



PRO SERIES

Inverter digital MIG/MAG machines PATON ProMIG-200/250 of the Professional series are designed for direct-current gas-shielded welding in MMA, TIG, and MIG/MAG modes. These PATON ProMIG welding machines are designed for professional use. The welding current source can be used separately from the wire feeding unit in order to provide ease of operation in MMA and TIG modes and provide compliance of the machine with safety requirements in some welding cases. These machines are rated for operation with an optimal duty cycle at rated currents 200A and 250A correspondingly, in operation from a 230V single-phase power supply system. The function of open-circuit voltage reduction in the MMA mode, with the possibility for this function to be switched on and off, allows the welding machine to be operated in an unsafe environment. The characteristic feature of the MIG/MAG welding machines of the PROFESSIONAL series is that every model has a high-power, reliable, wire-feeding mechanism with powerfull airtight motor.

Properties and advantages:

- More than 30 parameters for setting up the welding process in 3 modes.
- The availability of the adjustable pulse function for all the welding modes.
- Possibility of separation/diversity of the welding current source from the wire-feeding unit.
- Increased protection class and duty cycle.
- Convenient torch connection (KZ-2 EURO type socket).

ABICOR
BINZEL



PROMIG-200 · 250

DC MMA/TIG/MIG/MAG

TECHNICAL SPECIFICATIONS

PARAMETERS:	ProMIG-200	ProMIG-250
Rated supply mains voltage 50Hz, V	230	230
Rated mains current, A	23 - 27	29,5 - 35
Rated welding current, A	200	250
Maximum operating current, A	270	335
Duty cycle	70% at 200A / 100% at 167A	70% at 250A / 100% at 208A
Power supply voltage range, V	160 ... 260	
Welding current control range, A	10 - 200	12 - 250
Welding voltage control range, V	12 - 26	12 - 28
Diameter of an electrode, mm	1,6 - 5,0	1,6 - 6,0
Welding wire diameter, mm	0,6 - 1,0	0,6 - 1,2
Coil weight, kg	up to 15	
Hot Start Function	Adjustable	
Arc-Force Function	Adjustable	
Anti-Stick Function	Automatic	
Idle voltage reduction unit	on/ off	
Idling voltage, V	12 / 75	
Arc striking voltage, V	110	
Rated power consumption, kVA	5,1 - 6,1	6,6 - 7,8
Maximum power consumption, kVA	7,5	9,5
Cooling	Adaptive	
Dimensions, mm (length, width, height)	360 x 260 x 270	
Weight, kg	13,2	14,0
Protection class	IP33	

DELIVERY SET ProMIG-200/250:

Set of rollers for 4 diameters of steel welding wire and 2 diameters of aluminum wire (for ProMIG-250-15-4), and a union for quick-release connection of a gas hose

Welding cables with ABICOR BINZEL electrode holder and «ground» terminal

ABICOR BINZEL MIG/MAG torch

PATON branded corrugated box



COMPLETE



PRO SERIES

Inverter digital MIG/MAG machines PATON ProMIG-270/350-400V of the Professional series are designed for direct-current gas-shielded welding in MMA, TIG, and MIG/MAG modes. These PATON ProMIG welding machines are designed for industrial use. The welding current source can be used separately from the wire feeding unit in order to provide ease of operation in MMA and TIG modes and provide compliance of the machine with safety requirements in some welding cases. These machines are rated for operation with an optimal duty cycle at rated currents 270A and 350A correspondingly, in operation from a 400V three-phase power supply system. The function of open-circuit voltage reduction in the MMA mode, with the possibility for this function to be switched on and off, allows the welding machine to be operated in an unsafe environment. The characteristic feature of the MIG/MAG welding machines of the PROFESSIONAL series is that every model has a high-power, reliable, wire-feeding mechanism with powerfull airtight motor.



Properties and advantages:

- More than 30 parameters for setting up the welding process in 3 modes.
- The availability of the adjustable pulse function for all the welding modes.
- Possibility of separation/diversity of the welding current source from the wire-feeding unit.
- Increased protection class and duty cycle.
- Convenient torch connection (KZ-2 EURO type socket).



