

# Invertec® V320-T AC/DC

## Perfect performance, digital dynamics

The Invertec® V320-T AC/DC is an industrial TIG welding machine designed and manufactured by using the latest inverter digital technology, enabling the machine to perform at a high output: 320A at 35% duty cycle. Equipped with Power Factor Correction (PFC) it can provide more output power with the same input current than conventional inverter and can be connected to both 400V AC and 230V AC 3 phase supply. The controller provides all the features you would expect from a professional AC/DC TIG inverter welding machine combined with a user-friendly layout. The variable frequency control allows the welder to adjust the arc focus to suit the application. The machine is equipped with a unique LCD user interface, not only showing welding parameters, but also the effect on the arc. Simply add COOL ARC® 34 to get a water cooled version.

### Features

- Digital inverter technology allowing 100% reproducible results.
- Superb welding characteristics with TIG AC, TIG DC and MMA processes.
- Unique LCD user interface allows precise setting of welding parameters.
- Adjustable cleaning and penetration for perfect aluminium welding.
- Variable AC frequency for control of travel speed and penetration.
- Adjustable Hot or Soft start to produce a better weld bead appearance at the start.
- Fan as needed (F.A.N.™) built-in reduces power and the intake of dust and fumes.
- Suitable for 230-400V (+15%-10%) three phase use smart switching.
- PFC gives low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process



#### Processes

- Stick
- Lift TIG, TIG AC, TIG DC
- TIG Pulse



#### Recommended Consumables

- **Steel**  
LNT 25, LNT 26, LNT Ni1, LNT 19
- **Stainless steel**  
LNT 304L, 316L, 309LSI

#### Unit Includes

- 2 m input cable
- Gas connection kit

#### Key Options

- **KIT-300A-50-5M** Cable Kit 300A - 50 mm<sup>2</sup> - 5 m
- **GRD-300A-50-xM** Ground cable 300A - 50 mm<sup>2</sup> - 5/10 m
- **K10513-26-x** TIG torch LT 26 G - 180A - 4/8 m
- **K10513-26-xF** TIG torch LT 26 G - 180A - lever grip - 4/8 m
- **K10513-18-x** TIG torch LT 18 W - 320A - 4/8 m
- **K10513-18-xF** TIG torch LT 18 W - 320A - lever grip - 4/8 m
- **K10513-20-x** TIG torch LT 20 W - 220A - 4/8 m
- **K10513-20-xF** TIG torch LT 20 W - 220A - lever grip - 4/8 m
- **K10095-1-15M** Remote control - 15 m
- **K12047-1** Water cooler COOL ARC® 34
- **K10420-1** Coolant Acorox (2x5l)
- **K2694-1** Undercarriage



#### INPUT



#### OUTPUT



#### Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class
Invertec® V320-T AC/DC	K12046-1	230/400V/3Ph	5 - 320	320A/22.8V/35%	32/20	28	432 x 280 x 622	IP23S / H

