WARNING!

EXCEEDING THESE LIMITS OR FAILING TO FOLLOW THE RECOMMENDATIONS OUTLINED ON THIS DRAWING COULD DAMAGE THE GEARBOX AND RESULT IN PERSONAL INJURY.

RSD-J PUMP SPECIFICATIONS:
- MAXIMUM HYDRODYNAMIC PRESSURE = 400 PSIG (2.76 MPa)
- MAXIMUM HYDROSTATIC PRESSURE (IRON) = 450 PSIG (3.14 MPa)
- MAXIMUM HYDROSTATIC PRESSURE (BRONZE) = 500 PSIG (3.45 MPa)
- MAXIMUM POWER INPUT FOR PUMPING = 300 HP

MAXIMUM TORQUE ON PUMP SHAFT - 2300 LBS-FT.
MAXIMUM POWER INPUT FOR PUMPING - 300 HP

MAXIMUM HYDROSTATIC PRESSURE (BRONZE) = 500 PSIG [3.45 MPA]
MAXIMUM HYDROSTATIC PRESSURE (IRON) = 600 PSIG [4.14 MPA]
MAXIMUM HYDRODYNAMIC PRESSURE = 400 PSIG [2.76 MPA]

RSD-J INSTALLATION DRAWING

PUMP RATIOS

1) TO CONFORM TO NFPA 1901, APPARATUS MANUFACTURE MUST INSTALL SHIFT AND THROTTLE CONTROL INDICATOR LIGHTS ON THE DRIVING COMPARTMENT AND OPERATOR'S PANEL AS PER INDIVIDUAL NFPA REQUIREMENTS. CONSULT LATEST VERSION OF NFPA STANDARDS FOR DETAILS.
2) ALL MOUNTING SCREWS TO BE MINIMUM SAE GRADE 5, UNLESS OTHERWISE SPECIFIED.
3) ALL FASTENERS SHALL BE INSTALLED WITH A THREADLOCKING ANABORIC ADHESIVE/SEALANT. LOCTITE OR EQUIVALENT.
4) PUMP VOLUME IS FURNISHED IN THE VERTICAL POSITION STANDARD. VOLUME CAN ALSO BE FACTORY CONFIGURED. SEE POSITIONS BELOW. CUSTOMER CAN ROTATE VOLUME IN 30 DEGREES INCRIEMENTS. THIS MAY REQUIRE relocATING COOLING LINES, DRAINS, PRIMING TAP AND REPLACING VOLUME GASKET.
5) APPROXIMATE OIL CAPACITY: 2 QUARTS (1.3L). CAPACITY IS FOR REFERENCE ONLY; ALWAYS FILL TO BOTTOM OF OIL LEVEL PLUG WITH SAE 50 SYNTHETIC, 80W-90, 75W-80 OR ISO 68 SYNTHETIC.
6) MODEL WEIGHT: 430 LBS (195.04 KG).
7) DIMENSIONS ARE IN INCHES AND MILLIMETERS.
8) REFER TO PLATE NO. 1201 FOR PUMP CROSS-SECTION.
9) ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

DRIVE LINE RECOMMENDATIONS:

- APPARATUS BUILDER SUPPLIED DRIVE SHAFT SHALL BE OF APPROPRIATE SIZE TO MATCH THE CHASSIS AND PUMP REQUIREMENTS WITH INDIVIDUAL JIANT JOINT AND PHASING. DRIVE SHAFT BALANCE (INCLUDING YOKES) SHALL NOT EXCEED THE APPARATUS BUILDER SUPPLIED." 

NOTE:

HALF RSD-J PUMP IS AVAILABLE WITH MULTIPLE DRIVE RATIOS TO ADAPT TO A WIDE VARIETY OF APPLICATIONS (SEE RATIO CHART). THE RATINGS, RATIOS AND DRIVE UNIT TYPE DETERMINE THE MODEL NUMBER, FOR EXAMPLE:

RSD-J IDENTIFICATION (GPM)

THE MODEL NUMBER FOR AN RSD-J RATED AT 1000 GPM WITH A DRIVE RATIO OF 2.16 AND HALF DRIVE UNIT WOULD BE:

PUMP TYPE: 1000 GPM
RATIO DRIVE TYPE: 2.16 = 21
RATED CAPACITY - GPM

BE SURE TO INCLUDE THE NUMBER AND SERIAL NUMBER WHEN ORDERING PARTS OR REQUESTING INFORMATION. THE MODEL / SERIAL NUMBER PLATE IS LOCATED ON THE BOTTOM OF GEAR DRIVE AS SHOWN IN DRAWING:

PLATE NO. 1201AB (SHEET 1 OF 2)