**PLATE NO. 1207AC**

**NOTES:**

1. REFER TO PUMP/ENGINE COMBINATION LIST 029-0020-52-0 TO SELECT PROPER RATIO TO MATCH PUMP WITH ENGINE.
2. WEIGHT OF STANDARD QMAX-XS 1500 GPM PUMPS AS SHOWN.
3. IMPELLER SHIFT SEAL - MECHANICAL, SEAL OR PACKING, AVAILABLE.
4. USE GRIPPER TOOLS TO FASTEN DISCHARGE PUMP HOUSING CLEARANCE REQUIRED TO REMOVE BEARING HOUSING ON MECHANICAL SEAL PUMPS. SEE FIG. 13 FOR DETAILS.
5. SHIELD NUTS INDICATED FASTERED ARE GRADE 5 ZINC PLATED STEEL.
6. FOR PUMP COOLING, AN ADDITIONAL 3/8" LINE SHOULD BE INSTALLED BETWEEN THE PUMP DISCHARGE AND BOOSTER TANK. THIS COOLING LINE SHOULD BE CONTROLLED BY A PANEL MOUNTED BALL VALVE OR CHECK VALVE (HALE P/N: 038-1550-00-0 OR EQUIV) SHOULD BE INSTALLED IN THE BOOSTER TANK END OF THE COOLING LINES.

**EXAMPLE:** THE MODEL NUMBER FOR A 1500 GPM RATE D PUMP WITH A 2.28 GEAR RATIO AND A 3X 3/8 NPT PLUG MOUNTING FACE OF THE GEARBOX = 3.8 L [4 QTS]

**STANDARD LINES AND TUBE SIZES SHOWN AVAILABLE IN 4-1/2, 3/4" AND 6 FT TUBING OPTIONS. (SEE PLATE NO. 821)**

**TANK CONNECTION:** BLANK 1-1/4, 2-1/2, 3 & 4 NPT 101.6 [4.00]

**SUCTION CONNECTION:**

- **3 NPT OR 4 NPT FLANGE**
- **CHECK VALVE AND/OR**

**MATERIAL:**

- **STEEL**
- **COPPER ALLOY 70-30 BRASS**

**SUCTION CONNECTION**

- **1-1/4, 2, 2-1/2 & 3 NPT 76.2 [3.00]

**SUCTION & DISCHARGE ADAPTERS**

- **SPECS:**
  - **FOR ADDITIONAL OPTIONS AND ACCESSORIES REFERENCE THE FOLLOWING DRAWINGS**
  - **406.4**
  - **266.7**
  - **8.50**

**SPEED CONTROL ADAPTER**

- **PL831**

**FOR OPTIONAL ACCESSORIES**

- **SPECS:**
  - **FOR ADDITIONAL OPTIONS AND ACCESSORIES REFERENCE THE FOLLOWING DRAWINGS**
  - **406.4**
  - **266.7**
  - **8.50**

**PUMP INSTALLATION**

- **HALE TYPE QMAX-XS SERIES**

**PUMP MODEL:**

- **QMAX-XS-28**
  - **403.3**

**OPTIONS:**

- **DISCHARGE FLANGES**
  - **101.6 [4.00]**

**PUMP RATING:**

- **RATED CAPACITY 1000, 1250, 1500, 1750, 2000 AND 2250 GPM; STANDARD FLANGES: THE HALE COMBINATION FLANGES ARE SIZED FOR SPICER 1600, 1700, AND 1800 SERIES FLANGES. USE (8) 3/8 DIA SAE GRADE 8 BOLTS.**

**REVISIONS:**

CFL3299 A ALL DRAWN ON FBD BOARD (3/29/99) 1:10 SCALE ONLY. ADDED MOUNTING HOLE DIMENSIONS. BEAR NG HOUSING CLEARANCE. ADDED ACCESSORIES OPTIONS TABLE.

JRP 29SEP2014 A/D

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**PL 1207A**

**HALE TYPE QMAX-XS SERIES PUMP INSTALLATION**