

# Invertec® 170TX & TPX

## Invertec® 220TPX

### Professional TIG welders for tough conditions

The Invertec® 170TX, 170TPX and 220TPX TIG and Stick welders combine a rugged industrial construction with excellent arc characteristics. They are full function DC TIG inverters with excellent arc control and perfect Arc Start in any welding conditions. All the machines have been designed, not only as a TIG welder, but to also operate as a stick welder with a variety of popular stick electrodes. Their portable rugged design makes them ideal for both in shop or field use. The Invertec® 170TX is the base model with basic TIG and Stick functions. The Invertec® 170TPX has additional features including Pulse TIG, 10 memory locations, TIG Spot welding for improved TIG welding performances. The Invertec® 220TPX includes all the same features and advantages as the Invertec 170TPX model with the addition of Power Factor Correction (PFC) circuitry that allows TIG welding UP to 220A with 16A single phase input voltage. All the machines are designed to operate on engine driven generators.

### Features

- Advanced inverter technology for superior TIG performance.
- Full function user-friendly control panel layout with graph and a numeric display make it easy to set all welding parameters.
- Rugged construction: electrical safety (IP23), potted PC boards and optimum airflow reduce contamination to extend the equipment's life in the harshest environmental conditions.
- HF and Lift TIG ignition meeting all requirements.
- Perfect TIG HF starting with pre-settable stating mode.
- Complete TIG parameters setting: Pulse TIG with variable frequency that allows the welder to adjust the arc focus to suit the applications, 10 memory location for personalized welding setting, TIG Spot welding (170TPX, 220TPX).
- PFC (Power Factor Correction) advantages: 30% more output current with the same input current, suitable for 115-230V (+15%-10%) single phase, low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process (220TPX).

### Processes DC Inverter

- Stick
- Lift TIG / TIG HF
- TIG Pulse (170TPX, 220TPX)

### 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-200A-25-3M** Cable Kit 200A – 25 mm<sup>2</sup> – 3 m
- **KIT-200A-35-5M** Cable Kit 200A – 35 mm<sup>2</sup> – 5 m
- **KIT-250A-35-5M** Cable Kit 250A – 35 mm<sup>2</sup> – 5 m
- **GRD-200A-35-xM** Ground cable 200A – 35 mm<sup>2</sup> – 5/10 m
- **K10529-17-x** TIG torch LTP 17 G – 140A – 4/8m
- **K10529-26-x** TIG torch LTP 26 G – 180A – 4/8m
- **K10529-20-x** TIG torch LTP 20 W – 220A – 4/8m
- **K870** Foot Amptrol
- **K14147-1** Remote control – 15 m
- **K14148-1** Extension for remote control 15m



### Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output (TIG)	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class
Invertec® 170TX	K12054-1	230V/1Ph	5-170	170A/16.8V/35%	16	12	328 x 212 x 465	IP23 / H
Invertec® 170TPX	K12055-1			130A/15.2V/100%		12		
Invertec® 220TPX	K12057-1	115/230V/1Ph	2-220	220A/18.8V/25% 150A/16V/100%	13	13		

rev.: E-GTAW05-EN-17-10-16



### INPUT



### OUTPUT

