

**208 (230) / 460 Volt AC / DC TIG (GTAW)**

**and STICK (SMAW)**



The Thermal Arc® ACDC SERIES offer AC & DC offer the highest value and performance in a TIG welding power source. All functions and controls are easily set through robust, easy to use push button switches on the front panel. Each function is marked by a symbol and lighted LED that clearly marks which function is being adjusted. The ACDC series includes a digital AMP / Volt Meter, Gas Solenoid Valve, remote control capabilities, VRD (Voltage Reduction Device) circuit, Current Pulsing and Sloping with Repeat Function as standard features.

**FEATURES for the 186, 200, & 300 ACDC SERIES**

- **Smart Logic® Capability** Eliminates damage if the machine is accidentally installed to the improper voltage
- **Push Button Control Panel** Easy access to all functions and controls down to 5 amps
- **True Square Wave HF AC Output** Provides AC TIG wave-shaping to control weld bead
- **Pulse Mode (Standard)** Fully Adjustable pulse parameters for precise control of weld shape
- **TIG Modes (Slope Repeat and Spot)** Control over the start and weld crater, repeatable weld cycle
- **Remote Receptacle** Allows remote devices to be connected for controlling amperage and output contactor
- **Warning Code Circuitry** Alerts operator of power supply abnormalities
- **VRD Inside (Voltage Reduction Device)** reduces the OCV when the power supply is not in use, eliminates the need for add on voltage reducers, and has no effect on arc starting
- **All Models Use 50 MM (DINSE) Style Plugs**

**186 ACDC**



| PROCESS                        | STICK  | LIFT TIG | HF TIG              | 208 (230) Volts                                |
|--------------------------------|--|----------|---------------------|--|
| <b>Part Number</b>             | <b>Rated Output @ Duty Cycle</b>                   |          | <b>Output Range</b> | <b>Dimensions (H x W x D)</b>                  |
| <b>W1006301</b><br>(208-230 V) | 200 A / 18 V @ 20% TIG<br>100 A / 24 V @ 60% STICK |          | 5- 200 Amps         | 15.75" x 9.45" x 18.7"<br>400 x 240 x 475 (mm) |

**186 ACDC Machine Only**  
w/9' Primary Input Cable w/Plug  
#W1006301 **\$1,899.00 Ea** 3-Year Warranty See Details

**186 ACDC NOT FOR SHIPBOARD USE**  
208-230 Volts only (Single Phase)

**Weighs less than 40 lbs.**  
Portability, easy to carry

8-Pin Remote Outlet

**COMPLETE Model 186 ACDC**  
w/15' Foot Control, 12.5' TIG Torch, Consumables, 13' Ground Cable, 10' Electrode Cable, Flowgauge & 12' Hose  
#W1006303 **\$2,049.00 Kit**



**ArcMaster® 200 ACDC**



| PROCESS                             | STICK   | LIFT TIG | HF TIG                         | 208 (230) / 460 Volts                        |
|-------------------------------------|---|----------|--------------------------------|--|
| <b>Part Number</b>                  | <b>Rated Output @ Duty Cycle</b>                  |          | <b>Output Range</b>            | <b>Dimensions (H x W x D)</b>                |
| <b>10-3083</b><br>(208-230 / 460 V) | 200 A / 18V @ 20% TIG<br>160 A / 26 V @ 40% STICK |          | *5 - 200 Amps<br>(*10 Amps AC) | 14.2" x 7.1" x 16.5"<br>360 x 180 x 420 (mm) |

**ArcMaster® 200 ACDC Machine Only**  
w/10' Primary Input Cable  
#10-3083 **\$3,346.50 Ea**

**200 ACDC IDEAL FOR SHIPBOARD USE**  
208-230/460 Volts

**Weighs less than 40 lbs.**  
Portability, easy to carry

8-Pin Remote Outlet

**COMPLETE ArcMaster® 200 ACDC**  
w/Foot Control, 12.5' TIG Torch, Consumables, 15' Ground Cable, 15' Electrode Cable, Flowmeter & 12' Hose  
#10-3083A-1 **\$3,699.00 Kit**



**ArcMaster® 300 ACDC**



| PROCESS                             | STICK   | LIFT TIG | HF TIG              | 208 (230) / 460 Volts                        |
|-------------------------------------|---|----------|---------------------|--|
| <b>Part Number</b>                  | <b>Rated Output @ Duty Cycle</b>  |          | <b>Output Range</b> | <b>Dimensions (H x W x D)</b>                |
| <b>10-3074</b><br>(208-230 / 460 V) | 300 A / 32 V @ 25% (208-230/460 V, 3 ph)<br>250 A / 30 V @ 40% (208-230/460 V, 3 ph)<br>300 A / 32 V @ 25% (208-230 V, 1 ph)<br>250 A / 29 V @ 60% (208-230V, 1 ph) |          | 5 - 300 Amps        | 16.5" x 8.3" x 17.7"<br>420 x 210 x 450 (mm) |

**ArcMaster® 300 ACDC Machine Only**  
w/10' Primary Input Cable  
#10-3074 **\$6,421.00 Ea**

**300 ACDC IDEAL FOR SHIPBOARD USE**  
208-230/460 Volts

**Weighs less than 55 lbs.**  
Portability, easy to carry

14-Pin Remote Outlet

**COMPLETE ArcMaster® 300 ACDC**  
w/Foot Control, 12.5' TIG Torch, Consumables, 15' Ground Cable, 15' Electrode Cable, Flowmeter & 12' Hose  
#10-3074A-1 **\$7,590.00 Kit**



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**STANDARD FEATURES ON THE 186, 200 & 300 ACDC MODELS**

Inbuilt 'Smart Logic' prevents damage from connection to incorrect voltage.

Integrated VRD Circuit (Voltage Reduction Device).

Simple to use operator interface.

Digital Display includes Volt/amp meter, parameter setting, thermal overload protection & Warning circuitry indicator

Process switch: STICK, Lift-Start & HF Start/Cont. TIG functions.

Digital Process Control: Standard, Slope, with repeat and spot.

