

Workhorse



Arc Starter TIG 300ST 300 Amp GTAW/SMAW Inverter Power Source



- 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

- No Radio Noise Interference
- Lightweight, Portable
- Constant Power
- Powerful TIG Arc Ignition
- Smooth, Stable Arc
- Reliable SCR Inverter
- Rugged Fiberglass Case
- Arc Gouging Protection
- High Power Efficiency
- Low DC Ripple Output
- 5-Zones of Thermal Protection



FEATURES

- Superior TIG arc ignition without annoying high-frequency radio interference
- Capacitive Discharge TIG arc starter ignition allows for no contact between the material and electrode when igniting the arc to avoid contamination
- Built-in Gas Valve for automatic gas control
- Current/Time controlled cooling fan reduces dust in the welder
- Smart Surge Control reduces the slag inclusions in the weld
- Bright, easy to read, panel-mounted digital display
- Stick welding current from 20 to 400 Amps in 2 ranges
- 240V single or three phase, 400V, 480V or 575V dedicated primary voltage

Includes a 3-year limited warranty and lifetime technical support to the original owner.

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

MANUFACTURED BY

ARCON
Welding Equipment

ARCON WELDING EQUIPMENT (LLC)

2203 Northwood Drive, Bldg.10, Salisbury, MD 21801

Phone: 410.572.6000 • Fax: 410.572.6027

sales@arconweld.com • www.arconweld.com

PROVEN RELIABILITY
RUGGED CONSTRUCTION
GREAT WELDING CHARACTERISTICS

TIGweld 300ST Specifications

Products from
ARCON
Welding Equipment

Primary Input	Rated Welding Current (Amps) @ Duty Cycle	Welding Range Amps	Open Circuit Voltage	Input Amperes at Rated Load Output 50/60 Hz				KVA KW	Efficiency	Physical Dimensions	Weight	
				240	400	480	575				Net	Ship
Three Phase	400A @ 29% 300A @ 60% 250A @ 100%	Range 1 20-180A	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	200A @ 100% 28V	Range 2 80A - 400A		45	NA	NA	NA	NA	NA			

240V, 400V, 480V & 575V SINGLE VOLTAGE



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



Workhorse 300S
Stick/Lift Start TIG



Workhorse 300MS
MIGweld



Workhorse 300ST
ArcStarter TIG



Studhorse 1200
Stud Welder



Studmatic 400 & 800
Stud Weld Controller



Ironhorse 300S
700V DC Input