

ArcMaster® 175 TE



**NEW
INVERTER**

Tough, Compact . . . and Portable

**GOLD WARRANTY
2 Years**

Quick Specifications

Processes

STICK (SMAW)
TIG (GTAW) LIFT TIG
TIG (GTAW) HF

Industrial Applications

Maintenance & Repair
Utility & Farm
Home Application

Input Voltage

230 VAC 1 Phase

Rated Output

STICK 175A @ 20%, 27V
TIG 175A @ 20%, 17V

Max OCV

65

Weight (machine)

7.5 kg

Order Information

Part No: W1003003

ArcMaster 175 TE, Power Source
with leads, TIG Torch & case



ArcMaster® 175 TE Power Source complete with:

- 5m Electrode Lead
- 5m Work Lead
- 3m TIG Torch
- Carry strap
- Carry case
- Operating manual

This compact inverter welding machine has infinitely adjustable welding current from 5 to 175 amps.

It runs standard general purpose .098" (2.5mm) electrodes for light gauge work, generally less than .118" (3.0mm) thick, and 1/8" (3.2mm) or .157" (4.0mm) electrodes for heavier material. The unit also has a lift TIG and HF TIG function that offers stable TIG welding characteristics when used with a suitable TIG torch and shielding gas.

Features

Thermal Overload Protection!

Adjustable Arc Control!

Adjustable Down Slope Control!

Lift Start TIG!

HF Arc Starting!

Trigger Control!

35-50 Dinse Sockets!



Benefits

Indicator alerts the operator if duty cycle is exceeded or airflow is blocked.

For Manual Arc (Stick) welding - the operator can adjust the arc penetration to eliminate electrode stick

For TIG welding - the operator can adjust the time for the weld current to ramp down to eliminate craters

Provides TIG arc starting without use of high frequency

Provides non-contact arc starting that eliminates tungsten or material contamination

2T (normal) for short weld runs and 4T (Latch) for long weld runs

Better current carrying capacity on negative and positive outlets

THERMAL ARC
WeldSkill

Thermadyne UK
Tel: (44) 1257 261755 Fax: (44) 1257 224800
www.thermadyne.com

Thermadyne Italia
Tel: (39) 023 6456801 Fax: (39) 023 6456840
Form No.: ArcMaster 175 TE_Europe

ArcMaster® 175 TE



Specifications

ArcMaster 175 TE

Welding Output

Output range	5-175A (230V)
Nominal DC Open Circuit Voltage (OCV)	65
Welding Output, 104°F (40°C), 10 min. (quoted figures refer to SMAW output)	175A @ 20%, 27.0V 110A @ 60%, 24.4V 80A @ 100%, 23.2V
Rated Input Current (A) for STICK Welding	40 Amps
Rated Input Current (A) for TIG Welding	24 Amps
Rated Output for STICK Welding	175A @ 20%, 27V
Rated Output for TIG Welding	175A @ 20%, 17V
Duty Cycle (%)	20% @ 175A
Welder Type	Inverter Power Source with High Frequency
Output Terminal Type	Dinse 50

Mains Power

Input Voltage	230V 1 Phase 50/60 Hz
Single Phase	10 kVA



Dimensions & Weight

Dimensions (HxWxD)	330 x 130 x 255 mm
Weight	7.5 kg

Classification

Protection Class	IP23S
Standard	IEC 60974-1
Cooling Method	Fan Cooled

Ordering Information

PRODUCT	PART NO.	DESCRIPTION
ArcMaster® 175 TE	W1003003	Package comes with: ArcMaster 175 TE power source, 5m electrode lead, 5m work lead, 3m TIG Torch, operating manual, carry strap & case
ACCESSORIES		
Site Carry Case	W4012800	Accommodates the power supply, work lead, electrode lead, TIG torch & accessory kit
Stick Kit	90924	Stick Kit (earth cable + clamp, electrode holder and lead)
TIG Torch	W4012700	Torch TIG, 17, 3m, 50mm Dinse with 5/8"-18 UNF Male gas fitting

Control Panel

1. Power on Indicator. Visibly indicates that input power is present.
2. Amperage Control - the amperage control selects the desired amperage between 5-175A.
3. Thermal Overload Indicator.
4. Trigger mode selection switch (TIG process only).
5. Adjustable Arc Control (Manual Arc (Stick) process only) or Adjustable Down Slope Control (TIG process only).
6. Manual Arc (Stick) Lift TIG, HF TIG weld process selection control.

Not Shown

7. Eight pin socket for torch trigger switch connection (Remote weld current control is not available).
8. 50mm Dinse weld terminals.

