

# MasterTig

## ACDC 3500W

Powerful, dependable  
and reassuringly economic



MasterTig ACDC 3500W mounted to T22 transport unit.



Energy efficient

- Automatic AC balance increases the quality and speed of welding
- Precise penetration control based on AC frequency adjustment
- Reliable arc ignition and functionality
- A choice of three control panels suiting different customer needs
- Energy efficient and excellent for limited fused supplies

### Applications

- Fabrication workshops
- Chemical and process industry
- Installation and set-up
- Repair and maintenance

## Powerful ACDC TIG equipment with a small appetite

**MasterTig ACDC 3500W only requires a 20 amp 3-phase power supply**, some small indication of the economy offered by this modern power source design. A maximum power output of 350 amp at 60 % duty cycle ensures you have enough power and the integral water cooling unit keeps torches cool during high duty production welding.

**MasterTig ACDC 3500W control panels provide all of the necessary functions needed for TIG welding.** Simply choose the control level that suits your particular needs. Options include pulsed and basic versions with large clear meter displays. Standard features include: pre and post gas time control, upslope and downslope control, arc shape AC balance control, torch switch latching, remote control selection and MMA process. Safety codelock feature prevents unauthorised use of the equipment.

## Technical specifications

### MasterTig ACDC 3500W

Connection voltage	3~, 50/60 Hz	400 V (±10 %)
Rated power, max.	TIG	11.7 kVA
	MMA	15.7 kVA
Fuse, delayed	400 V	20 A
Output 40 °C	60 % TIG AC	350 A/24 V
	100 % TIG AC	280 A/21.2 V
	60 % MMA DC	350 A/34 V
	100 % MMA DC	280 A/31.2 V
Welding range	TIG DC	3 A/10 V...350 A/24 V
	AC	10 A/10 V...350 A/24 V
	MMA	10 A/20 V...350 A/34 V
Open circuit voltage	AC, DC	70 V DC
Power ratio at max. current		0.9
Efficiency at max. current		80 %
External dimensions	L x W x H	690 x 260 x 870 mm
Weight		74 kg

## Ordering information

### MasterTig ACDC 3500W

**6163505**

#### Control panels

ACDC basic panel	6162801
ACDC Minilog panel	6162802
ACDC Pulse panel	6162803
Transport unit T 22	6185256

This model is compatible with TTK torches only, please see the full available range of TIG torches on pages 86 – 89. Available remote control models are on page 120.



MasterTig ACDC 3500W has earned its reputation as a dependable, quality welding equipment

## Choose from three control panel options:



ACDC



ACDC Minilog



ACDC Pulse