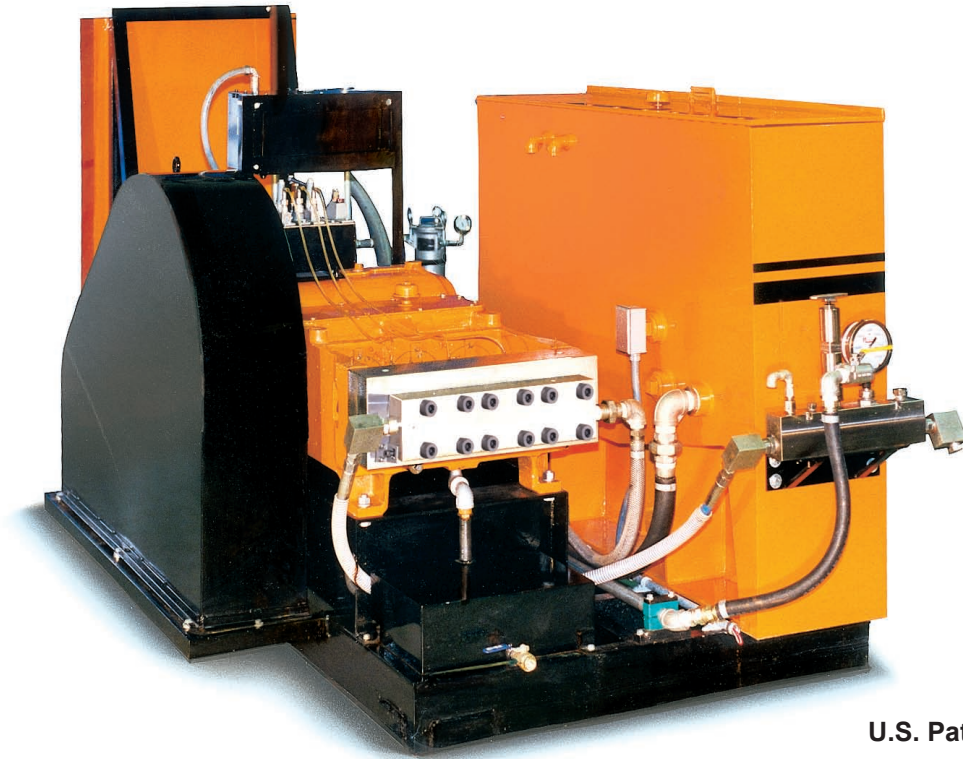


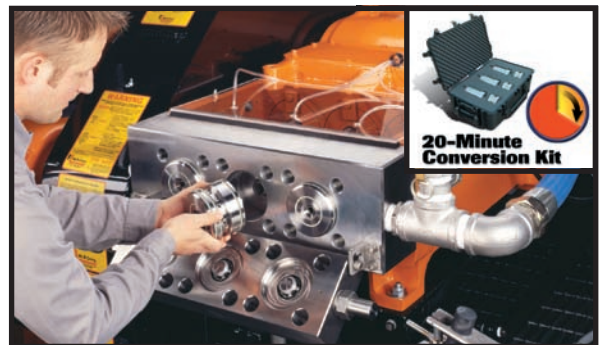
NLB 125 Series Electric High-Pressure Water Jetting Systems



U.S. Patent Pending

NLB's newest line of waterjetting units are built around the innovative model 125 convertible pump. This pump, with its quick-change, in-line fluid end design, has fewer parts for increased operating efficiency and simpler maintenance. And, it requires only a simple conversion kit to operate at pressures between 6,000 psi (414 bar) and 24,000 psi (1,680 bar) .

The NLB 125 Series units are built using the same rugged, reliable designs that have been field proven for over 35 years. The skid mounted unit comes standard with features like low water pressure shut-down and a high quality electric motor starter. All operating controls, including the pressure compensating by-pass valve and pressure gauge with snubber, are mounted on a separate accessory manifold, which provides additional protection for these important components.



