

ROTATING RIGHT

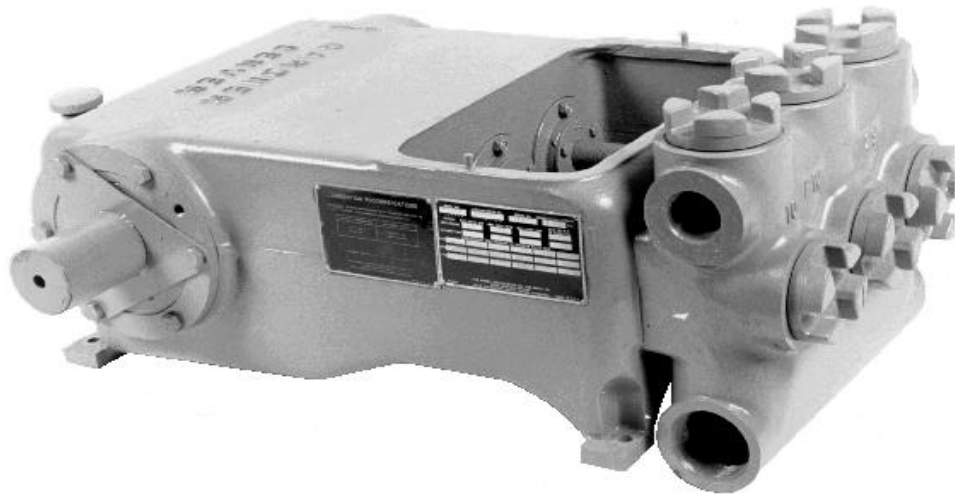
GARDNER DENVER TECHNICAL DATA SHEETS



TQC (GD-55T) CONTINUOUS DUTY PLUNGER PUMP

SPECIFICATIONS:

Maximum BHP: 52.5 (39 kw)
Maximum RPM: 400
No. of Plungers: 3
Stroke Length: 3 in. (76 mm)
Plunger Load: 5,200 lbs. (2,360 kg)
Discharge Hydrostatic Test Pressure
 LP – 3,300 psi (232 kg/cm²)
Oil Capacity: 6.5 gal. (25 liters)
Pump Weight: 970 lbs. (440 kg)



PERFORMANCE RATINGS

| Plunger Size | | Maximum Pressure | | Displacement per revolution | | Gallons Per Minute/Liters at the following RPM: | | | | | | | |
|---|----|------------------|--------------------|-----------------------------|--------|---|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | 200 | | 300 | | 350 | | 400 | |
| in. | mm | PSI | kg/cm ² | gal. | liters | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM |
| LP ALUMINUM BRONZE (TQCD) AND LP CARBON STEEL (TQCB) FLUID ENDS | | | | | | | | | | | | | |
| 3.00 | 76 | 735 | 52 | 0.275 | 1.041 | 55 | 208 | 83 | 312 | 96 | 364 | 110 | 417 |
| 2.75 | 70 | 875 | 62 | 0.231 | 0.874 | 46 | 175 | 79 | 262 | 81 | 306 | 93 | 350 |
| 2.50 | 64 | 1060 | 75 | 0.191 | 0.723 | 38 | 145 | 57 | 217 | 67 | 253 | 76 | 290 |
| 2.25 | 57 | 1310 | 92 | 0.155 | 0.587 | 31 | 117 | 47 | 176 | 54 | 205 | 62 | 235 |
| 2.00 | 51 | 1655 | 116 | 0.122 | 0.462 | 24 | 92 | 37 | 139 | 43 | 162 | 49 | 185 |
| 1.75 | 44 | 2100 | 152 | 0.094 | 0.356 | 19 | 71 | 28 | 107 | 33 | 125 | 38 | 142 |

Based on 90% mechanical efficiency and 100% volumetric efficiency.
For applications within shaded area contact Customer Service.

Specifications subject to change without notice.



TQC (GD-55T) CONTINUOUS DUTY PLUNGER PUMP

STANDARD EQUIPMENT

- Oil level gauge.
- Crankshaft type construction.
- Double-extended crankshaft 2.62" (6.65 mm) dia., 4.12" (10.46 mm) long.
- Keyway (L x W x H) 3.47" x .625" x .36" (8.81 x 1.59 x .91 mm).
- Turbo lubrication.
- Suction and discharge connections on either side.
- Stainless steel clamp connections between plungers and push rods.
- Removable stuffing boxes with threaded glands.
- Cradle cover.
- Colmonoy, ceramic, or tungsten carbide plungers.
- Disc style aluminum bronze, stainless steel, or monel valves.
- Wing-guided aluminum bronze, steel, or stainless steel valves.
- Non-adjustable packing standard. Kevlar or double stack packing optional.

ACCESSORIES

- Mechanical lubricator for stuffing box packing.
- Suction stabilizers.
- Discharge pulsation dampeners.
- Discharge pressure relief valve.
- Fabricated steel skid under pump and drive.
- V-belt drive assembly.
- Totally enclosed metal belt guard (OSHA approved).
- Valve seat puller.
- Valve seat driver.
- Valve cage wrench.
- Companion flanges.

| | Suction Manifold | Discharge Manifold |
|------|------------------|--------------------|
| TQCD | 3" NPT | 2" NPT |
| TQCB | 3" 900# RJT | 2" 1500# RJT |

Note: All installations must contain a pressure relief valve in the discharge line near the pump to help prevent breakage.

Dimensions: Length 42.75", Width 32.25", Height 17.88"

MATERIAL SPECIFICATIONS

| SERVICE | TYPE | CYLINDER | PACKING | STUFFING BOX | COMPONENT | MATERIAL |
|---------|--------------|----------------------------------|----------------------------|----------------------------------|------------------|-------------------------------|
| TQCD | Low Pressure | ASTM B-148-9D Aluminum Bronze | Buna-N Non-Adjustable Type | ASTM B-148-9D Aluminum Bronze | Crankshaft | Cast Nodular Iron |
| | | | | | Connecting Rods | Cast Nodular Iron |
| TQCB | Low Pressure | AISI 1035 Carbon Steel | Buna-N Non-Adjustable Type | AISI 1035 Carbon Steel | Bearing-Main | Tapered Roller |
| | | | | | Bearing-Crankpin | Steel Lined with Tin & Babbit |

*Materials listed are furnished as standard equipment. Alternate materials available upon request.



Head Office:
6120 Davies Road
Edmonton, AB
T6E 4M9

Phone: (780) 485-2010 • Toll Free: (866) 707-7867
Fax: (780) 485-1938
• Calgary • Drayton Valley • Lethbridge
www.rotatingright.com