

**Red-D-Arc
Welderrentals**

DC400
Extreme-Duty™
CC/CV DC Welder



***Rugged Tubular Pak-Lok-Frame™
Extreme-Duty™ Stainless Steel Construction
400 amps DC at 36 volts and 100% Duty Cycle
Available as 4Pak™ or 6Pak™ Multioperator Systems and
CC (Stick, TIG), CVI (MIG, Flux-Cored), and CV (Sub-Arc)***

1-866-733-3272
Rental Centers Across North America

North America's Largest Fleet of Welding and Positioning Equipment

DC400

Extreme-Duty™

CC/CV DC Welder

PROCESSES

- DC Stick (SMAW)
- Scratch Start DC TIG (GTAW)
- DC TIG (GTAW) with optional K930-2 TIG MODULE
- MIG (GMAW) up to 400 amps at 100% duty cycle
- Self-shielded and gas-shielded Flux-Cored (FCAW-SS/FCAW-GS)
- Operates with voltage sensing wirefeeders, 42 volt and 115 volt constant speed wirefeeders, Spool Guns and Cobramatic wirefeeders, automatic wirefeeders and sub-arc tractors
- Submerged Arc (SAW)
- Air Carbon Arc Cutting and Gouging (CAC-A) up to 5/16" (8 mm) diameter electrodes

FEATURES

- Extreme-Duty™ stainless steel construction for operation in harsh environments
- outstanding arc characteristics on both constant current and constant voltage processes
- windings and rectifiers protected against moisture and corrosive environments
- single range full output current/voltage potentiometer for easy operation
- solid state circuitry provides extra long life for repetitive welding applications
- ammeter/voltmeter
- three position mode switch - CC (Stick, TIG), CVI (MIG, Flux-Cored), CV (Submerged Arc)
- arc force control (CC mode only) to adjust short circuit current for a soft arc or a forceful driving arc
- arc control (pinch effect) to control splatter, fluidity, and bead shape (operates only in CVI mode)
- line voltage compensation for constant output regardless of input power fluctuations
- fan cooled with electronic and thermostatic protection from current overload and excessive temperatures
- Amphenol and terminal strip connections for remote control and wirefeeders
- power on/off switch with pilot light
- 3 year warranty on parts and labor
- certified to ISO requirements, CSA approved
- rugged tubular Pak-Lok-Frame™ enclosure for increased protection
- can be assembled with Pak-Lok™ connectors into 4Pak™ and 6Pak™ multioperator systems with single source power input ideal for onsite applications including construction and shipbuilding
- optional shop cart connects to Pak-Lok-Frame™ with Pak-Lok™ connectors

SPECIFICATIONS

- Weight including Pak-Lok-Frame™: 544 lb (248 kg)
- Pak-Lok-Frame™ Dimensions: Height: 32" (813 mm) Width: 28" (711 mm) Length: 34.25" (870 mm)
- Output Rating:

Amperes	500	450	400
Volts	40	38	36
Duty Cycle	50%	60%	100%
- Output Range: (min.) 60 amps 12 volts CV (22 volts CC)
(max.) 500 amps 42 volts CC CV
- Maximum O.C.V.: 57 CC (45.5 CVI)
- Input Ratings:

	100% duty cycle	60% duty cycle	50% duty cycle
	400 amps, 36 volts	450 amps, 38 volts	500 amps, 40 volts

230 volts	78 amps	83 amps	84 amps
460 volts	39 amps	41 amps	42 amps
575 volts	31 amps	33 amps	34 amps

- Input KVA on CVI: 31.1 at 400 amps, 34 volts
- Power factor on CVI: 0.61 at 400 amps, 34 volts
- Efficiency on CVI: 72% at 400 amps, 34 volts
- Idle Current: 5.7 amps (230 volt input)
- Idle Power: 1.0 kW