

ELECTROMIG 550 SYNERGIC AQUA



- Multiprocess inverter welding machine (MIG-MAG/FLUX gas shielded/BRAZING/MMA/TIG DC-Lift) with external 4-roller wire feeder and water cooling unit, 500A. 3ph 230/400V power supply.
- OneTouch synergic adjustment: easy to use. 40 pre-set synergic curves for various gases and materials. Possibility of creating, saving and retrieving customised welding programs.
- ATC (Advanced Thermal Control) to facilitate welding on thin materials.
- Ample, immediate and easy reading LCD display.
- High performance with reduced consumption.

TECHNICAL DATA

CODE	816194	CURRENT CONTROL RANGE 230V DC	20 - 400 A	ALUM. WELDING WIRE DIAM.	0,8 - 1,6 mm
THREEPHASE MAINS VOLTAGE	230 / 400 V	CURRENT 60% DC 230V	330 A	FLUX CORED WELDI.WIRE DIA.	1 - 2,4 mm
MAINS TOLERANCE	-15/+15 %	CURRENT 100% DC 230V	230 A	BRAZING WIRE DIAM.	0,8 - 1,2 mm
MAINS FREQUENCY	50 / 60 Hz	MAX ABSORBED CURRENT 230V	45 A	WIRE COIL SIZE Min-Max	200 - 300 mm
MAX CURRENT DC EN60974-1	500 @ 40% A	MAX DC NO LOAD VOLT. 230V	110 V	FEED ROLLS	4
CURRENT CONTROL RANGE DC	20 - 500 A	RANGE VOUT MIG 230V	9 - 34 V	FEED ROLLS TYPE	P
CURRENT 60% DC	400 A	T0102401	19,5 A	FEED ROLLS Ø	30 mm
CURRENT 100% DC	300 A	T0361302	12,2 kW	WIRE SPEED RANGE	1,5 - 20 m/min
MAX ABSORBED CURRENT	35 A	MAX ABSORBED POWER 230V	17 kW	SUPPLY CABLE LENGTH	3 m
MAX DC NO LOAD VOLTAGE	85 V	FUSE 230V	32 A	ELECTROMAGN. COMPATIBLE CLASS	A
RANGE V OUT MIG	9 - 39 V	ABSORBED POWER idle	41 W	NORM	EN 60974-1 /-5 /-10
ABSORBED CURRENT AT 60%	25,7 A	EFFICIENCY	90 %	INSULATION CLASS	H
ABSORBED POWER AT 60%	16,0 kW	ELECTRODES Ø	1,6 - 8 mm	PROTECTION DEGREE	IP23
MAX ABSORBED POWER	22 kW	T04313	TE 550	DIMENSIONS (LxWxH)	103 x 51 x 145 cm
FUSE	25 A	STEEL WELDING WIRE DIAMET.	0,6 - 2,4 mm	WEIGHT	98 kg
MAX CURRENT DC EN60974-1 230V	400 @ 40% A	INOX WELDI.WIRE DIAMETER	0,8 - 2,4 mm		

COMPOUND PRODUCTS

MIG - AQUA TORCHES

802741 MT500 MIG TORCH 3 M AQUA

WATER COOLING UNITS

804058 GRA 5500 WATER COOLING UNIT

MIG CONNECTION CABLES

804293 CONNECTING CABLE 70MMQ 1.5M AQUA

WIRE FEEDERS AND ACCESSORIES

806294 TE 550 WIRE FEEDER

OPTIONAL ACCESSORIES

ELECTRODE HOLDERS WITH CABLE

804126 ELECTRODE HOLDER + CABLE 70MMQ 4M AX70

REMOTE CONTROLS

802336 RC-20 10 M CONTROL 2POT

OTHER ACCESSORIES

803067 TWO GASBOTTLE HOLDER KIT

GAS REGULATORS

722346 GAS REGULATOR 2 MANOMETERS 32 L\min

804208 QUICK GAS CONNECTOR

MIG/MAG WELDING KITS

802409 ALUMINIUM WELDING KIT D. 1-1,6 MM

802276 FLUX CORED WIRE WELDING KIT D. 1-2,4 MM

MIG - AQUA TORCHES

742996 MT240 MIG TORCH 4M AQUA

742821 MT500 MIG TORCH 4M AQUA

722683 MT500 MIG TORCH 5M AQUA

742881 MT555 DC MIG TORCH 4M AQUA

WIRE FEEDERS AND ACCESSORIES

804224 WIRE FEEDER WHEELS KIT

802486 COIL ADAPTOR B-300

MIG CONNECTION CABLES

802398 CONNECTING CABLE 70MMQ 4M AQUA

802399 CONNECTING CABLE 70MMQ 10M AQUA

802470 CONNECTING CABLE 95MMQ 30M AQUA

OTHER MIG ACCESSORIES

982219 PUSH PULL BOARD KIT

804403 MULTIPURPOSE BRACKET KIT FOR GENERATOR

TIG TORCHES

742058 ST26V 4M AX50 TIG TORCH

WATER COOLING UNITS

804258 GRA 5505 EXTRA POWER WATER COOLING UNIT

DESCRIPTION

MIG-MAG/FLUX gas shielded/BRAZING/MMA and TIG DC-Lift multiprocess inverter welding machine, with 4-roller wire feeder.

Flexible use with various welded materials (steel, stainless steel, aluminium) or brazed materials (galvanised sheet metal).

Wide variety of application fields, from industry to maintenance, installation to bodywork activities. Synergic adjustment makes the product simple to use. The Made in Telwin ATC technology makes it easy to achieve excellent standards of welding on thin materials thanks to state-of-the-art control of the arc.

Features:

- Manual or synergic operating;
- 40 pre-set synergic curves;
- Possibility of creating, saving and retrieving customised welding programs;
- MIG-MAG adjustments: wire up slope, electronic reactance, wire burn-back time, post gas;
- 2/4 time operation selection, Bi-Level, spot, inch and mm material thicknesses;
- Adjustments in MMA: hot start, arc force, anti-stick;
- VRD selection.
- Protections: thermostatic, overvoltage, undervoltage, overcurrent, engine driven generator (+/-15%);
- TIG Lift

Complete with MIG-MAG torch, cable and earth clamp and water cooling unit.

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CATALOG IMAGE



INSTRUCTION MANUAL



BROCHURE



CERTIFICATE