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PURPOSE-BUILT FOR PIPE WELDING

Cross Country® 300 Engine-Driven Welder

LINCOLN® ELECTRIC

PURPOSE-BUILT FOR PIPE WELDING

Cross Country® 300 Engine-Driven Welder

When you're in the cross-country pipeline welding business, your results are only as good as the arc quality, reliability and portability of your equipment. The Cross Country® 300 engine-driven welder gives you all three of these and more.

The Cross Country 300 keeps the operation simple with intuitive constant current (CC), constant voltage (CV) and TIG mode control. This enables the user to easily change over from stick to wire to TIG welding processes.

But the worker in the field sometimes needs more than just a welder. The Cross Country 300 gives you plenty of single and three phase AC generator power for grinders, pumps and trailers.

It all comes in a compact, lightweight package that will fit into any truck bed and give you plenty of visibility through the rear window.

Gray Painted Steel Case
(Base Model)
K4166-1

Stainless Steel Case
w/Wireless Remote
K4166-3

It's All About the Arc

Out on the pipeline spread, your job depends on whether each and every weld passes inspection. The Cross Country 300 stick arc was tuned by pipeline welders for pipeline welders. That means puddle performance is excellent for root, fill and cap passes and designed for cellulosic or low hydrogen stick electrodes.

The Size is Right

On remote job sites, you have to carry everything with you. This puts space on your rig at a premium. The Cross Country 300 is the most compact engine-driven pipe welder in its class and easily fits on most trucks. That means you get a small footprint, short height for great visibility through the truck's rear window and lower weight to go easier on your truck's suspension.

Easy to Use

It's easy to get started with the Cross Country 300. Dual continuous controls designed for pipeline welding help you tune the arc for the pipe, pass, position, conditions and more. Fewer controls improve simplicity and reliability. Service access for routine maintenance is easy, even on the truck, with sliding engine access doors on each side of the machine. Battery jumper studs are also conveniently located. Digital meters and dashboard gauges monitor key functions. The powder-coated steel enclosure and polished stainless steel exhaust stack will look great on your rig and will stand up to years of cross country travel. The new heavy-duty stainless steel case and rugged wired or wireless remotes add to the durability and utility of these welders.

Flexible

When your project calls for wire or TIG welding, you'll be ready. The Cross Country 300 supports DC stick, wire and TIG processes and easily connects to Lincoln Electric wire feeders. The powerful generator produces plenty of power for grinders, pumps and travel trailers – up to 11kW continuous three phase power. An engine block heater, standard equipment on the Cross Country 300, enables operation in cold weather environments

Processes »
Stick, Flux-Cored, MIG, TIG

Applications »
Cross country pipe
Process piping
Repair on pipe
Maintenance jobs

Output »

CC CV | DC | 11 kW | 1/3 PHASE

Input »

Product Number »

