

# SAE-400<sup>®</sup>

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<sup>®</sup> 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 »



\*Only 13kW with the high AC option

\*\*With CV adapter

## ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Capacities	Operating Speeds	Fuel Consumption
Perkins Diesel <sup>(4)</sup> 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

<sup>(4)</sup> Perkins Warranty is 2 years/3,000 hours. <sup>(5)</sup> Deutz Warranty is 2 years/3,000 hours.

## MACHINE SPECIFICATIONS

Product Name	Ordering Information	Description	CC Rated Output <sup>(1)</sup> Current/Voltage/Duty Cycle	Generator AC Power <sup>(2)</sup>	Dimensions HxWxD in (mm)	Net Weight lb (kg)
SAE-400  <b>Note: Export only-Not for sale in the U.S and Canada</b>	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  <u>NEMA Duplex Receptacles</u> <sup>(2)</sup> 20A @ 120V Duplex Total 15A @ 240 Duplex Total  <u>Euro Receptacles</u> 15A @ 120V 15A @ 240V  <u>Full KVA Receptacles</u> 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)

<sup>(1)</sup> 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).

<sup>(2)</sup> 115V or 120V will operate either 60 Hz or 50/60 Hz power tools, lights, etc. <sup>(3)</sup> Circuits cannot be wired in parallel to operate the same device.

### CUSTOMER ASSISTANCE POLICY

The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information. All trademarks and registered trademarks are the property of their respective owners.