

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

up to **3 years** warranty

## INDUSTRIAL KITS FOR MIG/MAG WELDING 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 MMA (pulsed), MIG/MAG, and TIG (pulsed, Lift) 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, UPSLOPE/DOWNSLOPE VOLTAGE/FEED RATE, SHIELDING GAS PRE- and POST-FLOW FUNCTIONS, etc.) User can store up to 16 different presets in each welding mode.



### Processes



MIG/MAG



MMA DC  
(pulse)



TIG DC  
(pulse)

### Input



### Output



## PARAMETERS

	ProMIG-350 WK	ProMIG-500 WK	ProMIG-630 WK
Rated voltage of mains 50 / 60Hz, V	3 x 400	3 x 400	3 x 400
Rated current consumption from the mains phase, A	16 ... 18,5	30 ... 35,5	42 ... 49
Rated welding current, A	350	500	630
Maximum operating current, A	450	630	800
Supply voltage variation limits, V		±15%	
Duty cycle, %	70% / at 350A 100% / at 290A	70% / at 500A 100% / at 420A	70% / at 630A 100% / at 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		IP21	
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: 5...500Hz	
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



STORING PROGRAMS  
IN EACH WELDING  
MODE



INDUCTION  
FUNCTION

2T/4T

TWO-STROKE /  
FOUR-STROKE MODE

# FRONT CONTROLS



- 1 Digital display
- 2 Buttons for adjusting the selected parameter to decrease and increase
- 3 Source function selection button in the used welding mode
- 4 Welding mode selection button
- 5 Unit overheating indicator
- 6 Digital display of the wire feeder
- 7 Wire threading button (no gas is supplied)
- 8 Buttons for decreasing and increasing parameters
- 9 Button for testing shielding gas supply (wire is not fed)
- 10 Button for selecting functions of the wire feeder
- 11 EURO type KZ-2 connector for connecting a semi-automatic torch
- 12 Breaker for turning on/off the welding current source
- 13 Torch button mode indicators (mode 2t/4t/alt.4T)
- 14 Welding torch holder attachment point
- 15 Quick coupling (red) coolant outlet
- 16 Quick coupling (blue) coolant supply
- 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 ABICOR BINZEL ground terminal and electrode holder (for ProMIG-350-15-4-400V WK)
- 2 – Wire feeder with protective cover
- 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-7S 400V
- 5 – Universal trolley PATON



# COMPATIBILITY WITH PUSH-PULL TORCHES

WITH SPECIAL ORDER



# COMPATIBILITY WITH LARGE DIAMETER WIRE

WITH SPECIAL ORDER

Up to 2.5 mm for solid wire and  
up to 4.0 mm when using a flux-cored wire

# COMUNICATION CABLES SET



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