

Caddy® Tig 2200i AC/DC

For the craftsmen and a wide range of repair and maintenance applications

The Caddy® is already a classic power source in the mobile welding equipment field. With the introduction of the Caddy® Tig 2200i AC/DC series and a full range of accessories, you will find the optimal solution for a wide range of TIG welding applications.

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 and aluminium 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

Caddy® Tig 2200i AC/DC is 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 machine against fluctuating mains voltage and makes it safer to use with a generator.

Easy to use

Two alternative control panels are available.

Both have all the necessary functions for TIG DC, AC/DC and MMA welding, all presented in an easy to understand layout.

The control panel Caddy® TA34 AC/DC is the panel with the advanced functionality, including PulseTIG. AC Balance is the setting to control arc cleaning and penetration and AC Frequency setting is to control arc width.

It also has a setting to control Electrode preheating with a possibility to have different shapes of the electrode and at the same time provide better starts with an extended life time of the electrode.

The control panel Caddy® TA33 AC/DC is the easy way to weld AC and DC TIG. You only need to set the plate thickness, and the machine will control the rest, allowing you to produce a quality TIG weld.



Applications

- Repair and maintenance
- General light fabrication and civil construction
- Process industry
- Shipbuilding and offshore
- Transport and mobile machinery



Designed for high quality TIG-welding

In both DC and AC mode this TIG welding machine will give an excellent arc strike and consistent, stable arc. All types of material and thickness up to 5 mm can be welded with the highest quality.

AC welding with QWave™

One of the most important tasks of an AC TIG machine is to provide a stable arc. The Caddy® Tig 2200i AC/DC has the QWave™ function which optimises the AC wave form to give a smooth arc and at the same time the lowest possible noise without compromising the weld result.

This machine also has True AC rating where the actual welding current is always equal to the set current.

- Designed for quality TIG-welding in all types of material.
- Easy to use - all welding parameters presented in an easy to understand layout.
- QWave™ - enables AC welding with high arc stability and low noise.
- AC frequency and balance control (TA34 AC/DC) - optimises weld pool.
- Electrode preheating – excellent start and extended electrode life time (TA34 AC/DC)
- ESAB 2-program function - possibility to pre-program and change program during actual welding. (TA34 AC/DC)
- DC Pulsed TIG welding - easy control of heat input and the weld pool. (TA34 AC/DC)
- DC Micro Pulse – minimize heat effected zone especially on thin sheets (TA34 AC/DC)
- True MMA welding characteristics in AC and DC mode - Hot start, Arc force, and polarity switch (DC).

Technical data

Setting range TIG AC/DC	Tig 2200i AC/DC
Setting range MMA	3-220
Mains supply, V/Ph	4-160
Fuse (slow), A	230/1 50/60 Hz
Mains cable, mm ²	16
Maximum output	3 x 2.5
at 20% duty cycle, TIG, A/V	220/18,8
at 60% duty cycle, TIG, A/V	150/16,0
at 100% duty cycle, TIG, A/V	140/15,6
Open circuit voltage, V DC	46-60
Open circuit voltage limit (VRD active), V	35
Power factor at 100%, at TIG mode	0,99
Efficiency at 100%, at TIG mode, %	66
Enclosure class	IP 23
External dimensions mm, l x w x h	418x188x345
Weight, kg	15
Water cooling unit CoolMini :	
Cooling capacity, W, l/min at 40°C	700/1,0
Coolant volume, l	2,2
Max flow, l/min	2
Max pressure, 50/60 Hz bar	2.3 bar
Weight, kg	4,5/6,7
External dimension, mm l x w x h	418x188x137

MMC panels :

	TA34 AC/DC	TA33 AC/DC
Slope up, sec	0-10	-
Slope down, sec	0-10	0-10
Gas pre-flow, sec*	0-5	0-5
Gas post-flow, sec	0-25	0-25
Pulse -, background time DC, sec	0,01-2,5	-
MicroPulse*	0,001-0,250	-
Frequency AC, Hz	10-152	65
AC balance, %	50-98	70
Plate thickness DC, mm	-	0,1-7,3
Plate thickness AC, mm	-	0,1-5,5

* **Quality function**
Quality function 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.

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.

Spare and wear parts are manufactured according to ESAB's quality plan. Exchange Printed Circuit Board (PCB), exchange modules and components are available for all our products in order to reduce downtime to an absolute minimum. ESAB is continuously upgrading authorised service partners for local service support. Customers who have their own service and maintenance personnel will always be offered a service-training package as part of a total ESAB offering. However, product and process training for end-users will form an additional part of the ESAB offering. Always ask your ESAB sales representative or distributor for a complete ESAB solution.



Caddy® Tig 2200i AC/DC
 For industrial use and for advanced repair and maintenance with water cooler

Ordering information

Caddy® Tig 2200i AC/DC, TA33 AC/DC TXHT™ 200 4m, MMA Kit	0460 150 882
Caddy® Tig 2200i AC/DC, TA34 AC/DC TXHT™ 200 4m, MMA Kit	0460 150 883
Caddy® Tig 2200i AC/DC, TA34 AC/DC TXHT™ 250w 4m, water cooler CoolMini, MMA kit, Two wheel trolley	0460 150 884
Caddy® Tig 2200i AC/DC, TA34 AC/DC	0460 150 880
Caddy® Tig 2200i AC/DC, TA33 AC/DC	0460 150 881
Cooling unit, CoolMini	0460 144 880
Trolley 2 wheel small gas cylinder	0459 366 885
Trolley 2 wheel, gas cylinder in front of machine	0459 366 887
Trolley 2 wheel, gas cylinder beside the machine	0460 330 880
Remote control AT1 CAN	0459 491 883
Remote control AT1 CoarseFine CAN	0459 491 884
Remote control MTA1 CAN	0459 491 880
Remote control T1 Foot CAN	0460 315 880
Remote interconnection cables:	
5 m CAN	0459 554 880
10 m CAN	0459 554 881
15 m CAN	0459 554 882
25 m CAN	0459 554 883
TIG torches:	
TXHT™ 250w 4m	0460 013 840
TXHT™ 250wF 4m	0460 013 841
TXHT™ 200	0460 012 840
TXHT™ 200 F	0460 012 842
TXHT™ 250wr 4m	0462 013 840
TXHT™ 250wFr 4m	0462 013 841
TXHT™ 200r	0462 012 840
TXHT™ 200 Fr	0462 012 842
Remote adapter kit incl holder for remote versions	0459 491 912

All delivery content: 3 m of mains cable, 2 m of gas hose with 2 hose clamps, Return cable 3 m incl. earth clamp



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