

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**



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



Voltage display

Voltage adjusting

Selected parameters display

Process selection

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

Selection & adjusting of parameters

- Welding current
- Wire speed
- Thickness

Gas selection

Wire diameter selection

Base material 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

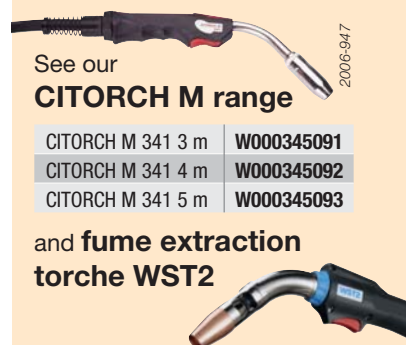
Remote control

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



www.oerlikon-welding.com

CUSTOMER ASSISTANCE POLICY

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