W-2250

A 2250 horsepower 8” stroke intermittent duty single acting well service plunger pump. Equipped with forged alloy steel mono-block fluid end and rated at pump speeds up to 250 RPM and maximum discharge pressures in excess of 19,000 psi. Equipped with external gear reduction unit.

Power End Features

- Alloy steel power frame
- Helical gears
- Roller main bearings
- Allow steel crankshaft
- Replaceable bronze crosshead guides
- Spherical roller pinion bearings

Fluid End Features

- Alloy steel mono-block forging
- Autofrettaged fluid block
- Multiple discharge ports
- Mechanical oil drip packing lubricator
- Integral valve cover threads
- Optional Air/Hydraulic packing lubricator
- *2” 1502 Discharge connection
- **3” 1502 Discharge connection
- Roughneck/service master II valves and seats
W-2250 Triplex Plunger Pump

Specifications

Pump Type:
Intermittent Duty Reciprocating Pump

Maximum Input Horsepower:
2250 Intermittent

Stroke Length:
8 inches

Maximum Rod Load:
250,000 lbs.

Approximate Weight:
11,500 lbs.

Pump Power End:
Fabricated of High-Strength Alloy Steel

Gears:
Helical

Gear Ratio:
6.35:1

Rod Bearings:
Shell Type Replaceable

Main Bearings:
Straight Roller

Pinion Bearings:
Spherical Roller

Crankshaft:
Alloy Steel Nitrided

Connecting Rod:
One Piece Forged Steel

Crosshead:
Cast Steel

Crosshead Guide:
Bronze Replaceable

Fluid-End:
Plunger Type Mono-Block Design

Plunger Diameter:
4 to 7.5 inches

Discharge Connection:
2-inch 1502 Half Union

Forged Steel Connection - Either Side

Suction:
6-inch Pipe

Valves and Seats:
Service Master™ II

Power End Lubrication:
35 GPM Required. Optional Hydraulic Lubrication System w/Sump Available

Packing Lubrication:
Optional Air Driven Air/Oil or Mechanical Oil Drip System Available

Pump Model | Flange Connections
--- | ---
W-2250 | Discharge Connection Sizes | Suction Connection Sizes
2 (50.8) 1502 Half Union | 6 (152.4) Grooved Pipe
3 (76.2) 1502 (Optional)

Dimensions (Inches)

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<th>FE Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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### Performance Data

<table>
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<tr>
<th>Plunger Diameter</th>
<th>Displacement Factors* @ 100% V. E.</th>
<th>Pump Speed in Crankshaft Revolutions Per Minute (RPM)</th>
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Input Power | Brake Horsepower | @ 6.35:1 Gear Ratio |
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* V.E. = VOLUMETRIC EFFICIENCY, **BHP (Brake Horsepower) is based on 85% Mechanical Efficiency

The information and data on this sheet is accurate to the best of our knowledge and belief, but are intended for general information only. Applications suggested for the materials are described only to help readers make their own evaluations and decisions, and are neither guarantees nor to be construed as express or implied warranties of suitability for these or other applications. National Oilwell makes no warranty either express or implied beyond that stipulated in National Oilwell Standard Terms and Conditions of Sale.
Accessories

Rotating Right offers a full line of accessories to ensure long trouble free and safe operation of your multiplex pumps.

**Accessories Include:**
- Pulsation Dampeners - Suction & Discharge
- Vibration Shock Switches
- Liquid Level Gauges & Switches
- Pressure Safety Valves
- Plunger Lubricators
- Fire Safety Valves
- High Discharge Pressure Switch
- Condensate Drain
- N.A.C.E. Valving
- Lubricator Level Controller
- API Valves
- Drive Options

Expendables

With our worldwide buying power Rotating Right is well equipped to provide a wide range of replacement parts & expendables for virtually all multiplex plunger pumps regardless of make or model. Our expendables inventory includes plungers, packing, brass, valves, bearings, crankshafts, connecting rods and seals.

Repair & Overhauls

Rotating Right service technicians follow strict quality control procedures for every pump repair and overhaul. The use of consistent and reliable re-manufacturing techniques ensure your equipment is returned to you in “Like New” condition.