

TIG/STICK WELDING EQUIPMENT »

alphaTIG 203Xi



COMMERCIAL DUTY AC/DC PULSE TIG AND STICK WELDER

- DIGITAL HIGH CONTRAST LCD DISPLAY IS CLEAR AND EASY TO READ
- AC AND DC OUTPUT FOR TIG AND STICK
- TIG PULSES IN BOTH AC AND DC MODES
- SYNERGIC RAPID SET MODE MAKES SETUP EASY AND QUICK
- DIGITALLY CONTROLLED PARAMETERS AND OUTPUT
- 200 A TIG OUTPUT @ 60% DUTY CYCLE (AC OR DC)
- 180 A STICK OUTPUT @ 35% DUTY CYCLE (AC OR DC)
- OPERATES ON 240V OR 120V OUTPUT ($\pm 10\%$)



APPLICATIONS:

- MOTOR SPORTS
- FABRICATION
- RESTAURANT AND FOOD
- MARINE
- PROTOTYPING
- PORTABLE REPAIR

A NEW TRADITION IN WELDING.

Since 2014, AHP has been leading the way in providing capable, high quality welders at an entry level price. This has led to AHP products being found at nearly every level of the welding industry in North America. The newest addition to the TIG welding line from AHP Welding Systems is the AlphaTIG 203Xi. This unit is leading the way in the industry by offering full digital control with a high contrast color LCD digital display which makes setup and viewing welding functions simple and painless.

The range of functions that are available for adjustment and control make this unit perfectly suitable for any professional in need of a 200A class TIG ma-

chine. However, if you are a novice welder, the AlphaTIG 203Xi also has features for you with the simple "Rapid Set" function which dials in the Amperage for you.

To use the Rapid Set mode, simply select your welding mode, and select the tungsten diameter, and the machine automatically selects a pre-programmed Amperage for you. Don't worry about being "locked" into some engineer's idea of a perfect amperage and being too hot or too cold for your needs. In the rapid set mode, the unit allows you to have a range of adjustment if you need to fine tune them to suit your particular welding conditions. For those needing stick, the Rapid Set mode also works similarly in stick mode.



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ALPHATIG 203Xi SPECIFICATIONS

Voltage Input	120V/240V
Input Amperage 120V Inrush (I _{1MAX}), Rated Effective (I _{1EFF})	42A/25A
Input Amperage 240V Inrush (I _{1MAX}), Rated Effective (I _{1EFF})	34A/24A
TIG Output 120V AC/DC	20-150A, 10.8-16V / 5-150A, 10.2-16V
TIG Output 240V AC/DC	20-200A, 10.8-18V / 5-200A, 10.2-18V
Stick Output 120V AC/DC	20-125A, 20.8V-25V / 20-125A, 20.4V-25V
Stick Output 240V AC/DC	20-180A, 20.8-27.2V / 20-180A, 20.4V-27.2V
OCV	75V
TIG Duty Cycle @ Max Output 120V/240V	60% @ 150A, 16V / 60% @ 200A, 18V
Stick Duty Cycle @ Max Output 120V/240V	35% @ 125A, 25V / 35% @ 180A, 27.2V
E6010 Capable	No, use E6011
TIG Pre Flow Gas/Post Flow Gas Time (Seconds)	0-10 S / 0-25 S
TIG Up Slope/ Down Slope Time (Seconds)	0-10 S/ 0-25 S
TIG Start/End Amps AC/DC	20A AC, 5A DC to 200A / 20A AC, 5A DC to 200 A
AC Frequency	20-200 Hz
AC Balance	20-80% of Electrode Positive
TIG Pulse Frequency (Hertz) AC/DC	.5-150 Hz / .5-250 Hz
TIG Pulse Time On (Percent)	10-90 %
TIG Base Pulse Amps (Percent)	5-95 %
2T/4T/Pedal Control Capability	Yes
TIG Start Type	HF and Lift Start (not live type, but with switch/pedal activation)
Unit Weight and Dimensions	40 lbs., 18"H X 9.5"W X 17"L
Plug Type and Length	NEMA 6-50P, 6.5 ft.



STANDARD PACKAGED ACCESSORIES:

- NOVA ROTAFLEX 26 SERIES TIG TORCH (AIR COOLED) WITH 12.5 FT. CABLE AND DINSE 35/70 DINSE TYPE POWER CONNECTION
- 250A STICK ELECTRODE HOLDER, WITH 9 FT. CABLE AND CONNECTOR
- WORK CLAMP WITH 6 FT CABLE AND CONNECTOR
- FLOATING BALL TYPE (BRASS BILLET CONSTRUCTION) REGULATOR AND HOSE
- NOVA FOOT PEDAL WITH 25 FT CABLE AND 7 PIN CONNECTOR
- 240V TO 120V INPUT PIGTAIL POWER ADAPTER (NEMA 6-50P TO 15-5R)
- BASIC CONSUMABLE STARTER KIT (TUNGSTEN NOT INCLUDED)

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SUGGESTED OPTIONAL ACCESSORIES:

- CHILL MASTER 300 WATER COOLER
- NOVA ROTAFLEX 20 SERIES TIG TORCH (WATER COOLED) 12.5 FT. OR 25 FT.
- NOVA WIRELESS PEDAL FOR AHP PRODUCTS



FRONT PANEL USER INTERFACE:



SALES CONTACT NORTH AMERICA:

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