NLB's Quick Change Fluid Ends. Simple, Fast, Easy and Dependable

- A single manifold and discharge piping assembly is used for all operating pressures.
- The swing-out manifold makes pressure conversions and maintenance fast and easy.
- NLB Conversion Kits have only 6 basic assemblies.
- Packing changes can be completed in under 5 minutes.



The Leader in High-Pressure Water Jet Technology

125 Series Water Blaster



Industrial Motor Drive:

Pumping system includes a TEFC electric motor and a combination non-reversing magnetic starter with fuse protection and stop/start push buttons. The system is completely pre-wired for 460 volt service and comes complete with a safety disconnect.

Model 125 - 113 hp (85 kw)

Model 105 - 96 hp (71 kw)

Model 75 - 70 hp (52 kw)

Model 60 - 58 hp (43 kw)

Unit Features include:

- Slow running plunger pump built from high-grade stainless steel and provides unprecedented reliability.
- Pump can be configured for pressures from 6,000 to 24,000 psi in under 20 minutes.
- A single accessory manifold for 6K to 24K operation with pressure gauge, rupture disc and by-pass valve.
- A water boost pump ensures that the unit constantly receives inlet water at the required supply pressure.

Skid Mounting:

- Size: 60" wide x 110" high x 76' long (1.52 m wide x 2.80 m high x 1.93 m long)
 - Weight 4,500 lbs. (2,040 kg)
- Contact factory for certified dimensions and weights.**
- Industrial grade enamel paint

Motor Driven Pumping Assembly:

- Slow running NLB Model 125 reciprocating pump
- Three plunger mechanical lubrication
- 100 gallon (378 l) polypropylene water tank
- Heavy-duty V-belt drive with guard
- Inlet water filter
- 30,000 lb. oil-filled pressure gauge with snubber
- Accessory manifold with relief valve
- All necessary plumbing and operating controls

Specifications subject to change without notice

All Units Are Factory Tested Before Shipment

Available Pump Configurations:

Model	GPM	LPM	PSI	BAR		
Model 125 (113 HP)	6125E	32.5	123	6,000	414	Plunger Kit
	8125E	24.5	93	8,000	552	
	10125E	19.5	74	10,000	700	Conversion Kit
	15125E	13	49	15,000	1,035	
	20125E	10	38	20,000	1,400	Plunger Kit
	24125E	8	30	24,000	1,680	
Model 105 (96 HP)	6105E	28	106	6,000	414	Plunger Kit
	8105E	20.5	77.7	8,000	552	
	10105E	16	60.5	10,000	700	Conversion Kit
	15105E	11	41.5	15,000	1,035	
	20105E	8.5	32	20,000	1,400	Plunger Kit
	24105E	7	26.5	24,000	1,680	
Model 75 (70 HP)	675E	20	76	6,000	414	Plunger Kit
	875E	16	60	8,000	552	
	1075E	12	45	10,000	700	Conversion Kit
	1575E	9	34	15,000	1,035	
	2075E	6.5	24	20,000	1,400	Plunger Kit
	2475E	5.5	21	24,000	1,680	
Model 60 (58 HP)	660E	15	57	6,000	414	Plunger Kit
	860E	12.5	47	8,000	552	
	1060E	10	38	10,000	700	Conversion Kit
	1560E	6.75	25	15,000	1,035	
	2060E	5	19	20,000	1,400	Plunger Kit
	2460E	4	15	24,000	1,680	

The NLB 125 Series pumps can be quickly converted to operate at any of the above pressures/flows with a simple plunger or conversion kit.



NLB can custom configure pump units to meet your specific requirements. This model has the motor positioned over the pump for a smaller footprint.