PRO SERIES

PROMIG-270-400V • 350-400V

DC MMA/TIG/MIG/MAG

TECHNICAL SPECIFICATIONS

PARAMETERS:	ProMIG-270-400V	ProMIG-350-400V
Rated supply mains voltage 50Hz, V	3 x 400	3 x 400
Rated current consumption from the mains phase, A	12 - 14	16 - 18,5
Rated welding current, A	270	350
Maximum operating current, A	350	450
Duty cycle	70% at 270A / 100% at 225A	70% at 350A / 100% at 290A
Power supply voltage range, V	±15%	±15%
Welding current control range, A	12 - 270	14 - 350
Welding voltage control range, V	12 - 29	12 - 30
Diameter of an electrode, mm	1,6 - 6,0	1,6 - 6,0
Welding wire diameter, mm	0,6 - 1,2	0,6 - 1,4
Maximum weight of the coil, kg		up to 15
Wire feed speed control range, m/min		1,5 - 16,0
Hot Start Function		Adjustable
Arc-Force Function		Adjustable
Anti-Stick Function		Automatic
Idle voltage reduction unit		on/off
Idling voltage, V		12/75
Arc striking voltage, V		110
Rated power consumption, kVA	8,0 - 9,4	10,7 - 12,3
Maximum power consumption, kVA	11,4	15,3
Cooling		Adaptive
Dimensions, mm (length, width, height)		540 x 360 x 400
Weight, kg	22,5	22,9
Protection class		IP33

DELIVERY SET ProMIG-270/350-400V:

Set of rollers for 4 diameters of steel welding wire and 2 diameters of aluminum wire (for ProMIG-270-15-4 and ProMIG-350-15-4), and a union for quick-release connection of a gas hose

Welding cables with ABICOR BINZEL electrode holder and «ground» terminal

ABICOR BINZEL MIG/MAG torch

PATON branded corrugated box



COMPLETE



PRO SERIES

Industrial inverter MIG/MAG machines PATON ProMIG-500/630 are designed for MMA, TIG, and MIG/MAG 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, and provide almost continuous operation at their rated currents of 500A and 630A correspondingly, which is enough to work with any electrodes from Ø1.6 mm to Ø8 mm and welding with solid wire with a diameter of Ø0,6 mm to Ø2,0 mm. A distinctive feature of PATON MIG/MAG machines is a potent, high-quality metal 4-roller wire feed mechanism with a sealed motor.

Features and benefits:

- Extensive possibilities of adjustment of welding parameters (more than 30 parameters for 3 modes of welding).
- The availability of the adjustable pulse function for all the welding modes.
- Informative LCD display with a multilingual interface.
- Powerful 4-roller mechanism with a drive for all 4 rollers.
- Convenient torch connection (KZ-2 EURO type socket).



PROMIG-500-400V • PROMIG-630-400V DC MMA/TIG/MIG/MAG

TECHNICAL SPECIFICATIONS

PARAMETERS:	ProMIG-500-400V	ProMIG-630-400V
Rated supply mains voltage 50Hz, V	3 x 400	3 x 400
Rated current consumption from the mains phase, A	30 - 35,5	42 - 49
Rated welding current, A	500	630
Maximum operating current, A	630	800
Duty cycle	70% at 500A / 100% at 420A	70% at 630A / 100% at 520A
Power supply voltage range, V	±15%	
Welding current control range, A	16 - 500	18 - 630
Welding voltage control range, V	12 - 40	12 - 44
Diameter of an electrode, mm	1,6 - 8,0	
Welding wire diameter, mm	0,6 - 1,6	0,6 - 2,0
Wire feed speed control range, m/min	1,5 - 20	
Hot Start Function	Adjustable	
Arc-Force Function	Adjustable	
Anti-Stick Function	Automatic	
Idle voltage reduction unit	on / off	
Idling voltage, V	12/75	
Arc striking voltage, V	110	
Rated power consumption, kVA	19,9 - 23,6	27,8 - 32,5
Maximum power consumption, kVA	29,0	40,1
Cooling	Adaptive	
Dimensions, mm (length, width, height)	510 x 180 x 385	510 x 235 x 410
Weight, kg	36,7	38,4
Protection class	IP23	

DELIVERY SET ProMIG-500-400V/630-400V:

Fitting for quick-release gas hose connection, set of rollers for 4 diameters of steel and 2 diameters of aluminum wire

Welding cables with ABICOR BINZEL electrode holder and «ground» terminal

PATON branded corrugated box



COMPLETE



PRO SERIES



Inverter digital MIG/MAG machines PATON ProMIG-350/500/630-400V W

are designed for industrial use in MMA, TIG, and MIG/MAG welding modes. The machines are implemented in a fully digital control method, due to which, its versatility and wide capabilities in the precise setting of welding modes are provided. The increased duty cycle on a rated current of 350A, 500A and 630A correspondingly, allows the welder to work with any electrodes with a diameter from Ø1,6 mm to Ø8 mm, and weld with solid wire with a diameter from Ø0,6 mm to Ø2,0 mm. The machines have a potent, high-quality metal 4-roller wire feed mechanism with a sealed motor.

