

# Master MLS 2500/3500

## Premium MMA welding quality



### In brief

- Specific design for MMA welding
- Compact and portable
- Control panel choice for varied applications
- Designed for all electrode types
- MMA and TIG welding function
- Suitable for use with power generators



### Applications

- Installation and set-up
- Repair and maintenance
- Shipyards and offshore industry
- Chemical and process industry



## Key features

Master MLS machines offer the best choice in MMA welding refinement. Combine either the 250 or 350 amp power source with the basic MEL or advanced MEX control panels for outstanding welding performance. High 40% duty cycle ensures you have the work capacity to get the job done; whilst the compact and lightweight specification makes work around site easy.

Control panel options MEL and MEX include all of the necessary parameter functions for high quality MMA welding. MEL panel includes process selection for MMA or basic TIG welding, large, clear meter display, hot start and arc force control, plus remote control function. MEX panel offers a more diverse selection of parameter controls including: Electronic electrode type selector, arc gouging, or broken arc welding technique and memory channel function. High quality TouchArc function provides a credible DC TIG welding facility.



Master MLS. Shown here with T100 2-wheel transport unit

## Options



MEL



MEX

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# Master MLS 2500/3500

## Technical specifications

Master MLS™		2500	3500
Connection voltage	3~, 50/60 Hz	400 V (-15...+20 %)	400 V (-15...+20 %)
Rated power at max. current	MMA	9.4 kVA	15 kVA
	TIG	8.4 kVA	13.8 kVA
Connection cable	H07RN-F	4G1.5 (5 m)	4G2.5 (5 m)
Fuse, delayed		10 A	16 A
Output 40 °C	40 % ED	250 A/30 V (300 A/22 V TIG)	350 A/34 V (400 A/26 V TIG)
	100 % ED	160 A/26.4 V	220 A/28.8 V
Welding range	MMA	10 A/20.5 V...250 A/30 V	10 A/20.5 V...350 A/34 V
	TIG	5 A/10 V...300 A/22 V	5 A/10 V...400 A/26 V
Open circuit voltage		80 V	80 V
Power factor at 100% ED		0.95	0.95
Efficiency at 100% ED		86 %	86 %
Stick electrode	∅	1.5...5.0 mm	1.5...6.0 mm
External dimensions	L x W x H	500 x 180 x 390 mm	500 x 180 x 390 mm
Weight		20 kg	21 kg

## Ordering codes

Master MLS™ 2500		6104250
Welding cable 35 mm <sup>2</sup>	2.5 m	6184301
Earth return cable 25 mm <sup>2</sup>	2.5 m	6184311
Electric plug 16 A	5-poles	9770812
Master MLS™ 3500		6104350
Master MLS™ 3500 VRD		6104350C1
Welding cable 50 mm <sup>2</sup>	2.5 m	6184501
Earth return cable 50 mm <sup>2</sup>	2.5 m	6184511
Electric plug 16 A	5-poles	9770812
Control panels		
MEL		6106000
MEX		6106010



Master MLS is designed for professional use in demanding conditions.

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