

Caddy[®] Mig C160i

Portable MIG/MAG welding unit with built-in wire feeder for 200 mm spools

Caddy[®] C160i is used for MIG/MAG welding of mild steels for repair, maintenance and assembly work. This easy to use and powerful unit, offers excellent welding properties and is easy to take along to the job at hand. Great if you are welding in the workshop or on the move.

Advanced design gives you options

Advanced and modern materials provide, lightweight, durable and impact resistant housing with inbuilt cable wraps for ease of transportation. The low weight of 11.4 kg makes it easy to move to different indoor or outdoor worksites

Applications

The performance of this unit makes it a superb choice for mild steel welding applications. Perfect for tradesmen working with repair, maintenance or assembly work in the workshop, outdoors or at different sites. Single phase mains connection makes it easy to find a electricity supply. Works equally as well when powered by a portable generator.* The Caddy[®] Mig C160i has optimized per-formance for welding with 0.8 mm wire on mild steels using solid or cored wires.

Automatic function and simplicity

With Caddy[®] Mig C160i you only need to set the plate thickness before starting to weld. Hotter or colder welds can easily be obtained by using the heat adjustment knob.

*To obtain full output use a 5.5 Kva portable generator with automatic voltage regulation



More welding power than ever before

The PFC (power factor correction) gives 30 % more welding power from the same fuse size.

Description

Caddy Mig C160i has an efficient built-in inverter power source. Inside the side panel there is a wire feeder as well as space for the wire spool.

Spool type needed

Wire spool size: inner diameter 51 mm, external diameter 200 mm and width 55 mm.

Recommended wires/gas

ESAB's OK Autrod 12.51 diameter 0.8 mm, for welding mild steels. A high quality copper coated wire for excellent mild steel welding results.

ESAB's Coreshield 15, diameter 0.8 mm, for welding mild steels. A cored wire that builds a slag protection and therefore needs no gas to weld a large variety of mild steels. Change polarity for best result.

Applications

- Repair, maintenance or assembly work
- Agricultural applications
- Auto-repair
- Light metal fabrication
- Transport
- Education
- Household and furniture
- Tack welding
- Use with an automatic voltage regulated generator

- Easy to use - Set material thickness and start welding
- The low weight and small size makes it easy to get to the worksite, indoors or outdoors.
- Has PFC (power factor correction) and complies to European "Harmonics" demands = uses energy efficiently
- Polarity change = possibility to use gasless cored wire
- Fitted with ESAB high quality MXL180 torch, 3 m long
- Optimized for 0.8mm mild steel wires

Technical data

Mains voltage, V/Ph Hz	230 1ph 50/60 +-15%
Fuse (slow), A	16
Auto fuse (MCB) EN 60898 type B	16
Mains cable, Ø mm	1.5
Maximum welding output	160 Amps
Permitted load, at 40°C	
35% duty cycle, A/V	150/20.5
100% duty cycle, A/V	100/19
Setting range, A	30-160
Open circuit voltage, V	60
Wire feed speed, m/min	2 – 11
Max. size of the wire reel, mm (kg)	200 (5)
Open circuit power, W	15
Power factor at maximum current	0.99
Efficiency at maximum current, %	82%
Dimensions l x w x h, mm	449x198x347
Weight with torch & cables, kg	11.4
Enclosure class	IP23C
Application class	S
Standards	IEC/EN 60974-1, EN 60974-05, EN 60974-10
Operating temperature, °C	-10 to +40

Ordering information

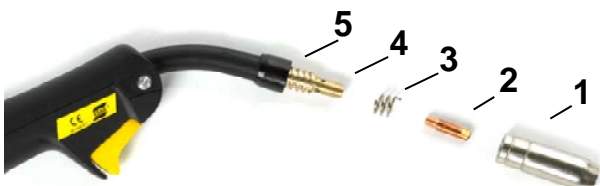
Caddy® Mig C160i, 1ph 230V	0349 310 850
½ pallet with 6 Caddy® Mig C160i	0349 312 272
Trolley with gas shelf	0459 366 887

Delivery content: 3 m torch, 3 m mains cable with plug, 4,5 m gas hose with hose clamp and quick connector, return cable with clamp, simple shoulder strap, fitted wear parts in torch/feeder (for 0,8 mm wire) and instruction manual. 1 kg OK Autrod 12.51, 0.8 mm is also included.

Wear parts

Feed roller with groove	0349 311 890
Pressure roller	0349 312 062
Inlet nozzle, in feeder	0455 049 002
Gas nozzle (1)	0700 200 054
Contact tip (2) for 0.8mm wire	0700 200 064
Nozzle spring (3)	0700 200 078
Steel liner (4) for 0.8mm wire	0700 200 085
Tip adapter(5)	0700 200 072

Wear parts, torch MXL180



Angled panel, shelf for wear parts & tools, grooves for cables and torch storage under transport are just a few design features to simplify your work



Standard with shoulder strap.



Trolley - for easier transport of gas bottle and Caddy® Mig.

Technical data MXL 180

Type of cooling	gas
Permitted load at 20% duty cycle	
Carbon dioxide CO ₂	200 A
Mixed gas Ar/CO ₂	180 A
Self-shielded	120 A
Permitted load at 35% duty cycle	
Carbon dioxide CO ₂	180 A
Mixed gas Ar/CO ₂	150 A
Self-shielded	100 A
Recommended gas flow	8 - 15 l/min
Wire diameter	0.6 - 1.0 mm
Weight	1.32 kg
Cable assembly	3.0 m
Standard control cable	2-pole

Consumable wires on Ø200 mm bobin

OK Autrod 12.51 Ø 0.8mm, 5kg	1251084600
Coreshield 15 Ø 0.8 mm, 4.5kg	35UE084630



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

ESAB is
certified
according to
ISO 9001



The ESAB group
is certified
according to
ISO 14001 &
OHSAS 18001