

# PUMPS

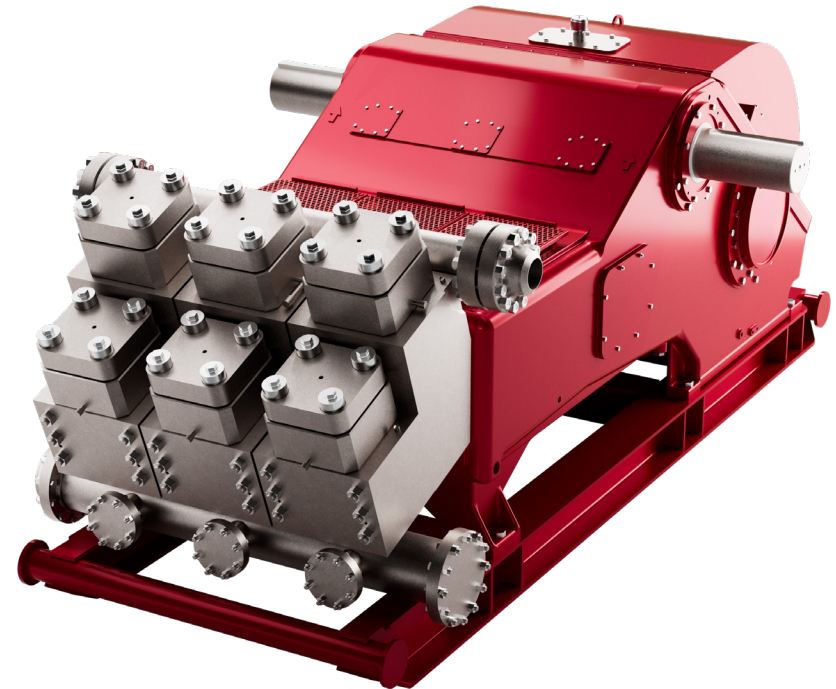


## PZ 2400 DRILLING MUD PUMP

GD Energy Products' PZ 2400 is the most powerful drilling mud pump available today. With 10% more horsepower, 30% less weight and a smaller footprint than that of competing pumps, the PZ 2400 is the drilling pump of the future. Packaged with our patented, severe duty, Y-Shaped fluid modules and consumables, customers can expect unmatched performance while lowering their total cost of ownership.

### SPECIFICATIONS

|               |                                   |
|---------------|-----------------------------------|
| Maximum Input | 2,400 BHP (1,790 kW)              |
| Maximum RPM   | 110 RPM                           |
| Stroke Length | 14 in. (356 mm)                   |
| Piston Load   | 185,000 lbs. (822,921 N)          |
| Pump Weight   | 63,500 lbs. (28,803 kg) with skid |
| Gear Ratio    | 4.033:1                           |



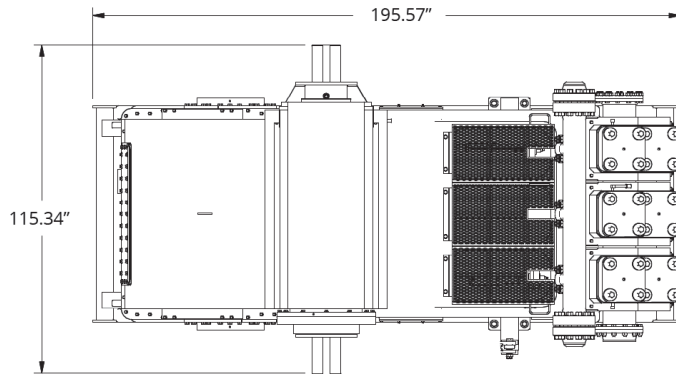
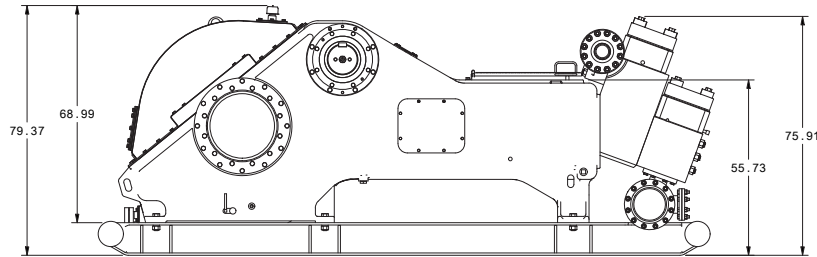
| PISTON CYLINDER |     | DISPLACEMENT - DRILLING SERVICE |        |                   |      | MAXIMUM PSI |     | PUMP RPM | JACKSHAFT RPM |
|-----------------|-----|---------------------------------|--------|-------------------|------|-------------|-----|----------|---------------|
| DIAMATER        |     | PER REVOLUTION                  |        | MAXIMUM FLOW RATE |      | PSI         | bar |          |               |
| in.             | mm. | Gallons                         | Liters | GPM               | LPM  | PSI         | bar |          |               |
| 9*              | 229 | 11.57                           | 43.78  | 1272              | 4816 | 2908        | 201 | 110      | 444           |
| 8.5             | 216 | 10.32                           | 39.06  | 1135              | 4296 | 3260        | 225 |          |               |
| 8               | 203 | 9.14                            | 34.60  | 1005              | 3806 | 3680        | 254 |          |               |
| 7.5             | 191 | 8.03                            | 30.41  | 884               | 3345 | 4188        | 289 |          |               |
| 7               | 178 | 7.00                            | 26.49  | 770               | 2914 | 4807        | 331 |          |               |
| 6.5             | 165 | 6.03                            | 22.84  | 664               | 2512 | 5575        | 348 |          |               |
| 6               | 152 | 5.14                            | 19.46  | 565               | 2141 | 6543        | 451 |          |               |
| 5.5             | 140 | 4.32                            | 16.35  | 475               | 1779 | 7500        | 517 |          |               |
| 5               | 127 | 3.75                            | 13.51  | 393               | 1487 | 7500        | 517 |          |               |

Ratings are based on 90% mechanical efficiency and 100% volumetric efficiency  
\*Contact GD Energy Products engineering for application review and approval

# PZ 2400

## DRILLING MUD PUMP

### SPECIFICATIONS



NOTE: Installation drawing shown with our patented severe duty Y-Shaped fluid module geometry.

### STANDARD FEATURES

- 14" stroke maximizing flow at higher pressures
- Rated at 7,500 psi, and with an industry-leading power end track record, makes the PZ 2400 an ideal choice for both superspec rigs and rigs upgrades
- Standard Redline™ expendables, meaning fewer repairs and more predictable maintenance intervals
- Patented, severe duty, Y-Shaped fluid modules
- High-strength cast power frame, eccentric connecting rods and crossheads
- Full roller bearing construction
- Heat-treated alloy steel, doublehelical AGMA drive gears
- Double extended jackshaft for mounting sheaves or sprockets
- Replaceable bronze crosshead slides
- Fabricated, log-style suction manifold

### OPTIONAL FEATURES

- Steel transportation and placement skid (for pump only)
- Large skid with nonslip decking
- Centrifugal suction charging pump
- Oil pump assembly for power end lubrication
- Suction stabilizer
- Discharge dampener
- Quick change liner retention and rod systems
- Clear Lexan covers on hood inspection ports
- Custom packaging