

230 (240) / 460 (480) Volt DC STICK (SMAW), TIG (GTAW) & MIG Welders

FEATURES of the ARCON Workhorse® 300S, 300ST, 300MS & 300SH

ARCON offers the series of Workhorse portable arc welders optimized to be the most rugged and reliable STICK, TIG, MIG, Stress Relief & Stud Welding power sources on the market.

- 14-Pin Remote Receptacles Allows remote devices to be connected for controlling amperage and output contactor
- Digital Display & Warning Code Circuitry Alerts operator of power supply abnormalities
- Carbon Arc Gouging Protection
- All Models Use 50 MM (DINSE) Style Plugs



Most direct replacement for the original Pow Con™ line of inverter welding power sources

The Workhorse 300S is a heavy-duty DC Stick/Lift-TIG welding machine designed specifically for the industrial & military markets. The underlying design concept was to employ proven electrical and mechanical technologies and build a "no-nonsense", cost-effective machine where usability, reliability and ruggedness are the most important design parameters.

Workhorse 300S

Best Replacement for the PowCon 300SS

PROCESS	STICK	LIFT TIG (Touch Start)	208 (230) / 460 Volts		
Part Number / Input Volts	Rated Output @ Duty Cycle (on 3-Phase)	Output Range (on 3-Phase)	Dimensions (H x W x D)	Net Weight	Price
010300-003 (240 V)	400 A @ 29% 300 A @ 60% 250 A @ 100%	10 - 180 Amps	17.9" x 10.5" x 19.5"	80 lbs.	\$2,999.90
010300-002 (460/480V) IDEAL FOR SHIPBOARD USE		80 - 400 Amps			\$2,999.90
010300-004 (240-460/480V) IDEAL FOR SHIPBOARD USE		10-200 Amps (1-Phase)			\$3,780.00



The Workhorse 300ST is a rugged DC (Arc Start) TIG and Stick welder primarily designed for TIG welding (GTAW) using time-proven SCR-inverter type technology. The single pulse capacitor arc starter does not produce high frequency radio noise, which can interfere with cell phones and other communication systems. Automatic Pre & Post flow gas control is standard.

Workhorse 300ST

Best Replacement for the PowCon 300ST

PROCESS	STICK	Arc Start TIG	208 (230) / 460 Volts		
Part Number / Input Volts	Rated Output @ Duty Cycle (on 3-Phase)	Output Range (on 3-Phase)	Dimensions (H x W x D)	Net Weight	Price
010320-043 (240 V)	400 A @ 29% 300 A @ 60% 250 A @ 100%	20 - 180 Amps	17.9" x 10.5" x 19.5"	80 lbs.	\$4,170.00
010320-042 (460/480V) IDEAL FOR SHIPBOARD USE		80 - 400 Amps			\$4,170.00
		20-200 Amps (1-Phase)			



The Workhorse 300MS is an industrial DC power source that can be used for MIG short arc (with puddle control) and spray transfer, easy strike STICK welding. The 14-pin remote connector accepts a wide variety of wire feeders and spool guns (with 24VAC, 42VAC, and 115VAC power).

Workhorse 300MS

Best Replacement for the PowCon 300SM

PROCESS	STICK	MIG	208 (230) / 460 Volts		
Part Number / Input Volts	Rated Output @ Duty Cycle (on 3-Phase)	Output Range (on 3-Phase)	Dimensions (H x W x D)	Net Weight	Price
010310-003 (240 V)	400 A @ 29% 300 A @ 60% 250 A @ 100%	30 - 180 Amps	17.9" x 10.5" x 19.5"	80 lbs.	\$3,480.00
010310-002 (460/480V) IDEAL FOR SHIPBOARD USE		80 - 400 Amps			\$3,480.00
010310-004 (240-460/480V) IDEAL FOR SHIPBOARD USE		30-200 Amps (1-Phase)			\$4,150.00



ARCON Corrosion Resistant Welders -The guarantee against corrosion-related failures (in natural environments) can be extended to 5-years when the original purchaser provides a properly completed Registration Form to the manufacturer. Below are some of the steps ARCON Welding has taken to increase corrosion resistance in natural environments:

- Transformers are protected and coated to resist corrosion.
- Circuit boards coated to protect against salt-water arc over and corrosion.*
- Resistors replaced with porcelain-coated ceramic resistors.
- Fan motor with totally encapsulated winding coil to withstand corrosive conditions.
- Terminal screws coated to prevent electrical arc-overs.

Note: Coatings used on circuit boards is not epoxy based to allow board repairs and/or components to be replaced. Other manufacturers use epoxy coatings that required expensive board replacement if a component should fail.



Foot Control 25'; Remote Amperage & On-Off Control
#WA320-032 \$259.00 Ea.



TIG Kit Part No. 10-4080 \$385.90 Ea.
Includes Regulator/Flowgauge w/6' gas hose, 200 Amp 12.5' Air-Cooled TIG Torch (with valve), 15' #1 Ground Cable with Clamp & 50mm Dinse male plug. TIG Accessory kit includes; 1 ea of 0.040"x7", 1/16"x7" & 3/32"x7" 2%Thoriated Tungsten with collet & collet bodies, 1ea 1/4", 5/16", 3/8" alumina cup. Also order Foot Control #WA320-032



TIG Kit Part No. 10-4081 \$425.50 Ea.
Includes Regulator/Flowmeter w/6' gas hose, 200 Amp 12.5' Air-Cooled TIG Torch , 15' #1 Ground Cable with Clamp & 50mm Dinse male plug. TIG Accessory kit includes; 1 ea of 0.040"x7", 1/16"x7" & 3/32"x7" 2%Thoriated Tungsten with collet & collet bodies, 1ea 1/4", 5/16", 3/8" alumina cup. Also order Foot Control #WA320-032

Additional Accessories are respectively shown on other pages in this "Joining & Cutting With Electricity" Section

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