

# 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**

...probably the toughest welders on the planet

ARCON WELDING EQUIPMENT (LLC)

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

Phone: 410.572.6000 • Fax: 410.572.6027

Toll Free: 888.512.7266

sales@arconweld.com • www.arconweld.com

- 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
- 100% Corrosion Protected
- 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

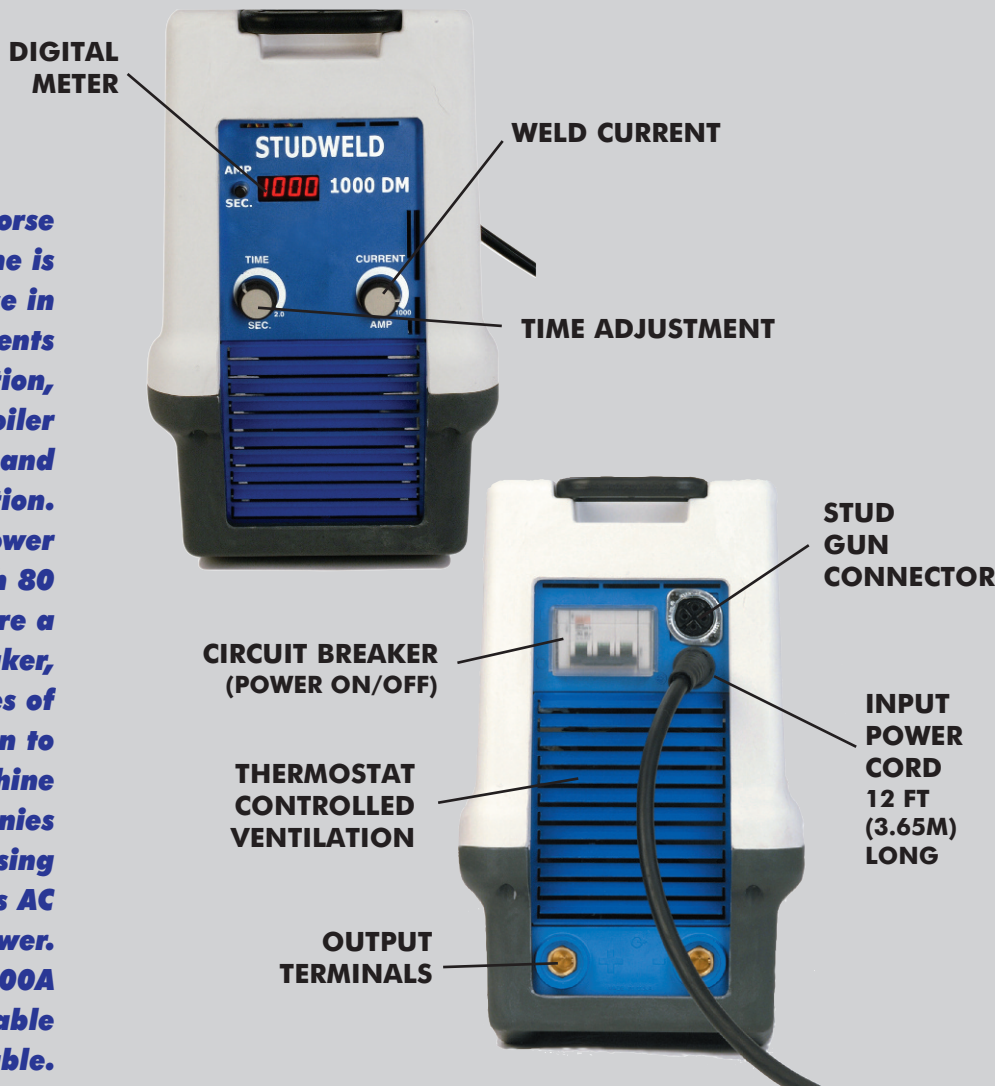
**PROVEN RELIABILITY  
RUGGED CONSTRUCTION  
GREAT WELDING CHARACTERISTICS**

# 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<br>1/2" 6/min<br>5/16" & 3/8" 8/min<br>1/4" unlimited | 8V                   | 35A "slow blow"    | 30A "slow blow" | 23.8 | 79%        | Height: 17.9" 45.5cm<br>Width: 10.5" 26.7cm<br>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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[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