



FRONTIER® 500X

Diesel Engine Driven Welder/Generator



Shown K5350-2

The New Frontier of Performance

The Frontier 500X diesel engine driven welder/generator breaks the boundaries of welding innovation - delivering a versatile, next generation system for your go-to choice on the jobsite or in your rental fleet.

Next-Gen Display – Bright, durable 7 in. digital user interface for unmatched machine control - including save and recall memories, maintenance reminders, and PIN authorization.

Job-Site Versatility – Up to 525 amps of weld output and 20 kW of auxiliary power to provide plenty of output in a compact and quiet package.

Multi-Process Capable – Features basic CC and CV modes, plus specialized modes to support mechanized and pulse welding applications.

CrossLinc® Enabled – Change weld parameters at the arc without an additional control cable – helping to increase productivity, promote safety, and improve weld quality.

Auto-Stop/Start Technology – Save on fuel and avoid excessive idling and engine wear.

Field Proven – Highly dependable, field-tested Kubota® engine with reliable performance and plenty of power to keep your jobsite running.

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

Processes »

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

Output »



Input »



Product Number »

K5350-2

Industries Served »

- Maintenance & Repair
- Pipeline
- Power Generation
- Structural

Key Accessories »

- LN-25X® Wire Feeder
- Activ8X® Pipe Wire Feeder
- CrossLinc Remote
- Wireless Remote Control
- Medium Two-Wheeled Trailer
- Engine Service Kit

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 500X	K5350-2	IEC Rating – 500A / 40V / 100%	Stick: 30 – 525 Amps Pipe: 30 - 400 Amps DC TIG: 5 – 410 Amps MIG / FCAW: 10 – 45 Volts Arc Gouging: 60 – 525 Amps	71 Peak OCV @ 1800 RPM	Single Phase: 12 kW Continuous, 15 kW Peak, 120V/240V @ 60 Hz Three Phase: 20 kW Continuous, 21 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: 40.4 x 28.4 ⁽³⁾ x 65.0 (1027 x 721 x 1651) To Top of Exhaust Pipe: 48.9 (1242)	1462 (663)

ENGINE SPECIFICATIONS

Engine Model	Engine Description	Operating Speed (RPM) @ Full Load	Displacement	Capacities
Kubota V2403-CR-TE4-BG ⁽⁵⁾ Tier 4 Final Compliant	4 Cylinder 48.9 hp (36.5kW) Turbocharged Water Cooled Diesel Engine	High Idle: 1800 Low Idle: 1500	148.5 cu. in (2.43 L) Bore x Stroke 3.43 in x 4.031 in (87 mm x 102.4 mm)	Fuel: 20 US gal. (75.7 L) Oil: 10 qts. (9.5L) Cooling System: 9 qts. (8.5 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 270 in. (687 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.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

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.

The Lincoln Electric Company
22801 St. Clair Avenue · Cleveland, OH · 44117-1199 · U.S.A.
www.lincolnelectric.com