ECO SERIES

PATON inverter welding machines of the ECO series are intended for direct current welding in the MMA mode of a wide range of materials by means of the corresponding type of coated electrodes. Due to their compactness, ease of use, and high productivity, these devices meet the most common requirements of a wide range of welders — from beginners to professionals. The key advantage of the ECO series is the combination of small mass parameters with high workflow characteristics.

Properties and advantages:

- welding using electrodes with any type of coating;
- Economical power consumption;
- Build-in low and high voltage protection system – extends the life span of the device;
- Work with weak electric networks – the minimum drawdown of a power supply network;
- Easy to set up and use.

IP 21

MMA

OVERVOLTAGE PROTECTION

WORKS WITH WEAK POWER NETWORKS

FORCED COOLING

IGBT TECHNOLOGY

HOT START

ARC-FORCE

ANTI-STICK

ABICOR BINZEL

ECO-160 • 200 • 250 DC MMA

TECHNICAL SPECIFICATIONS

PARAMETERS:	**ECO-160/ ECO-160-C**	**ECO-200/ ECO-200-C**	**ECO-250/ ECO-250-C**
Rated mains voltage 50Hz, V	230	230	230
Rated current consumption from the mains phase, A	20	25	32
Rated welding current, A	160	200	250
Maximum operating current, A	190	240	300
Duty cycle	40% at 160A 100% at 101A	40% at 200A 100% at 126A	40% at 250 A 100% at 158 A
Power supply voltage range, V	170 - 260	170 - 260	170 - 260
Welding current control range, A	20 - 160	25 - 200	32 - 250
Diameter of a stick electrode, mm	1,6 - 4,0	1,6 - 5,0	1,6 - 6,0
Hot Start function	Automatic		
Arc-Force function	Automatic		
Anti-Stick function	Automatic		
Idling voltage, V	up to 80		
Arc striking voltage, V	110		
Rated power consumption, kVA	4,4	5,5	7,0
Maximum power consumption, kVA	5,5	6,9	8,8
Cooling	Forced		
Overall dimensions, WxLxH, mm	200 x 100 x 240	270 x 110 x 240	270 x 110 x 240
Weight, kg	3,7	4,0	4,3
Protection class	IP21	IP21	IP21

DELIVERY SET **ECO-160/200/250:**

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

Belt for carrying the machine on the shoulder

PATON branded corrugated box for ECO models

PATON branded plastic case for ECO-C models

COMPLETE