A Whole New Weld

CIGWELD

CIGWELD

AC/DC Welding Inverters

# Transtig 220 & 300

- AC/DC Lift TIG (GTAW), HF TIG (GTAW) & Stick (MMAW) Inverter Power Source
- Pulse Welding, Spot Welding, 2T (Normal) and 4T (Latch) capabilities whilst in TIG Mode
- Standards compliant Voltage Reduction Device (VRD)
- Fail to Safe Shutdown if VRD malfunctions
- Fully compliant to AS60974.1-2006
- Enclosure rated to IP23S
- User friendly control panel with digital Voltage and Amperage meters
- 3 Year Limited Warranty*

## Features

- Fully compliant to AS60974.1-2006 rated to IP23S
- Power Factor Correction (PFC) Improves Product Efficiency (220AC/DC Only)
- Digital Voltage and Amperage Meters
- Power Source is fitted with HF Start in TIG Mode
- 3 Year Limited Warranty
- Alternating Current / Direct Current Output
- Power Source is fitted with Pulse Welding capabilities in TIG Mode
- Max Electrode Size 220AC/DC 4.0mm; 300AC/DC 5.0mm
- VRD Virtually Eliminates Electric Shocks when Not Welding
- Fail to Safe Shutdown if VRD Malfunctions
- Spot Welding
- Store up to 100 welding jobs
- AC/DC Lift TIG (GTAW), HF TIG (GTAW) & Stick (MMAW) Inverter Power Source
- Intelligent Fan Control

## Ordering Information

| | |
|---|---|
| W1007220 | Transtig 220AC/DC Plant |
| W1007221 | Transtig 220AC/DC Power Source |
| W1007301 | Transtig 300AC/DC Power Source |

## Optional Accessories Information

| | |
|---|---|
| 646757 | Lead Set 5m, 400A with 50mm² Dinse Connectors |
| 646325 | Lead Set 8m, 400A with 50mm² Dinse Connectors |
| 646763 | Electrode Holder with 8m lead, Trigger Switch (Deadman Switch) and 50mm² Dinse Plug |
| W4014604 | TIG Torch 26F with Flex Head, 4m lead, Trigger Switch and Remote Control and 50mm² Dinse Plug# |
| BGSAK2 | TIG Torch Accessories Kit |
| 301526 | Comet Edge Argon Regulator/Flowmeter |
| W7004913 | Shielding Gas Hose Assembly |

# TIG Torch 26F W4014604 is rated for 200A DC @ 30% and 300A DC @ 14%

## Are You Protected

## ProPlus+ Digital Auto Darkening Welding Helmet

454350
BLUE

454351
WEB

454352
BARBED WIRE

454353
PRO RACER

VICTOR TECHNOLOGIES™

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In the interest of continuous improvement, CIGWELD Pty Ltd ABN 56 007 226 815 (Victor Technologies International) reserves the right to change the specifications or design on any of its products without prior notice.

www.cigweld.com.au

# Weld Hard Stay Safe

## Outstanding seam quality and the perfect AC arc every time

When you need the highest quality aluminium weld, look no further than our Transtig 220AC/DC and 300AC/DC Series. Combining the finest hardware with the latest digital software control systems, these machines produce outstanding seam quality on even the thinnest materials.

The models come with DC stick, AC/DC Lift TIG and AC/DC HF TIG. Whilst in TIG the Transtig 220AC/DC and 300AC/DC is capable of Pulse Welding, Spot Welding, 2T (Normal) and 4T (Latch) modes. This makes them ideal for a range of industries, from boat building and panel beating to precision work in chemistry, wine or water tank installations.

As you'd expect from any CIGWELD product, the Transtig 220AC/DC and 300AC/DC models are packed with the latest safety features, which means the operator can confidently weld harder.

And with more controls at the stick, precise control has never been so easy.

"State-of-the-art technology for a precise weld, even on the thinnest aluminium."

