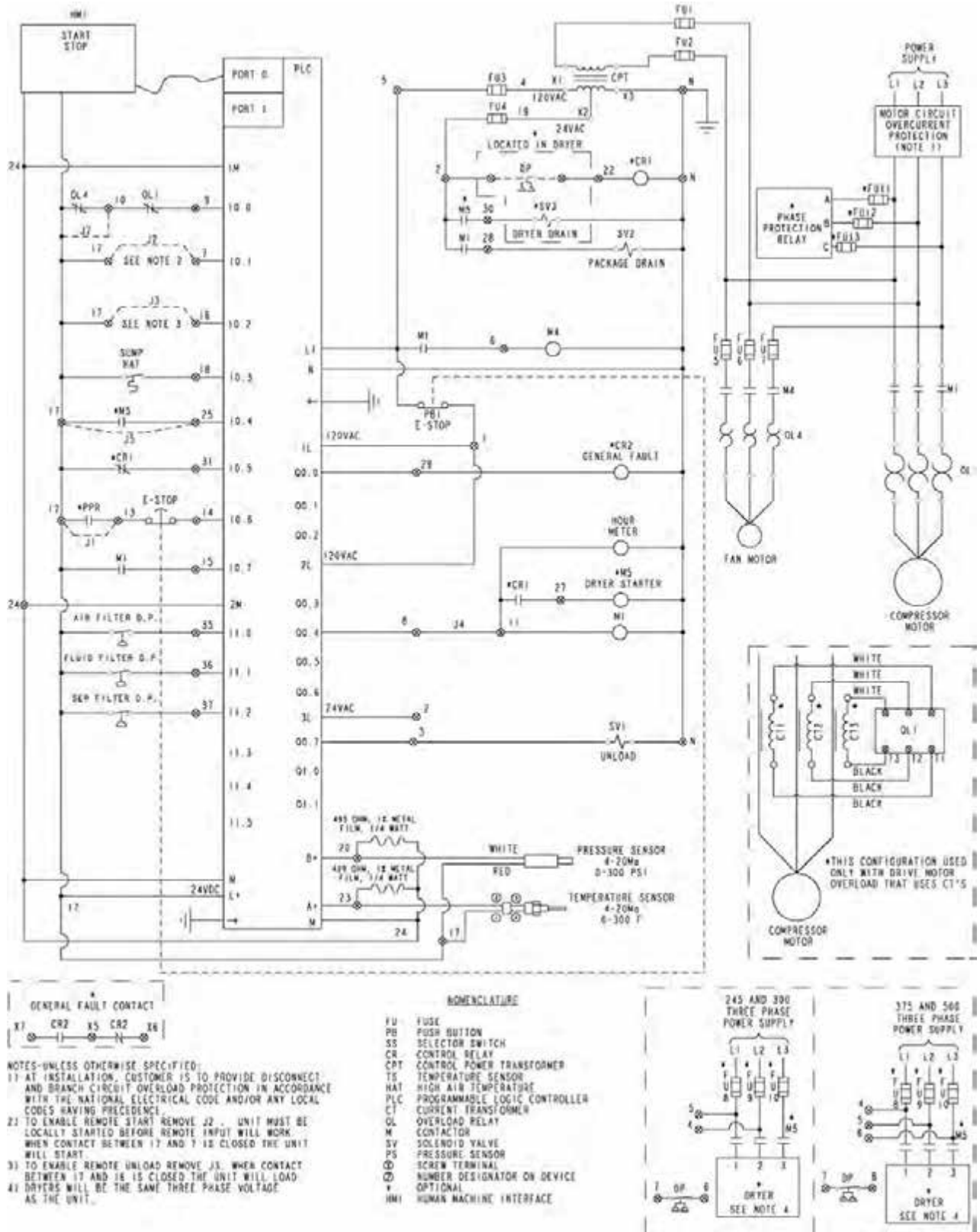
# Electrical Control Diagram (PLC, lead/lag, wye-delta)

