



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

and STICK (SMAW)

FEATURES for the ArcMaster® 185, 200, & 300 ACDC

The Thermal Arc® ArcMaster® 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 ArcMaster® 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.

- **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 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**

ArcMaster® 185 ACDC



ArcMaster® 185 ACDC Machine Only
w/10' Primary Input Cable
#10-3073 \$2,695.00 Ea

PROCESS	STICK	LIFT TIG	HF TIG	208 (230) Volts
Part Number	Rated Output @ Duty Cycle		Output Range	Dimensions (H x W x D)
10-3073 (208-230 V)	185 A / 17.4 V @ 30% TIG 160 A / 27 V @ 40% STICK		*5 - 185 Amps (*10 Amps AC)	14.2" x 7.1" x 16.5" 360 x 180 x 420 (mm)
			Net Weight	37.5 lbs. (17.0 ka)

185 ACDC NOT FOR SHIPBOARD USE
208-230 Volts only (Single Phase)
Weighs less than 40 lbs.
Portability, easy to carry

COMPLETE ArcMaster® 185 ACDC
w/Foot Control, 12.5' TIG Torch, Consumables, 15' Ground Cable, 15' Electrode Cable, Flowmeter & 12' Hose
#10-3073A-1 \$2,999.00 Kit



8-Pin Remote Outlet

ArcMaster® 200 ACDC



ArcMaster® 200 ACDC Machine Only
w/10' Primary Input Cable
#10-3083 \$2,999.00 Ea

PROCESS	STICK	LIFT TIG	HF TIG	208 (230) / 460 Volts
Part Number	Rated Output @ Duty Cycle		Output Range	Dimensions (H x W x D)
10-3083 (208-230 / 460 V)	200 A / 18V @ 20% TIG 160 A / 26 V @ 40% STICK		*5 - 200 Amps (*10 Amps AC)	14.2" x 7.1" x 16.5" 360 x 180 x 420 (mm)
			Net Weight	37.5 lbs. (17.0 kg)

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

Weighs less than 40 lbs.
Portability, easy to carry

COMPLETE ArcMaster® 200 ACDC
w/Foot Control, 12.5' TIG Torch, Consumables, 15' Ground Cable, 15' Electrode Cable, Flowmeter & 12' Hose
#10-3083A-1 \$3,532.00 Kit



8-Pin Remote Outlet

ArcMaster® 300 ACDC



ArcMaster® 300 ACDC Machine Only
w/10' Primary Input Cable
#10-3074 \$6,115.00 Ea

PROCESS	STICK	LIFT TIG	HF TIG	208 (230) / 460 Volts
Part Number	Rated Output @ Duty Cycle		Output Range	Dimensions (H x W x D)
10-3074 (208-230 / 460 V)	300 A / 32 V @ 25% (208-230/460 V, 3 ph) 250 A / 30 V @ 40% (208-230/460 V, 3 ph) 300 A / 32 V @ 25% (208-230 V, 1 ph) 250 A / 29 V @ 60% (208-230V, 1 ph)		5 - 300 Amps	16.5" x 8.3" x 17.7" 420 x 210 x 450 (mm)
			Net Weight	53 lbs. (24.0 ka)

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

Weighs less than 55 lbs.
Portability, easy to carry

COMPLETE ArcMaster® 300 ACDC
w/Foot Control, 12.5' TIG Torch, Consumables, 15' Ground Cable, 15' Electrode Cable, Flowmeter & 12' Hose
#10-3074A-1 \$7,284.00 Kit



14-Pin Remote Outlet

STANDARD FEATURES ON THE 185, 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.

