Maxstar® 200 STR

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Stick/TIG Welding Power Source

Quick Specs

Industrial Applications
Petro/Chem Fabrication
Mechanical Contractors
Shipboard Installation
Mining
Process Piping
MRO

Processes
Stick (SMAW) Lift Stick
TIG (GTAW) Lift-Arc

Input Power Requires 1- or 3-Phase Power

Amperage Range 5–200 A

Max. Open-Circuit Voltage 80

Weight 32 lb (14.5 kg)

The Power of Blue®

Easy installation — Auto-Line™ provides state-of-the-art flexibility to the end user. The Auto-Line circuitry automatically connects to 120–460 VAC, single- or three-phase power without removing the covers to relink the power source. No longer is there a concern if you have the correct machine for shop or the job site.

NEW! **Low OCV Stick** is a simple design that reduces the open-circuit voltage to 13 volts when the welding power source is not in use. This circuit design is now built into the Maxstar 200 STR eliminating the need for add-on voltage reducers.

Adaptive Hot Start™ for Stick arc starts automatically increases the output amperage at the start of a weld should the start require it. Prevents the electrode from sticking and creating an inclusion.

Optional 4-pack racks are available for multiple operator applications. These are commonly used in construction and shipyard applications.

Includes two International-style connectors 35/50.

Superior Stick arc performance on all input voltages. Even on the difficult-to-run electrodes like E6010.

Lift-Arc™ start provides TIG arc starting without the use of high frequency.

Portable in the shop or at the job site — at 32 lb the Maxstar 200 STR easily moves from location to location.

Inverter-based, DC power source has a **simple-to-use operator interface** providing only the necessary controls in a compact machine.

DIG control allows the arc characteristics to be changed for specific applications and electrodes. Lower the DIG setting for smooth running electrodes like E7018 and increase the DIG setting for stiffer, more penetrating electrodes like E6010.

Remote amperage control provided through 14-pin receptacle on front of the machine. This permits use of standard remote amperage control devices.

TRUE BLUE® 3YR. WARRANTY

Power source is warranted for 3 years, parts and labor.
Original main power rectified parts are warranted for 5 years.

MADE IN USA
APPLETON, WI

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ISO 9001:2000 REGISTERED QUALITY SYSTEM

Specifications (Subject to change without notice.)

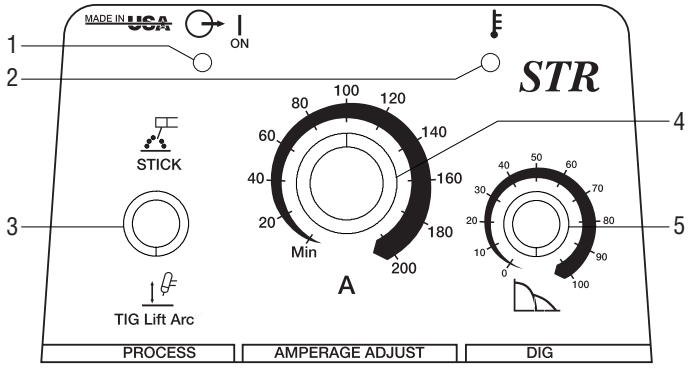
Welding Mode	Input Power	Rated Output	Welding Amperage Range	Max. Open-Circuit Voltage	Amps Input at Rated Load Output, 50/60 Hz, 120 V	200 V	230 V	400 V	440 V	460 V	KVA	KW	Dimensions	Net Weight
Stick (SMAW)	3-Phase	150 A at 26 V, 60% Duty Cycle	120 VAC, 1–90 A	80 VDC, 9–14 VDC**	— —	14.7 0.16*	13.1 0.16*	7.4 0.24*	6.6 0.24*	6.4 0.25*	5.2 0.06*	5.0 0.03*	H: 13-1/2 in (343 mm) W: 7-1/2 in (191 mm) D: 17-1/2 in (445 mm)	32 lb (14.5 kg)
	1-Phase	150 A at 26 V, 60% Duty Cycle	200–460 VAC, 1–200 A		— —	24.9 0.25*	21.7 0.23*	— —	— —	— —	5.0 0.05*	5.0 0.02*		
		125 A at 25 V, 50% Duty Cycle			34.1 0.42*	19.6 0.25*	17.2 0.23*	— —	— —	— —	4.0 0.05*	3.8 0.03*		
		90 A at 24 V, 100% Duty Cycle			25.0 0.42*	— —	— —	— —	— —	— —	4.0 0.05*	3.8 0.03*		
TIG (GTAW)	3-Phase	175 A at 17 V, 60% Duty Cycle	120 VAC, 1–140 A	80 VDC	— —	12.1 0.16*	10.5 0.16*	6.0 0.24*	5.3 0.24*	5.2 0.25*	4.2 0.06*	4.0 0.03*		
	1-Phase	175 A at 17 V, 60% Duty Cycle	200–460 VAC, 1–200 A		— —	19.9 0.25*	17.4 0.23*	— —	— —	— —	4.0 0.05*	4.0 0.02*		
		150 A at 16 V, 70% Duty Cycle			29.7 0.42*	17.1 0.25*	14.1 0.23*	— —	— —	— —	3.4 0.05*	3.4 0.03*		
		110 A at 15 V, 100% Duty Cycle			20.0 0.42*	— —	— —	— —	— —	— —	2.0 0.05*	2.0 0.03*		

** Indicates idle draw. ** Sense voltage for Stick and Lift-Arc TIG.*

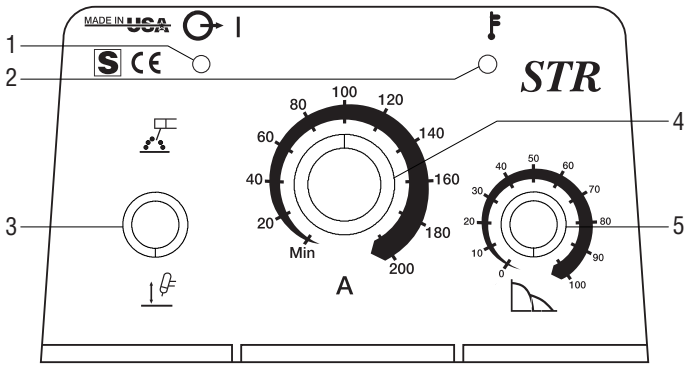
CSA applied for. *Models with CE specifications are available and manufactured according to the Standards IEC-974-1 and EN-60974-1.*

Control Panel

Maxstar 200 STR



Maxstar 200 STR (CE)



1. Output Light
2. Overtemp Light
3. Weld Process Selector Switch
4. Amperage Adjustment Control
5. Dig Adjustment Control

Control Panel Parameter Values

A. Amperage (A) 5–200 **B.** Dig Control (%) 1–100