WP2060D1



# Electrical Control Diagram (electronic control, less P\$, auto dual, full voltage)

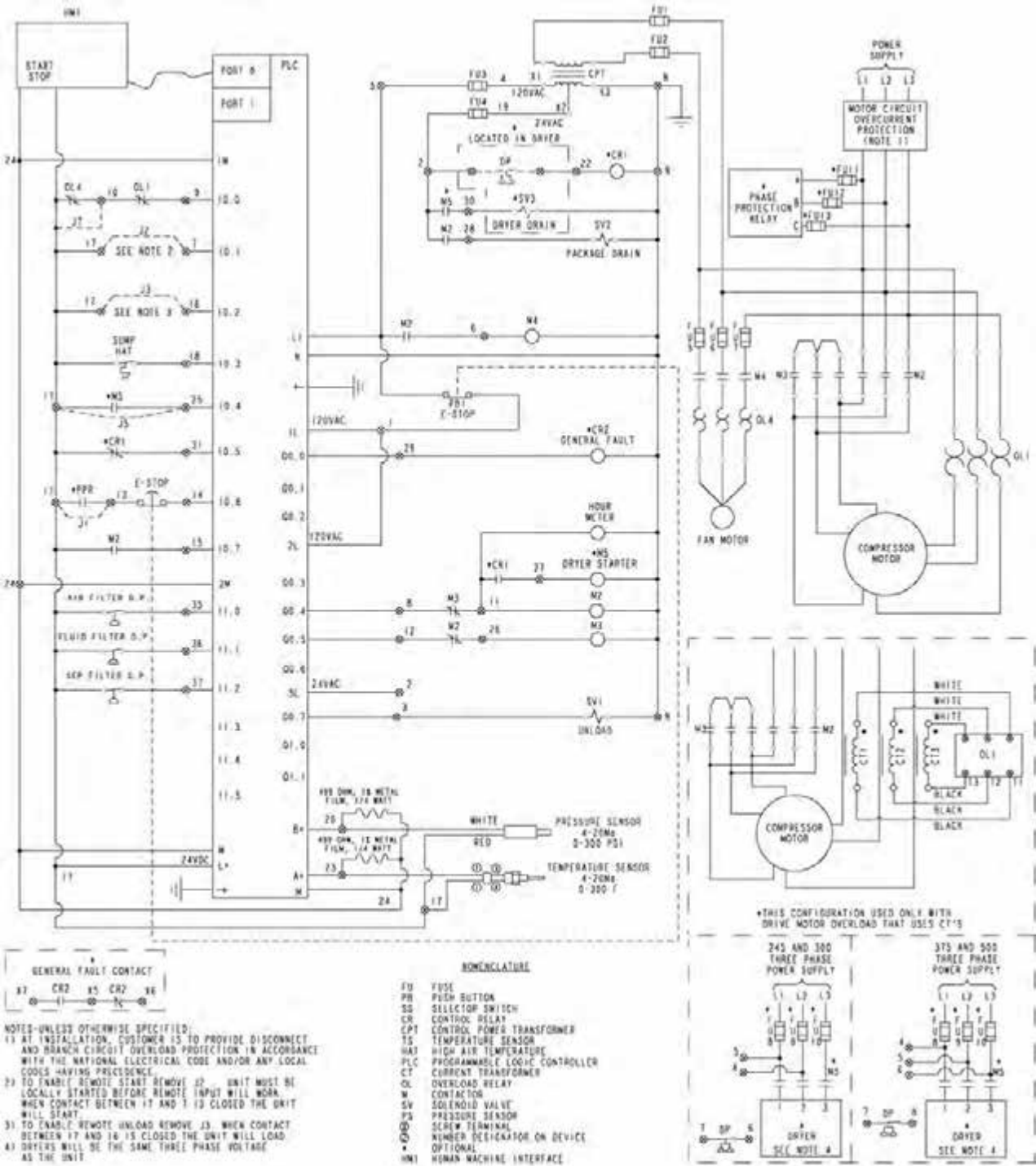
