



NOVAMIG 320 LCD NOVAMIG 503 E



NOVAMIG
320 LCD

NOVAMIG
503 E

Main features

- New IGBT inverter technology.
- Manual MIG / MAG / SYNERGIC
- Synergistic programs for aluminum, steel mild, stainless steel and CuSi
- JOB mode (Save and recall 100 different work JOBs)
- 2T / 4T welding mode
- Adjustment of function parameters
- MMA function (coated electrode)
- VRD (device for reducing the voltage)
- Soft START (improves arc striking of the electrode)
- Adjustable Arc Force
- TIG DC
- Lift Arc ignition (guarantees integrity of tungsten during arc ignition)
- 2T / 4T trigger control
- Adjustable down slope
- Air cooling mode
- H2O cooling mode
- Wire feeder, with 4 rollers drive can be equipped with coil up to Ø300 mm
- Degree of protection IP23
- Reverse polarity (NOVAMIG 320 LCD)
- Tolerance on the supply voltage
- Spool gun torch connection

Synergic MIG inverter

The **NOVAMIG INVERTER** power sources **NOVAMIG 503E / NOVAMIG 320 LCD** are the latest generation machine equipped with continuous inductance adjustment and presenting very specific characteristics both in welding and in the arc.

Another novelty that differentiates this generator from previous models is the intuitive adjustment of the synergic waves directly from the front panel.

Welding curves are stored in the software synergistic, pulsed, double pulsed. It is complete with **BURN - BACK** which allows us to act on cutting the thread at the right length to facilitate the new arc ignition, and **SOFT - START** which allows us to act on the regulation of the engine starting speed improving consequently, the arc striking. The power sources **NOVAMIG 503E** are integrated by a Trolley cylinder holder with cooling GR3 ed equipped with a wire feeder 4 rollers - **FEEDER WS3 - 4R** and an extension cable standard from 5 or 10 Mt. the power source **NOVAMIG 320 LCD** are handy, portable and compact with a 4R wire feeder and an intuitive **LCD** screen that facilitates parameter adjustment.

- INVERTER TECHNOLOGY
- ENERGY SAVING
- INDUCTANCE ADJUSTMENT ELECTRONICS AND CONTINUOUS
- 2/4 STROKE SELECTION
- DIGITAL DISPLAY AMPERE - VOLT
- LCD DISPLAY (NOVAMIG 320 LCD)
- MMA MODE
- DIGITAL DISPLAY AMPERE - VOLT
- TIG LIFT ARC MODE
- ADVANCE BUTTON WIRE - GAS TEST
- PRE AND POST GAS REGULATION
- BURN BACK ADJUSTMENT
- SOFT START ADJUSTMENT
- STORED SYNERGIC PROGRAMS
- COUPLING WITH MOTORGENERATOR

- Metallurgical industry • Shipbuilding
- Buildings • Petrochemical industry
- Railway industry • Military industry
- Food industry • Automotive industry
- Earthmoving • Sheet metal processing



NOVAMIG 320 LCD

NOVAMIG 503 E

Technical data

Description	NOVAMIG 320 LCD
Power supply, single phase	400 V - 50/60 Hz
Fuse	32 A
MAX absorption (MIG)	20 A
Noise emissions	< 70 dB
MAX power (MIG)	15.5 KW
Duty cycle 100% (MIG)	199 A
Duty cycle 60% (MIG)	257 A
Duty cycle 40% (MIG)	315 A
Open circuit voltage (MIG)	55 V
Output range TIG	10 - 315 A
Output range MMA	10 - 315 A
Output range MIG	10 - 315 A
Compliant with standards	EN 60974 - 1 - 10
Application class	S
Insulation class	F
Protection class	IP23
Cooling system	AF
Operating temperature	- 10 + 40 °C

Wire diameters

Steel	0.6 - 1.2 mm
Stainless steel	0.8 - 1.2 mm
Aluminium	1 - 1.2 mm
Electrodes diameter	1,6 - 4 mm
Wire feed speed	2 - 20 mt./min
Wire spool capacity	16 Kg
Dimensions, mm (L x B x H)	505 x 210 x 330
Weight, kg	15.5

Description	NOVAMIG 503 E
Power supply, three phases	400 V - 50/60 Hz
Fuse	50 A
MAX current	48 A
Noise emissions	< 70 dB
MAX power	23.25 KW (MIG)
Duty cycle 100%	420 A
Duty cycle 60%	500 A
Open circuit voltage	70 V
Output range	20 - 500 A
Compliant with standards	EN 60974 - 1 - 5 - 10
Insulation class	H
Protection class	IP23
Cooling system	AF
Operating temperature	- 10 + 40 °C
Weight, kg	33.3
Dimensions, mm (L x W x H)	655 x 250 x 485

Wire diameters

Iron	0.6 - 1.6 mm
STAINLESS steel	0.8 - 1.6 mm
Cored wire	0.9 - 1.6 mm
Aluminium	1.0 - 1.6 mm
Wire FEEDER speed	2 - 20 mt./min
Wire spool capacity	16 Kg



Sincosald srl
via della Fisica, 26/28
20864 Agrate Brianza (MB), Italy
tel. +39 039 64117.1
fax +39 039 6057122

sincosald.it