

MasterTig MLS 3000/4000

Some tools simply feel better to use than others



In brief

- DCTIG and MMA power output
- Compact size ensures effortless mobility
- Excellent ignition quality, even with long TIG torches
- Quick pulse function increases welding speed and quality
- Suitable for mains or power generator use



Applications

- Installation and set-up
- Repair and maintenance
- Thin sheet metal fabrication workshops
- Chemical and process industry



Key features

MasterTig MLS DC range has become an industry standard for many users, offering precise welding performance and lightweight, portable design.

A popular choice for welding professionals, options include 200, 300 and 400 amp power sources with 30% duty cycle at maximum output current.

Choose from four control panel options, allowing you to select exactly the parameter control that's right for your welding application. MTL/MTX/MTM/MTZ control panel options contain basic and specialist functions required for quality DC TIG and MMA welding. Features can include: HF or contact ignition, pre-gas and post-gas control, torch switch latching 2T/4T, remote control and setup options, welding current upslope and downslope timer, MMA ignition pulse, MMA arc dynamics, pulse and synergic pulse TIG, spot timer, 4T log and memory channel function.



MasterTig MLS equipment is lightweight and portable for site use, but delivers high welding current and duty cycle.

MasterTig MLS options



MTL



MTX



MTM



MTZ

MasterTig MLS 3000/4000

Technical specifications

MasterTig MLS™		3000	4000
Connection voltage	50/60 Hz	3~, 400 V -15...+20 %	3~, 400 V -15...+20 %
Rated power at 100 % ED	TIG	8.4 kVA	13.8 kVA
	MMA	9.4 kVA	15 kVA
Connection cable	HO7RN-F	4G1.5 (5 m)	4 G2.5 (5 m)
Fuse, delayed		10 A	16 A
Output 40 °C	30 % ED TIG	300 A/22 V	400 A/26 V
	60 % ED TIG	230 A/19.2 V	320 A/22.8 V
	100 % ED TIG	200 A/18 V	270 A/20.8 V
	35 % ED MMA	-	-
	40 % ED MMA	250 A/30 V	350 A/34 V
	60 % ED MMA	205 A/28.2 V	285 A/31.4 V
	100 % ED MMA	160 A/26.4	220 A/28.8 V
Welding range	TIG	5 A/10 V ... 300 A/22 V	5 A/10 V ... 400 A/26 V
	MMA		
Open circuit voltage		80 V DC	80 V DC
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		22 kg	23 kg
MasterCool 10			
Connection voltage	50/60 Hz	400 V (-15...+20 %)	
		230 V (-15...+10 %)	
Cooling power	100 % ED	1.0 kW	
Rated power	100 % ED	250 W	
External dimensions	L x W x H	500 x 180 x 260 mm	
Weight		10 kg	

Ordering information

Power Sources	
MasterTig 3000 MLS	6114300
MasterTig 4000 MLS	6114400
Cooling units	
MasterCool 10	6122350
Control panels	
MTL	6116000
MTX	6116005
MTM	6116010
MTZ	6116015
Transport units	
T 100	6185250
T 130	6185222
T 200	6185258