WP2048A



# Electrical Control Diagram

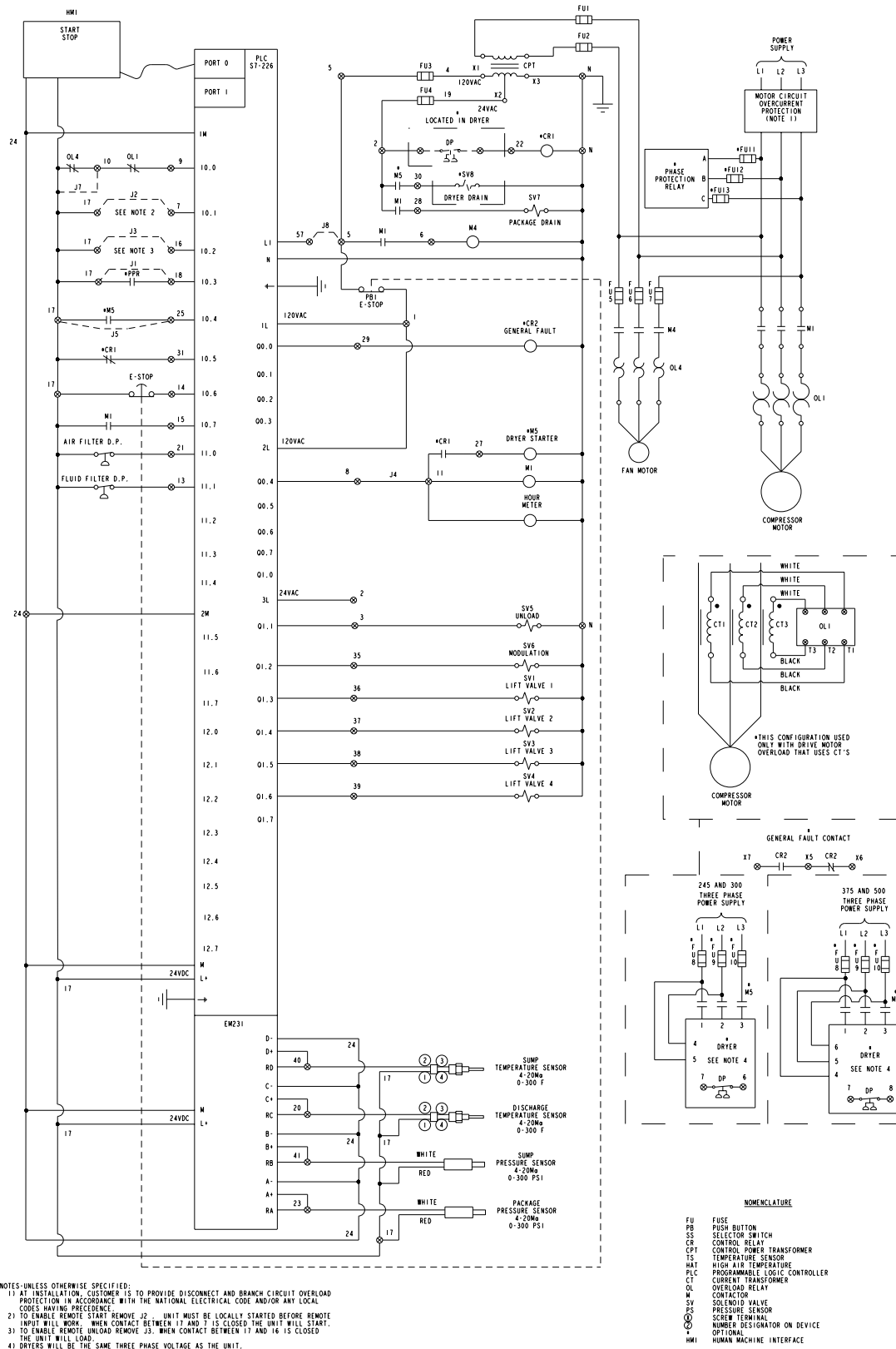
(electronic control, less P\$, auto dual, wye-delta)

