

# TERRA 320 TLH

## Welding process

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

## Materials

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

## Applications

- Medium-heavy jobshop fabrication
- Boiler and tank construction
- Plant machinery construction
- Automobile industry
- Cycle industry
- Nuclear industry
- Military industry
- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Pipeline construction
- 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
- Extremely rugged, reliable and easy-to-use systems
- 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>o</sub></b>	<b>IP</b>	<b>mm</b> l x w x h	<b>△Kg</b>
<b>TERRA 320 TLH</b>	3x400V TIG	25A	15,9kVA 10,9kW	40°C	60%	320A	0,68	3-320A	61V	23S	620x240x460mm	20,5kg
				40°C	100%	280A						
				25°C	70%	320A						
				25°C	100%	290A						
	3x400V MMA	25A	15,9kVA 10,9kW	40°C	50%	300A	0,68	3-300A	61V	23S	620x240x460mm	20,5kg
				40°C	60%	290A						
				40°C	100%	250A						
				25°C	80%	300A						
			25°C	100%	290A							

## Cooling unit

		<b>P</b>		<b>IP</b>	<b>mm</b> l x w x h	<b>△Kg</b>
<b>WU 230</b>	1x400 Vac	1,0 kW	3,0l	23S	660x240x220mm	12,0 kg

