



NOVATIG 503 AC/DC NOVATIG 505 AC/DC

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AC/DCNOVATIG 505
AC/DC

Main features

- INVERTER technology with IGBT module which give greater stability e reliability and a high service cycle.
- Sturdy trolley with integrated coolingunit
- TIG LIFT and AC / DC HF modes for enhanced versatility during welding initiation and with AC welding of all metals
- TIG LIFT is suitable for use in machining where sensitive equipment is present.
- ARC FORCE control, HOT START control and anti-sticking for greater control and ease of use during MMA welding.
- High performance on ultra-thin surfaces without deformation.

2/4 Stroke trigger control

- With this button you can check the ramp up and down of the welding current.

Digital display

- 7-segment digital displays that allow you to view the current e the welding voltage to obtain a precise parameter adjustment

Compatibility with Generators

- Thanks to the ability to adapt to sudden changes of voltage connection is possible with generator.
- Remote control from the smart flashlight UP DOWN.
- Amperage control via potentiometer placed on the torch.
- Remote control (OPTIONAL).
- Foot control (OPTIONAL).

- Carpentry • Buildings
- Repair and maintenance
- Civil constructions • Shipbuilding
- Energy plants • Transportation

TIG AC/DC Pulse

NOVATIG 503 AC/DC and **505 AC/DC** power sources are have been designed to meet all needs of TIG welding. It is possible to select the TIG mode with priming ad High Frequency or Lift - Arc and adjust the setting of the descent and ascent ramp. In MMA mode you can adjust Arc - Force and Hot - Start independently. Unlike the previous models these Versions, with high technological presence allows the welder the possibility and use of PULSATION. In the **NOVATIG 505 AC/DC** generator a series of functions help and improve the TIG DC and TIG AC processes a series of functions that they help and facilitate operators in the most diversified applications using the generator also in the welding of small thicknesses

TIG PULSE SYN prevents oxidation of the electrode when welding slightly oxidized materials.

HIGH FREQUENCY PULSE the high frequency pulse function is used to produce a perfectly formed weld bead on thin materials without creating distortion due to the reduced heat input in the arc.

EXTRA FUSION An additional application used when welding thin materials, producing welds with reduced heat input and a constricted arc form.

DYNAMIC ARC Delivers a stable arc form, it increases penetration and enables finite control of the arc and responds rapidly to torch movement.

MIX AC/DC Gives the welder/operator greater control over the arc, reduces heat input and reduces the load on the electrode, ideal for thick material, increases deposition rates.

PULS ST. Used for rapid arc arc ignition.

SPOT Spot welding with reduced heat input.

Thanks to the ability to adapt to power surges connection is possible with generator.

- INVERTER TECHNOLOGY
- ENERGY SAVING
- V / A DIGITAL INSTRUMENTATION AS STANDARD
- 2 - 4 STROKE SELECTION
- TIG AC / DC - MMA - TIG PULSE SELECTION
- MULTI SPOT FUNCTION (505 AC / DC)
- LIFT ARC OR HF STARTER SELECTION
- ADJUSTABLE ARC FORCE AND HOT START
- UP - DOWN SLOPE AND ADJUSTABLE POST FLOW
- COOLING TYPE SELECTION
- REMOTE CONTROL PREPARATION
- PEDAL CONTROL SET-UP
- PREPARATION FOR TIG UP / DOWN TORCH
- COUPLING WITH MOTORGENERATOR



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Technical data

Description	NOVATIG 503 AC/DC	NOVATIG 505 AC/DC
Power supply, three phases	400 V- 50/60 Hz	400 V- 50/60 Hz
MAX current	48 A (DC) - 41 A (AC)	37,3 A
Fuse	50A	40A
Noise emissions	< 70dB	< 70dB
MAX power	18.8/25 KW	14,32 KW
Duty cycle 100%	390 A	340 A
Duty cycle 60%	500 A	380 A
Open circuit voltage	80V	81V
Output range	10 - 500 A	5 - 500 A
Compliant with standards	EN 60974 - 1- 10	EN 60974 - 1- 10
Application class	s	s
Weldable electrodes diameters	1.6-6 mm	1.6-6 mm
Dimensions, mm (L x W x H)	707 X 255 X 650	1100 x 280 x 970
Weight, kg	33	55
Insulation class	H	H
Protection class	IP23	IP23
Cooling system	AF	AF
Operating temperature	-10+40°C	-10+40°C



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