TGH Triplex Well Servicing Pump

WELL SERVICING

400 HP, 8" Stroke for Intermittent Service

Gardner Denver TGH heavy-duty well servicing pumps are built for outstanding performance in a rugged environment.

- Eccentric construction
- Right or left-hand drive extension
- Pressure lubrication of power end
- Clamp type connections between plungers and push rods
- Bolted type stuffing boxes

- Non-adjustable type packing
- Suction and discharge on either side
- Total gear ratio: 10:15 to 1 (standard)

| PERFORMANCE RATINGS – INTERMITTENT SERVICE | | | | | | | | | | | | | |
|--|--------------|------------------|------|-----------|--------|-----------------------------|-------|-----------|--------|-----------|-------|-----------|------------|
| Pump RPM | Input RPM | PISTON* DIAMETER | | | | PLUNGER OR PISTON* DIAMETER | | | | | | | |
| | | 5 IN | | 172 MM | | 4 1/2 IN | | 114 MM | | 4 IN | | 102 MM | |
| | | GPM | PSI | LPM | KG/CM2 | GPM | PSI | LPM | KG/CM2 | GPM | PSI | LPM | KG/ CM2 |
| 175 | 1776 | 357.0 | 1632 | 1351 | 114.7 | 289.2 | 2015 | 1095 | 141.7 | 228.5 | 2551 | 865 | 197.4 |
| 150 | 1522 | 306 | 1904 | 1158 | 133.9 | 247.8 | 2351 | 938 | 165.3 | 195.8 | 2976 | 741 | 209.2 |
| 125 | 1268 | 255 | 2285 | 965 | 160.7 | 206.5 | 2822 | 782 | 1984 | 163.2 | 3571 | 618 | 251.1 |
| 100 | 1015 | 204 | 2857 | 772 | 200.9 | 165.2 | 3527 | 625 | 248.0 | 130.6 | 4464 | 494 | 313.9 |
| 75 | 761 | 153 | 3809 | 579 | 267.8 | 123.9 | 4703 | 469 | 330.7 | 97.9 | 5952 | 371 | 418.5 |
| 50 | 507 | 102 | 4000 | 386 | 281.2 | 82.6 | 7054 | 313 | 496.0 | 65.3 | 8928 | 247 | 627.7 |
| 34 | 345 | 69.4 | 4000 | 263 | 281.2 | 56.2 | 10000 | 213 | 703.1 | 44.4 | 10000 | 168 | 703.1 |
| Displacement per Revolution | | 2.040 GAL | | 7.722 LIT | | 1.652 GAL | | 6.254 LIT | | 1.306 GAL | | 3.922 LIT | |

Based on 85% mechanical efficiency and 100% volumetric efficiency.

Note: Use plungers/packing for acid service or pressures in excess of 4,000 PSI. Pistons/liners are not recommended for these applications.

^{*}Piston and liner construction available in 2 3/4", 3", 3 1/2" and 4" only.

^{**}The duty cycle of a pump rated for intermittent duty is not to exceed 30 minutes at loads above the maximum established for continuous running followed by and equal period at no load.

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STANDARD FEATURES

- Colmonoy plungers and packing or piston and liner construction
- Hardened forged steel dual stem guided valves with urethane inserts
- Three piece block steel fluid cylinders
- Fabricated suction and discharge openings
- · Lubricating oil pump and filter

- External gear reduction
- Auxillary crosshead lubrication system
- · Cast iron suction manifold
- Companion flanges on suction discharge
- · Water to oil heat exchanger

OPTIONAL FEATURES

- Mechanical lubricator for plunger stuffing box packing
- Suction and discharge surge chambers
- Relief valve
- Fabricated steel skid and motor or engine

- Rod washing system (mounted only on unitized packages)
- Fabricated suction manifold
- Hardened steel plungers

CRANKCASE OIL CAPACITY: 30 gallons (114 liters) **SUCTION OPENING:** 6" (152 mm) 150# welding flange

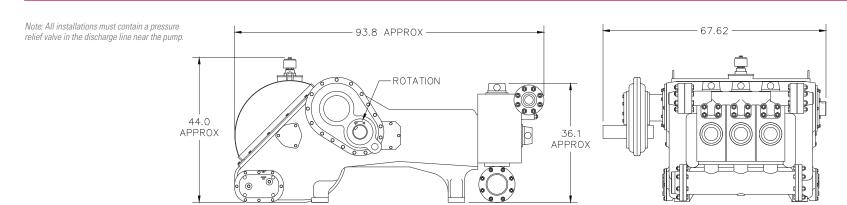
DISCHARGE CONNECTION: 2 9/16" (66 mm) weld neck API 10,000# PSI beveled for

welding either side

LENGTH: 93.2" (1230mm) **HEIGHT**: 51.5" (1310mm)

WEIGHT: Dry, less optional skid: 9,360 lbs (4,246 kg)

SPECIFICATIONS





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