

Welder Inverter MMA/TIG Lift Paton PRO-160

MMA/TIG Lift Welder Inverter Paton PRO-160 – basic data

Universal inverter welder PATON PRO-160 is designed for manual arc welding with the MMA method, argon-arc welding with the TIG method with direct current and semi-automatic welding with the MIG/MAG method in a shield of gases and protective mixtures.



This model achieves a duty cycle of 70% at its full nominal current of 160A, which is sufficient to work with any electrodes from $\Phi 1.6\text{mm}$ up to fusible $\Phi 4\text{mm}$ and semi-automatic welding with solid wire of diameter from $\Phi 0.6\text{mm}$ to $\Phi 1.0\text{mm}$ (MIG/MAG welding is possible after purchasing a wire feeder). The device is set to optimal values for most cases of use. Demanding users can select each parameter individually.

The VDI PRO series offers full electronic control, which allows greater control of the welding process for each of the selected methods, as well as allowing maximum utilization of the equipment potential. Welding inverters from the PRO series are dedicated for industrial use as well as for the most demanding home users.

Main advantages of Paton PRO-160 MMA inverter welder

- European production of welding machines
- Electronic thermal protection system that protects all heat-generating elements against overheating
- Possibility to connect an external wire feeder
- Possibility to work with long extension cables as well as with a generator
- Pulsed mode available for all welding methods
- Improved arc glow stability
- Hot-Start, Arc-Force and Anti-Force functions
- Voltage spike protection and stabilization system to ensure proper operation from 160V to 260V
- Two times less electricity consumption compared to traditional sources
- Optimum penetration and correct stitch shape regardless of welding position



Rated power supply voltage 50/60 Hz	230 V
Rated power supply current	18-21 A
Rated welding current	160 A
Maximum operating current	215 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
Diameter of a stick electrode	1,6 – 4,0 mm
Diameter of electrode wire	0,6 – 1,0 mm
Welding processes with a pulse welding mode	"MMA: 0,2...500 Hz TIG: 0,2...500 Hz MIG/MAG: 5...500 Hz"
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	4,0 – 4,6 kVA
Maximum consumed power	6,2 kVA
Efficiency coefficient	92%
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)	330 x 110 x 250
Weight	5,4
Protection class	IP 33