WP2048B



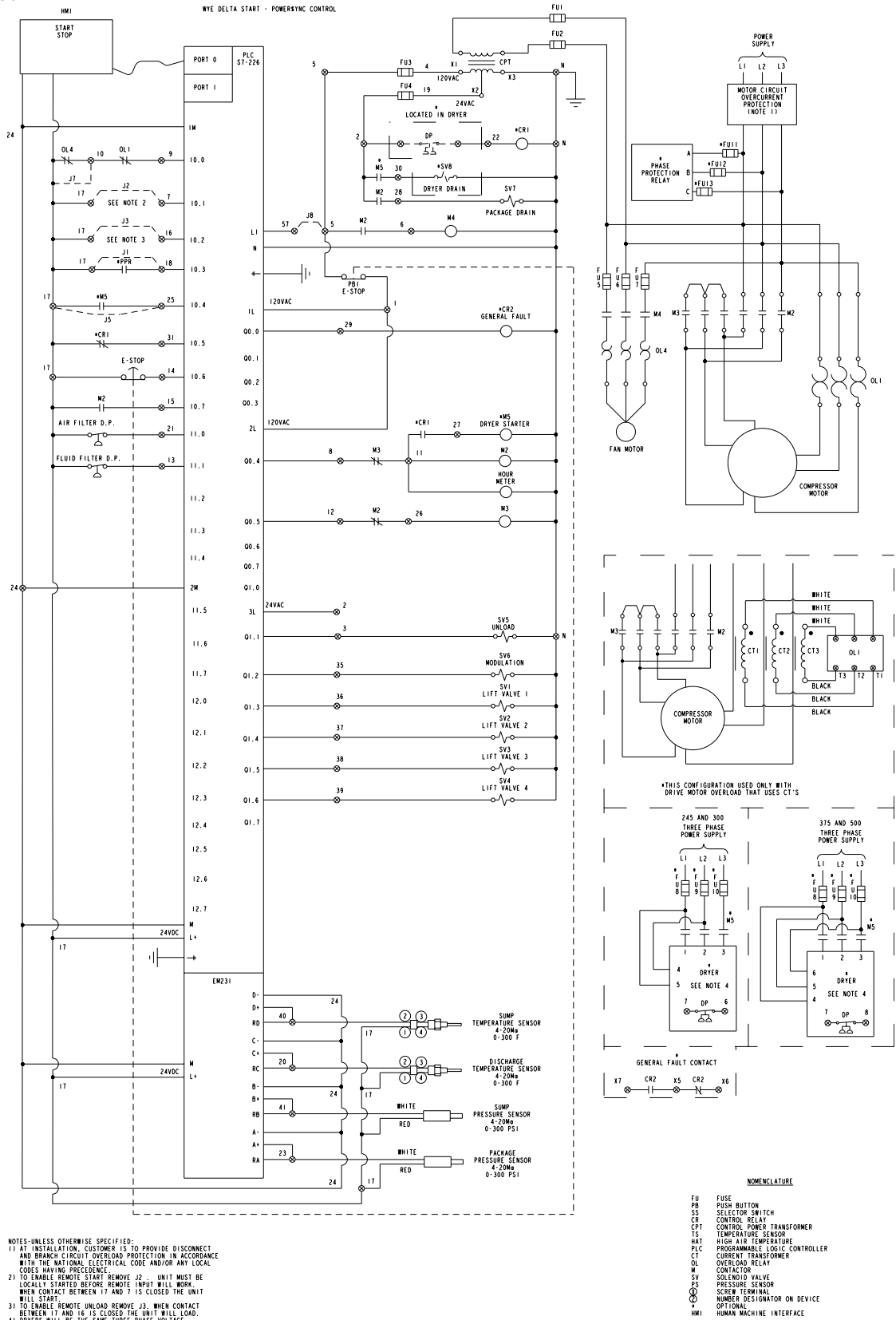
# Electrical Control Diagram (PowerSync, full voltage)

WP2063A



# Electrical Control Diagram (PowerSync, wye-delta)

WP2063B



# Standard Terms and Conditions

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## 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

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## 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.

[illegible]

## Notes





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Website: [quincycompressor.com](http://quincycompressor.com)



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