



Kempact 253A

6412530

KempPI compact welder with adaptive control panel for cost-efficient MIG/MAG welding, delivering 250 A with a 3-phase 400 V power supply.

Technical data

Description	Value
Mains connection voltage	400 V $\pm$ 15 %
Mains connection phases	3~50/60 Hz
Mains connection cable type	4G, H07RN-F
Mains connection cable size	1.5 mm ²
Maximum supply current [I _{lmax}]	11.9 A
Effective supply current [I _{leff}]	6.1 A
Rated maximum input power [S _{lmax}]	8.5 kVA

Description	Value
Mains fuse	10 A
Idle state power consumption [P _{idle}]	25 W
No-load voltage [U ₀]	41 V
Output, duty cycle % at rated max. current, MIG	40 %
Output at +40 °C, rated max current, MIG	250 A
Output at +40 °C, 100% MIG	150 A
Output range, MIG	20 A / 10 V ... 250 A / 31 V
Voltage adjustment range, MIG	8 V...31 V
Power factor at rated maximum current [λ]	0.93
Efficiency at rated maximum current [η]	88 %
EMC class	A
Filler wire diameter, Fe	0.8 mm...1.2 mm
Filler wire diameter, Fe-MC/FC	0.8 mm...1.2 mm
Filler wire diameter, Ss	0.8 mm...1.2 mm
Filler wire diameter, Al	1 mm...1.2 mm
Wire feed speed	1 m/min...18 m/min
Maximum wire spool weight	20 kg
Maximum wire spool diameter	300 mm
Control panel, model	LCD Adaptive
Control panel, type of installation	Built-in
Operating temperature	-20 °C...40 °C
Storage temperature	-40 °C...60 °C
Degree of protection (fully installed)	IP23S
External dimensions, length	623 mm
External dimensions, width	579 mm
External dimensions, height	1070 mm
Weight without accessories	44 kg
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10