PULSEMIG 400 CW

PULSED MIG-MAG GENERATOR • 10 → 400 A

Ref. 062658

The PULSEMIG 400 CW is a three-phase, pulsed, MIG/MAG generator developed for heavy industry.
The PULSEMIG 400 CW is mobile and equipped with a cooling unit and a powerful reeling system, making it ideal for handling demanding pulsed applications. Both intuitive and highly practical, its digital interface makes adjusting the welding settings very easy.

Supplied without accessories

MULTIPROCED WELDING

- **MIG/MAG :**
- steel and stainless-steel wire: Ø 0.6 to 1.6 mm
- aluminium wire: Ø 0.8 to 1.6 mm
- CuSi and CuAl wire: Ø 0.8 to 1.6 mm
- flux-cored wire: Ø 0.9 to 2.4 mm
- **MMA DC / Pulsed:** basic, rutile and cellulosic electrodes (up to Ø 6 mm).
- **TIG DC LIFT / PULSED.**
- **Gouging** (up to Ø 6.5 mm)

SMART

- **SYNERGIC mode:** After entering two data (material/gas torque or wire diameter), the PULSEMIG automatically determines the optimal welding conditions and automatically adjusts the settings (wire feed speed, voltage, current and arc length).

ACCURATE

- **Calibration** of welding accessories and motor reel speed, to adjust the displayed voltage measurement and improve energy data.
- **Energy**, data display and post-welding energy data is available according to standards EN1011-1, ISO/TR 18491 and QW-409.
- **Portability:** download/backup/transfer user JOBS and machine configuration information from a USB stick.
- **Tracking:** trace/record all welding stages, bead by bead, during industrial processing within the framework of standard EN ISO 3834.

OPTIMIZED MIG/MAG SETTINGS

5 MIG-MAG welding modes: Standard Dynamic, Standard Impact, Pulsed, Modularc and Manual.
To learn more about GYS pre-installed user settings, scan the QR code or click here.

GYS synergies

MAXIMUM PRODUCTIVITY

- **4 microprocessors** increase calculation speeds and optimise the machine's efficiency.
- **High productivity** thanks to its high duty cycle (400 A @ 60%).
- **Compatible wire spools:** Ø 200 / 300 mm.
- **Can be connected to a robot/PLC** through a SAM control interface (optional).
- Dip coating of the entire power block for increased resistance.
- Powerful, electronically-controlled motor reel (100 W) with 4 driven rollers.
- High arc voltage for easy ignition and outstanding arc dynamics.

ERGONOMIC

- New, simplified interface focused on welders' browsing habits.
- Full machine updates and pre-installed user setting updates by USB key.
- Up to 500 welding programmes saved on the machine (can also be saved on USB stick).
- Current/voltage display during and after welding (DMOS/QMOS).
- User mode facilitates the shared use of the product with multiple users.
- A selection of main settings can be displayed on the screen (wire speed, average welding current, etc.).
- Smart ventilation management to reduce power consumption, dust extraction and machine noise.
- Compatible Push-Pull torch (24 V / 42 V).

Three interface levels for the user:
- Easy: simplified features
- Expert: full display
- Advanced: full access to all settings.

ROBUST AND MOBILE

- Durable and strong: IP23 protection level for use in harsh environments, both indoor and outdoor.
- Remote control of the power source with two optional remote controls (digital or analogue).

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TECHNICAL DATA

Supply voltage		3 x 400 V +/- 15%
Mains protection (delayed)		32 A
Duty cycle 10 min/40°C EN 60974-1	60 %	400 A
	100 %	360 A
Current range MIG-MAG / MMA / TIG		10 - 400 A
No-load voltage		85 V
Voltage under load	MIG-MAG	14.5 - 34 V
	MMA	20.4 - 36 V
	TIG	10.4 - 26 V
Max. output	%	91 %
No-load power consumption	MIG-MAG TIG	37 W
	MMA	157 W

Wire speed		1 - 22 m/min
Wirefeed motor		4 motorised rollers
Original rollers		Ø 1.0/1.2 mm (steel)
Roller diameter		37 mm (Type F)
Filler wire ø	ø steel	0.6 - 1.6 mm
	ø stainless steel	0.6 - 1.6 mm
	ø flux-cored wire	0.9 - 2.4 mm
	ø aluminium	0.8 - 1.6 mm
	ø CuSi / CuAl	0.8 - 1.6 mm
Wire reel	weight / ø min.	5 kg - 200 mm
	weight / ø max.	18 kg - 300 mm
Cooling capacity		1 kW
Protection rating		IP23
Dimensions		960 x 510 x 850 mm
Weight		78 kg

ACCESSORIES AND CONSUMABLES

Steel / Stainless steel		Aluminium
air	*liquid*	*liquid*
450 A 4 m	500 A 4 m	500 A 3 m
045392	041004	046160

Earth cable
400 A - 4 m / 50 mm²
047853

Electrode holder
500 A - 4 m / 50 mm²
043879

Cooling liquid
5 l - 062511
10 l - 052246

Filter kit
063143

Remote control digital RC-HD2
062122

Support RC-HD2 for trolley
037779

RC-HD2 connection cable
2.8 m - 063907
6 m - 063914
11 m - 036925

Analogue remote control
RC-HA2 - 10 m
047679

IMS offers a wide range of compatible products for your machine.

To learn more about them, scan the QR code or click here

Push-Pull torch - 8 m

038738	0.8 > 1.2 mm	air
038141	0.8 > 1.2 mm	liquid
038745	0.8 > 1.6 mm	liquid