

Big Blue® 400 X CC/CV

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Engine-Driven
Welder/Generator 

Quick Specs



Applications

Process Piping
Maintenance and Repair Rigs
Structural Steel
Mining Maintenance
Heavy Construction
Sheet Metal

Process

Stick
Fluxed Cored
DC Tig

IP 23

Rated Output:

400 A, 23V, 30% DC 40° C
300 A, 32V, 60% DC 40° C

Output Range:

Stick 20-410 A
MIG 14 - 30,3 V

Generator Output Rated:

Max. 12Kw 230 VAC

Weight:

499 kg

The Power of Blue.®

Designed for fleet owners that demand the ultimate in reliability and performance.

Remote toolless oil drain

allows oil to be drained without getting under the engine and reduces the chance of oil spillage.

Tailored Arc Control (DIG)

allows the arc characteristics to be changed for specific applications and electrodes.

Smooth running 7018 or stiffer, more penetrating 6010 electrodes.

Low OCV is a simple design that reduces the open-circuit voltage to 41 V when the welding machine is not in use. Does not affect arc starts.

Auto Remote Sense (ARS)

detects if a remote control is plugged into the 14-pin receptacle and eliminates confusion of the remote/panel switch.

Enclosed robust case design

protects internal components from impact and allows air flow to cool and prolong the life of the engine. Also reduces sound levels.



The Big Blue 400 X is ideal for pipeline contractors, rental or fleet managers who value reliability, ease of service, and long life at an economical price.

Low-speed industrial diesel engine

(1800 RPM) offers long service intervals, long engine life and low operating expenses.

Quiet at only 96 Lwa (77 dB at 4 m) at maximum output.

Improves work site communication and safety.

Thermal overload protection

prevents machine damage if the duty cycle is exceeded or airflow is blocked.

Marine-grade ignition switch is

sealed and protected from water and dust. One switch controls engine operation.

High efficiency 3-phase, rotating-field

welding generator requires less fuel and horsepower to operate.



Engine is warranted 2 years by engine manufacturer.
Welder/generator is warranted by Miller for 3 years, parts and labour.

MADE IN USA
APPLETON, WI



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Specifications



Welding Mode	Welding Output	Rated Output	Generated Rated Output	Max. Open-Circuit Voltage	Dimensions	Weight
CC/ DC	20 - 410 A	400 A at 23 VDC, 30% Duty Cycle 300 A at 32 VDC, 60% Duty Cycle	12.000 W max. 10.000 W cont. 230 VAC/1 Ph., 46 A 50/60 Hz	73 V (41 VRD) *	H: 813 mm W: 660 mm D: 1422 mm	499 kg
CV/ DC	14 - 30,3 V					
CV/ DC Flux Cored	14 - 30,8 V					

* Reduced OCV

Ordering Information

Power Source	Stock No.	Description
Big Blue 400 CX CC/CV Flux Cored	907 143	Caterpillar Motor and 230 V Auxiliary Power
Accessories		
Cold Weather Starting Aid	195 056	Perkins, 120V Block Heater
Digital Weld Meter Kit	195 289	Optional
FA-1D Lockable Fuel Cap Flame Arrestor	043 947	
Protective Cover	195 301	
HF 5000	V29 012 345	HF arc starter for TIG
RHC - 14	242 211 020	Hand Remote Control 6 m
PRHC - 14	028 050 25	Hand Control, with big magnet, on/off switch, 25 m
Welding cable with electrode holder and work cable with earth clamp, Dinse connectors	058 066 041	Length 5 m, 50 mm ²
	058 066 042	Length 10 m, 50 mm ²
	058 066 047	Length 15 m, 70 mm ²
	058 066 048	Length 20 m, 70 mm ²
Weld Cable Adapter	232 728	Threaded Stud to Dinse 50/70 mm ²
Suitcase 8 RC	300 660 003	Lightweight portable wire feeder
Suitcase 12 RC	300 663 004	Lightweight portable wire feeder
Suitcase X-Treme 12VS	300 659 001	Lightweight portable V-sense wire feeder, operates on OCV
Ironmate		Flux Cored Guns