



Master T 355 ACDC

MST355ACDC

A professional ACDC TIG welder delivers 350 A from a 3-phase 400 V power supply.

Technical data

Description	Value
Mains connection voltage	380...460 V \pm 10 %
Mains connection phases	3~50/60 Hz
Mains connection cable type	4G, H07RN-F
Mains connection cable size	2.5 mm ²
Maximum supply current [I _{lmax}]	16 ... 13 A
Effective supply current [I _{leff}]	11 ... 10 A
Rated maximum input power [S _{lmax}]	12 kVA

Description	Value
Mains fuse	16 A
No-load voltage, MMA/TIG [U0]	75 ... 95 V
Idle power	20 W
Output, duty cycle % at rated max. current, TIG	30 %
Output at +40 °C, rated max current, TIG	350 A
Output at +40 °C, 60% TIG	230 A
Output at +40 °C, 100% TIG	190 A
Output, duty cycle % at rated max. current, MMA	35 %
Output at +40 °C, rated max current, MMA	270 A
Output at +40 °C, 60% MMA	230 A
Output at +40 °C, 100% MMA	190 A
Output range, TIG	5 A / 1 V ... 350 A / 38 V
Output range, MMA	10 A / 10 V ... 270 A / 39 V
Power factor at rated maximum current [λ]	0.93
Efficiency at rated maximum current [η]	86 %
EMC class	A
Minimum short-circuit power of supply network [Ssc]	1.7 MVA
Stick electrode diameter	1.6 ... 6 mm
Voltage supply for cooling unit	380...460 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 ... 40 °C
Storage temperature	-40 ... 60 °C
Recommended minimum generator power [Sgen]	20 kVA
Degree of protection (fully installed)	IP23
External dimensions, length	544 mm
External dimensions, width	205 mm
External dimensions, height	443 mm
Weight without accessories	22 kg
Standards	IEC 60974-1,-3,-10, IEC 61000-3-12, GB 15579.1