

# **CITOARC HPF**

High  
Performance  
MMA  
Welding



## **Extremely reliable**

Sturdy design  
New inverter  
New assembly technology

**CITOARC** High Power Factor **HPF**



## Why HPF ?

### EU Directive 2004/108

- The EN 61000 - 3 - 12. Limits the harmonic current of equipment connected to the public low voltage network (EMC).
- **HPF** is the technical solution to achieve conformance.

### Performance

- **HPF** minimises the input current, maximising the lifetime of the electronic components. This allows the machine to have a lower effective current consumption at the same "welding power".

**“Weld with a  
4.0 mm electrode  
connected with  
a domestic plug”**

## The advantages of **CITOARC HPF** range:

### More Performance

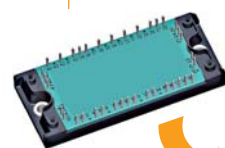
- High duty cycle (180 A - 20% / 160 A - 40%)
- Motor generator compatible, due to **HPF** controller
- Compatible with very long cables (70 m - 2.5 mm<sup>2</sup> section)

### Reduced consumption

- Work connected with a domestic plug (15 A fuse)
- Fitted Shuko plug

### Increased reliability

- Reduction of the number of components ➤ less risk of defects
- Modular technology
  - ✓ Quality of components controlled at source
  - ✓ Thermal sensor of the module (enhanced monitoring)
- Sturdy frame for better protection



### The product file

	CITOARC 1400 HPF	CITOARC 1600 HPF	CITOARC 1800 HPF
PRIMARY			
Single phase supply	230 V		
Frequency	50/60 Hz		
Effective consumption	12 A	15 A	15 A
Maximum consumption	18.5 A	21.5 A	25 A
SECONDARY			
Open circuit voltage	43.4 V		
Welding current	5 A - 140 A	5 A - 160 A	10 A - 180 A
Duty cycle	20%	-	180 A
	30%	-	-
	40%	140 A	-
	60%	120 A	140 A
	100%	100 A	120 A
Protection class	IP 23		
Insulation class	H		
Weight	6.6 kg		
Dimensions	170 x 320 x 395 mm		
European Standards	EN 60974.1 / EN 60974.10		
TO ORDER			
Reference	W 000 270 337	W 000 270 336	W 000 272 660