



Minarc Evo 180

61002180

Kemppi 1-phase stick welder offering 180 A of welding power.

Technical data

Description	Value
Mains connection voltage	230 V $\pm$ 15 %
Mains connection phases	1~50/60 Hz
Mains connection cable type	3G, H07RN-F
Mains connection cable size	1.5 mm ²
Maximum supply current [I _{lmax}]	24 A
Effective supply current [I _{leff}]	15 A
Rated maximum input power [S _{lmax}]	5.7 kVA

Description	Value
Mains fuse	16 A
No-load state power consumption (MMA), power save	30 W
No-load voltage (MMA/TIG) [U ₀]	100 V
No-load voltage (MMA) [U _r]	90 V
Open circuit voltage (MMA) [U _{av}]	90 V
Output, duty cycle % at rated max. current, TIG	35 %
Output at +40 °C, rated max current, TIG	180 A
Output at +40 °C, 100% TIG	130 A
Output, duty cycle % at rated max. current, MMA	30 %
Output at +40 °C, rated max current, MMA	170 A
Output at +40 °C, 100% MMA	115 A
Output range, TIG	10 A / 10 V ... 180 A / 30 V
Output range, MMA	10 A / 15 V ... 170 A / 32 V
Power factor at rated maximum current [λ]	0.99
Efficiency at rated maximum current [η]	84 %
EMC class	A
Stick electrode diameter	1.5 mm...4 mm
Welding connection type	DIX
Operating temperature	-20 °C...40 °C
Storage temperature	-40 °C...60 °C
Recommended minimum generator power [S _{gen}]	8.5 kVA
Degree of protection (fully installed)	IP23S
External dimensions, length	361 mm
External dimensions, width	139 mm
External dimensions, height	267 mm
Weight without accessories	5.85 kg
Standards	IEC 60974-1, -10, IEC 61000-3-12