VANTAGE® 400-I

DESIGNED FOR WELDING IN SPECIFIC ENVIRONMENTS

LINCOLN® ELECTRIC

Designed for Welding in Specific Environments

When it comes to pipe and construction welding, every application, and even every region, has special requirements. The engine, controls, welding and AC generator specs – all must meet the requirements of the job and the locale.

New Levels of Control

The Vantage® 400-I is one of those special duty machines. After listening closely to customers, we streamlined the new control panel to include a convenient Polarity Switch to make changing welding processes or electrodes required for each pass as easy as possible. The new dashboard includes a new engine function monitoring system that makes it easy to check temperature, pressure and fuel level throughout the day.

Tailored Specifications

We also engineered the AC generator power specs to deliver the output that is native to the regions where the machine will be used. Operators have access to up to 12,500 watts of 3 phase 380 volt power.

And All the Rest

A large 20 gallon fuel tank for long run times, an arc gouge mode when repairs are necessary, a continuous range arc force control to dial in the arc characteristics you need for every position, corrosion-resistant stainless steel panels – These are just a few of the thoughtful features built into this industrial-grade machine.

MACHINE SPECIFICATIONS

Product Name	Product Number	Rated Output[1] @ 104°F (40°C) - Current/Voltage/Duty Cycle		Rated Output[1] @ 104°F (40°C) - Welder and Generator			H[6] x W x D in (mm)	Net Weight lb (kg)
				Welding Range	Open Circuit Voltage	Auxiliary Power[3]		
Vantage® 400-I	K4169-1	DC Constant Current	300A/32V/100% 350A/28V/100% 400A/20V/40%	30 to 400 Amps	60 Volts[5]	Single Phase: 60Hz 220 Volt, 16A Three Phase: 12,500 Watts Peak/11,000 Watts Continuous 60Hz, 380 Volt, 16A	Machine Only 35.9 x 25.3 x 60.0 (913 x 643 x 1524)	1035 (469)
		DC Pipe Current	300A/32V/100%	40 to 300 Amps				
		Touch-Start™ TIG	250A/30V/100%	20 to 250 Amps				
		DC Constant Voltage[2]	300A/32V/100% 350A/28V/100%	14 to 32 Volts				
		Arc Gouging	300A/32V/100%	90 to 300 Amps				

ENGINE SPECIFICATIONS

Make/Model	Description	Horsepower & Displacement	Capacities	Starting System	Operating Speeds	Fuel Consumption
Kubota® V1505[4]	4 Cylinder, 4 Cycle, Naturally Aspirated Water-Cooled Diesel Engine, Dry Type Air Cleaner, Fuel Filter with Water Separator	22 HP @ 1800 RPM 91 cu in (1.5 L)	Fuel: 20 US Gal (76 L) Oil: 6.4 US Qts (6.0 L) Radiator Coolant: 7.2 Qts (6.8 L)	12VDC Battery and Starter with Automatic Glow Plugs	300A Load 1800 RPM	1.2 Gal/Hr 4.4 L/Hr
					High Idle 1890 RPM	0.4 Gal/Hr 1.5 L/Hr
					Low Idle 1350 RPM	0.3 Gal/Hr 1.1 L/Hr

(1) High Altitude: For maximum rating derate the output 2.5% to 3.5% for every 1000 ft. (300 m). High Temperature: For maximum rating, derate 2 volts for every 18°F (10°C) above 104°F (40°C).
(2) DC Constant Voltage capability provides convenience and added safety when welding in electrically hazardous conditions.
(3) Output rating in watts is equivelent to volt-amperes at unit power factor. Output voltage is within ± 10% at all loads up to rated capacity. When welding, available auxiliary power will be reduced.
(4) Kubota® warranty is 2 years/2,000 hours for machines shipped within the U.S., Canada, Pacfic Ocean region and Western Europe. Warranty is 1 year/1,000 hours for Central and South America, Asia, Africa and Middle East.
(5) Reduced to less than 30V in the stick mode when VRD (Voltage Reduction Device) is on.
(6) To top of enclosure, add 7.88 in. (200.2 mm) to top of exhaust pipe. Add 4.012 in. (101.9 mm) to top of Lift Bail.

ACCESSORIES	Product Number	Vantage 400-I Base Unit (K4169-1)
GENERAL		
Medium Welder Trailer	K2636-1	•
Fender Kit	K2639-1	•
Cable Rack	K2640-1	•
Four-Wheeled Steerable Yard Trailer	K2641-2	•
Spark Arrestor Kit	K1898-1	•
STICK		
Remote Output Control - 25 ft. (7.6 m) (6 pin connector)	K857	•
Remote Output Control - 100 ft. (30.5 m) (6 pin connector)	K857-1	•
Remote Output Control with 120V AC Receptacle	K2627-2	•
TIG		
Pro-Torch™ PTA-26V TIG Torch	K1783-9	•
Magnum® Parts Kit for PTA-26V TIG Torch	KP509	•
Foot Amptrol™	K870	•
Hand Amptrol™	K963-3	•
WIRE FEEDER OPTIONS		
LN-25 Ironworker™ Wire Feeder	K2614-9	•
K126 PRO Innershield® Gun	K126-12	•
Drive Roll and Guide Tube Kit	KP1697-068	•
Magnum® PRO Ready-Pak® 15 ft. (4.6 m), 0.035-5/64 in. (0.9-2.0 mm)	K2652-2-10-45	•
Drive Roll and Guide Tube Kit	KP1696-1	•

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