### Specifications

| Description | TRANSTIG 220 AC/DC | TRANSTIG 300 AC/DC |
|---|---|---|
| Processes | AC/DC Lift TIG (GTAW), HF TIG (GTAW) & Stick (MMAW) | AC/DC Lift TIG (GTAW), HF TIG (GTAW) & Stick (MMAW) |
| Supply Voltage | 240V +/- 15% | 415V +/- 15% |
| Nominal Supply Frequency | 50/60Hz | 50/60Hz |
| Factory Fitted Plug Rating | 15A | Not Applicable |
| Number of Phases | 1 | 3 |
| Effective Input Current I1eff | 14.7A | 11.6A |
| Welding Current Range STICK Mode (MMAW) | 10 – 170A | 10 – 200A |
| TIG (GTAW) | 3 - 220A | 5 - 300A |
| Open Circuit Voltage (VRD active) | <23V DC | <25V DC |
| STICK (MMAW) Welding Output, 40°C, 10 min. | 170A @ 40%, 26.8V<br>140A @ 60%, 25.6V<br>120A @ 100%, 24.8V | 200A @ 60%, 28.0V<br>170A @ 100%, 26.8V |
| TIG (GTAW) Welding Output, 40°C, 10 min. | 220A @ 40%, 18.8V<br>180A @ 60%, 17.2V<br>160A @ 100%, 16.4V | 300A @ 30%, 22.0V<br>220A @ 60%, 18.8V<br>180A @ 100%, 17.2V |
| Minimum Generator Requirement | 6kW (7.5kVA @ 0.8PF)* | 13kW (16kVA @ 0.8PF)* |
| Power Source Dimensions | H 326mm x W 185mm x D 483mm | H 326mm x W 185mm x D483mm |
| Weight | 13.4 kg | 16.3 kg |
| Protection Class | IP23S | IP23S |
| Australian Standards | AS 60974.1-2006 /IEC 60974-1 | AS 60974.1-2006 / IEC 60974-1 |

## The perfect balance.

The secret to the Transtig's industry-leading performance is its intelligent core.

Quality hardware and state-of-the-art software make sure that gas and current are precisely controlled. The result is a very intense and focused arc that gives a slimmer seam and perfect optics, with minimal heat input.

Add to that automatic downslope, to help you smooth out those ends and fill up the craters properly and it's easy to see why CIGWELD's latest AC/DC range is so perfectly suited to precision welding.

* Refer to operating manual or www.cigweld.com.au for full details. CIGWELD cannot guarantee full welding output power or duty cycle on generators due to variations in performance and specifications of different brands and types of generators.
Transtig 220 & 300 AC/DC are not suitable for Cellulose Electrodes (6010). Transtig 300 AC/DC is also not suitable for 4mm Ferrocraft 22 Electrodes.

# State-of-the-arc technology

## Transtig 220AC/DC Plant

The Transtig 220AC/DC Plant comes with everything you need to get up and running on lighter aluminium fabrication jobs, including the power source, regulator, TIG torch, electrode holder and leads. The shoulder strap and bag allows portability onsite so you can setup in a single trip. And because it's a single phase machine, you'll be able to plug in and start welding just about anywhere.

### Plant Contents (Part No W1007220)

- Transtig 220AC/DC Power Source
- Comet Professional Argon Regulator/ Flowmeter
- TIG Torch 26F with Flex Head, Trigger Switch & 8 Pin Remote Control Connection
- TIG Torch Accessories Kit
- Electrode Holder with 5m Lead
- Work Clamp with 5m Lead
- Shielding Gas Hose Assembly
- Shoulder Strap
- Product Bag
- Operating Manual

## Transtig 220AC/DC Power Source

The Transtig 220AC/DC gives you high quality aluminium welding from a single phase power source. Light enough to swing over your shoulder but more than powerful enough for balustrade work, air conditioning piping or sheet metal fabrication, it's a machine that can be relied upon for multiple applications. Thanks to a clever bit of technology called power factor correction, the Transtig 220AC/DC is not only energy efficient but it will also run off a small generator too - perfect if you're out in the field or on a remote site.

### Power Source Contents (Part No W1007221)

- Transtig 220AC/DC Inverter Power Source
- Shielding Gas Hose Assembly
- Shoulder Strap
- Operating Manual

## Transtig 300AC/DC Power Source

With more power and a better duty cycle, the Transtig 300AC/DC is the workhorse of the Transtig range. There's pretty much no limit to what you can weld with this machine, making it ideal for boat yards, cylinder head repair shops and any other environments where heavy duty aluminium welding is needed.

### Power Source Contents (Part No W1007301)

- Transtig 300AC/DC Inverter Power Source
- Shielding Gas Hose Assembly
- Shoulder Strap
- Operating Manual