

TERRA 180 TLH

Welding process

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

Materials

- Carbon steels
- Stainlesssteels
- Nickelandnickelalloys
- Castirons
- Copperandcopperalloys
- Titaniumandtitaniumalloys

Applications

- Lightjobshopfabrication
- Buildingsites
- Shipyards
- Cycleindustry
- Nuclearindustry
- Foodindustry
- Chemicalindustry
- Repairandoverhaul
- Repairandoverhaul
- Building
- Plumbing



Technical features

- New generation advanced inverter technology power source for high speed dynamic arc control and superior welding performance
- 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
- Linear controlled fan on demand
- Excellent performances also with long power supply extension cables
- Full digital and user-friendly control panel
- Welding parameters digital display
- Last job settings auto-storage at switch-off
- Ideal for stick welding with multiple types of popular electrodes
- Built-in adjustable arc control features (hot start, arc force, antisticking)
- Manual restart or downslope stop functions
- 2/4 step operating mode
- Bi-Level operating mode
- Spot welding mode
- Pulsed and fast pulsed operating mode (2500Hz)
- Synergic post-flow adjustment
- Easy joining
- Current socket (panel) 50/70 mm²
- Up/Down torch compatible (welding current adjustment)
- Remote control compatible

Power source

			P	X%			P.F.	I₂	U_o	IP	mm l x w x h	△Kg
TERRA 180 TLH	1x230V TIG	16A	8,5kVA 5,9kW	40°C 45%	60%	170A	0,70	3-170A	106V	23S	410x150x330mm	8,4kg
				40°C 100%	140A							
	1x230V MMA	16A	8,5kVA 5,9kW	40°C 35%	60%	170A	0,70	3-170A	80V	23S	410x150x330mm	8,4kg
				40°C 100%	120A							
				25°C 100%	150A							

CONFIGURATIONS

TERRA 180 TLH - TIG welding configuration - 4 m torch - ST 1700 U/D

AC

77.57.00601	TERRA 180 TLH WITH ST 1700 U/D TIG TORCH - L.4m	A
71.05.011	WORK CABLE - 25mm ² - L.4m - PLUG 50mm ²	A