Model 125 Series Quick-Change Convertible Triplex Plunger Pump

SPECIFICALLY DESIGNED FOR HIGH-PRESSURE PUMPING APPLICATIONS.

The NLB 125 Series pump is an advanced design triplex pump with exceptional flexibility and versatility to efficiently meet the requirements of a wide range of pumping services. The unit features a simple, rugged design to meet the heavy-duty requirements of continuous operation and to minimize maintenance.

THE QUICK CHANGE FLUID END DESIGN HAS FEWER PARTS FOR INCREASED OPERATING EFFICIENCY AND SIMPLER MAINTENANCE.

- Easily configured for operating pressures from 6,000 to 40,000 psi in under 20 minutes.
- The fluid end design features minimum volumetric clearance and stress, with maximum shock and pressure resistance. Passages are drilled to minimize turbulence.
- The valve seat and stuffing boxes are precision-machined from high-grade stainless steel.
- Stainless steel valves have a rugged, double guided design that improves valve life by ensuring alignment. Seats are beveled and are also made from hardened stainless steel.
- Pump features Colomony®-coated plungers for 6-10K operation and solid tungsten carbide plungers for 15-40K operation.

PROVEN, HEAVY-DUTY INDUSTRIAL POWER FRAME.

- Horizontal configuration provides easy access and low center of gravity.
- Rugged, cast-iron housing with gravity lubrication and large oil reservoir.
- Forged steel crankshaft mounted in tapered roller bearings. Symmetrical design permits easy conversion to opposite-hand drive.
- Marine-type connecting rods with split, babbitted rod bearings and sleeve-type bronze wrist bearings. All under compressive loading only.
- Large-diameter cylinder crossheads operating in full circular guides, fitted with hardened wrist pins.
- Ground crosshead stub shafts with lipped seals to keep water and dust out of crankcase.
- High mechanical efficiency.
- Plunger cover for cleanliness and operator protection.

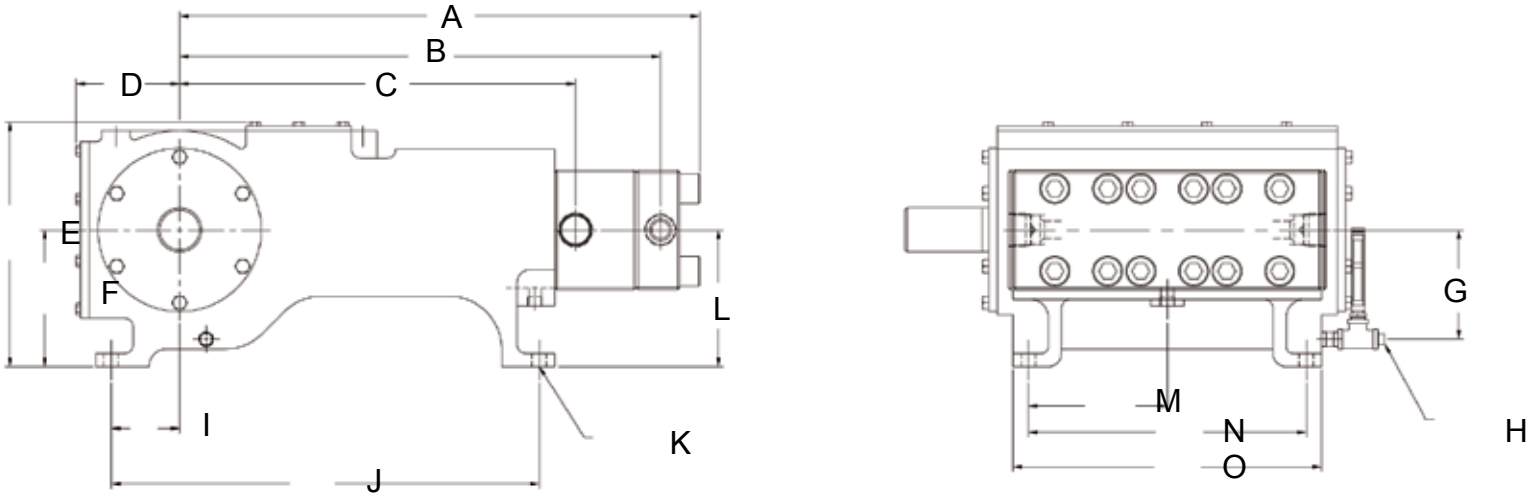
NLB's operator friendly pump designs make on-the-job maintenance and pressure conversions simple.

PUMP DISPLACEMENT—GPM (LPM)

PLUNGER DIA.		PUMP RPM										MAX. PRESSURE	
		100		200		300		400		500 (145 HP)			
IN	MM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	PSI	BAR
9/16	14.3	0.97		1.94	7.3	2.91	11.0	3.88	14.7	4.85	18.4	40,000	2,800
5/8	15.87	1.11	4.2	2.22	8.4	3.33	12.6	4.44	16.8	5.55	21.0	35,000	2,415
3/4	19.05	1.6	6.1	3.2	12.3	4.9	18.4	6.5	24.5	8.0	30.3	24,000	1656
13/16	20.64	1.9	7.3	3.9	14.7	5.8	22.0	7.8	29.4	10.0	37.9	20,000	1380
15/16	23.81	2.6	9.8	5.2	19.5	7.7	29.3	10.3	39.1	13.0	49.2	15,000	1035
1-1/8	28.58	3.9	14.7	7.8	29.4	11.6	44.1	15.5	58.7	19.5	73.8	10,000	690
1-1/4	31.75	4.9	18.4	9.7	36.7	14.6	55.1	19.4	73.4	24.5	92.7	8,000	552
1-1/2	38.1	6.5	24.5	12.9	48.9	19.4	73.4	25.8	97.8	32.5	123.0	6,000	414

Actual pump capacity is approximately 95% of the displacement.

Horsepower can be computed by using the formula: $BHP = \frac{GPM \times PSI}{1715}$



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
IN	29.48	27.25	24.44	5.87	13.87	7.75	6.19	0.50	3.88	24.25	0.81	7.75	7.88	15.75	17.50
MM	748.79	692.15	620.78	149.10	352.30	196.85	157.23	12.70	98.55	615.95	20.57	196.85	200.15	400.05	444.50

Specifications are subject to change without notice.

NLB Corp.

The Leader in High-Pressure Water Jet Technology

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