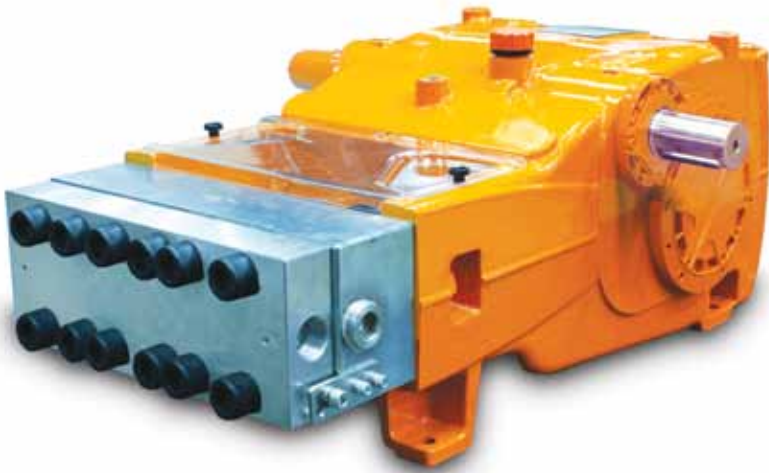


# Model 125G Series Triplex Plunger Pump



## SPECIFICALLY DESIGNED FOR HIGH-PRESSURE PUMPING APPLICATIONS.

The NLB 125G Series pump is an advanced design, internally geared 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.
- A single stainless steel frame plate and swing-out manifold is used for all operating pressures. The 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.

## INTERNALLY GEARED, 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 heavy duty bearings. Drive pinion output shafts on both sides of pump allow for opposite-hand drive.
- Internal gearing eliminates the need for large pulleys or belts, greatly decreasing the pump's overall footprint.
- 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.



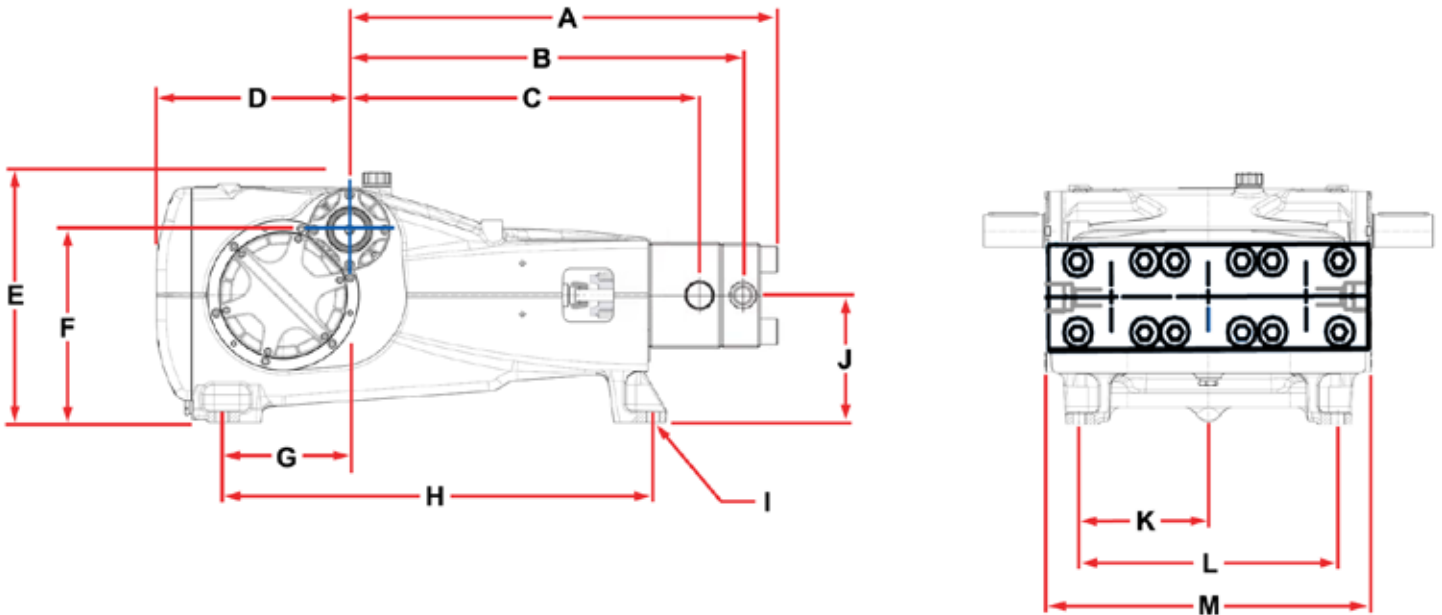
NLB's operator friendly pump designs make on-the-job maintenance and pressure conversions simple.

# 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
IN	25.07	22.84	20.50	13.93	16.54	12.17	9.15	24.25	.81	7.75	7.88	15.75	20.31
MM	636.80	580.10	520.70	353.80	420.10	309.1	232.5	615.9	20.57	196.8	200.2	400.0	515.9

Specifications are subject to change without notice.

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**Regional Offices**