

Welder Inverter MIG/MAG MMA/TIG Lift Paton ProMIG-160 (15-2)



Paton ProMIG-160 welder inverter – basic information

The Paton ProMIG 160 welder inverter is designed for semi-automatic MIG/MAG welding with shielding gases and protective mixtures, manual arc MMA welding and argon shielded TIG welding with direct current.

The design of the ProMIG 160 15-2 model (15 kilogram spool, also capable of handling a 5 kilogram spool – 2 roll feeder) provides some of the best protection against external influences on the market. This model's rated current of 160A at a duty cycle of 70% is a result that allows intensive welding of 6 mm materials without the risk of overheating. The power source can be separated from the welding wire feed mechanism for ease of use and safety. A characteristic feature of PATON™ Professional Series semi-automatic machines is the high-quality sealed metallic wire feeder, as well as the existing KZ-2 "EURO" type connector, which has become a standard worldwide, allowing the user to change the handle at will in the future.

In a completely electronic system, the control system has absolutely all the resources of the source, within the limits of its full power and regardless of what method is used. The device of "Professional" series is designed for industrial use, for the most demanding users.

Functions and capabilities of the versatile Paton ProMIG-160 welding machine

GASLESS WELDING FUNCTION – WELDING WITH SELF-SHEATHED WIRE

All PATON MIG/MAG welding machines are adapted for welding with self-source wire. Such welding, as opposed to the traditional MIG/MAG welding process, is carried out without shielding gas – however, it requires a special welding wire. The wire produces its own shielding, which helps to protect the welding arc. Self-shielded wire suitable for PATON welding machines can be purchased here – 5 kg spools of wire will fit all wire feeders.



Rated power supply voltage 50/60 Hz	230 V
Rated welding current	160 A
Maximum operating current	215 A
Rated power supply current	18 ... 21 A
Operating load factor %	70% – 160 A 100% – 134 A
Power supply voltage range	160 – 260 V
Welding current control range	8 - 160 A
Welding current control range	12 – 24 V
Wire feeding speed control range	2,0 – 16 m/min
Diameter of a stick electrode	1,6 – 4,0 mm
Number of pressure rolls	2
Diameter of electrode wire	0,6 – 1,0 mm
Coil weight	15 kg
Welding processes with a pulse welding	MMA/TIG/MIG/MAG
Function "Hot-Start"	Adjustable
Function "Arc-Force"	Adjustable
Function "Anti-Stick"	Automatic
Reduction of open-circuit voltage	ON / OFF
Open-circuit voltage	12 / 75 V
Welding arc starting voltage	110 V
Rated consumed power	4,1 ... 4,7 kVA
Maximum consumed power	5,9 kVA
Efficiency coefficient	90%
Cooling	Automatic
Operating temperature range	-25 ... +45 °C
Fulfilled standards:	EN 60204 – 1:2006 EN 60974 – 1:2012 EN 60974 – 10:2014
Overall dimensions (length, width, height)	360 x 260 x 270
Weight	10.1 kg
Protection Class	IP 33