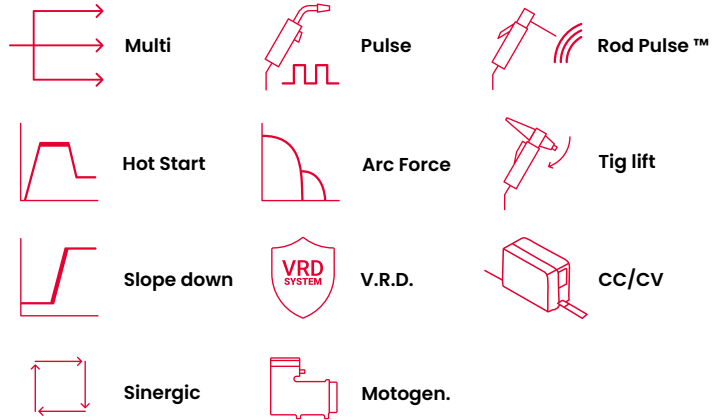
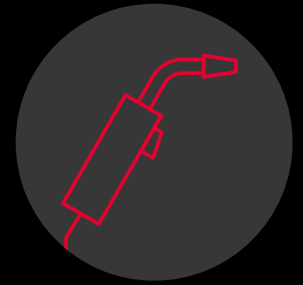




S400 F20

Inverter Pulse Mig 400V 3 phases



Standards and Warranty

60974-10 | 60974-5 | 60974-1



MADE IN ITALY



Inverter

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

Multiprocess

S400 F20 is a multiprocess power source: STICK, TIG LIFT, MIG MAG, PULSE MIG.

DigiMig Torch

Possibility to use a new Digital Torch with display. This offers the possibility of selecting welding parameters and programs in a clear and simple way directly from the torch handle.

Tig lift

The Tig lift function allows perfect

ignition with the Tig torch, available also adjustable slope down(0-10 seconds).

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.

4 Rulli

F20 are equipped with 4 Rolls feeders for a smooth wire feeding.



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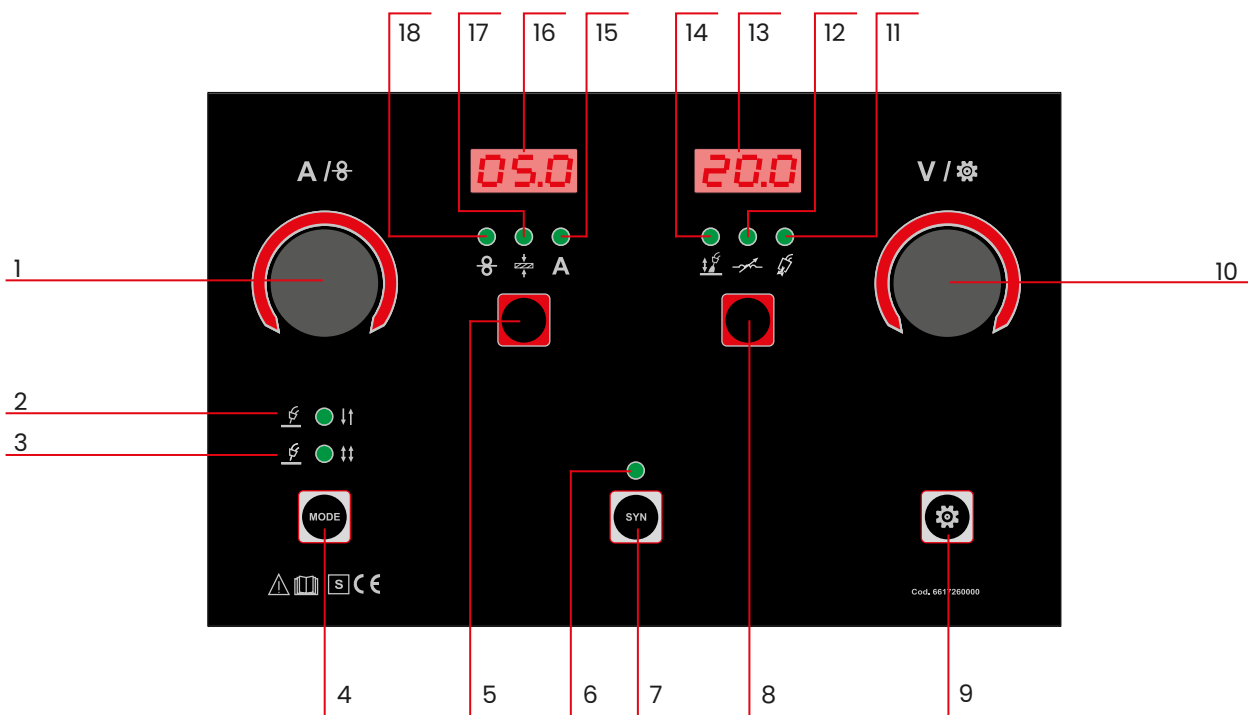
Technical Data

