

The Ultimate All-in-One Machine

Power Wave 300C CE Multi-Process Welder

LINCOLN
ELECTRIC



From technical training to industrial fabrication, Lincoln Electric is introducing an all-new industrial 300 Amp, Do-Everything Power Wave. Packed with all of the performance and leading-edge technology you expect from a Power Wave system, now completely revamped to take the industrial “all-in-one” class of welders to the next level.

The Power Wave 300C Advanced model includes AC/DC output, multi-process capabilities and advanced waveforms: Smart Pulse™, Low Fume Pulse™, and STT® – HF TIG including AC Aluminum Modes, the Power Wave 300 is a performance leader.

Key Features

- Best-in-Class Performance Industry’s only true 300Amp, 100% Duty Cycle, All-Process Machine.
- All-Process Versatility Stick, TIG, MIG, Flux-Cored, Arc Gouging processes, with advanced weld modes* and integrated High Frequency* and AC/DC capabilities*.
- Intelligent Connectivity Intelligent, operator-focused interface and powerful Industry 4.0 capabilities including CheckPoint® Production Monitoring.
- Flexible Input Power PowerConnect® Technology allows for 200V-600V input power while maintaining consistent and reliable arc performance.
- Ready-to-Run™ Design Standard features for simple and straightforward operation, including cable management hooks, integrated cart with tilting bottle rack, and TIG solenoid.

Processes

SMAW, GTAW, GMAW, GMAW-P, FCAW, GTAW-HF*, STT MIG*

Applications

Fabrication, Education, Pipe Spooling and Aluminium

Product Number

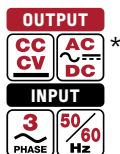
Power Wave® 300C Standard CE: K4489-1

Power Wave® 300C Advanced CE: K4490-2

Whats included

- 4.5m Work Lead, 3m Input Lead (plug required), 0.9 / 1.2mm Combination V-Groove Drive Rolls (Included in Wire Drive Assembly)

*Available on Power Wave 300C Advanced CE Model

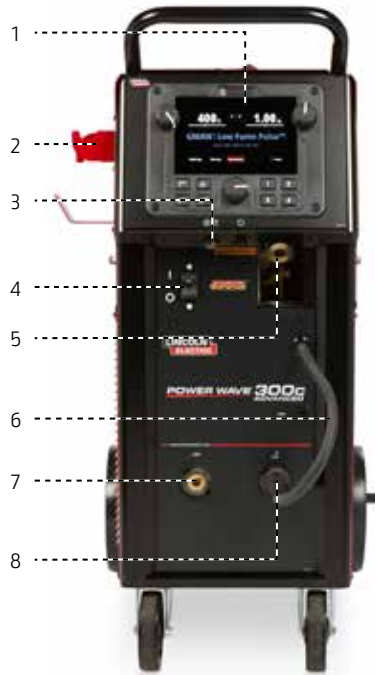


ADVANCED INTERFACE

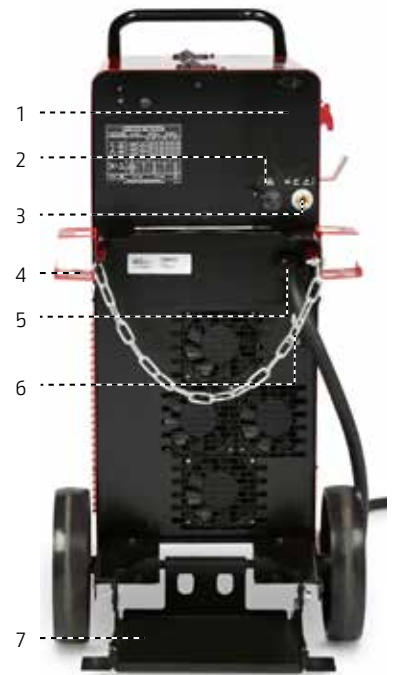


KEY CONTROLS

1. User Interface / Controls with USB Port
2. Cable / Torch Hanger
3. Remote Connection, 12 pin
4. Power Source ON/OFF
5. MIG/FCAW Gun Connection
6. Sense Lead Connection (if required)
7. Twist Mate ground connections
8. Twist Mate™ connections with integrated TIG gas solenoid



