Partek TGX-600HB

Pressures to 20,000 PSI
Flows to 140 GPM • Power to 750 HP

Features

- Inline fluid end design.
- Pressure range from 15,000 PSI to 20,000 PSI.
- Flow rates to 140 GPM / 529.9 LPM.
- Maximum frame load of 140,000 Lbs. / 63504 Kg for multi-speed.
- Manufactured on state-of-the-art machinery.
- Designed for continuous service.
- Easy field maintenance.
- Stainless steel fluid end construction.
- Rigorously subjected to full load testing.
- Extremely reliable.
- Field proven design.

Applications

- Water Blasting
- Concrete Demolition
- Chemical Injection
- Hydrostatic Testing
- Boiler Feed



Performance Specifications

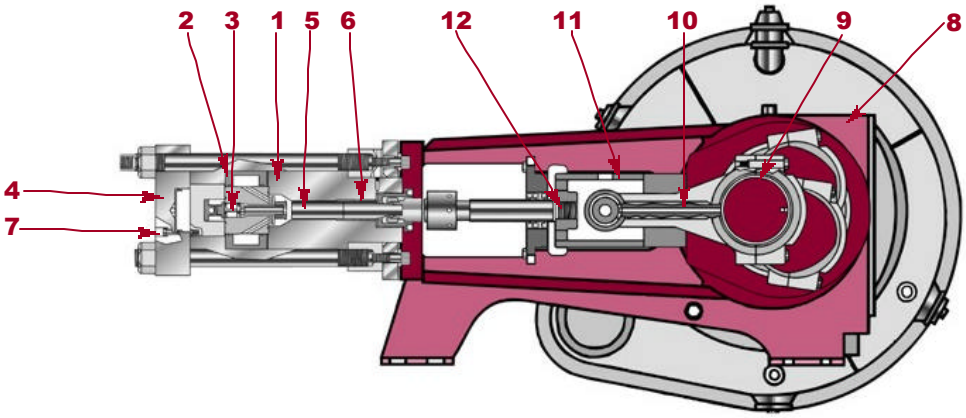
	MAX. PRESSURE	FLOW							
		100 RPM		200 RPM		300 RPM		366 RPM	
TGX-600HB	PLUNGER DIA.	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM	PSI/BAR	GPM/LPM
	2.500” - 32mm	20K/1379	38/144	16.5K/1138	77/291	11K/758	115/435	9K/621	140/530

Note: Pump is equipped with reduction gear.
Note: All flows are based on 100% volumetric efficiency. Pressures shown are based on single-speed performance. See unit specification sheets for pressure ratings on multi-speed units.

Stroke: 6” / 152 mm • **Max. Speed:** 400 RPM • **Weight:** 8,300 Lbs. / 3765 Kg

GARDNER DENVER WATER JETTING SYSTEMS, INC.
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TGX-600HB PUMP



Fluid End

1. **Fluid Cylinder Body:** Three cylinders machined from hardened stainless steel, autofrettaged for extended life.
2. **Suction Manifold:** Hard, anodized aluminum. Also available in stainless for salt water applications.
3. **Valve Assembly:** Hardened stainless steel, autofrettaged for extended life. Valves are spring-loaded for positive closing with a common seat used for both suction and discharge valves.
4. **Discharge Manifold:** Manufactured from precipitation hardened stainless steel.
5. **Plungers:** Collet style, made of coated tungsten carbide.
6. **Plunger Packing:** Carbon filled Teflon™ and polyethylene base, spring loaded, self-adjusting and easily replaceable from the rear of the stuffing box. Force-fed water provides lubrication and cooling.
7. **Pressure Relief:** Pressure safety head assembly (two rupture discs), mounted to the discharge manifold.

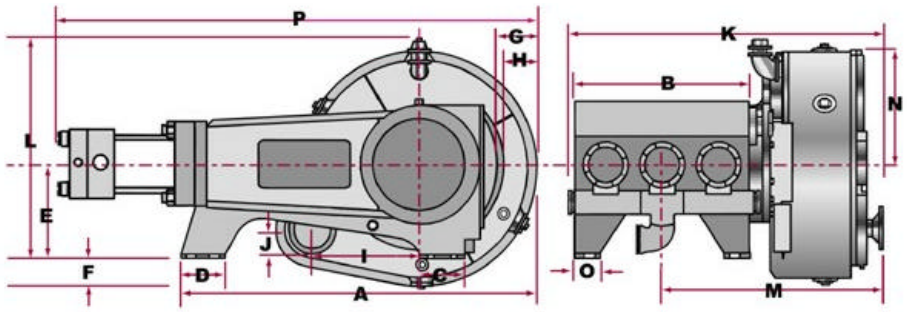
Power End

8. **Power Frame:** Manufactured from a single piece casting of high strength gray cast iron.
9. **Crankshaft:** Single extended forged alloy steel with tapered roller bearings to minimize side thrust load. Drilled for forced oil lubrication.
10. **Connecting Rods**: Ductile iron with automotive type split insert bearings.
11. **Crossheads:** Large, piston type constructed of gray iron.
12. **Diaphragm Seals:** Installed with o-rings or gaskets and neoprene oil seals.

Reduction Gear: *Constructed of top quality AGMA Class 12 steel. Hardened and ground bull and pinion gears for strength and durability. Ratios available - 5.74:1.*

Forced Oil Lubrication System: *Unique pump feature which allows oil to be forced through a rifle-drilled crankshaft lubricating each journal, connecting rod and wrist pin bearing.*

Dimensions TGX-600HB



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
in.	67 1/2	34 1/4	8 3/8	8 3/8	17 3/4	5 1/2	15 1/2	14 3/4	20 1/8	6 1/8	62 7/8	41 1/2	42 7/8	22 1/4	5	98 1/2
mm	165.1	870	212.7	212.7	450.85	139.7	393.7	374.65	511.2	155.6	1597	1054.1	1089	565.15	127	2502

Gardner Denver Water Jetting Systems reserves the right to change specifications without notice.

GARDNER DENVER WATER JETTING SYSTEMS, INC.
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Your local distributor/representative is: