

Workhorse



Stick/Lift Start TIG 300S 300 Amp SMAW/GTAW Inverter Power Source



**The only
SCR-type
inverter welder
made in
the U.S.A.**

MANUFACTURED BY

ARCON
Welding Equipment

ARCON WELDING EQUIPMENT (LLC)

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- Portable and Lightweight for Industrial Welding
- 300 Amps at 32 VDC 60% Duty Cycle Three-Phase
- 200 Amps at 28 VDC 100% Duty Cycle Single-Phase

BENEFITS

- Lightweight, Portable
- Constant Power
- Smooth, Stable Arc
- Reliable SCR Inverter
- Rugged Fiberglass Case
- Arc Gouging Protection
- High Power Efficiency
- Easy to Strike Arc
- Low DC Ripple Output
- 5-Zones of Thermal Protection



FEATURES

- Lift Start TIG ignition allows contact between the material and electrode without damage to the Tungsten
- Arc Force allows the operator to adjust the current surge
- Current/Time controlled cooling fan reduces dust in the welder
- Bright, easy to read, panel-mounted digital display optional
- Smart Surge Control reduces the slag inclusions in the weld
- Extra-thick skids on the bottom of the case for protection
- Stick welding current from 10 to 400 Amps in 2 ranges
- 240V single or three phase, 400V, 480V, 575V or 240/480V primary voltage

**PROVEN RELIABILITY
RUGGED CONSTRUCTION
GREAT WELDING CHARACTERISTICS**

Stick/Lift Start TIG 300S Specifications

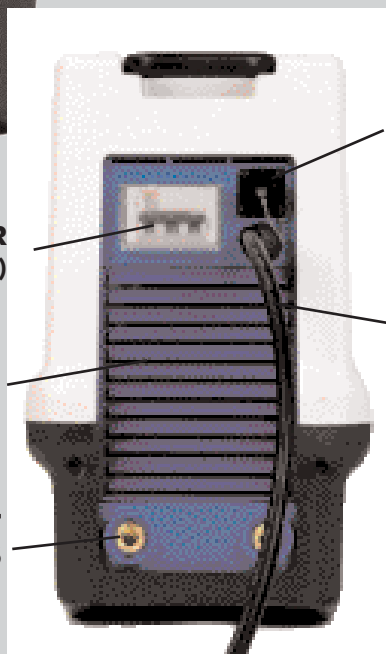
Primary Input	Rated Welding Current (Amps) @ Duty Cycle	Welding Range Amps	Open Circuit Voltage	Input Amperes at Rated Load Output 50/60 Hz				K VA KW	Efficiency	Physical Dimensions	Weight	
				240	400	480	575				Net	Ship
Three Phase	400 A @ 29% 300 A @ 60% 250 A @ 100%	Range 1 10-180 A	80 Max.	37	25	20	18	14.9 12.05	79.60%	Height 17.9" 45.5cm Width: 10.5" 26.7cm Depth 19.5" 49.5 cm	Approx. 80lbs. 36.3 kg.	Approx. 90lbs. 41.0kg.
Single Phase	200 A @ 100% 28V	Range 2 80 A - 400 A		45	NA	NA	NA	NA	NA			

240V/480V DUAL VOLTAGE OR 240V, 400V, 480V & 575V SINGLE VOLTAGE

This product line is designed for use in harsh environments. The 300S model is designed to TIG weld thin sheet metal without burn-through. The Workhorse power sources weigh 80 pounds, feature a built-in circuit breaker, and provide 5-zones of thermal protection to make this machine ideal for companies and contractors using generators or 240, 480 or 575 Volts AC for primary power. A dual Voltage model is available.



POWER ON INDICATOR
PROCESS SWITCH
RANGE SWITCH
WELD POWER
ARC FORCE



CIRCUIT BREAKER (POWER ON/OFF)
THERMOSTAT CONTROLLED VENTILATION
REMOTE CONTROL CONNECTOR
INPUT POWER CORD 12 FT (3.65M) LONG
OUTPUT TERMINALS

Product Specifications are subject to change without notice. Visit the website for information on updates and changes.

Additional information is available at www.arconweld.com or from the Distributor listed below.

Manufactured by

ARCON
Welding Equipment

www.arconweld.com

Products from
ARCON
Welding Equipment



Workhorse 300S
Stick/Lift Start TIG



Workhorse 300MS
MIG weld



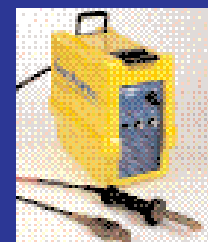
Workhorse 300ST
ArcStarter TIG



Studhorse 1200
Stud Welder



Studmatic 400 & 800
Stud Weld Controller



Ironhorse 300S
700V DC Input