

Model 605 Series Triplex Plunger Pump



SPECIFICALLY DESIGNED FOR HIGH-PRESSURE PUMPING APPLICATIONS.

The NLB 605 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 4,000 to 40,000 psi (275 to 2,800 bar).
- 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.
- Pump features Colomony®-coated plungers for 4-10K 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.



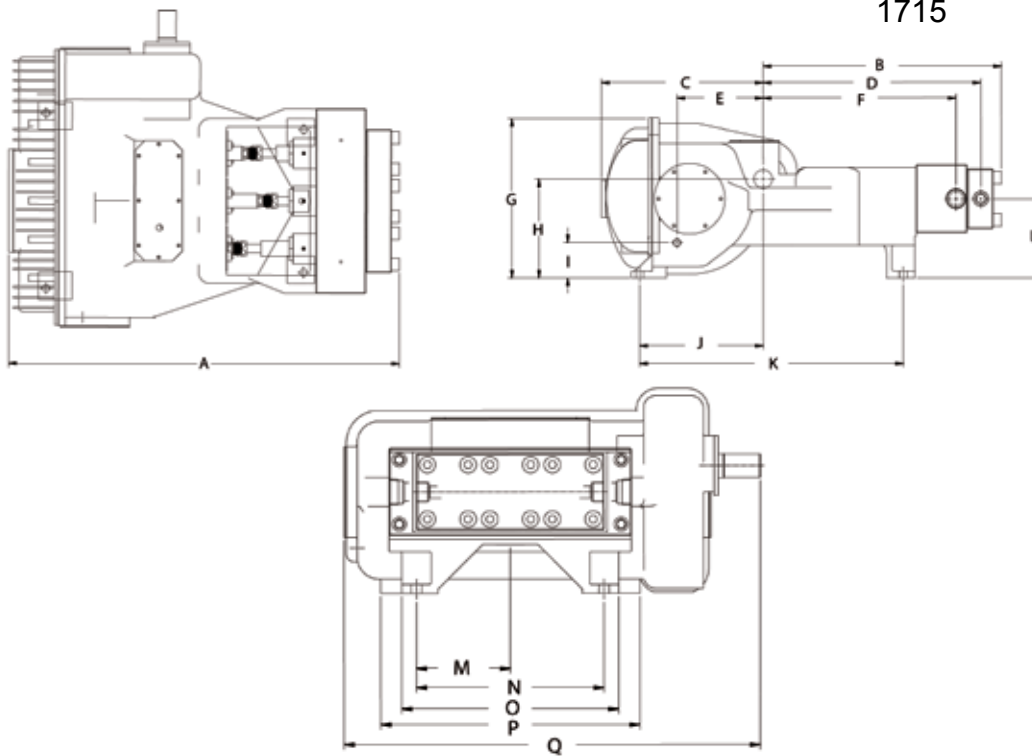
NLB's operator friendly pump designs make on-the-job maintenance and pressure conversions simple.

PUMP DISPLACEMENT—GPM (LPM)

A-CYLINDER	PLUNGER DIA.		PUMP RPM								MAX. PRESSURE	
			100		200		300		320 (600 HP)			
	IN	MM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	PSI	BAR
	1-1/16	27.80	7	25	13	51	20	76	21	81	40,000	2,800
	1-3/16	29.70	8	29	15	58	23	87	25	93	35,000	2,413
	1-9/16	39.30	13	51	27	101	40	152	43	162	20,000	1,379
	1-13/16	45.30	18	68	36	135	54	203	57	216	15,000	1,034
	2-3/16	55.56	27	101	54	203	80	304	86	325	10,000	690
	2-7/16	61.91	33	127	67	254	100	380	107	406	8,000	552
	2-13/16	71.44	45	169	89	338	134	507	143	541	6,000	414
	3-5/16	84.14	63	237	125	473	188	710	200	757	4,000	275

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	P	Q
IN	70.69	42.13	28.63	38.44	15.25	34.06	28.31	17.50	6.25	21.88	46.63	14.00	12.94	25.88	29.88	35.75	57.44
MM	1795.53	1070.10	727.20	976.38	387.35	865.12	719.07	444.50	158.75	555.75	1184.40	355.60	328.68	657.35	758.95	908.05	1458.98

Specifications are subject to change without notice.

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Water Jet Technology

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