

MFC-3000

1000 Hz

DC

The **Q**uality
Maker



MEDIUM FREQUENCY INVERTER WITH BUILT-IN WELD CONTROLLER

**Take advantage of DC welding
from an AC network:**

- Weld spot quality assurance system..
- Crucial reduction of transformer weigh and volume
- Shorter cycle time.
- Balanced consumption between the 3 line phases.
- Splash free welding.

SERRA

... and with all the advanced functions
of the Serratron® weld controllers





WISE®

Quality assurance system.

- Constant Current Control • Constant Voltage • Constant power supply
- Accurate diagnosis of all the weld spots. Destructive testings reduction.
- Automatic electrode wear compensation.
- Automatic regulation of welding current depending on the weld parts thickness.
- PLC functions for improving I/O applications.
- USB port for data log.



Programming Software

- User-friendly interface with help data base.
- Graphic edition of current profile for each welding.
- WISE® dynamic parameter evolution monitoring.
- Insured traceability of each weld spot by storing relevant data as current, voltage and WISE® quality parameters.
- Weld diagnosis based on deviations obtained from a pattern .
- Weld process blocking based on diagnosis data selectabl

Technical features

	MFC-3005W	MFC-3007CN	MFC-3007CF	MFC-3007W	MFC-3015W
Power supply / Frequencies	Three Phade from 400 - 700 VCA ±15% 50-60 Hz				
Cooling system	Water	Air	Air (forced)	Water	Water
Range of working current	26 kA (30%FM)	33 kA (10%FM)	26 kA (30%FM)	26 kA (50%FM)	56 kA (5%FM)
Transformador recomendado	75 kVA	100 kVA	150 kVA	150 kVA	250 kVA
Max. output current	500 A (30%FM)	700 A (10%FM)	700 A (30%FM)	700 A (50%FM)	1500 A (5%FM)
Working frequency	1 kHz				
Tipo de protección	IP20 - norm DIN 40050				
Dimensions : H x W x D	400x230x280	400x300x280		400x230x280	
Weight	20 Kg	21 Kg		20 Kg	
Inputs / Outputs	32 E + 16 S discrete. Expandible to 260 I + 256 O				
Central programming interface	InterBus • DeviceNet • Profi-Bus DP • Ethernet/IP				



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the world wide weld

Certified Company



by DEKRA-ITS

**ENVIRONMENTAL
MANAGEMENT**
Certificate
Voluntary participation in regular
monitoring according to ISO 14001

