FRONTIER® 400X PIPE

Diesel Engine Driven Welder Generator



Shown K3485-4

The Frontier of Pipeline Performance

The Frontier® 400X Pipe diesel engine-driven welder generator delivers enhanced performance and productivity for demanding pipeline applications.

Reduced Maintenance Requirements – Industry-proven Kubota® engine with 400-hour oil change intervals to help maximize uptime and keep crews working.

Next-Gen Controls – Bright, impact-tested 7-inch display with save-and-recall memories, maintenance reminders, and PIN authorization.

Optimized Pipe Welding – Up to 400 amps of weld output with optimized CC and CV modes, mechanized and pulse welding support, and a dedicated Pipe Mode for the iconic smooth DC-style arc preferred for downhill pipe welding.

Jobsite Productivity – Up to 11 kW of auxiliary power, CrossLinc® technology, Auto-Stop/Start, and a Spool Gun mode to help maximize productivity and application versatility while reducing fuel consumption.

Fast Engine Starting – Rotary start switch enables immediate engine starting for quick deployment on the jobsite.

Trusted Reliability – Engineered to withstand harsh conditions and backed by trusted industry support and a 3-year warranty.

Processes »
SMAW (Stick), FCAW (Flux-Cored), GMAW (MIG), GTAW (TIG), CAC-A (Arc Gouging)

Output »



Input »



Product Number »
K3485-4

Industries Served »
- Pipeline
- Process Industries

Key Accessories »
- LN-25X® Wire Feeder
- Activ8X® Pipe Wire Feeder
- Magnum PRO 250LX GT Spool Gun
- Wireless Remote Control
- Engine Service Kit
- Storage Cover
- User Interface Protective Cover
- Cold Weather Kit

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MACHINE SPECIFICATIONS

Product Name	Product Number	Rated Output @104°F (40°C)	Output Range	Open Circuit Voltage	AC Generator Auxiliary Power[1]	Auxiliary Receptacles[2]	Dimensions[3] H x W x L in (mm)	Weight lb (kg)[4]
Frontier 400X Pipe	K3485-4	IEC Rating – 325A / 33V / 100% Max Rating – 400A / 26V / 60%	Stick / Pipe: 30 – 400 Amps DC TIG: 5 – 400 Amps MIG / FCAW: 10 – 45 Volts Arc Gouging: 60 – 400 Amps	71 Peak OCV @ 1800 RPM	Single Phase: 10 kW Continuous, 11.5 kW Peak, 120V/240V @ 60 Hz Three Phase: 11 kW Continuous, 12.5 kW Peak, 240V @ 60 Hz	NEMA 5-20R (120V / 20A / 1~) NEMA 14-50R (120/240V / 50A / 1~) NEMA 15-50R (240V / 50A / 3~)	Machine Only: 35.9 x 25.3[3] x 60.0 (913 x 643 x 1524) To Top of Exhaust Pipe: 43.8 (1113)	1035 (469)

ENGINE SPECIFICATIONS

Engine Model	Engine Description	Operating Speed (RPM) @ Full Load	Displacement	Capacities
Kubota D1503-M[5] Tier 4 Final Compliant	3 Cylinder 24.8 hp (18.5 kW) Naturally Aspirated Water Cooled Diesel Engine	High Idle: 1800 Low Idle: 1440	91 cu. in (1.5 L) Bore x Stroke 3.27 in x 3.64 in (83 mm x 92.4 mm)	Fuel: 20 US gal. (75.7 L) Oil: 5.9 qts. (5.6 L) Cooling System: 1.8 US gal. (6.8 L)

(1) When welding, available auxiliary power will be reduced. Output voltage is within +/- 10% at all loads up to rated capacity.
(2) Circuits cannot be wired in parallel to operate the same device.
(3) Includes width of door. Base width is 24.0 in. (610 mm).
(4) Machine only – Does not include fuel.
(5) Engine warranted separately by engine manufacturer.

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

Manufactured at a facility with certified ISO Quality and Environmental Management Systems.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment, or to provide engineering advice in relation to a specific situation. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

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Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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