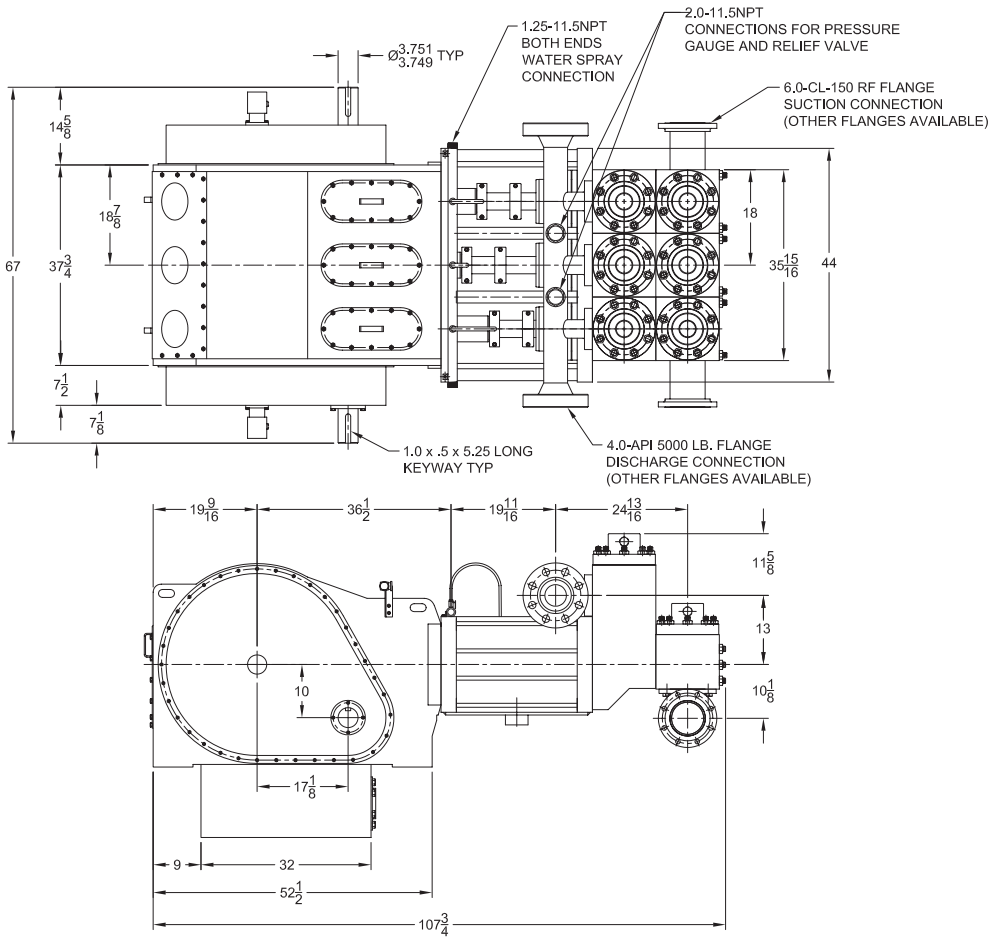


D-750L Triplex Piston Pump



Specifications

Pump Type:

Horizontal Reciprocating Power Pump
Positive Displacement with
Single-Acting Pistons

Maximum Input Horsepower: 750 Continuous

Stroke Length: 8 inches

Maximum Rod Load: 85,000 lbs.

Approximate Weight: 11,500 lbs.

Pump Power End:

Fabricated of High Strength Steel

Gears: Double Helical

Gear Ratio: 4.95:1

Rod Bearings: Shell Type Replaceable

Main Bearings: Straight Roller

Pinion Bearings: Spherical Roller

Crankshaft: One Piece Forged Alloy Steel

Connecting Rod: One Piece Forging

Crosshead Guide: Bronze Replaceable

Fluid End:

Piston Type Segmented Block Design.

Machined From High Strength Alloy Steel,

Heat Treated and Ultrasonic Tested

Piston Diameter: 4.5 to 7 inches

Discharge Outlet: 4 API 5000 RJ

Suction Inlet: 6 ANSI 150 RF

Valves and Seats: API-6 Stem Guided,

Hardened Steel Seats

Piston Liners: Chrome or Ceramic Sleeved

Power End Lubrication:

35 GPM Required, Optional Hydraulic

Lubrication System w/ Sump Available

Pump Model	Flange Connections	
	Discharge Connection Sizes	Suction Connection Sizes
D-750L	4 (101.6) API 5000 RJ	6 (152.4) ANSI 150 RF

D-750L Triplex Piston Pump

Performance Data

Piston Diameter	Displacement Factors* @ 100% V. E.	Pump Speed in Crankshaft Revolutions Per Minute (RPM)									
		60		80		100		120		140***	
		Flow @ 100% V. E.	Max Press.	Flow @ 100% V. E.	Max Press.	Flow @ 100% V. E.	Max Press.	Flow @ 100% V. E.	Max Press.	Flow @ 100% V. E.	Max Press.
		U.S. Gal. per Rev.	U.S. Gal. per Min.	U.S. Gal. per Min.	@ Flow	U.S. Gal. per Min.	@ Flow	U.S. Gal. per Min.	@ Flow	U.S. Gal. per Min.	@ Flow
Inches	GPR	GPM	PSIG	GPM	PSIG	GPM	PSIG	GPM	PSIG	GPM	PSIG
7.00	3.999	240	2211	320	2209	400	2208	480	2208	560	1952
6.50	3.448	207	2563	276	2562	345	2561	414	2560	483	2264
6.00	2.938	176	3008	235	3006	294	3005	353	3004	411	2657
5.50	2.468	148	3581	197	3579	247	3577	296	3576	346	3162
5.00	2.040	122	4333	163	4330	204	4328	245	4327	286	3826
4.50	1.652	99	5000	132	5000	165	5000	198	5000	231	4724
Input Power	Brake** Horsepower	364		485		606		727		750	
Pinion RPM @ 4.95:1 Gear Ratio		297		396		495		594		693	

*V.E. = VOLUMETRIC EFFICIENCY, **BHP (Brake Horsepower) is based on 85% Mechanical Efficiency *** Speeds above 120 RPM are not recommended for continuous drilling operation.

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.

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