

HAZARDOUS AREA UNITS

8,000 TO
40,000 PSI
CONVERTIBLE
HIGH-PRESSURE
WATER JETTING
SYSTEMS.



QUICK CHANGE
CONVERSION KITS
AVAILABLE



NLB's newest family of hazardous area water jetting units are built around our innovative line of convertible pumps. These pumps have fewer parts for increased operating efficiency and simpler maintenance. And, they require only a simple conversion kit to operate at pressures between 8,000 and 40,000 psi (552 and 2,800 bar).

These hazardous area pumps include features like automatic shut-down in the event of high engine water temperature, low engine oil pressure, high engine oil temperature, high hydraulic pump temperature, high coolant temperature, and high exhaust gas temperatures. The system also features an air starter motor, exhaust spark arrestor, and an air inlet shut down valve. They can be built with either ATEX or IECEx engines and are rated for Zone 2 explosion proof conversion, category 3G, gas group IIA and B, and temperature class T3.

FEATURES INCLUDE

- The integrated control panel allows the operator to monitor the system while in operation.
- Forged steel crankshaft mounted in heavy duty bearings. Drive pinion output shafts on both sides of pump allow for opposite-hand drive.

*U.S. Patent Pending.
Unit shown with optional water tank.



LEADING WATER JET TECHNOLOGY™
NLBCORP.COM

© Copyright 2017 NLB Corp.

INDUSTRIAL MOTOR DRIVE

Pumping system includes a continuous duty six cylinder diesel engine rated for:

- **Model 305** - 300 hp (224 kw)
- **Model 275** - 275 hp (205 kw)
- **Model 235** - 230 hp (172 kw)
- **Model 215** - 200 hp (149 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 8,000 to 40,000 psi.
- A single accessory manifold for 8K to 40K operation with pressure gauge, rupture disc and by-pass valve.
- EExd Electric Starter and alternator in explosion proof enclosures.
- Flame arresting exhaust system with integral air shutoff.
- Flame arresting exhaust system with independent cooling.
- Spark arresting system with integrated silencer.
- Separate radiator to lower the skin temperature and the exhaust system to Zone 2, T3 (200° C), category 3G gas group IIA.
- Manual and automatic air inlet shut down.
- Optional on-board hydraulic and pneumatic power packs.
- Relays are EExd 2G protected.
- Anti-static engine belts.
- Explosion-proof electrical control box.




- Plunger Kit is required to convert between models.
- ◇ Conversion Kit is required to convert between model sections.

AVAILABLE PUMP CONFIGURATIONS

MODEL	GPM	LPM	PSI	BAR	KITS
Model 305 - 300 hp					
8305D	50	190	8,000	552	●
10305D	44	167	10,000	700	●
12305D	36	136	12,000	828	●
15305D	29	110	15,000	1,035	● ◇
20305D	23	87	20,000	1,400	● ◇
24305D	18	68	24,000	1,680	● ◇
35305D	13	47	35,000	2,450	● ◇
40305D	10	38	40,000	2,800	● ◇
Model 275 - 275 hp					
8275D	44	167	8,000	552	●
10275D	38	142	10,000	700	●
12275D	32	120	12,000	828	●
15275D	25	94	15,000	1,035	● ◇
20275D	20	75	20,000	1,400	● ◇
24275D	16	60	24,000	1,680	● ◇
35275D	11	41	35,000	2,450	● ◇
40275D	9	34	40,000	2,800	● ◇
Model 235 - 230 hp					
8235D	38	144	8,000	552	●
10235D	34	128	10,000	700	●
12235D	29	109	12,000	828	●
15235D	21	79	15,000	1,035	● ◇
20235D	17	64	20,000	1,400	● ◇
24235D	13	49	24,000	1,680	● ◇
35235D	10	36	35,000	2,450	● ◇
40235D	8	30	40,000	2,800	● ◇
Model 215 - 200 hp					
8215D	29	110	8,000	552	●
10215D	25	94	10,000	700	●
12215D	19	71	12,000	828	●
15215D	16	60	15,000	1,035	● ◇
20215D	13	49	20,000	1,400	● ◇
24215D	10	38	24,000	1,680	● ◇
35215D	7	27	35,000	2,450	● ◇
40215D	6	23	40,000	2,800	● ◇



CONVERSION KITS
Contact your local sales representative for kit availability and pricing.



ALL UNITS ARE CERTIFIED AND FACTORY TESTED BEFORE SHIPMENT
Specifications subject to change without notice.