The universal connector KZ-2 of the EURO type allows users to connect welding torches from a wide range of producers. Also, machines are equipped with connectors for connecting an autonomous cooling unit and liquid-cooled MIG/MAG torches. In combination with high power and productivity, these machines have small weights and overall dimensions. And thanks to LCD screens, the devices are easy and convenient to configure to solve any welding task.



PRO SERIES

PROMIG-350-400V W • PROMIG-500-400V W • PROMIG-630-400V W DC MMA/TIG/MIG/MAG

TECHNICAL SPECIFICATIONS

PARAMETERS:

	ProMIG-350W	ProMIG-500 W	ProMIG-630 W
Rated supply mains voltage 50Hz, 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
Duty cycle	70% at 350A / 100% at 290A	70% at 500A / 100% at 420A	70% at 630A / 100% at 520A
Power supply voltage range, V		±15%	
Welding current control range, A	14 - 350	16 - 500	18 - 630
Welding voltage control range, V	12 - 30	12 - 40	12 - 44
Diameter of an electrode, mm		1,6 - 8,0	
Welding wire diameter, mm	0,6 - 1,4	0,6 - 1,6	0,6 - 2,0
Wire feed speed control range, m/min		1,5 - 20	
Hot Start Function		Adjustable	
Arc-Force Function		Adjustable	
Anti-Stick Function		Automatic	
Idle voltage reduction unit		on / off	
Idling voltage, V		12/75	
Arc striking voltage, V		110	
Rated power consumption, 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	
Dimensions, mm (length, width, height)	360x540x400	510 x 180 x 385	510 x 235 x 410
Weight, kg	23,9	36,7	38,4
Protection class	IP33	IP23	IP23

DELIVERY SET ProMIG-350/500/630-400V W:

Fitting for quick-release gas hose connection, set of rollers for 4 diameters of steel and 2 diameters of aluminum wire



Welding cables with ABICOR BINZEL electrode holder and «ground» terminal



PATON branded corrugated box



COMPLETE



EAC

NIP

IOR



PRO SERIES



OVERVOLTAGE
PROTECTION



MIG/MAG



MMA



TIG



IGBT
TECHNOLOGY



HOT START



ADAPTIVE
COOLING



ARC-FORCE



ANTI-STICK



PATON ProMIG-350/500/600-15-4-400V WK welding kits – are ready-made integrated solutions for industrial MIG/MAG welding.

These kits contain professional equipment and accessories for arranging a high-class mobile welding station:

- welding current source;
- 4-roller wire-feeding unit;
- cooler;
- universal trolley;
- set of communication cables between welding current source and wire-feeding unit;
- set of welding cables with an ABICOR BINZEL electrode holder ground terminal;
- ABICOR BINZEL MIG/MAG torch (optional).

PROMIG-350-400V WK • PROMIG-500-400V WK • PROMIG-630-400V WK DC MMA/TIG/MIG/MAG

TECHNICAL SPECIFICATIONS

PARAMETERS:	ProMIG-350-400V WK	ProMIG-500-400V WK	ProMIG-630-400V WK
Rated supply mains voltage 50Hz, 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
Duty cycle	70% at 350A 100% at 290A	70% at 500A 100% at 420A	70% at 630A 100% at 520A
Power supply voltage range, V	±15%		
Welding current control range, A	14 - 350	16 - 500	18 - 630
Welding voltage control range, V	12 - 30	12 - 40	12 - 44
Diameter of an electrode, mm	1,6 - 6,0	1,6 - 8,0	
Welding wire diameter, mm	0,6 - 1,4	0,6 - 1,6	0,6 - 2,0
Wire feed speed control range, m/min	1,5 - 16,0	1,5 - 20,0	
Hot Start Function	Adjustable		
Arc-Force Function	Adjustable		
Anti-Stick Function	Automatic		
Idle voltage reduction unit	on / off		
Idling voltage, V	12/75		
Arc striking voltage, V	110		
Rated power consumption, 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		
Protection class	IP33	IP23	IP23

DELIVERY SET ProMIG-500-400V WK/ 630-400V WK:

PATON wire-feeding mechanism



PATON Cooler-7



PATON branded corrugated box



PATON universal trolley



Welding cables with ABICOR BINZEL electrode holder and «ground» terminal