The Leader in High-Pressure Water Jet Technology

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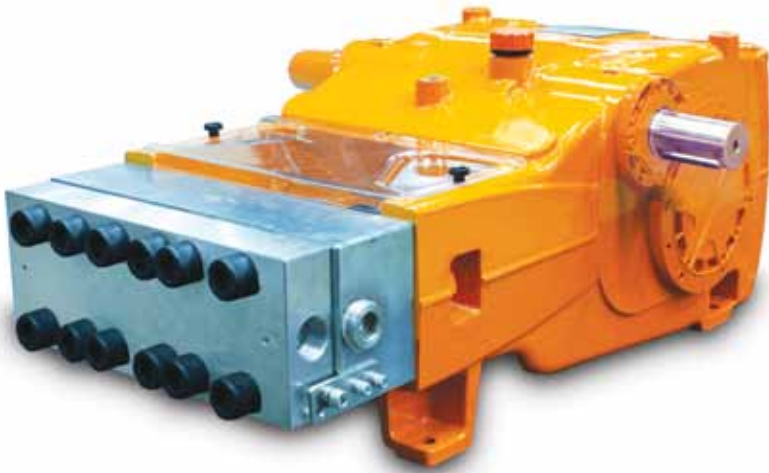
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Model 125G Series Triplex Plunger Pump



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.



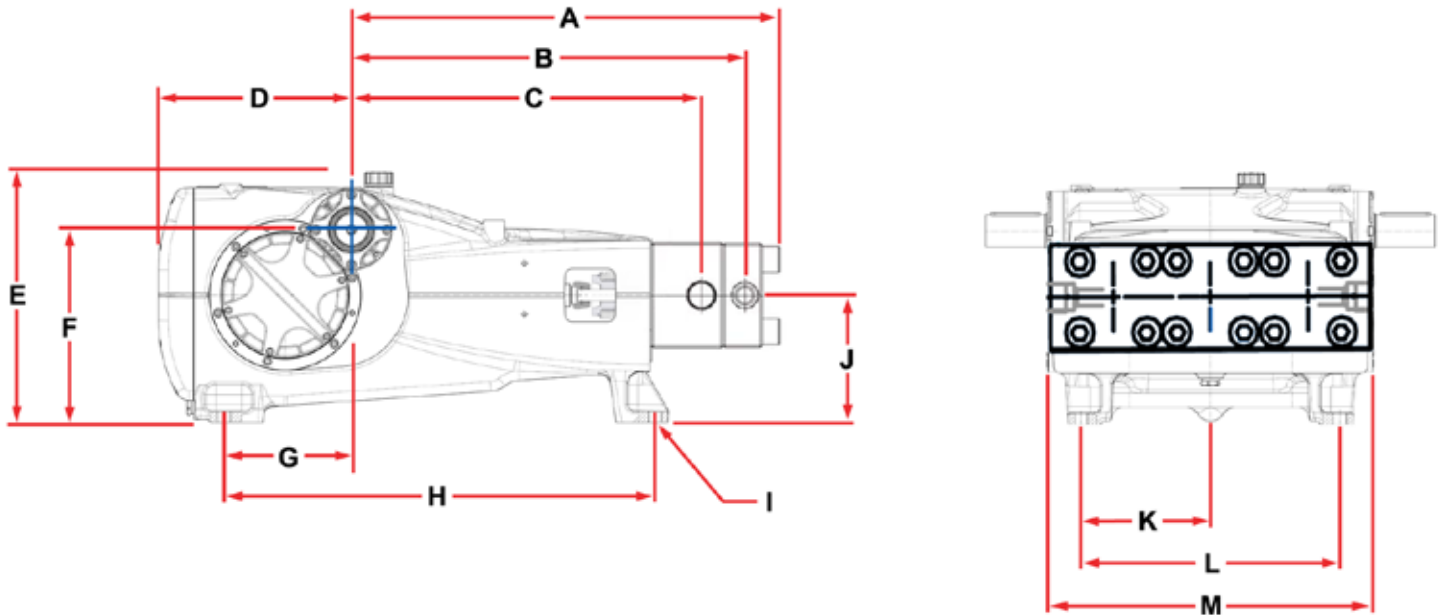
NLB's operator friendly pump designs make on-the-job maintenance and pressure conversions simple.

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

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