

Rent-N-Arc Equipment Rentals

LINCOLN - DX450 Multiprocess Engine-Driven Welder



Four Welding Process Modes with Separate Arc Gouge Mode

CC-Stick (up to 1/4"), Downhill Pipe (stick), Touch-Start DC TIG, CV-Wire (up to 3/32"), Arc Gouge mode (up to 5/16" carbon rods)

Description

The DX450 is a 450 amp @ 100% duty cycle, DC constant current, DC constant voltage, diesel engine-driven welder.

Chopper Technology® delivers superior welding-arc performance in all welding modes.

The DX450 generates plenty of auxiliary power with 19 kW peak (17 kW continuous) of 3-phase 240V AC power - enough to power various power sources transforming the DX450 into a dual-operator welder - or 12 kW peak (11 kW continuous) of single-phase AC power for powering common construction tools and equipment.

The VRD™ (Voltage Reduction Device) reduces OCV (open circuit voltage) in CC-Stick mode for added safety.

At 99.1 dBA Lwa (74.8 dB at 23 ft/7 m) it's one of the quietest engine-driven welders available.

Engine power is via a Kubota V2403M EPA Tier 4i, liquid-cooled, four-cylinder, 35.5 HP @ 1800 rpm diesel engine which provides smooth, quiet, efficient operation and a 20-gallon fuel tank delivers long running times between fill ups.

Options

With the optional Sidewinder Package the DX450 can function as a dual-operator welder delivering maximum efficiency, functionality, and economy. Various power-sources and plasma cutters can be selected for use with this package.

Recommended wirefeeders for the DX450 include the LN25 and LN25 ProExtreme, as well as various spoolguns.

Top Features

- Process: Stick, TIG, MIG, Flux-Cored Air Arc Gouging
- Portable DC CC/CC welding
- Kubota Water-Cooled Engine
- Output Range: 30 – 500A DC
- Rated Output: 450A at 32VDC, 100% duty cycle
- 17,000 Watts Continuous AC Auxiliary power, 240V, 3ph
- Available in skids, movable 2/4 wheel trolleys and 4 point lifting

frames approved by ADNOC

- Available with ATEX certified Spark Arrestors and intake Shutdown valves approved by ANDOC

Dimensions, Weight, Fluid Capacities

Height	35.9" (913 mm)
Width	25.3" (643 mm)
Depth	60.0" (1524 mm)
Weight	1245 lb (565 kg)
Diesel Fuel Capacity	20.0 gal (75.0 L)
Engine Oil Capacity	10.0 qts (9.5 L)
Radiator Coolant Capacity	8.0 qts (7.6 L)

Rated Welder Output @ 104° F, Max OCV 60 Volts @ Rated Load

DC Constant Current	400A / 36V @ 100% duty cycle	30 to 500A Range
	450A / 32V @ 100% duty cycle	30 to 500A Range
DC Pipe Current	300A / 32V @ 100% duty cycle	40 to 300A Range
Touch-Start TIG	250A / 30V @ 100% duty cycle	20 to 250A Range
DC Constant Voltage	400A / 36V @ 100% duty cycle	14 to 36V Range
	450A / 32V @ 100% duty cycle	14 to 36V Range
Arc Gouging	400A / 36V @ 100% duty cycle	90 to 450A Range

Rated Generator Output @ 104° F (40° C)

Auxiliary Power	12,000 Watts Peak / 11,000 Watts continuous, 60 Hz, 120/240 Volts, Single-Phase 19,000 Watts Peak / 17,000 Watts continuous, 60 Hz, 240 Volts, 3-Phase
Receptacles	(2) 120VAC GFCI Duplex, (1) 120/240VAC Dual Voltage, (1) 240VAC 3-Phase
Auxiliary Breakers	(2) 20A for Two Duplex Receptacles, (1) 50A for Dual Voltage and 3-Phase (3-Pole)
Other Breakers	10A for Battery Charging Circuit and 10A for 42V Wirefeeder Circuit