

Master MLS™ – Technical Data

■ Master MLS™		2500	3500
Rated power max.	MMA	9.4 kVA	15 kVA
	TIG	8.4 kVA	13.8 kVA
Load capacity	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
Fuse, delayed		10 A	16 A
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
Stick electrode	∅ mm	1.5–5.0	1.5–6.0
External dimensions L x W x H		500 x 180 x 390 mm	500 x 180 x 390 mm
Weight		20 kg	21 kg

Master MLS™ – Ordering information

■ Power Sources		■ Remote control units		
Master MLS™ 2500	6104250	R10	5 m	6185409
Master MLS™ 3500	6104350	R10	10 m	618540901
■ Control panels		R11T wireless		6185442
MEL	6106000	R11F foot pedal		6185407
MEX	6106010	Remote control extension cable for R10	10 m	6185481

See www.kemppi.com for more information and details.



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Master MLS™

Excellent arc control,
durable design



2500, 3500



MMA welding machines for all electrode types.
Excellent arc control features and durable design.

+ In brief

- Durable and reliable for industrial welding environments
- Compact design for portability and easy access
- ICS™ protection system guarantees flawless operation
- Control panel choice with alternative control functions for MMA and TIG welding

+ Main applications

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



Master MLS 2500



Master MLS 3500

■ Durability and progressive features

Kemppli's Master MLS family combines a choice of efficient 3-phase welding machines, equipped with versatile functions for both MMA and DC TIG welding. There are two power classes available: 250- and 350-ampere versions at 40% duty cycle.

The sturdy, compact structure and the isolated cooling system (ICS™) of the Master MLS machines makes them very suitable for use on work sites and extreme industrial conditions.

In addition to generous welding power, they offer plenty of progressive features in order to improve the weld quality and work efficiency.



+ MEX control panel option

- Panel control, remote control and TIG torch control (RTC 10)
- Hot start and Arc force control
- Operating mode selection: MMA or DC TIG welding, carbon arc gouging, or broken arc welding technique
- Electrode type selector
- Memory channels
- Large clear meter display



+ MEL control panel option

- Selection for MMA or basic TIG welding process
- Large, clear meter display for welding current and arc voltage
- Hot start and arc force control
- Remote control

■ Easy control with the MLS technology

The control of Master MLS machines is achieved using advanced Kemppli multi-logic system technology, or MLS, which allows the welder to easily adjust precise properties for each particular welding task.

■ Master MLS control panels

Master MLS units have two control panel options: the MEL panel containing the basic functions needed for MMA welding, and the MEX panel with a more diverse selection of parameter controls.

With the MEX control panel you can store your welding settings into memory channels and retrieve them conveniently for use when needed. In addition, MEX includes an electrode selection feature that automatically presets the machine to provide the optimum performance for the given electrode types.

MEL and MEX control panels include large clear meter displays, giving reliable and clear view of welding data. The arc dynamics and hot start functions ensure excellent arc ignition and smooth welding performance.