



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	69	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.



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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 Connecting Rods	Cast Nodular Iron Cast Nodular Iron
TQCB	Low Pressure	AISI 1035 Carbon Steel	Buna-N Non-Adjustable Type	AISI 1035 Carbon Steel	Bearing-Main Bearing-Crankpin	Tapered Roller Steel Lined with Tin & Babbit

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