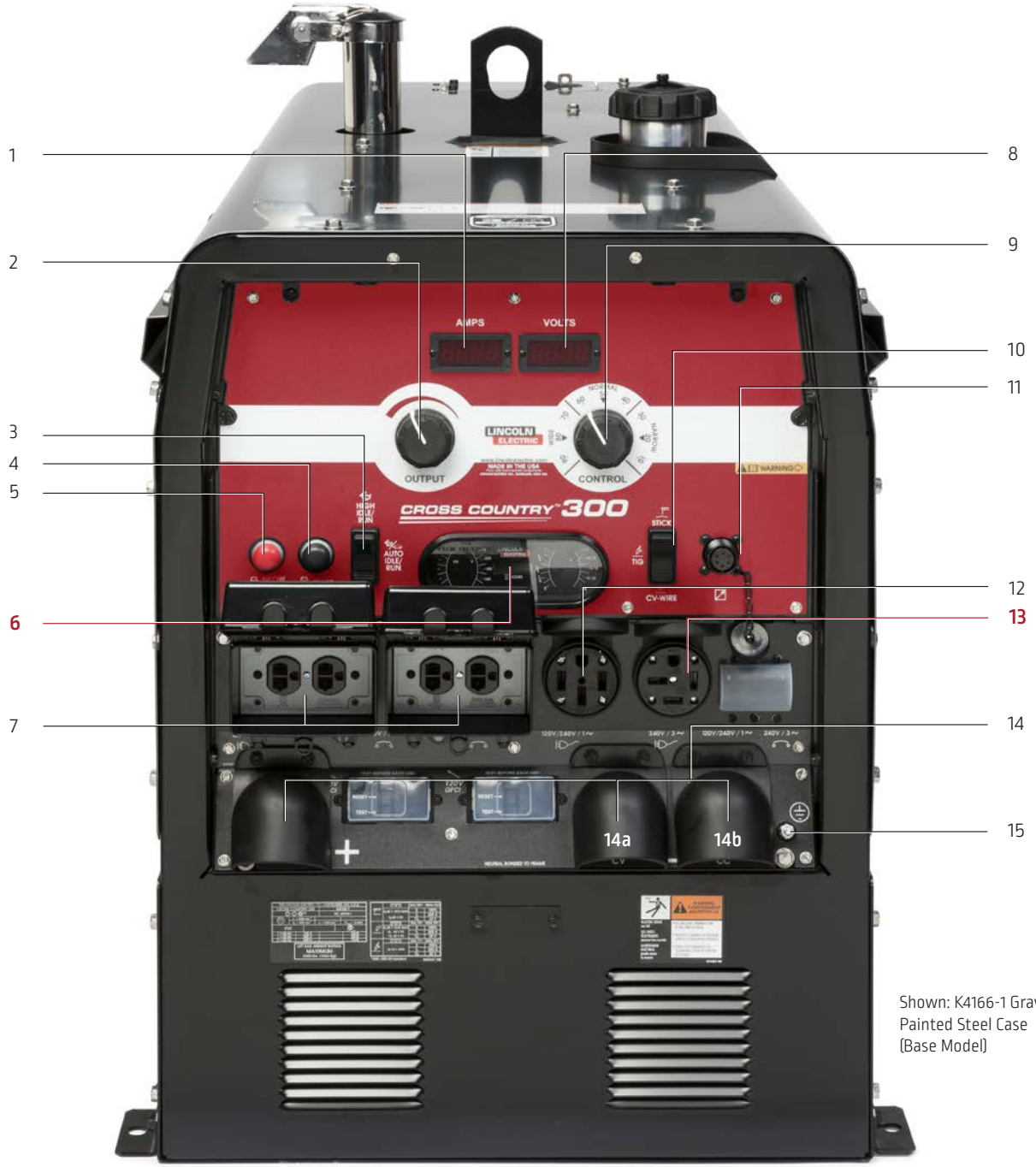
- K4166-1 Gray Painted Steel Case (Base Model)
- K4166-2 Gray Painted Steel Case w/Factory-Installed Wireless Remote Control
- K4166-3 Stainless Steel Case w/Factory-Installed Wireless Remote Control
- K4166-7 Gray Painted Steel Case w/125 foot (38.1 m) Wired Remote Control w/115V Aux. Power One-Pak® Pkg.

Controls »

1. AMMETER
2. OUTPUT
3. STOP / (LOW IDLE/RUN) / (HIGH IDLE/RUN) SWITCH
4. START BUTTON
5. GLOW PLUG PUSH BUTTON
6. DASH BOARD GAUGE
7. 120 VOLT SINGLE PHASE AC POWER
8. VOLT METER
9. CONTROL
10. WELD MODE SELECTOR SWITCH
11. 6-PIN CONNECTOR
12. 120/240 VOLT SINGLE PHASE AC POWER
13. 240 VOLT 3 PHASE AC POWER
14. WELD OUTPUT TERMINALS WITH FLANGE NUT

    14a. WORK LEAD FOR CV WELDING

    14b. WORK LEAD FOR STICK AND TIG
15. GROUND STUD



Shown: K4166-1 Gray Painted Steel Case (Base Model)

MACHINE SPECIFICATIONS

Product Name	Product Number	Description	Rated DC Output[1] Current/Voltage/Duty Cycle	Rated CV Output (DC)[1] Current/Voltage/Duty Cycle	AC Power[3][4]	Dimensions H x W x L in (mm)	Weight lb (kg)
Cross Country 300 Gray Painted Steel Case (Base Model)	K4166-1	300 Amp DC Welder 12,500 Watts Peak 11,000 Watts Continuous AC Power 3-Phase 11,500 Watts Peak 10,000 Watts Continuous AC Power 1-Phase	DC Pipe Current: 300A/32V/100% Range: 40-300 AMPS DC Touch Start TIG® 250A/30V/100% Range: 20-250 Amps	DC Constant Voltage[2] 300A/32V/100% 350A/28V/100% Range: 14-32 Volts Single Dial Continuous Control	Single Phase: 10kW Continuous Three Phase: 11 kW Continuous Two 120V Duplex Receptacles w/ Sealed GFCI Modules 20A Per Duplex 40A Total[5] 1-Phase Full KVA Receptacle: 42A@240V 42A@120V Each Branch Circuit[5] 3-Phase Full KVA Receptacle 27A@240V	31.9 x 25.3 x 56.0 (810 x 643 x 1422)	1034 (469)
Cross Country 300 Gray Painted Steel Case w/Factory-Installed Wireless Remote Control	K4166-2						
Cross Country 300 Stainless Steel Case w/Factory-Installed Wireless Remote Control	K4166-3						
Cross Country 300 Gray Painted Steel Case w/125 foot (38.1 m) Wired Remote Control w/115V Aux. Power One-Pak® Pkg.	K4166-7						

