## Fabricator EM 401i & 501i

Rugged & reliable inverter















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- Rugged and Reliable welding system for heavy application, 400 A or 500 A at 60% Duty Cycle
- Three variants, one 500 with integrated cooling unit and two 400 with and without cooling unit
- Energy savings with high power factor, high efficiency and low idle power
- Lower cost of operation. Delivers all the added benefits of an inverter technology at a similar price as a conventional transformer machine
- The machine is built in with integrated wide and large wheels and cylinder support to facilitate moving around the workshop. Also includes two side cable handling supports
- Wide voltage tolerance for stable welding output and with variable inductance control for better arc performance
- IP23 use anywhere, for field and workshop applications

Specifications		Fabricator EM 401i	Fabricator EM 501i	
Input Voltage		380 - 415 V 3ph ± 10% 50/60 Hz	380 - 415 V 3ph ± 10% 50/60 Hz	
Welding Output MIG/MAG (GMAW), MMA (SMAW)		400 A @ 60% duty cycle 310 A @ 100% duty cycle	500 A @ 60% duty cycle 390 A @ 100% duty cycle	
Settings range DC	GMAW FCAW SMAW	30-400 A, 15.5-34 V 30-400 A, 21.2-36 V	30-500 A, 15.5-39 V 30-500 A, 21.2-40 V	
Energy Saving Mode		< 35 W	< 35 W	
Mains Cable		4 x 6 Ø mm²	4 x 6 Ø mm²	
Power Factor at Maximum Current MIG/MAG		0.91	0.91	
Efficiency at Maximum Current MIG/MAG		86%	87%	
Operating Temperature		-10 to 40°C	-10 to 40°C	
Enclosure Class		IP 23	IP 23	
Application Class		S	S	
Certification Mark		CE, EAC	CE, EAC	
Dimensions, L x W x H w/ cooling unit		1,035 x 500 x 1,015 mm	1,035 x 500 x 1,015 mm	
Weight		102 kg	-	
Weight w/ cooling unit (incl. coolant)		107.5 (111.5) kg	111.5 (115.5) kg	

Specifications	COOL 2F Cooling Unit	
Cooling Power	1 kW at 25°C ambient temperature	
Coolant Volume and Max Flow	4.5 L and 1.8 L/min	

Specifications	Fabricator Feed 304	Fabricator Feed 304w	
Drive System and Wire Feed Speed	4-wheel drive; 1.5–25 m/min	4-wheel drive; 1.5–25 m/min	
Wire Spool Capacity/Diameter	18 kg/300 mm	18 kg/300 mm	
Wire Dimensions	0.8–1.6 mm	0.8–1.6 mm	
Dimensions, L x W x H	675 x 265 x 418 mm 675 x 265 x 418 mm		
Water Cooling	_	Yes	
Weight	13.9 kg	14.2 kg	



## Fabricator EM 401i & 501i

Ordering Information					
Fabricator EM 501i with integrated cooling unit	0446400882	Fabricator EM 401i	0446400884		
Fabricator EM 401i with integrated cooling unit	0446400883				

Delivery includes power source, 5 m mains cable, wheels, 5 m return cable with clamps, shelf for gas cylinder and a guide pin for the wire feeder, instruction manual.

Options & Accessories						
Fabricator Feed 304		0446401881	Strain Relief bracket for Interconnection Cable set			0459234880
Fabricator Feed 304w	0446401882	Quick Connector Marathon Pac™			F102440880	
Wheel Kit, front wheels turn		0458707880	Counterbalance Arm			0458705880
Wheel Kit,all wheels turn		0458707881	Coolant10 I (3 gal)			0465720002
Strain Relief for Welding Torch		0457341881				
MIG Torches	3 m	3 m			5 m	
MXL 341 with Euro Connection	0700025240	0700025240		41	0700025242	
MXL 411W with Euro Connection	0700025250	0700025250		51	0700025252	
MXL 511W with Euro Connection	0700025260	0700025260		31	0700025262	



Fabricator EM 501i with integratedcooling unit and Counterbalance Arm

Fabricator complies with new European regulations for eco-friendly welding equipment, helping you save on energy costs with a power source efficiency greater than 85% and idle power below 50 W.



