

**Welding process**

- MMA (Electrode)
- TIG DC Lift and HF start

**Materials**

- Carbon steels
- Stainless steels
- Nickel and nickel alloys
- Copper and copper alloys
- Titanium and titanium alloys
- Cast irons

**Applications**

- Light jobshop fabrication
- Boiler and tank construction
- Buildingsites
- Shipyards
- Automobile industry
- Motorcycle industry
- Cycle industry
- Nuclear industry
- Military industry
- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Repair and overhaul
- Chassis
- Workshops

**Technical features**

- New generation inverter technology power source (patented 3-level technology)
- Heavy duty and environmental conditions, high service life
- CAN fieldbus digital communication protocol system (very high speed and high reliability digital communication)
- Software based controls can be upgraded as new features become available
- Reduced dimensions and compact construction
- High temperature, shockproof, abrasion resistant plastic case
- Airflow ducting and fully encapsulated PC board to avoid dust contamination
- Power source trolley for easy system manoeuvrability
- Full digital and user-friendly control panel
- Welding parameters digital display
- Last job settings auto-storage at switch-off
- Lock-unlock function key protected by password
- Ideal for stick welding with multiple types of popular electrodes
- Built-in adjustable arc control features (hot start, arc force, antisticking)
- Synergic setting for optimal stick welding with multiple types of electrodes
- Trigger of the arc in HF mode
- Manual restart or downslope stop functions
- Bi-Level operating mode
- Pulsed and fast pulsed operating mode (2500Hz)
- Easy joining
- Current socket (panel) 50/70 mm<sup>2</sup>
- Up/Down torch compatible (welding current adjustment)
- Remote control compatible
- WU cooling unit compatible
- Controlled cooling operations

**Power source**

			<b>P</b>	<b>X%</b>			<b>P.F.</b>	<b>I<sub>2</sub></b>	<b>U<sub>0</sub></b>	<b>IP</b>	<b>mm</b> l x w x h	<b>ΔKg</b>
<b>TERRA 270 TLH</b>	3x400V TIG	16A	14,0kVA 9,7kW	40°C 60% 40°C 100% 25°C 100%	270A 250A 270A	0,70	3-270A	70V	23S	500x190x400mm	16,1kg	
	3x400V MMA	16A	14,0kVA 9,7kW	40°C 40% 40°C 60% 40°C 100% 25°C 100%	270A 255A 240A 270A	0,70	3-270A	70V	23S	500x190x400mm	16,1kg	

**Cooling unit**

		<b>P</b>		<b>IP</b>	<b>mm</b> l x w x h	<b>ΔKg</b>
<b>WU 130</b>	48Vdc	0,7kW	2,0l	23S	480x190x180mm	8,8 kg