(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) When welding, available AC generator power will be reduced. Output voltage is within +/- 10% at all loads up to rated capacity.
(4) Single Phase AC Output will operate either 60 Hz or 50/60Hz power tools, lights, etc.
(5) Circuits cannot be wired in parallel to operate the same device.

ENGINE SPECIFICATIONS

	INPUT - DIESEL ENGINE					
Product Name	Engine Model	Description	Horsepower & Displacement	Capacities	Operating Speeds	Fuel Consumption
Cross Country 300	Kubota® V1505[6] EPA Tier 4 Final	4 Cylinder, 4 Cycle Water-Cooled Diesel Engine, 12V Electric Start, Dry Type Air Cleaner, Fuel Filter and Water Separator	22 HP @ 1800 RPM 91 cu in (1.5ltrs)	Fuel: 11.6 gals (44 ltrs) Oil: 6.4 qts (6.0 ltrs) Radiator Coolant: 4.8 qts (4.5 ltrs)	300A Load 1800 RPM	1.2 Gal/Hr (4.4 Ltr/Hr)
					High Idle 1890 RPM	0.4 Gal/Hr (1.5 Ltr/Hr)
					Low Idle 1350 RPM	0.3 Gal/Hr (1.1 Ltr/Hr)

(6) Kubota® warranty is 2 years/2,000 hours for machines shipped within the U.S., Canada, Pacific Ocean region and Western Europe. Warranty is 1 year/1,000 hours for Central and South America, Asia, Africa and Middle East.

ADDITIONAL ACCESSORIES	PRODUCT NUMBER
GENERAL	
Medium Two-Wheeled Welder Trailer with Duo-Hitch® – For heavy-duty road, off-road, plant and yard use.Includes pivoting jack stand, safety chains, and 13 in. (330 mm.) wheels. Overall width 60 in. (1524 mm.) Stiff .120 in. (3.0 mm.) welded rectangular steel tube frame construction is phosphate-etched and powder coat painted for superior rust and corrosion resistance. Features a Duo-Hitch 2 in. (51 mm.) Ball/Lunette Eye combination hitch.	K2636-1
Fender & Light Kit – Allows use of trailer at night and as required by local regulations. Includes fenders, lights with guards, mounting brackets, wiring and hardware.	K2639-1
Cable Storage Rack – For storage of approximately 100 ft. (30.5 m.) of 2/0 (70 mm²) welding cable per side.	K2640-1
Four Wheeled Steerable Yard Trailer with Duo-Hitch – For off-road, plant and yard use. Includes an automatically engaging drawbar lock when the drawbar is raised to the vertical position. 13 in. (330 mm.) wheels. Stiff 3/16 in. (4.8 mm.) welded rectangular steel frame construction is phosphate-etched and powder coat painted for superior rust and corrosion resistance. Also includes a Duo-Hitch 2 in. (51 mm.) Ball/Lunette Eye combination hitch. Overall width 55 in. (1397 mm.)	K2641-2
Spark Arrestor – Attaches between muffler and exhaust elbow.	K1898-1
Power Plug Kit (20A) – Provides four 115V plugs rated at 20 amps each, and one dual voltage, full KVA plug rated at 115/230V, 50 amps. (Not for use with CSA machines with GFCI receptacles.)	K802N
Full-KVA Power Plug (1-Phase)	T12153-9
Full-KVA Power Plug (3-Phase)	T12153-10
Full-KVA Adapter Kit (1-Phase) – Provides convenient connection of Lincoln Electric equipment having a 240V AC 1-phase plug (NEMA 6-50P) to the full-KVA receptacle on engine-driven welders.	K1816-1
VRD Kit (Voltage Reduction Device) – Provides additional safety in the CV wire welding mode for environments with a higher risk of electrical shock. Reduces the Open Circuit Voltage at the output terminals when not welding.	K4212-1
Cold Weather Kit – For engine starting and operation in extreme cold weather conditions.	K4213-1
REMOTE CONTROL OPTIONS	
Wired Remote Control – 125 ft (38.1 m). Includes control box, cable and 6-pin MS-Type connector	K4330-1
Wired Remote Control – 125 ft (38.1 m) wiith 115 volt AC Auxiliary Power. Includes control box, cable and 6-pin MS-Type connector.	K4268-1

