

# **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 (TA33 and TA34) and a full range of accessories, you will find the optimal solution for a wide range of TIG welding applications.

### **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 Tig 2200i 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 set current is always equal to the true current.

### **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. 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 is the easy way to weld AC TIG. You only need to set the plate thickness, and the machine will control the rest, allowing you to produce a quality AC TIG weld.



### **Voltage Reduction Device - VRD**

In some areas a voltage reduction device, or VRD, is required. VRD is a safety function for MMA that limits the open circuit voltage from the machine to 24 V. Both control panels are prepared for VRD and the function can easily be activated inside the power source.

### **Designed to be portable**

Working to tight deadlines in a tough industrial environment, you can do without those extra kilos. So our new Caddy™ has shed weight. Lighter, corrosion-free and smoothly rounded (no sharp corners!), the new high-durability housing will lighten your task.

## **Applications**

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

- **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 - optimises weld pool.**
- **Electrode preheating – excellent start and extended electrode life time**
- **ESAB 2-program function - possibility to pre-program and change program during actual welding.**
- **DC Pulsed TIG welding - easy control of heat input and the weld pool.**
- **DC Micro Pulse – minimize heat effected zone especially on thin sheets**
- **True MMA welding characteristics in AC and DC mode - Hot start, Arc force, and polarity switch (DC)**

## Technical data

Setting range TIG AC/DC	<b>Tig 2200i AC/DC</b>
Setting range MMA	4-220
Mains supply, V/Ph	16-160
Fuse (slow), A	230/1 50/60 Hz
Mains cable, Ø mm <sup>2</sup>	16
Maximum output	3 x 1.5
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	54-64 V
Power factor at 100%, at TIG mode	0,98
Efficiency at 100%, at TIG mode, %	67
Enclosure class	IP 23
External dimensions mm, l x w x h	407x187x345
Weight, kg	15

### Water cooling unit CoolMini :

Coolant volume, l	2,2
Max flow, l/min	2
Max pressure, 50/60 Hz bar	2.3 bar
Weight, kg	5/7
External dimension, mm l x w x h	407x187x137

### MMC panels :

	TA34 AC/DC	TA33 AC/DC
Slope up, sec	0-10	-
Slope down, sec	0-10	0-10
Gas post-flow, sec	0-25	0-10
Pulse frequency DC, sec	0.01-2.5	-
Frequency AC, Hz	10-150	-
AC balance, %	50-98	-
Plate thickness ,mm	-	1-5



### Caddy™ Tig 2200i AC/DC

For industrial use and for advanced repair and maintenance with water cooler

## 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.esabasia.com](http://www.esabasia.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.

## Ordering information

Caddy™ Tig 2200i AC/DC, TA33 AC/DC	
TXH™ 200 Tig Torch 4m MMA Kit, package	0460 150 882
Caddy™ Tig 2200i AC/DC, TA34 AC/DC	
TXH™ 200 Tig Torch 4m MMA Kit, package	0460 150 883
Caddy™ Tig 2200i AC/DC, TA33 AC/DC	
TXH™ 200 Tig Torch 4m MMA Kit, *AUS package	0460 150 885
Caddy™ Tig 2200i AC/DC, TA34 AC/DC	
TXH™ 200 Tig Torch 4m MMA Kit, *AUS package	0460 150 886
Cooling unit, CoolMini	0460 144 880
Trolley 2 wheel small gas bottle	0459 366 885
Trolley 2 wheel, gas bottle beside of machine	0460 330 880
Remote control AT 1 CAN	0459 491 883
Remote control AT 1 CoarseFine CAN	0459 491 884
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:	
TXH™ 200 4m	0460 012 840
TXH™ 200 8m	0460 012 880
TXH™ 250w 4m	0460 013 840
TXH™ 250w 8m	0460 013 880
TXH™ 200r 4m	0462 012 840
TXH™ 250wr 4m	0462 013 840
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 4.5 m  
In most instances, a gas regulator is also required.

\*AUS version is fitted with Australia mains Plug



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