ProMIG-350-15-4-400V WK
ProMIG-500-15-4-400V WK
ProMIG-630-15-4-400V WK

up to 3 years warranty

INDUSTRIAL INVERTER MIG/MAG MACHINES PATON
PROMIG-350/500/630-15-4-400V WK are designed for organizing mobile welding stations at production sites of any format. They provide DC welding in MIG/MAG, MMA and TIG modes. The product range consists of 3 models with rated currents of 350A, 500A, and 630A, with a 70% duty cycle. The devices are powered by an industrial network 380/400V, equipped with LCD screens, a multilingual interface, and many additional functions for the convenience of the welder (VRD, PULSE, UPSLOPE/DOWNSLOPE VOLTAGE/FEED RATE, SHIELDING GAS PRE- and POST-FLOW FUNCTIONS, etc.).

Processes

MIG/MAG (PULSE)

MMA (PULSE)

TIG DC (PULSE)

Input

3 phases

380 400 V

Output

DC

PARAMETERS

	ProMIG-350 WK	ProMIG-500 WK	ProMIG-630 WK
Rated voltage of mains 50 / 60Hz, V	3 × 380, 3 × 400		
Rated current consumption from the mains phase, A	16,0–18,5	30,0–35,5	42,0–49,0
Rated welding current, A	350	500	630
Maximum operating current, A	450	630	800
Supply voltage variation limits, V	±15%		
Duty cycle, %	70% / 350A 100% / 290A	70% / 500A 100% / 420A	70% / 630A 100% / 520A
Limits of regulation of welding current, A	14–350	16–500	18–630
Limits of regulation of welding voltage, V	12–30	12–40	12–44
Standards	EN IEC 60974-1		
Protection class	IP33	IP23	
Insulation class	H		
Operating temperature range	–25 ... +45°C		
Welding wire diameter, mm	0,6–1,4	0,6–1,6	0,6–2,0
Welding pulse modes	MMA: 0,2–500Hz; TIG: 0,2–500Hz; MIG/MAG: 30–300Hz		
Arc striking voltage, V	110		
Rated consumption power, kVA	10,7–12,3	19,9–23,6	27,8–32,5
Maximum power consumption, kVA	15,3	29,0	40,1
Cooling	Adaptive		
Wire feeder mechanism	4 roller		
Maximum weight of the coil, kg	18		

ADVANTAGES

- LONG CABLES COMPATIBILITY
- WORK FROM GENERATOR
- IGBT TECHNOLOGY
- WORK WITH WEAK POWER NETWORKS
- OVERVOLTAGE PROTECTION
- 16 TORING PROGRAMS IN EACH WELDING MODE
- 2T/4T TWO-STROKE / FOUR-STROKE MODE
- INDUCTION FUNCTION
- HF/Lift IGNITION
- PULSE

FRONT CONTROLS

1 Digital display
2 Welding mode selection button
3 The regulator for selecting the functions (parameters)
4 Welding program selection button
5 Button for testing shielding gas supply (wire is not fed)
6 Button for adjusting the welding voltage on the wire feeder
7 Digital display of the wire feeder
8 The regulator for selecting the functions (parameters)
9 Welding program selection button on a wire feeder
10 Wire threading button (no gas is supplied)
11 EURO type KZ-2 connector for connecting a semi-automatic torch
12 Breaker/button for turning on/off the welding current source
13 Quick coupling (blue) coolant supply
14 Quick coupling (red) coolant outlet

A Bayonet-type power current socket "+"
B Bayonet-type power current socket "-"

APPLICATIONS

A wide range of welding works at any format manufacturing and service industrial enterprises, especially those working in the fields of metallurgy, metalworking, shipbuilding, and ship repair.

COMPLETE SET

1 — Welding cables with ground terminal and electrode holder (for ProMIG-350-15-4-400V WK)
2 — Welding cable with «ground» terminal (for ProMIG-500/630-15-4-400V WK)
3 — Gas hose quick-disconnect fitting, set of rollers for 4 steel wire diameters and 2 aluminum wire diameters
4 — Autonomous cooling unit PATON Cooler-7-400V
5 — PATON 360 or Universal cart (for ProMIG-350-15-4-400V WK)

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3

4

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COMPATIBILITY WITH PUSH-PULL TORCHES

WITH SPECIAL ORDER

COMUNICATION CABLES SET

MODEL	LENGTH
CCS-350-1PW	1 m
CCS-350-5PW	5 m
CCS-350-10PW	10 m
CCS-500-1PW	1 m
CCS-500-5PW	5 m
CCS-500-10PW	10 m
CCS-630-1PW	1 m
CCS-630-5PW	5 m
CCS-630-10PW	10 m