ORDER WIRED REMOTES IN ONE-PAK PACKAGES OR AS ACCESSORIES

- Generous 125 ft. (38.1 m) cable
- Detachable Control Box can be stowed in your truck or job box
- Customizable MIN/MAX Range is easy to set in seconds
- K4268-1 model includes a 115V AC Auxiliary Power duplex receptacle

ORDER WIRELESS REMOTES AS FACTORY-INSTALLED IN SPECIFIC CROSS COUNTRY 300 MODELS ONLY

- Small, weather-resistant remote fits right in your hand
- 400 ft. (122 m) range, depending on obstructions
- Activate the glow plug / choke for anywhere from 1-30 seconds
- Start or stop the engine
- Activate high or low idle
- Change the Fine Current Control output for stick welding

ADDITIONAL ACCESSORIES	PRODUCT NUMBER
WIRE FEEDER OPTIONS	
LN-25 Pipe Portable Wire Feeder – Maxtrac® Wire Drive System, Dual Range Wire Feed Speed, Trigger Interlock Switch, replaceable and Flame Resistant Case, Potted PC Boards.	K2614-5
Gun Receiver Bushing for Lincoln Electric Guns – Lincoln Electric compatible gun connector kits K466-1, K613-1, K613-6, K466-8.	K1500-1
Gun Receiver Bushing for Tweco® #2-#4 Guns – Tweco #2 - #4 compatible gun connector kits K466-10, K466-2, K466-6.	K1500-2
K126™ PRO Innershield® 350A FCAW-SS Welding Gun 15 ft 062-332 – New replaceable liner system. Magnum® PRO Copper Plus™ Contact Tips. Replaceable contact tip holder. Interchangeable gun connectors for use on a wide range of feeders. Integrated trigger leads in coaxial cable rather than externally routed.	K126-11
K126™ PRO Innershield 350A FCAW-SS Welding Gun 15 ft 1/16-5/64 – New replaceable liner system. Magnum PRO Copper Plus Contact Tips. Replaceable contact tip holder. Interchangeable gun connectors for use on a wide range of feeders. Integrated trigger leads in coaxial cable rather than externally routed.	K126-12
Work and Wire Feeder 2/0 Weld Package – Includes Tweco-style Cam-Lock connectors, work clamps, 10 ft. (3.0 m.) work cable and 10 ft. (3.0 m.) electrode cable. Rated 350 amps, 60% duty cycle.	K1803-2
Tweco® Style Cam-Lock Adapter Plug for Work and Electrode Cables – Cable plug for 2/0 (50 mm²) cable.	K2946-1
Electrode Cable 3/0, 50 ft. (15.3 m) Lengths – Quantity: 2	K2485-3
Electrode Cable 2/0, 50 ft. (15.3 m) Lengths – Quantity: 2	K2485-2
TIG OPTIONS	
Pro-Torch™ PTA-26V TIG Torch – "V" model torches have a convenient gas control valve on the torch to quickly and easily control the shielding gas flow when a gas solenoid valve is not "built-in" to the power source.	K1783-9
Magnum® Parts Kit for PTA-26V TIG Torch – Magnum Parts Kits provide all the torch accessories you need to start welding. Parts Kits provide collets, collet bodies, a back cap, alumina nozzles and tungstens in a variety of sizes, all packaged in an easy to carry reclosable box.	KP509
Foot Amptrol™ – Depress pedal to increase current. Depressing pedal fully achieves maximum set current. Fully raising the pedal finishes the weld and starts the Afterflow cycle.	K870
Hand Amptrol™ Rotary Track Style – Provides 25 ft. (7.6 m) of remote current control for TIG welding.	K963-3

CUSTOMER ASSISTANCE POLICY

The business of 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.

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Publication E6.170 | Issue Date 03/16
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