

Caddy® Arc 151i/201i

Portable solutions for professional welding

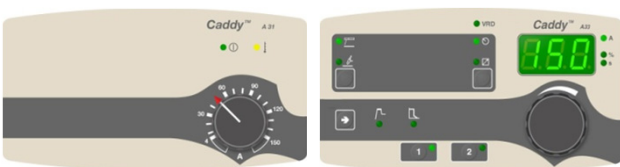
The Caddy® name has always been synonymous with robust and durable welding tools designed for the professional welder. Introducing the fifth generation of portable welding equipment from ESAB the latest Caddy® machines have over 30 years experience in inverter technology built in.

Designed for durability

The machines are equipped with the large OKC 50 cable connectors for higher durability. The compact design, with its impact resistant polymer casing, is light and easy to carry, yet the size does not compromise the important cooling of the internal components. Large heat sinks and clever design make for a cooler running machine with a longer life expectancy when used in harsh working environments. The design also helps to keep all sensitive parts inside the machine clean and dust free. Caddy® is built in accordance with IP23, which means it can be used outdoors – even in the rain. The control panels are easy to understand and use. The durable design and the superior welding performance give you a machine that you can rely on day after day.

Power factor correction - PFC

The Caddy® Arc 151i/201i are 230 V single-phase power sources equipped with a PFC circuit making it possible to use the full range of the machine on a 16 A fuse. The PFC also protects the machines against fluctuating mains voltage and makes it safer to use with a generator. Caddy® Arc 151i/201i can operate with extra long mains cables, over 100 m, giving you a very larger working radius.



Control panels

The basic control panel Caddy® A31 has only one knob for current setting making it extremely easy to set. The more advanced Caddy® A33 panel gives you a digital display, hot-start and arc force control to fine tune the welding, a choice of MMA or TIG welding, LiveTig™ start in TIG mode, two memories and remote control facility. Both panels are easy to understand and set, even when wearing welding gloves.

Applications

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



MMA and ArcPlus™ II

Caddy® Arc supplies direct current and you can weld most metals including alloyed and non alloyed steel, stainless steel and cast iron. With Caddy® Arc 151i you can weld most electrodes from Ø1.6 -3.2 mm and some 4 mm electrodes. Caddy® Arc 201i welds electrodes up to Ø 4 mm. The Caddy® A33 control panel has the latest regulator, ArcPlus™ II, that provides a more intense, yet smooth and stable arc that is easy to control. Arc Plus™ II generates smaller droplets, the arc burns smoothly and there is no need to pause at the edges when weaving. ArcPlus™ II offers even better welding characteristics, simplifies your work and gives you better weld quality with less need for post weld treatment.

TIG welding

With Caddy® Arc you can easily TIG-weld. All you need is a TIG-torch with a gas valve, a gas regulator and a cylinder of gas. With panel Caddy® A31 you use scratch-start. Panel Caddy® A33 gives you LiveTig™ start that electronically controls the start current. You can weld mild steel or stainless steel with or without filler material.

- **Adjustable hot start (A33)** - easy to strike the electrode. Helps you to avoid starting problems.
- **Adjustable arc force (A33)** - sets the intensity of the arc for improved weld quality.
- **ArcPlus™ II (A33)** - 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 151i	Caddy® Arc 201i
Mains voltage V/ph Hz	230/1 50/60	230/1 50/60
Fuse (slow), A	16	16
Recommended generator size, kVA	10	12
Permitted load at 40°C, MMA		
20% duty cycle, A/V	150/26	170/26,8
60% duty cycle, A/V	100/24	130/25,2
100% duty cycle, A/V	90/23,6	110/24,4
Permitted load at 40°C, TIG		
25% duty cycle, A/V	150/16	220/18,8
60% duty cycle, A/V	120/14,8	150/16,0
100% duty cycle, A/V	110/14,4	140/15,6
Setting range MMA (A31), A	8 - 150	-
Setting range MMA (A33), A	-	4 - 170
Setting range TIG (A33), A	-	3 - 220
Open circuit voltage, U₀ max, V		
A31 without VRD function 1)	58-72	-
A33 VRD function deactivated 2)	55-60	55-60
A33 VRD function activated 2)	<35	<35
Power factor at max. current	0,99	0,99
Efficiency at max. current	80	81
Dimensions l x w x h, mm	418 x 188 x 208	418 x 188 x 208
Weight, kg	7,9	8,3
Enclosure class	IP 23	IP 23
Application classification	S	S
Standards	IEC/EN 60974-1, IEC/EN 60974-10	

1) Valid for power sources without VRD specifications on the rating plate.

2) Valid for power sources with VRD specifications on the rating plate. The VRD function is explained in the instructions manual for the control panel if the panel has that function.



Ordering information

Caddy® Arc 151i, A31 package incl. 3 m MMA welding and return cable kit ("screw" type holder)	0460 445 881
Caddy® Arc 151i, A33 package incl. 3 m MMA welding and return cable kit ("screw" type holder)	0460 445 883
Caddy® Arc 201i, A33 package incl. 3 m MMA welding and return cable kit ("screw" type holder)	0460 445 884

Delivery content: 3 m of 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
TIG torch TXH™ 150V OKC50, 4m	0460 011 843
TIG torch TXH™ 150V OKC50, 8m	0460 011 883
TIG torch TXH™ 200V OKC50, 4m	0460 012 841
TIG torch TXH™ 200V OKC50, 8m	0460 012 881
Welding helmet Albatross 1000, 90x110	0349 502 204
Welding helmet Eye-Tech Mono 10/11, weight 480 g	0700 000 888
Electrode holder Confort 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

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 or contact your local ESAB dealer.

Unrivalled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We endeavour to offer our customers an after sales service, which is second to none. A strong and skilful service organisation is prepared to offer service and maintenance, calibration, validation and upgrading of equipment and software.

The service organisation will offer standardised solutions for the reconditioning or modification of existing products.



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