



Taurus 501 Synergic S LP MM FKW



/ forceArc®
 / rootArc®
 / superPuls
MULTIMATRIX



- Equipped at no extra charge with EN 1090 certified Synergic characteristics for EWM forceArc and rootArc
- Excellent Multimatrix welding characteristics
- Synergic or manual welding operation
- Equipped at no extra charge with EN 1090 certified Synergic characteristics for GMAW welding of steel/CrNi/aluminium
- Suitable for MMA welding, TIG welding and gouging at no extra charge
- Infinitely adjustable arc dynamics (choke effect)
- Large power reserves thanks to high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
- Equipped for 1.2 mm steel wire
- Wire spool diameter up to 300 mm/D3, 200 mm/D2 possible with adapter
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 12-litre water tank
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- High mains voltage tolerances +20%/-25% and therefore fully generator-compatible
- Connection capability for remote control and function torch
- Option to network via LAN or WiFi thanks to Multimatrix technology, Xnet-compatible
- LP control can be easily changed for HP control at any time

	MIG/MAG		TIG		MMA	
Setting range for welding current	5 A - 500 A		5 A - 500 A		5 A - 500 A	
Duty cycle at ambient t.e	25 °C	40 °C	25 °C	40 °C	25 °C	40 °C
60 %	–	500 A	–	500 A	–	500 A
65 %	500 A	–	500 A	–	500 A	–
100 %	460 A	430 A	460 A	430 A	460 A	430 A
Open circuit voltage	80 V					
Mains frequency	50 Hz / 60 Hz					
Mains fuses (slow-blow)	3 x 32 A					
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)					
Max. connected load	24.6 kVA		18.9 kVA		25.3 kVA	
Recommended generator power	35 kVA					
cos φ	0.99					
Efficiency	90 %					
Drive rolls	4					
Wire speed	0.5 m/min - 25 m/min					
Dimensions machine, LxWxH in mm	1100 x 455 x 1000					
Weight, machine	118 kg					
Protection classification	IP 23					
Insulation class	H					
Torch connection	Euro torch connector					
Cooling output	1500 W (1l/min)					
Tank capacity	12 l					
Flow rate	5 l/min					
Max. output pressure	3.5 bar					
Standards	IEC 60 974-1; -5; -10 / CE / S-Safety sign / EMC class A					



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