



Master S 400

632140001

Master S 400 is designed for high-performance Stick (MMA) welding. 400 A power source including cellulose welding characteristics provides great welding results with pleasurable welding experience.

Technical data

Description	Value
Mains connection voltage	380...440 V ± 10 %
Mains connection phases	3~50/60 Hz
Mains connection cable type	4G, H07RN-F
Mains connection cable size	4 mm ²
Maximum supply current [I _{lmax}]	26 A
Effective supply current [I _{leff}]	20 A
Rated maximum input power [S _{lmax}]	18 kVA

Description	Value
Mains fuse	25 A
Open circuit voltage (MMA) [Uav]	80 V...95 V
Output at +40 °C, 60% TIG	400 A
Output at +40 °C, 100% TIG	310 A
Output at +40 °C, 60% MMA	400 A
Output at +40 °C, 100% MMA	310 A
Output range, TIG	30 A / 5 V ... 400 A / 48 V
Output range, MMA	30 A / 12 V ... 400 A / 48 V
Power factor at rated maximum current [λ]	0.89
Efficiency at rated maximum current [η]	89 %
EMC class	A
Minimum short-circuit power of supply network [Ssc]	4.8 MVA
Stick electrode diameter	1.6 mm...6 mm
Welding connection type	DIX
Operating temperature	-20 °C...50 °C
Storage temperature	-20 °C...60 °C
Recommended minimum generator power [Sgen]	25 kVA
Degree of protection (fully installed)	IP23S
External dimensions, length	570 mm
External dimensions, width	270 mm
External dimensions, height	370 mm
Weight without accessories	20.5 kg
Standards	IEC 60974-1, -10