

Origo™ Mig C170 3ph/C200 3ph/C250 3ph

Three-phase welding machines for everyone

The Origo™ Mig C170 3ph/C200 3ph/C250 3ph are three-phase step regulated welding power sources for MIG/MAG welding. A built-in wire feeder and the low weight of the units make them perfect, practical solutions for farmers, repair shops and light production users.

MIG/MAG welding

Origo™ Mig can be used with both conventional solid wire and self-shielding cored wire. It is designed for welding of steel, stainless steel and aluminium as well as for brazing.

Wire diameters from 0.6 mm up to 1.2 mm can be used depending on type of machine.

Easy to use

The units are equipped with multi-step voltage switches and potentiometers for wire speed adjusting to enable easy setting of welding parameters.

It is possible to adjust burnback time and to set spot welding time in Origo™ Mig machines.

The units are fan-cooled and equipped with thermal overload protection.

As an option the Origo™ Mig C170 3ph/C200 3ph/C250 3ph can be equipped with V/A digital meter and transformer for CO₂ heater.

Torch included

Each machine is equipped with a gas-cooled MXL™ Torch (MXL™ 200, MXL™ 270). They have ergonomic handles.



They have spring loaded contact pins in the central connector.

Optimum cooling of the torches gives them extended life time of the swan necks and the wear parts. You can choose gas nozzles in 3 different versions, standard, straight and conical. This provide maximum flexibility and an optimum life time.

Applications

- **Auto-repair**
- **Light metal fabrication**
- **Transport**
- **Education**
- **Household and furniture**
- **Tack welding**

- **Easy change of polarity** - it may be used with both conventional solid wire and self-shielding cored wire (C200 3ph/C250 3ph).
- **Easy setting of welding parameters** - welding machines for everyone
- **MXL™ Torches™** - designed to provide the utmost in convenience and versatility

Technical data

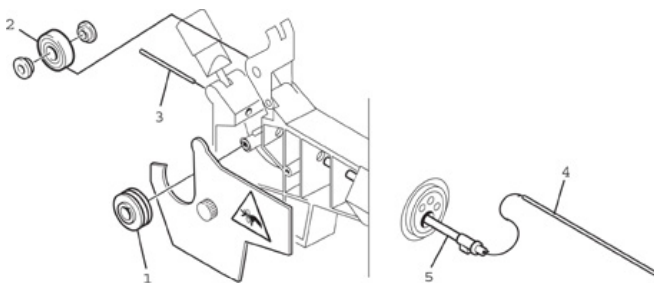
	Origo™ Mig C170 3ph	Origo™ Mig C200 3ph	Origo™ Mig C250 3ph
Mains voltage , V, Hz	400-415 3ph 50/60	400-415 3ph 50/60	230/400-415 3ph 50/60
Fuse, A-slow	10	10	25/16
Auto fuse (MCB) EN 60898 typ D, A	10	16	25/16
Permitted load at			
35% duty cycle , A	170	200	250
60% duty cycle , A	130	150	190
100% duty cycle , A	100	120	150
Setting range (DC) , A	30 - 170	30 - 200	40 - 280
Open circuit voltage , V	15,5 - 30,6	16,0 - 31,8	15,0 - 37,0
Open circuit power , W	310	210	340
Power factor at maximum current	0,97	0,97	0,97
Wire feed speed, m/min	1,0 - 17	1,0 - 17	1,0 - 17
Wire diameter, mm			
Fe, Ss	0,6 - 0,8	0,6 - 1,0	0,6 - 1,2
C	0,8	0,8 - 1,0	0,8 - 1,2
Al	1,0	1,0	1,0 - 1,2
CuSi	0,8 - 1,0	0,8 - 1,0	0,8 - 1,0
Burnback time, s	0,02 - 0,25 (adj.on the PCB)	0,02 - 0,25 (adj.on the PCB)	0,02 - 0,25 (adj.on the PCB)
Spot welding, s	0,2 - 2,5	0,2 - 2,5	0,2 - 2,5
Voltage steps	8	10	10
Inductance outlets	1	1*	2
Polarity change	YES (option)	YES	YES
Dimensions lwxhx, mm	860x 420 x 730	860 x 420 x 730	860 x 420 x 730
Weight, kg	63,5	72,5	82
Operating temperature, °C	-10 to +40	-10 to +40	-10 to +40
Enclosure class	IP 23	IP 23	IP 23
Application classification	S	S	S

*switchable between CO₂ or MIX on inductor outlets inside the machine, depending on shielding gas used

Wear parts Origo™ Mig C170 3ph/C200 3ph/C250 3ph

Wire Ø mm	Wire type	1 Feed roller	2 Pressure roller	3 Inlet nozzle	4 Insert tube	5 Outlet nozzle	Groove type
0.6 / 0.8	Fe, Ss, C	367556-001	455907-001	466074-001	455889-001	455886-001	V
0.8 / 1.0	Fe, Ss, C	367556-002	455907-001	466074-001	455889-001	455886-001	V
1.0 / 1.2	Fe, Ss, C	367556-003	455907-001	466074-001	455889-001	455886-001	V
1.0 / 1.2	Al	367556-004	455907-001	466074-001	455894-001	455885-001	U

C=cored wire



Quality accessories for the quality welder

ESAB offers a wide range of accessories. The complete range, along with product information, is available at our local web-sites, look at www.esab.com or contact your local ESAB dealer.

Ordering information

Origo™ Mig C170 3ph (400-415V 3ph 50/60 Hz)	0349 308 670
Origo™ Mig C200 3ph (400-415V 3ph 50/60 Hz)	0349 308 290
Origo™ Mig C250 3ph (400-415V 3ph 50/60 Hz)	0349 307 840
Digital instrument	0349 302 598
Transformer for CO ₂ heater (42V 50/60 Hz)	0349 302 250
Polarity change KIT (Origo™ Mig C170)	0349 309 310

Delivery content:

Origo™ Mig C170/C200 3ph;	MXL™ 200 3 m (contact tip 0,8) assembled feed roller 0,6-0,8
Origo™ Mig C250 3ph;	MXL™ 270 3 m (contact tip 1,0) assembled feed roller 0,8-1,0
All units;	3m mains cable with plug, 3m return cable with clamp, gas hose 1,5m, shelf for gas cylinder, attachment chain for gas cylinder, instruction manual.



ESAB AB
Box 8004
SE-402 77 GÖTEBORG SWEDEN
Phone: +46 31 50 90 00 Fax: +46 31 22 04 49
E-mail: info@esab.se
www.esab.com

