

# Caddy® Arc 251i

## Portable solutions for professional welding

The Caddy® name has always been synonymous with robust and durable welding tools designed for the professional welder. Introducing the fifth generation of portable welding equipment from ESAB the latest Caddy® machines have over 30 years experience in inverter technology built in.

### Offering true portability

Not only is Caddy® Arc 251i small and of low weight. Thanks to its intelligent, compact design it is easy to take along to different indoor and outdoor worksites and also to tuck away when not used, making it handy both in the workshop and on the move. An optional shoulder strap with a cable holder solution facilitates transportation.

Caddy® Arc 251i has three phase mains connection and works equally as well when powered by a portable generator. \*

Thanks to the built-in PFC circuit, Caddy® Arc 251i can operate with extra long mains cables, over 100 m, giving the welder a very large working radius.

### Impact resistant design

Composite materials in combination with smart design solutions provide a durable and impact resistant machine, adapted to rough conditions. The control panel is recessed, which provides additional protection and durability. Caddy® Arc 251i has sturdy and impact resistant cable connectors with OKC 50.

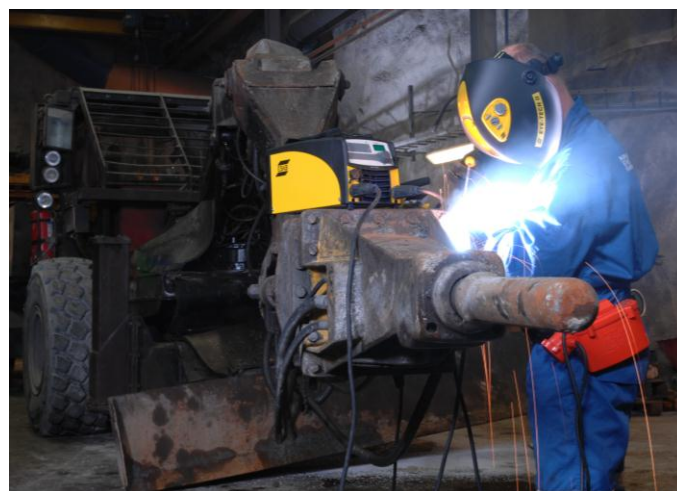
### Improving the weld quality

The regulator Arc Plus II generates an intense, yet smooth and stable arc that is easy to control. Smaller droplets are generated, the arc burns smoothly, and there is no need to pause at the edges when weaving. Arc Plus II offers even better welding characteristics, simplifies your work and gives you better weld quality with less need for post weld treatment.

Caddy® Arc 251i offers TIG-welding capability with LiveTig\*\* start using any of the torches TXH 151/201 V together with ESAB shield gas. Mild steel, stainless steel and aluminum can be welded, with or without filler material.

\* To obtain full output, use a portable generator 19 kVA with automatic voltage regulation.

\*\* LiveTig electronically controls the start current, giving the welder a safe start without damaging the electrode.



### Easy to use control panel

The A32/A34 control panels are easy to overview and have digital displays for accurate welding parameter setting, high control and feedback. The panels are easy to understand and set, with and without gloves on. Additionally, the panels also have remote control facility.

Caddy® Arc 251i comes with two memories for pre-sets, enabling quick and accurate return to pre-defined settings.



### Supporting the welder

The A32 version comes with helpful features, like automatic hot-start and arc force, shortening the set-up time and enhancing the welding experience.

The A34 comes with adjustable hot start and arc force, which enables personal setting of the characteristics of the machine and the possibility to achieve a welding experience adapted to your specific preferences.

