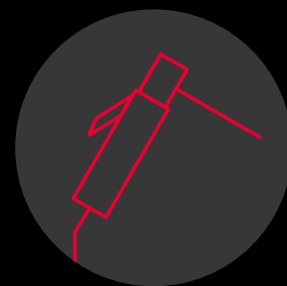




MAX 453

Inverter 400V 3 Phases



Rod Pulse™



Hot Start



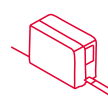
Arc Force



Tig lift



Tig Pulse



CC/CV



Slope down



V.R.D.



Motogen.

Standards and Warranty

60974-10 | 60974-1



MADE IN
ITALY



Inverter

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

Multiprocess

MAX 453 is a multiprocess power source: STICK, TIG LIFT, MIG MAG, MIG PULSE*, MIG DOUBLE PULSE*.

* Only with Feeder TOP 504 XXM

Tig lift

The Tig lift function allows perfect ignition with the Tig torch, available also adjustable slope down (0-10 seconds).

Cellulosico

MAX 453 is able to weld any type of electrode including Cellulosic.

Rode-Pulse™

MAX 453 allows pulsed electrode

welding with the innovative ROD-Pulse™ system. The advantages of appearance and arc control are unmatched in particular with cellulosic electrodes.

Arc-Force

Possibility to adjust the Arc-Force for a better penetration.

Hot-Start

Possibility to adjust the Hot Start for a better electrode strike.

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.

Fan Control

The fans are controlled by the Power Source which adjusts their intensity based on the current and the arc on time. Ideal for

avoiding contamination in harsh environments.

DSP

Digital Signal Processor digital arc control for maximum welding performance in all processes.

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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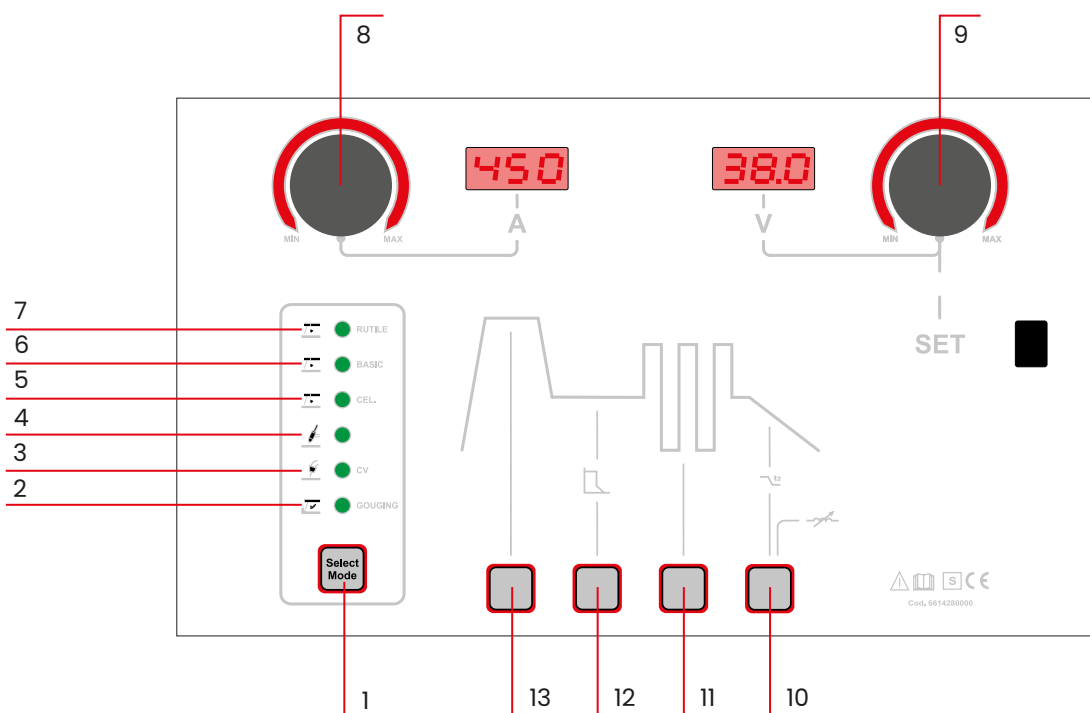
Technical Data

Main Voltage	400 V	Work Temperature	40°C
Phases	3	Current Range	4-450 A
Frequency	50/60 Hz	Welding Current 45% (25°C)	450 A
Real Current (35%)	19 A	Welding Current 100% (25°C)	370 A
Real Power (35%)	12,4 KVA	Welding Current 35% (40°C)	450 A
Power Factor	0,85	Welding Current 60% (40°C)	430 A
Efficiency	87%	Welding Current 100% (40°C)	350 A
No Load Voltage	80 V	Earth Clamp	50 mm²
Degree of Protection	IP 23	Length x Width x Height	680x300x435
Insulation Class	H	Weight	50 Kg
Safety Approved			

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

Front Panel Description

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> 1. SELECT MODE button 2. AIR ARC GOUGING led indicating mode 3. MIG CV led indicating mode 4. TIG LIFT led indicating mode 5. CELLULOSIC ELECTRODE led indicating mode | <ul style="list-style-type: none"> 6. BASIC ELECTRODE led indicating mode 7. RUTILE ELECTRODE led indicating mode 8. Encoder for Amps regulation 9. Encoder for Voltage regulation/ other Functions V/SET ; | <ul style="list-style-type: none"> 10. Slope Down/Inductance button 11. Pulsed mode button 12. Arc force button 13. Hot start button |
|---|---|--|



Accessories

1. 6941800000

Warranty Extention 3&5 YEARS

2. 602020000L

KIT Cables 50mm Dinse 50

3. 600364000L

Trolley MMA XP

4. 642850000L

Torch Tig TTS 26V 4m Air Dinse 50

5. 600971000L

Torch Tig TTS 26V 8m Air Dinse 50

6. 600571000L

Remote Control RC1

7. 600572000L

Cable Remote Control RC1 10m

8. 600573000L

Cable Remote Control RC1 20m

9. 600574000L

Cable Remote Control RC1 30m

10. 6056100000

Gas Regulator with Flow Meter

11. 6014910000

Helmet Aspire Jackson

