

MasterTig 235ACDC GM AU

MT235ACDCGMAU

Professional multi-voltage ACDC TIG welder, delivering 230 A from a 1-phase 230 V power supply. Suitable for generator use. VRD is locked on, meaning this model is specifically for the Australian market.

Technical data

Description	Value
Mains connection voltage	240 V $\pm$ 10 %
Mains connection voltage (MV low range)	110 V $\pm$ 10 %
Mains connection phases	1~50/60 Hz
Mains connection cable type	3G, H07RN-F
Mains connection cable size	2.5 mm ²
Maximum supply current [I _{lmax}]	25 A
Effective supply current [I _{leff}]	15 A
Mains fuse	15 A
No-load voltage (MMA/TIG) [U ₀]	91 V
No-load voltage (MMA) [U _r]	23 V
No-load voltage (MMA) VRD [U _r VRD]	23 V
Open circuit voltage (MMA) [U _{av}]	23 V
Idle power	20 W
Output, duty cycle % at rated max. current, TIG	40 %
Output at +40 °C, rated max current, TIG	230 A
Output at +40 °C, 60% TIG	200 A

Description	Value
Output at +40 °C, 100% TIG	170 A
Output at +40 °C, rated max current, TIG (@MV low range)	130 A
Output at +40 °C, 60% TIG (@MV low range)	120 A
Output at +40 °C, 100% TIG (@MV low range)	90 A
Output range, TIG	3 A / 1 V ... 230 A / 31 V
Output range, MMA	10 A / 10 V ... 180 A / 40 V
Output range, TIG (@MV low range)	3 A / 1 V ... 130 A / 24 V
Output range, MMA (@MV low range)	10 A / 1 V ... 85 A / 35 V
Power factor at rated maximum current [λ]	0.99
Efficiency at rated maximum current [η]	84 %
EMC class	A
Arc-on signal for relay	24 V / 50 mA
Stick electrode diameter	1.6 mm...5 mm
Voltage supply for cooling unit	240 V
Welding connection type	R1/4
Wired communication type	Analog, Kemppi Remote-Bus
Wireless communication type	Bluetooth
Transmitter frequency and power	2400...2483.5 MHz, 10 dBm
Operating temperature	-20 °C...40 °C
Storage temperature	-20 °C...60 °C
Recommended minimum generator power [S _{gen}]	8 kVA
Degree of protection (fully installed)	IP23S
External dimensions, length	544 mm
External dimensions, width	205 mm
External dimensions, height	443 mm
Weight without accessories	19.1 kg
Standards	IEC 60974-1,-3,-10, IEC 61000-3-12, AS 60974.1-2006, GB 15579.1