## Applications

- Professional welding tool
- In and outdoor installation on site
- In and outdoor repair and maintenance on site
- In and outdoor fabrication

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- **Adjustable hot start (A34)** - easy to strike the electrode. Helps you to avoid starting problems.
- **Adjustable arc force (A34)** - sets the intensity of the arc for improved weld quality.
- **ArcPlus™ II** - better welding characteristics, simplifies your work and gives you better weld quality with less after treatment.
- **Extra long mains cable capability** – gives extra large working radius

## Technical data

### Caddy® Arc 251i

|                                    |                       |
|------------------------------------|-----------------------|
| <b>Mains supply V/Ph Hz</b>        | 400/3 50/60           |
| <b>Fuse (slow), A</b>              | 10                    |
| <b>Permitted load at 40°C, MMA</b> |                       |
| 30% duty cycle, A/V                | 250/30                |
| 60% duty cycle, A/V                | 190/27,6              |
| <b>Permitted load at 40°C, TIG</b> |                       |
| 30% duty cycle, A/V                | 250/20                |
| 60% duty cycle, A/V                | 190/17,6              |
| <b>Setting range MMA , A</b>       | 4 - 250               |
| <b>Setting range TIG , A</b>       | 3 - 250               |
| <b>Open circuit voltage, V</b>     |                       |
| VRD inactive                       | 65                    |
| VRD active                         | <35                   |
| <b>Dimensions l x w x h, mm</b>    | 418 x 188 x 208       |
| <b>Weight, kg</b>                  | 10,5                  |
| <b>Enclosure class</b>             | IP 23                 |
| <b>Application class</b>           | S                     |
| <b>Standards</b>                   | EN60974-1, EN60974-10 |
| <b>Operating temperature, °C</b>   | -10 to +40            |



## Ordering information

|                              |              |
|------------------------------|--------------|
| Caddy® Arc 251i, A32 package | 0460 300 880 |
| Caddy® Arc 251i, A34 package | 0460 300 881 |

**Delivery content:** 3 m MMA welding and return cable kit, 3 m mains cable with plug

## ACCESSORIES

|   |              |
|---|--------------|
| Shoulder strap                                | 0460 265 003 |
| Trolley (for 5 to 10 l gas cylinder)          | 0459 366 885 |
| Trolley (for 20 to 50 l gas cylinder)         | 0459 366 887 |
| Trolley (for 20 to 50 l gas cylinder)         | 0460 330 880 |
| Remote control MMA 1, incl. 10 m cable        | 0349 501 024 |
| Remote control AT1                            | 0459 491 896 |
| Remote control AT1 CoarseFine                 | 0459 491 897 |
| Connection cables for AT1 and AT1 CoarseFine: |              |
| 5 m cable                                     | 0459 552 880 |
| 10 m cable                                    | 0459 552 881 |
| 15 m cable                                    | 0459 552 882 |
| 25 m cable                                    | 0459 552 883 |
| Foot pedal FS 002, incl. 5 m cable            | 0349 090 886 |
| Warrior Tech Helmet Black                     | 0700 000 400 |
| Warrior Tech Helmet Yellow                    | 0700 000 401 |
| Electrode holder Comfort 200                  | 0700 006 004 |
| Electrode holder Handy 200,                   | 0700 006 003 |
| Electrode holder Prima 200,                   | 0700 006 006 |
| Work clamp MP 200                             | 0367 558 880 |
| Chipping hammer SH2                           | 0000 663 000 |
| Chipping hammer SH3                           | 0683 200 001 |
| Welding gloves Heavy Duty Basic               | 0700 005 007 |
| Welding gloves Heavy Duty Regular             | 0700 005 008 |
| Welding gloves Heavy Duty Excel, L            | 0700 005 009 |
| Welding gloves TIG Basic                      | 0700 653 532 |

## Torches

|                               |              |
|-------------------------------|--------------|
| TIG torch TXH™ 151V OKC50, 4m | 0700 300 539 |
| TIG torch TXH™ 151V OKC50, 8m | 0700 300 545 |
| TIG torch TXH™ 201V OKC50, 4m | 0700 300 553 |
| TIG torch TXH™ 201V OKC50, 8m | 0700 300 556 |



## Quality accessories for the quality welder

ESAB offers a wide range of accessories. For information on the complete product range, go to our web-site: [www.esab.com](http://www.esab.com) or contact your local ESAB dealer.

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**COMPANY WITH  
 MANAGEMENT SYSTEM  
 CERTIFIED BY DNV**  
 = ISO 9001 =  
 = ISO 14001 =  
 = OHSAS 18001 =