

OMEGA 180 | 220 | 270



MIGATRONIC

New infinitely variable MIG/MAG inverters with new automated functions for sheet metal welding

Migatronic Omega – a flexible and state-of-the-art machine range

Migatronic's new range of compact MIG/MAG inverters, the Omega 180, Omega 220 and Omega 270, is targeted at sheet metal repair shops and the light industry. Infinitely variable and fully digital welding machines with automated functions at all levels - from heavy duty to quite simple MIG/MAG welding jobs, using small or large wire reels. It's quite simple: once the main parameters are set, the synergic control panels will automatically adjust all other parameters. The

quality is underlined by the standard equipment which includes 4-roll wire-feed system and diffusion-safe gas hose.



Repair of exhaust pipe suspension

Three machines – three control panels

The three three-phase welding machines of the Omega range, with a maximum output of 180 A, 220 A and 270 A respectively, are combinable with three synergic control panels with different functions and specialities.

Omega specialities:

- Three power sources combinable with three control panels
- Matches individual patterns of use in all welding environments
- Synergic programmes eliminate risk of error
- DUO Plus™ efficiency rate for TIG-like weld appearance
- Full control of welding current from the torch handle
- 4-roll wire-feed system for safe feeding – also of the soft wires
- Standby function (30 W idling): energy-saving and less CO₂ emission, long life of components

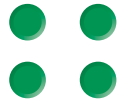


Omega 270 Advanced on multi-functional trolley with cable coil-up, lifting eye and tool tray (item no. 78857044)



Omega 220 Basic on small trolley (item no. 78857045)

Digital process control targeted at three different welding environments, just: Switch on – press – weld ...



Welding of profiles for furniture frames in mild steel



Omega Basic for allround welding jobs in sheet steel within trades and assembly.



MIG brazing of fittings



Omega Automig with specialities such as MIG brazing and aluminium wire for auto repair shops.



Construction of food industry equipment, using DUO Plus in stainless material



Omega Advanced, featuring DUO Plus™ function, for the light industry; for welding in mild steel, incl. FCW, aluminium, and stainless materials.

OMEGA 180 | 220 | 270

Machine type	OMEGA 180	OMEGA 220	OMEGA 270
Mains voltage +/- 15%	3 x 400 V	3 x 400 V	3 x 400 V
Fuse	10 A	10 A	10 A
Duty cycle 100% at 40°C	115 A	145 A	175 A
Duty cycle 60% at 40°C	125 A	170 A	195 A
Duty cycle 30% at 40°C	180 A (25%)	220 A	270 A (25%)
Duty cycle 100% at 20°C	180 A	180 A	230 A
Duty cycle 60% at 20°C	-	220 A	245 A
Open circuit voltage	65 V	65 V	65 V
Current range	10 - 180 A	10 - 220 A	10 - 270 A
Protection class	IP 23	IP 23	IP 23
Norm	EN60974-1/5/10		
Dimensions H x W x L, cm	48 x 24 x 65	48 x 24 x 65	48 x 24 x 65
Weight, kg	24	25	26

We reserve the right to make changes.



Designed to meet the demands of the future: Omega SD card for quick software update

Ready for future software updates

A programme reader, positioned safely inside the wire-feed unit, is incorporated in the Omega for simple and quick software update.

Programme package		Omega Basic		Omega Automig		Omega Advanced	
Material	Wire Ø/mm	Welding	Brazing	Welding	Brazing	Welding	Brazing
Fe SG 2	0.6 - 1.0	•		•		•	
AlMg5	0.8 - 1.0			•		•	
CuAl8	0.8 - 1.0				•		•
CuSi3	0.8 - 1.0				•		•
FCW Rutile	1.2					•	
FCW Metal	1.2					•	
316 Lsi	0.8 - 1.0					•	

The programme package also includes several optional wire/gas combinations.

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