

Mark VIII[®]-2

Multiple Operator Welding System

Index No. DC/10.0
Issued Dec. 1999



Processes

-  Stick (SMAW) Welding
-  TIG (GTAW) Welding
-  Air Carbon Arc (CAC-A) Cutting and Gouging
-  Flux Cored (FCAW) and MIG (GMAW) Spray Transfer with Voltage-Sensing Feeder



Note: Main power rectifier parts warranted for 5 years.



This durable, heavy-duty multiple operator welding system drives eight modules from a single main transformer. Each welding module features remote

control capabilities, and a wide range of amperage settings. Modules can be easily paralleled for extra welding power.

The Mark VIII[®]-2 operates 24 hours a day with exceptional productivity and durability. Housed in a rugged steel enclosure, this performer has repeatedly proven its ability to withstand the punishment of the worst weather and construction site elements.

Applications

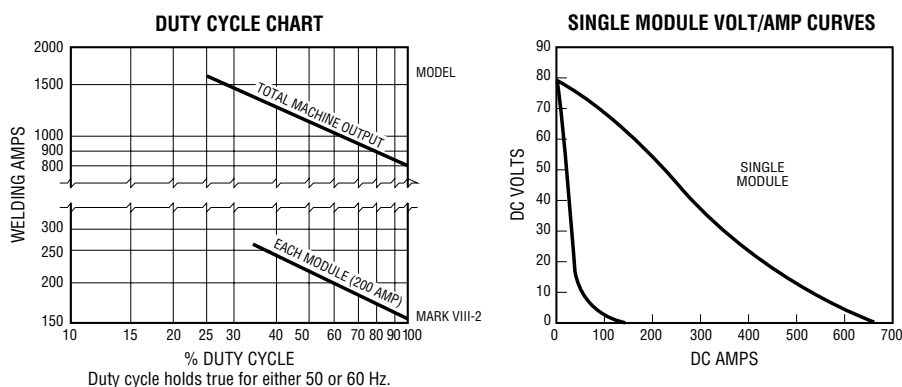
- Shipbuilding
- Construction
- Fabrication
- Training facilities
- Maintenance
- Rental fleets
- Petro chemical

Features

MagAmp technology	MagAmp technology provides good arc and puddle control and offers years of reliable operation. The tough mechanical components handle the most demanding work environments.
Eight welding modules	Each module offers up to 300 amps output, or parallel modules for extra welding power. Each module can be connected for either DC straight or reverse polarity.*
Multiple capabilities	The Mark VIII-2 can handle Stick, DC-TIG welding, and wire welding (FCAW and MIG) with a voltage-sensing feeder. You can also use this one unit for Air Carbon Arc cutting and gouging.
Steel frame	Rugged and durable enclosure protects system and simplifies transportation of eight welding arcs.
115 VAC duplex receptacle	Supplies 10 amps of auxiliary power.

*Consult ANSI Z49.1, Section 4 and OSHA, 29 CFR, subpart Q before connecting for both straight and reverse polarity.

Performance Data



Specifications (Subject to change without notice.)

Heavy Industrial   

Rated Output at 40 Volts Single Model Main Transformer	DC Welding Current Range, Single Module	Max. Open-Circuit Voltage	Amps Input at Rated Output of 800 A, 50 or 60 Hz 220 V 230 V 380 V 440 V 460 V 575 V KVA KW	Dimensions	Weight
200 A at 60% Duty Cycle 800 A at 100% Duty Cycle 1600 A at 25% Duty Cycle	35-300 A	80	178 170 103 89 85 68 68 48.6	H: 70-1/4 in (1.8 m) W: 72 in (1.8 m) D: 40 in (1 m)	Net: 4050 lb (1837 kg) Ship: 4075 lb (1848 kg)

Ordering Information See back page.



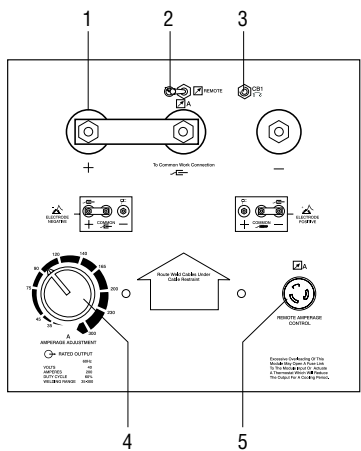
Miller Electric Mfg. Co.
An Illinois Tool Works Company
1635 West Spencer Street
Appleton, WI 54914 USA

International Headquarters
Phone: 920-735-4505
USA FAX: 920-735-4134
Canadian FAX: 920-735-4169
International FAX: 920-735-4125

Web Site
www.MillerWelds.com



Control Panel



- 1. Polarity Jumper Link
- 2. Remote Amperage Control Switch
- 3. Module Circuit Breaker
- 4. Amperage Adjustment Control
- 5. Remote Amperage Receptacle

Accessories

HF-251D-1 High Frequency Arc Starter
#042 388

This portable 250 amp, 60% duty cycle unit adds high frequency to the welding circuit to help start the TIG arc. Operates on 115 VAC 50/60/100 Hz. See Lit. Index No. AY 5.1.

Super S-32P Wire Feeder #159 928-02-1

This portable, voltage-sensing feeder is required for Flux Cored (FCAW) welding and MIG spray transfer. The stock number listed is recommended because it is equipped with a secondary contactor and gas solenoid valve. See Lit. Index No. M/6.3.

S-32S Wire Feeder #088 816

A portable, voltage-sensing wire feeder for .035–5/64 in (0.6–2.0 mm) flux cored wire. See Lit. Index No. M/6.21.

S-32SL Wire Feeder #109 294

A portable, voltage-sensing wire feeder for 5/64–7/64 in (2.0–2.8 mm) flux cored wire. See Lit. Index No. M/6.21.

RHC-3 Remote Hand Amperage Control
#040 056

Furnished with 20 ft (6 m) cord and plug.

MIG Hook-Up Kit

#173 856 25 ft (7.6 m) 2/0 cable
Includes gas hose assembly, lugged weld cable assembly and work cable with clamp.

Stick Hook-up Kit

#173 851 50 ft (15.2 m) 2/0 cable
Includes electrode holder, weld cable and ground cable with clamp.

Ordering Information and System Checklist

Power Source and Options	Stock No.	Description	Qty.	Price
Mark VIII-2	#901 348 #902 703	230/460/575 V, 60 Hz 220/380/440 V, 50/60 Hz		
Mark VIII-2 Module	#902 149			
MIG Accessories				
S-32S	#088 816	See Lit. Index No. M/6.21		
S-32SL	#109 294			
Super S-32P	#159 928-02-1	See Lit. Index No. M/6.3		
MIG Hook-Up Kit	#173 856	2/0 cable, 25 ft. Includes gas hose, weld cable, ground cable with clamp and regulator/flowmeter.		
RHC-3	#040 056	Remote hand control		
Gas Cylinder				
Gas Hose and Fittings				
Stick Accessories				
Stick Hook-Up Kit	#173 851	2/0 cable, 50 ft. Includes electrode holder, weld cable and ground cable with clamp.		
Stick Electrodes				
Scratch Brush				
Chipping Hammer				
TIG Accessories				
HF-251D-1	#042 388	HF arc starter/stabilizer		
Torch and Consumable Parts				
Gas Cylinder				
Gas Hose and Fittings				
Tungsten				
Miscellaneous				
Primary Power Cable				
Helmet				
Welding Gloves				
Date:		Total Quoted Price:		

Distributed by:

