

FRONTIER™ 400X

PRODUCT COMPARISON



Frontier™ 400X



Vantage® 322



Big Blue® 400 Pro

Engine	Perkins® 403F-15T 24.7 hp, Turbocharged 3 Cylinder	Kubota® V1505 22.0 hp, Naturally Aspirated 4 Cylinder	Kubota V1505 20.2 hp, Naturally Aspirated 4 Cylinder
Welding Output	IEC Rating: 325A / 33V / 100% Max Rating: 400 / 26V / 60%	IEC Rating: 300A / 32V / 100% Max Rating: 400A / 23V / 100%	IEC Rating: 300A / 32V / 100% Max Rating: 400A / 24V / 100%
Auxiliary Power	1-phase: 10 kW continuous 3-phase: 11 kW continuous – More power for tools, pumps, or plasma cutter	1-phase: 10 kW continuous 3-phase: 11 kW continuous – More power for tools, pumps, or plasma cutter	1-phase: 10 kW continuous
Machine Control	Advanced, 7 in. Display Straightforward process set-up and navigation with integrated engine gauges for battery voltage, engine temperature, oil pressure, and fuel level	Process set-up with knobs and digital meters with separate engine gauges for engine temperature, oil pressure, and fuel level	Process set-up with knobs, LED lights, and digital meters with separate engine gauge for fuel level only
Memory Function	4 Presets Slot - Easily save and recall up to 4 weld mode memory presets	N/A	N/A
Weld Cable Communication	Standard Feature - CrossLinc® Technology	N/A	Upgrade Available - Requires purchase of separate model
Ease-of-Use Features	Embedded Maintenance Reminders, Productivity Metrics, and PIN Authorization	N/A	N/A
APEX Mechanized Equipment Compatibility	Upgrade Available - Seamlessly connect and operate Lincoln Electric APEX® Mechanized Solutions	N/A	N/A
Auto Stop/Start	Standard Feature - Reduces unnecessary idle time to save on fuel and reduce engine wear	N/A	N/A
Ease-of-Access Features	Sliding Engine Door Tilt-Down Control Panel Easy-Access Battery Tray Latched Radiator Cap Cover	Sliding Engine Door Tilt-Down Control Panel Easy Access Battery Tray Latched Radiator Cap Cover	Fold-Down Door
Fuel Capacity	20 gal. tank with raised fuel cap – Allows access from all sides of the machine	20 gal tank with raised fuel cap – Allows access from all sides of the machine	11.5 gal tank with recessed fuel cap
Paneling / Base	Stainless Steel Paneling Painted Galvanized Steel Base	Stainless Steel Paneling	Powder Coated Paneling

FRONTIER 400X KEY FEATURES:

Turbocharged Perkins Engine – The Frontier 400X features a field-proven, 24.7 hp turbocharged Perkins engine that provides plenty of all-day power. The Perkins turbocharged engine provides more reliable cold weather starting and high altitude performance compared to naturally aspirated engines.

Reliable 1/3 Phase Auxiliary Power – The Frontier 400X offers up to 11Kw continuous* 1 & 3-phase auxiliary (3 phase not available in some competitive models) to provide additional power to operate necessary industrial tools, pumps, or plasma cutters.

*Continuous auxiliary power ratings highlight the true and accurate capabilities of a machine - as compared to peak power ratings, which are measure in only short, 30 second or less increments.

Advanced Process Capability – The Frontier 400X comes with advanced weld modes that allow the system to easily connect to Lincoln Electric Activ8X® Pipe™ wire feeders to access pulsed MIG and STT® Field weld modes, as well as direct connection and control of Lincoln Electric APEX® orbital and flat track mechanized equipment.

Advanced Digital User Interface – Packed with advanced features, the user-friendly interface on the Frontier 400X provides operators with greater control of their machine. Users can save and recall memories to quickly change between jobs, receive maintenance reminders to conduct timely service, and add PIN lockouts to help prevent unauthorized machine use. Meanwhile, productivity metrics track arc hours and auxiliary hours to understand machine utilization on site.

Chopper Technology® – Like other Lincoln Electric engine driven products, the Frontier 400X features patented Chopper Technology to provide a premium welding arc, including easy arc starts, smooth and consistent arc characteristics, low spatter, and excellent bead appearance.

CrossLinc® Technology – The Frontier 400X comes standard with embedded CrossLinc Technology, which helps to promote productivity, safety, and quality improvements in your operations since operators have full control of volts and amps at the welding arc without the need for additional cables.

Auto Stop/Start Technology – A feature that can be enabled on the machine to help save significant fuel and maintenance costs for users that do not weld continuously. When Auto-Stop/Start is enabled, the machine will automatically shut off the engine after a period of inactivity and remotely restart the engine when needed to reduce fuel consumption and extra wear and tear on the engine.

Simple Maintenance Access – The Frontier 400X provides a variety of design features to make machine maintenance easy when mounted in tight spaces such as a truck bed or trailer - including sliding engine door, tilt-down control panel, easy battery tray access, toolless radiator access, and a raised fuel cap.

Large Fuel Tank Size – The Frontier 400X offers a 20 US Gal fuel tank - a 74% increase compared to similar competitive models, allowing for more time on the job, and less time refueling.

Stainless Steel Paneling & Painted Galvanized Steel Base – The Frontier 400X design provides extra layers of durability and corrosion protection including stainless steel paneling and a galvanized base (meanwhile, painted carbon steel can be prone to rust when scratched).

CUSTOMER ASSISTANCE POLICY

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