

# ***CITOPULS III 320C*** ***CITOSTEEL III 320C***

Innovative and powerful  
MIG/MAG machine  
with integrated feeder



# CITOPULS III 320C - CITOSTEEL III 320C

Modest in size, but with everything a big machine could dream of.

## Low consumption

320 A @ 40% with an electrical primary consumption reduced at the minimum - 16 A threephase plug.

About 30% of saving on the annual electrical invoice, compared to the use of a classical MIG/MAG machine.



## Reduced weight

Body engineered in aluminium for lower weight and easy transportability.

## Technological advance

- 99 programs
- Call programs with trigger
- Welding cycle sequencer

## 2 versions

- CITOSTEEL III 320C
- CITOPULS III 320C

*Watercooling on demand*



**EACH MACHINE  
TESTED INDIVIDUALLY**





**WARRANTY**  
**2+1**  
**YEARS**  
**FREE**  
**WITH YOUR**  
**REGISTRATION**

A powerful and complete synergic panel which includes the possibility to weld steel, stainless steel and even aluminium with the Puls current version.



#### Process selection

- Coated electrode
- Flat current
- Speed short arc
- Puls (only on CITOPULS)

#### Gas selection

#### Base material selection

#### Voltage display

#### Voltage adjusting

#### Selected parameters display

#### Selection & adjusting of parameters

- Welding current
- Wire speed
- Thickness

#### Wire diameter selection

#### Remote control

#### Euroconnexion for torch

#### Quick and simple polarity change

# Technical data



Power source	CITOPULS III 320C CITOSTEEL III 320C
Main power supply	3 x 400 V (+20% / -20%) 50/60 Hz
Effective primary consumption	11 A
Effective power	7.7 kVA
Fuse anti surge	16 A
Efficiency at max current	90%
Power factor at max current	0.95
Duty cycle (@ 40 °C)	
@ 40%	320 A
@ 60%	280 A
@ 100%	220 A
Duty cycle (@ 25 °C)	
@ 100%	300 A
Current range	15 - 320 A
Dimensions (LxWxH)	720 x 295 x 525 mm
Weight	29 kg
Standard	60974-1 & 60974-10

Feeding	CITOPULS III 320C CITOSTEEL III 320C
Rollers	4 drives
Wire speed	1 to 25 m/min
Wires steel - Stainless steel	0.6 - 1.2 mm
Wires FCW - Aluminium	1.0 - 1.2 mm

## To order

### Power sources



320 A @ 40 %	CITOPULS III 320C	W000385051
320 A @ 40 %	CITOSTEEL III 320C	W000385052



### Universal trolley

Universal trolley  
W000375730

### Example of configuration



### Trolley for installation



TROLLEY II  
W000383000

### Cooling unit



COOLER II  
On demand

### Anti-dust filter for power source protection



Dust filter  
W000373703

### Aluminium welding kit

ALUKIT DVU 1.0-1.2 W000277622

A composition of wire guides and rollers for perfect aluminium welding

### Remote control

RC SIMPLE (10 m)  
W000275904

### See our CITORCH M range

CITORCH M 341 3 m	W000345091
CITORCH M 341 4 m	W000345092
CITORCH M 341 5 m	W000345093

### and fume extraction torche WST2







## An universal machine with excellent welding performances:

- Coated electrodes
- Speed Short Arc
- Flat current
- Pulsed Arc  
(only CITOPULS III 320C)

### Speed Short-Arc (SSA)

A patented arc transfer

#### Advantages:

- The dynamic arc optimizes performance in root-pass
- Increased productivity through high travel speed
- Extends the short arc area for higher thicknesses



### Sequencer mode

A special welding cycle that swaps two different wire speeds

#### Advantages:

- Giving perfect bead aspect three times faster than TIG welding
- Less distortion on thin plate
- Low heat input for good mechanical structure and characteristics



## Main applications

All main to weld base materials with wires up to 1.2 mm:

- metallic construction (*on site and in workshop*)
- workshop & yard maintenance
- light production



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#### CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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