Main Voltage	400 V	Work Temperature	40°C
Phases	3	Current Range	4-400 A
Frequency	50/60 Hz	Welding Current 40% (25°C)	400 A
Real Current (35%)	19 A	Welding Current 100% (25°C)	350 A
Real Power (35%)	11,2 KVA	Welding Current 35% (40°C)	400 A
Power Factor	0,85	Welding Current 60% (40°C)	350 A
Efficiency	85%	Welding Current 100% (40°C)	300 A
No Load Voltage	70 V	Earth Clamp	70 mm ²
Degree of Protection	IP 23	Wire Feeder Rollers	4
Insulation Class	H	Length x Width x Height	1040x500x1430
Safety Approved		Weight	120 Kg

The data were collected at a temperature of 40 °C

F20 Front Panel Description

- | | | |
|--------------------------------------------|---------------------------------------|--------------------------------------------|
| 1. Encoder Wire Speed / Current regulation | 7. Synergic Mode button Activation | post gas |
| 2. Led MIG 2T | 8. Parameters Selection Button | 14. Led Volts |
| 3. Led MIG 4T | 9. Functions Selection Button | 15. Led Ampere |
| 4. MODE Button | 10. Encoder V / SET regulation | 16. Display Wire Speed, Thickness , Ampere |
| 5. Parameters Selection Button | 11. Led Pre gas e Post gas | 17. Led Thickness Material |
| 6. Led Synergic Mode Active | 12. Led inductance | 18. Led Wire Speed |
| | 13. Display Volts, Incuctance, pre or | |



Synergic Program List

Fe 0.8mm M21
Fe 1.0mm M21
Fe 1.2mm M21
Fe 0.8mm CO2
Fe 1.0mm CO2
Fe 1.2mm CO2

Fe 1.0mm MIX PULSED
Fe 1.2mm MIX PULSED
SS 0.8mm 98/2
SS 1.0mm 98/2
SS 1.2mm 98/2
AlMg5 1.0mm

AlMg5 1.2mm
AlSi5 1.2mm
CuSi 0.8mm
CuSi 1.0mm

Accessories

1. 6941800000

Warranty Extention 3&5 YEARS

2. 601858000L

Trolley S400

3. 601862000L

KIT Wheels for Feeder

4. 601857000L

Cooling Unit C10 (Liquid NOT Included)

5. 600239000L

5L Tank Cooling liquid STELFreeze

6. 601815000L

Torch Push-Pull + Interface PCB KIT

7. 601865000L

Interconnecting Cable 50mm² 2m Air

8. 601891000L

Interconnecting Cable 50mm² 2m H2O

9. 601866000L

Interconnecting Cable 70mm² 5m Air

10. 601868000L

Interconnecting Cable 70mm² 5m H2O

11. 601867000L

Interconnecting Cable 70mm² 10m Air

12. 601869000L

Interconnecting Cable 70mm² 10m H2O

13. 601877000L

Interconnecting Cable 70mm² 25m Air

14. 601878000L

Interconnecting Cable 70mm² 25m H2O

15. 6015130000

Torch Mig TMS 500 3m H2O

16. 6015140000

Torch Mig TMS 500 4m H2O

17. 6018750000

Torch Digi Mig 3m H2O

18. 6018760000

Torch Digi Mig 4m H2O

19. 6350700000

Roll d.37 0,8-1,0 Carbon Steel

20. 6360600000

Roll d.37 1,0-1,2 Carbon Steel

21. 6360700000

Roll d.37 1,2-1,6 Carbon Steel

22. 6361600000

Roll d.37 1,0-1,2 Flux Cored

23. 6360800000

Roll d.37 1,2-1,6 Flux Cored

24. 6367200000

Roll d.37 1,6-2,4 Flux Cored

25. 6345200000

Roll d.37 1,0-1,2 Aluminium

26. 6360900000

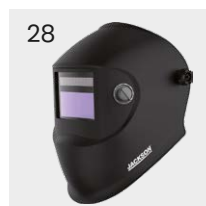
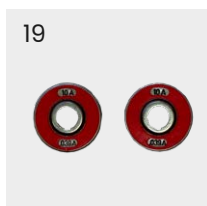
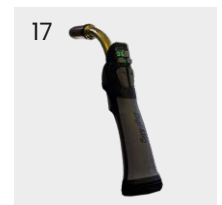
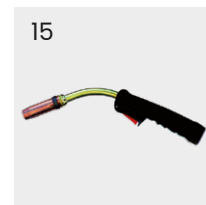
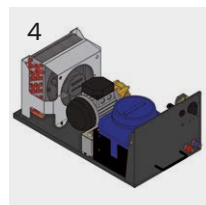
Roll d.37 1,6-2,4 Aluminium

27. 6055900000

Gas Regulator 2 Gauges (Italian Gas Connection)

28. 6014910000

Helmet Aspire Jackson



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