SAE-400®

THE DIESEL WORKHORSE

Power to Spare

- Weld at 400A at 40V, 100% duty cycle
- Arc gouge with up to 3/8 in. (10 mm) carbons
- 4 Cylinder, 4 Cycle Water-Cooled Perkins® diesel engines

Dual Continuous Output Control

- Continuous adjustment of voltage and current
- Pure DC Generator Welding Output

Applications

Pipeline, Construction, Maintenance

Processes

Stick, TIG, *Flux Cored with CV Adapter, Gouging

Input »

Output »

DC 13 kW* CC CV**

*Only 13kW with the high AC option
**With CV adapter

ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Capacities	Operating Speeds	Fuel Consumption
Perkins Diesel[4] 1104A-44 Non-EPA (Export Only)	4 Cylinder 4 Cycle Water-Cooled Diesel Engine with Dry Cartridge Air Filter	64.4 HP @ 1,710 RPM 269 cu in. (4.4 ltrs)	Fuel: 29.0 gals (109.8 ltrs) Oil: 10.1 qts (9.6 ltrs) Radiator Coolant: 3.4 gals (12.8 ltrs)	Full Load: 1,710 (400A) High Idle: 1,800 RPM Low Idle: 1,100 RPM	1.8 gals/hr - 7.0 ltrs/hr 0.8 gals/hr - 3.0 ltrs/hr 0.5 gals/hr - 2.0 ltrs/hr

[4] Perkins Warranty is 2 years/3,000 hours. [5] Deutz Warranty is 2 years/3,000 hours.

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MACHINE SPECIFICATIONS

Product Name	Ordering Information	Description	CC Rated Output[1] Current/Voltage/Duty Cycle	Generator AC Power[2]	Dimensions HxWxD in (mm)	Net Weight lb (kg)
SAE-400 **Note: Export only-Not for sale in the U.S and Canada**	K1278-15 Perkins with High-Capacity AC Power	400 Amp DC Arc Welder with 13,000 Watts Continuous AC Power 3-Phase 10,000 Watts Continuous AC Power 1-Phase NEMA and European Receptacles Includes Polarity Switch	Lincoln Rating 400A/40V/100% 500A/40V/60% 80-575 Amps Continuous Adjustment of Voltage and Current 97V Max. OCV @ 1,800 RPM	13,000 Watts, 60 Hz NEMA Duplex Receptacles [3] 20A @ 120V Duplex Total 15A @ 240 Duplex Total Euro Receptacles 15A @ 120V 15A @ 240V Full KVA Receptacles 41.7A @ 240V 1-Phase 31.2A @ 240V 3-Phase RCD (Residual Current Device) Included	45.8 x 28 x 83 (1164 x 711 x 2109) To Top of Exhaust Tube: 50.1 (1273)	2286 (1037)
	K1278-14 Perkins	400 Amp DC Arc Welder with 3,000 Watts of AC Power NEMA and European Receptacles Includes Polarity Switch		3,000 Watts, 60 Hz 20A @ 115V (NEMA) 15A @ 115V (Euro) Shared GFCI Sealed Module 13A @ 240V (NEMA & Euro) Port to add an RCD (Residual Current Device) for Euro Receptacle	45.8 x 28 x 83 (1164 x 711 x 2109) To Top of Exhaust Tube: 50.1 (1273)	2157 (978)

[1] Based on a 10 minute period. High Altitude: For maximum rating, derate the output 5% for every 1,640 ft. (500 m) above 3,280 ft. (1,000 m).
[2] 115V or 120V will operate either 60 Hz or 50/60 Hz power tools, lights, etc. [3] Circuits cannot be wired in parallel to operate the same device.

Lincoln Electric
179 Wicksteed Ave · Toronto · ON · M4G 2B9 · Canada
www.lincolnelectric.com