

# Studhorse 1000DM

## 1000 AMP Inverter Power Source

• 5-YR GUARANTEE AGAINST CORROSION-RELATED FAILURES IN NATURAL ENVIRONMENTS •



**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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Toll Free: 888.512.7266

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- Portable and Lightweight for Industrial Stud Welding
- 4 per Minute Duty Cycle @ 1000 Amps for 5/8" Studs
- Stepless Weld Power and Time Adjustment
- 5-year Corrosion Protection Guarantee in Natural Environments

### BENEFITS

- Lightweight, Portable
- Regulated Output
- Welds Wide Range of Sizes
- Reliable SCR Inverter
- Rugged Fiberglass Case
- Pilot Current
- Kick Start
- After Burn
- Short-Circuit Protection
- High Power Efficiency
- 5-Zones of Thermal Protection

### FEATURES

- Drawn Arc Stud Welding up to 1000 Amps
- Welds full-base Studs from 1/4" (6mm) to 5/8" (16mm)
- Complete systems available with gun and cables
- Digital Start/Stop replaces mechanical Contactor
- Bright, easy to read digital display
- Extra-thick skids on the bottom of the case for protection
- Stepless 0.05 to 1.00-second Time Control
- 400V or 480V three-phase input voltage; 35/30A time-delay fusing



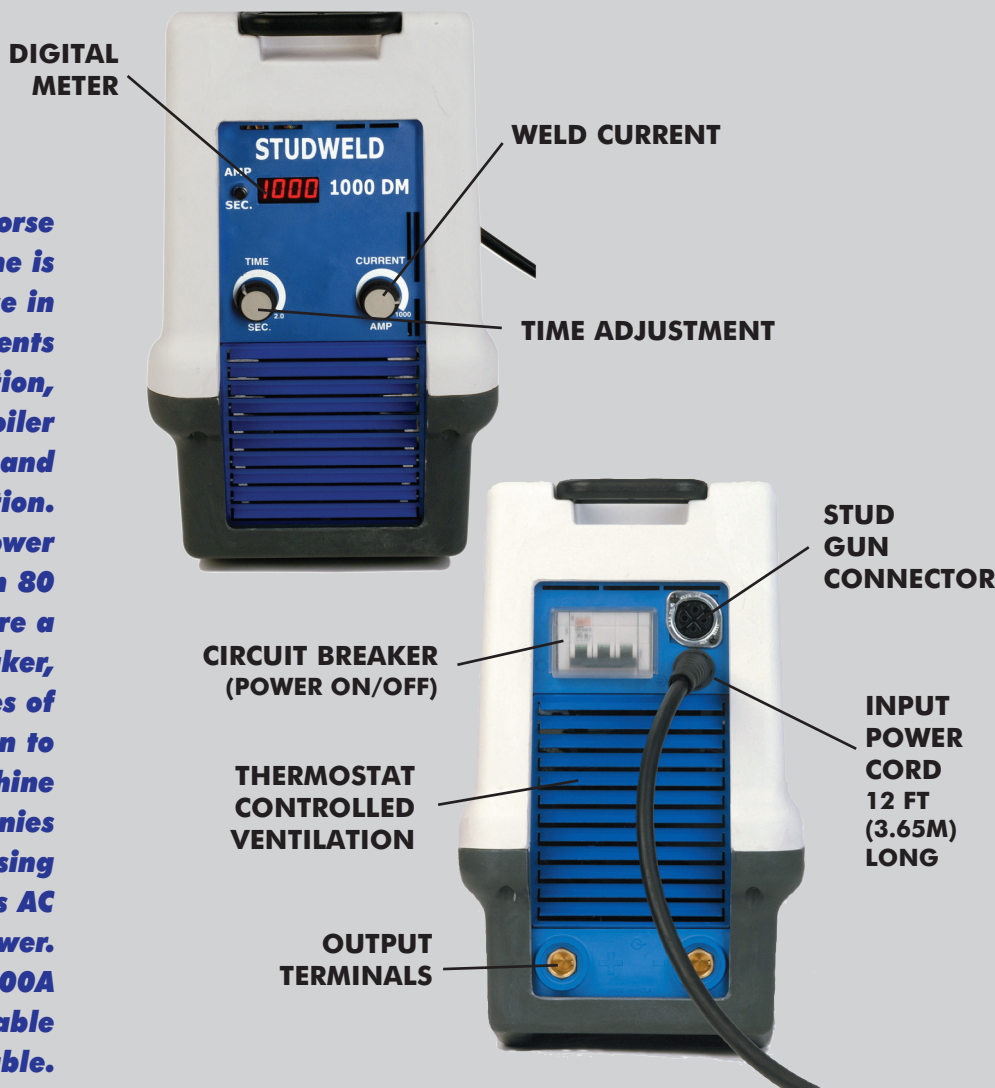
**PROVEN RELIABILITY  
RUGGED CONSTRUCTION  
GREAT WELDING CHARACTERISTICS**

# Studhorse 1000DM Specifications

Products from  
**ARCON**  
Welding Equipment

Primary Input	Duty Cycle For Continuous Operation	Open Circuit Voltage	Recommended Fusing		KW	Efficiency	Physical Dimensions	Weight	
			400V	480V				Net	Ship
400V or 480V Three Phase	5/8" 4/min 1/2" 6/min 5/16" & 3/8" 8/min 1/4" unlimited	8V	35A "slow blow"	30A "slow blow"	23.8	79%	Height: 17.9" 45.5cm Width: 10.5" 26.7cm Depth: 19.5" 49.5cm	Approx. 80lbs. 36.3kg.	Approx. 90lbs. 41.0kg.

400V or 480V SINGLE VOLTAGE "Slow Blow Fuse"



*The Workhorse product line is designed for use in harsh environments including construction, shipbuilding, boiler manufacturing and equipment fabrication.*

*Studhorse 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 400 or 480 Volts AC for primary power. Designed for 1200A using 50 ft. 2/0 cable or 75 ft. of 4/0 cable.*

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](http://www.arconweld.com) or from the Distributor listed below.

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Welding Equipment

[www.arconweld.com](http://www.arconweld.com)



Workhorse 300S  
Stick/Lift Start TIG



Workhorse 300MS  
MIG weld



Wire Feeders  
WF200R and WF400R



Workhorse 300ST  
ArcStarter TIG



Studhorse  
1000DM & 1200DM  
Stud Welders



Ironhorse 300S  
700V DC Input