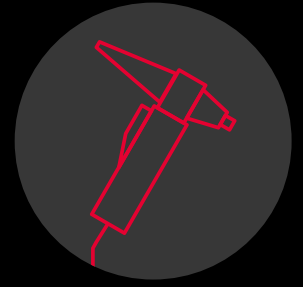




# TIG $\mu$ P 453H AC-DC

Inverter 400V 3 phases



Tig Lift



Tig Pulse



HF



Slope Down



AC-DC



Stick



Memory



V.R.D.



Motogen.

## Standards and Warranty

60974-10 | 60974-3 | 60974-1



MADE IN ITALY



### Inverter

Inverter technology concentrates high welding performance in a compact structure, improving welding and reducing dimensions and weights.

### Tig Lift

The Tig lift function allows perfect ignition with the Tig torch even in AC mode.

### Tig Hf

HF iniction (High Frequency) for start without touching the working piece. Possibility to adjust the Slope Down from 0 to 10s, useful for filling the final crater which allows a perfect appearance of the bead.

### Tig Pulse

It is possible to use the Pulse function for a lower heat input on the welding process up to 1000 Hz. Pulse also in AC mode.

### Tig BLV™

Possibility to select two current levels and recall them through the torch trigger during welding.

### AC-DC

The AC mode generates a square wave current weld that can be fully adjusted to achieve maximum cleanliness or penetration into the aluminum welding. Possibility to adjust the AC Frequency and Balance.

### AC Asymmetric

Possibility to set the current independently EN (Electrode Negative) and EP (Electrode Positive).

### 3 Waves Form

Possibility to select SQUARE WAVE, SINE WAVE, TRIANGULAR WAVE.

### UP - DOWN

Possibility to connect the up-down TIG torch with potentiometer or foot pedal remote.

### V.R.D.

Voltage Reduction Device is the possibility to reduce the No-Load Voltage below 20V to avoid the Electric Shock risk. Mandatory in many shipyards.

### DFB™

Double Full-Bridge to use high performing components and possibility to work at 130KHz frequency with reduction of weight and dimension.

### SMP™

STEL MODULE POWER maximum flexibility to use of any type of power components with advantages on availability and technological updating.



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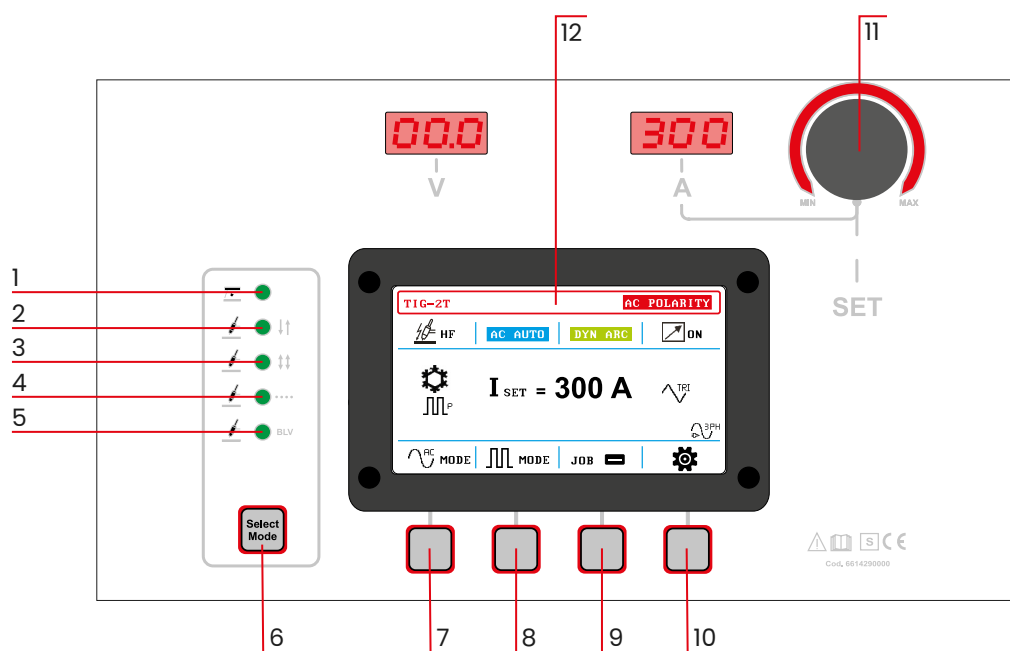
## Technical Data

Main Voltage	380-415 V	Work Temperature	40°C
Phases	3	Current Range	4-400 A
Frequency	50/60 Hz	Welding Current 45% (25°C)	400 A
Real Current (30%)	13,5 A	Welding Current 100% (25°C)	320 A
Real Power (30%)	7,5 KVA	Welding Current 35% (40°C)	400 A
Power Factor	0,8	Welding Current 60% (40°C)	340 A
Efficiency	80%	Welding Current 100% (40°C)	300 A
No Load Voltage	68 V	Earth Clamp	50 mm <sup>2</sup>
Degree of Protection	IP 23	Length x Width x Height	590x300x435
Insulation Class	H	Weight	47 Kg
Safety Approved			

The data were collected at a temperature of 40°C.

## Front Panel Description

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>1. ELECTRODE led indicating mode</li> <li>2. TIG 2T led indicating mode</li> <li>3. TIG 4T led indicating mode</li> <li>4. SPOT WELDING led indicating mode</li> </ul> | <ul style="list-style-type: none"> <li>5. MULTI SPOT WELDING led indicating mode</li> <li>6. SELECT MODE button</li> <li>7. Function Selection button</li> <li>8. Function Selection button</li> </ul> | <ul style="list-style-type: none"> <li>9. Function Selection button</li> <li>10. Function Selection button</li> <li>11. Encoder for Amps regulation/ other Functions A/SET</li> <li>12. Digital Display</li> </ul> |
|---|--|--|



## Accessories

### 1. 6941800000

Warranty Extension 3&5 YEARS

### 2. 601471000L

Water Cooling Unit AWC MPX

### 3. 600239000L

5L Tank Cooling Liquid STELFreeze

### 4. 600514000L

Trolley MP

### 5. 607010001L

Earth Clamp/Cable 70mm<sup>2</sup> 3m

### 6. 601295000L

Torch Tig TTS 18 4m H2O + 2 PIN plug

### 7. 601296000L

Torch Tig TTS 18 8m H2O + 2 PIN plug

### 8. 601705000L

Torch Tig TTS 18 4m H2O + 14 PIN plug + Potentiometer

### 9. 601706000L

Torch Tig TTS 18 8m H2O + 14 PIN plug + Potentiometer

### 10. 601297000L

Torch Tig TTS 18 4m H2O + 14 PIN plug + UP - DOWN

### 11. 601552000L

Torch Tig TTS 18 8m H2O + 14 PIN plug + UP - DOWN

### 12. 601294000L

Torch TIG TTS 20 4m H2O (with consumables and 14 PIN connector AND UP/DOWN)

### 13. 601553000L

Torch TIG TTS 20 8m H2O (with consumables and 14 PIN connector AND UP/DOWN)

### 14. 601286000L

14 PIN plug

### 15. 601609000L

Kit Support

### 16. 600102000L

Foot Pedal Remote 4,5m

### 17. 6056100000

Gas Regulator with Flow Meter

### 18. 6014910000

Helmet Aspire Jackson

