

DX350 Engine Driven Welder

Processes

- Stick, Flux-Cored, MIG, TIG, Gouging

Output

- DC output 30 - 400 amps
- 350A/28V/100%
- 300A/32V/100%



Welding Features

- 350A/28V/100%, 300A/32V/100%
- DC output range 30 - 400 amps
- Stick, TIG, MIG, Flux-Cored, Gouging
- Select one of five welding process modes including
 - CC-Stick up to 3/16" (4.8 mm)
 - Downhill Pipe-Stick
 - DC Touch Start TIG
 - CV-Wire up to 5/64" (2.0 mm)
 - Gouging Mode maximizes output with up to 1/4" (6.3 mm) carbon rods
- CC-Stick mode is optimized for general purpose stick using E7018 low hydrogen electrode
- Digital meters
- Built-in Touch Start for easier arc starts and restrikes minimizing the electrode "sticking" to the work
- Chopper Technology for easy arc starting, smooth arc action, low spatter levels, excellent bead appearance
- Switch-activated VRD (Voltage Reduction Device) reduces OCV (open circuit voltage) to less than 30 volts DC in CC-Stick welding mode for added safety
- Other welding modes when VRD is on:
 - Downhill Pipe - No output when VRD is on
 - CV-Wire - OCV is not reduced
 - Touch Start TIG - No difference in operation. TIG is normally a low voltage (< 30 volts) operation

AC Auxiliary Power - 1-Phase and 3-Phase

- 11,500 peak watts / 10,000 watts continuous
60 Hz 120/240 volts 1-phase power
- 12,500 peak watts / 11,000 watts continuous
60 Hz 240 volts 3-phase power
- (2) 120VAC duplex (5-20R) GFCI protected receptacles for common 120VAC construction tools
- (1) 120/240VAC dual voltage full kVA (14-50R) receptacle
- (1) 240VAC 3-phase receptacle for plasma cutters, inverter welders, pumps, etc.



Engine

- Kubota V1505 EPA Tier 4 diesel engine
- 22 HP @ 1800 RPM, 91 cu in (1.5 L)
- 4 cylinder, 4 cycle, water cooled
- Automatic idler
- 12V electric start, dry type air cleaner
- Engine hour meter
- Fuel filter with water separator
- 6.4 qt (6.0 L) oil capacity
- Shutdown on low oil pressure and high engine coolant temperature
- Auto air bleed fuel system
- 7.2 qt (6.8 L) radiator coolant
- 20 gal (76 L) fuel tank provides 16 hours run time at 300A/32V/100% or 48 hours at high idle
- 2 years/2,000 hours Kubota warranty

Operating Speeds

300A load, 1800 RPM
High idle, 1890 RPM
Low idle, 1350 RPM

Fuel Consumption

1.2 gal/hr [4.4 L/hr]
0.4 gal/hr [1.5 L/hr]
0.3 gal/hr [1.1 L/hr]

Dimensions H x W x L

- 35.9" x 25.3" x 60.0" (913 mm x 642 mm x 1524 mm)
To top of exhaust tube: 44.3" (1124 mm)

Weight

- 1135 lb (515 kg) with protective frame

Number

- K3587-1

Red-D-Arc
Welderrentals
reddarc.com

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Simultaneous Welding and AC Generator Power

Weld Amps	1-Phase			3-Phase		Simultaneous 1- and 3-Phase		
	Watts	Amps		Watts	Amps	Watts	Amps	
0	10000	42	OR	11000	27	OR	10000	-
100	8300	35		8500	20		8300	-
200	5300	22		5700	14		5300	-
250	3500	15		3500	8		3500	-
300	400	2		800	2		400	-
400	0	0		0	0		0	-

Generator Performance

- 3-phase 240V AC generator power rated at 12.5 kW peak (11 kW continuous) output to power industrial equipment such as a plasma cutters, pumps or inverter welders. Simultaneously weld and use 3-phase AC power – for example, up to 5,300 watts can be delivered while welding at 200 amps.
- Delivers up to 11.5 kW peak (10 kW continuous) watts of 1-phase AC auxiliary power for equipment. Also used for lights, grinders and other common construction tools. You can simultaneously weld and have access to AC power – 3,500 watts can be delivered while welding at 250 amps.

Key Controls

1. Glow Plug Button
2. Weld Mode Selector Switch [5 Modes]
3. Run/Stop Switch
4. Engine Hour Meter
5. Start Push Button
6. Engine Idler Switch (High Idle/Auto Idle)
7. Fuel, Engine Temp, and Oil Pressure Gauges
8. Engine Protection Light
9. Engine Battery Charging Light
10. 120 VAC Circuit Breakers
11. 120 VAC Receptacles
12. Covered Weld Output Terminals + and -
13. Sealed GFCI Modules
14. Ground Stud
15. 120/240 VAC Full-KVA 1-Phase Receptacle
16. 240 VAC Full-KVA 3-Phase Receptacle
17. Full-KVA 1- & 3-Phase Circuit Breaker
18. 14-Pin Wire Feeder Connector
19. 3-Pin Remote Control Connector
20. Arc Force & Inductance/Pinch Control Dial
21. Welding Terminals Control Switch
22. Wire Feeder Voltmeter Polarity Switch
23. Digital Amps and Volts Output Meters
24. VRD™ Indicator Lights
25. Output Control Dial
26. Circuit Breaker for 42V wire feeder circuit
27. Circuit Breaker for Battery Charging Circuit