1. 115V cooler power supply
2. Ethernet Connection
3. MIG/FCAW Shielding Gas Input
4. Tool Holder
5. Power Cable Input
6. TIG Shielding Gas Input
7. Tilting Bottle Rack



ADDITIONAL POWER WAVE ACCESSORIES



K4866-1 Dual Gas Bottle Upgrade Kit

Allows for the use of multiple gas bottles or a combination of a gas bottle and water cooler on the rear of a Power Wave 300C.



K4898-1 Water cooler adapter kit

Allows Cool Arc® 40 Water Cooler to be installed in place of a gas bottle on the 300C single or dual bottle rack.



K1813-1 Coolarc 40

Allows Cool Arc® 40 Water Cooler to be installed in place of a gas bottle on the 300C single or dual bottle rack. Requires 115 volt auxiliary kit (K2829-1)

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D (mm)	Net Weight (kg)
Power Wave 300C Standard	K4489-1	380-415/460/575V 3PH 50/60Hz	GMAW: 350A / 31.5 V / 40% GMAW: 300A / 29 V / 100%	Duty Cycle 40%: 25/20/16.5 Duty Cycle 100%: 9.5/16/14	5-350A	1,007.6 x 524.5 x 1005.8	87.5
Power Wave 300C Advanced	K4490-2		SMAW: 325A / 33V / 40% SMAW: 280A / 31.2V/100% FCAW: 350A / 31.5 V / 40% FCAW: 300A / 29 V / 100% TIG: 325A / 23V / 40% TIG: 300A / 22V / 100%				102.5

RECOMMENDED ACCESSORIES



Product Name	Description	Product Number
Screen Protector	Protect the 178mm (7 inch) screen from daily bumps and scratches	KP4735-1
Remote Output Control with 12-pin Universal Connector (Figure 1)	Consists of a control box with choice of two cable lengths. Permits remote adjustment of output.	K857-2 (7.6 m 25 ft) K857-3 (30.5m 100 ft)
Powercraft® 360 MIG Gun	360A@60% Duty Cycle MIG Welding Gun	KA36040
Powercraft® PC17G TIG Torch	150A@60% Duty Cycle TIG Torch (Available in 4m and 8m)	K60075-17A-4M K60075-17A-8M
Fast-Mate™ Adapter (Figure 2)	Allows guns with a Fast-Mate™ style back end to connect into Power Wave® 300C and Power MIG® power sources	K489-8
Spindle Adapter for Small Spools (Figure 3)	Permits 200 mm (8 in.) O.D. spools to be mounted on 51 mm (2 in.) O.D. spindles	K468
Spindle Adapter for 14lb Coils	Permits 6 kg (14 lb). Innershield® coils to be mounted on 51 mm (2 in) O.D. spindles	K435
Readi-Reel™ Adapter	Adapts 10-14 kg (22-30 lb.) Lincoln Readi-Reels® of electrode to 51 mm (2 in.) spindle	K363P
Hand Amptrol Rotary Track Style, 12-pin (Figure 4)	Amphenol 7.6 m (25 ft) Remote current control for TIG welding	K963-4
Foot Amptrol™ (00002440) (Figure 5)	Provides 7.6 m (25 ft.) of remote output control for TIG welding. (12-pin plug connection).	K870-2



CUSTOMER ASSISTANCE POLICY

Lincoln Electric® business 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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice and to the extent permitted by law assumes no liability, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given. The provision of information or advice does not create, expand or alter this warranty. 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 this type of fabrication methods and service requirements. Subject to Change – This information is accurate to the best of our knowledge at the time of printing.

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