

# ProMIG-350-15-4-400V SF

# ProMIG-500-15-4-400V

# ProMIG-630-15-4-400V

2 years warranty

## INDUSTRIAL INVERTER MIG/MAG MACHINES PATON

**PROMIG-350 SF/500/630** are designed for MIG/MAG, TIG, and MMA in the environment of protective gases and mixtures on a direct current in industrial conditions. These machines are powered by a powerful three-phase power-supply network 400V. A distinctive feature of PATON MIG/MAG machines is a potent, high-quality metal 4-roller wire feed mechanism with a sealed motor.



### Processes



MIG/MAG  
(PULSE)



MMA  
(PULSE)



TIG DC  
(PULSE)

### Input



380  
400  
V



### Output

	ProMIG-350 SF	ProMIG-500	ProMIG-630
Rated voltage of mains 50 / 60Hz, V		3 x 380, 3 x 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	

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## ADVANTAGES



LONG CABLES  
COMPATIBILITY



WORK FROM  
GENERATOR

IGBT

TECHNOLOGY



WORK WITH  
WEAK POWER  
NETWORKS



OVERVOLTAGE  
PROTECTION



16  
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

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 cable with «ground» terminal (for ProMIG-500/630-15-4-400V)
- 2 – Welding cables with electrode holder and «ground» terminal (for ProMIG-350-15-4-400V SF)
- 3 – Belt for carrying the device on the shoulder (for ProMIG-350-15-4-400V SF)
- 4 – Fitting for quick-release gas hose connection, set of rollers for 4 diameters of steel and 2 diameters of aluminum wire

1



2



3



4



# COMPATIBILITY WITH PUSH-PULL TORCHES

WITH SPECIAL ORDER



## COMMUNICATION CABLES SET



MODEL	LENGTH
CCS-350-1P	1 m
CCS-350-5P	5 m
CCS-350-10P	10 m
CCS-350-20P	20 m
CCS-500-1P	1 m
CCS-500-5P	5 m
CCS-500-10P	10 m
CCS-500-20P	20 m
CCS-630-1P	1 m
CCS-630-5P	5 m
CCS-630-10P	10 m
CCS-630-20P	20 m