

Fabricator EM 500i

Rugged & reliable welding machine



Fabricator EM 500i

Industry

- Structural Steel Fabrication
- Steel Erectors
- Industrial and General Fabrication
- Agricultural Equipment
- Repair and Maintenance
- Ship/Barge Building

Fabricator are heavy duty inverter controlled power sources for MIG/MAG and MMA (Stick) welding. Built to withstand rugged use which makes it a perfect solution for industrial usage. Ideal for heavy industries using solid and flux-cored wires together with Fabricator Feed.

- Lower cost of operation. Delivers all the added benefits of an inverter technology at a similar price as a conventional transformer machine
- Energy savings with high efficiency, high power factor and low idle power
- Optimized welding performance in MIG/MAG using both Mix or CO₂ shielding gas
- Variable inductance control for better arc performance
- Secondary end parameter setting to get perfect welding finish with crater fill activated in the 4T or 4T Repeat mode
- Wide voltage tolerance for stable welding output
- Durable, IP23S rating for outdoor and indoor use in rough environment.
- Light-weight for improved mobility and designed with crane safe lifting handles
- Application class S for operating in conditions with high electrical hazards
- Wide operational input voltage, can operate from 342 to 484 V.

Visit esab.com for more information.



Fabricator Feed 364

Fabricator EM 500i

Specifications	
Mains Voltage	342–484 V, 3ph , 50/60 Hz
Welding Output, MIG/MAG	500 A @ 60% 390 A @ 100%
Welding Output, MMA	500 A @ 60% 390 A @ 100%
Setting Range, MIG/MAG	30 A / 15.5V – 500 A / 39 V
Setting Range, MMA	30 A / 21.2V – 500 A / 40 V
Efficiency at Max Current	87 %
Power Factor Max Current	0.93
Energy Save Mode	35 W
Mains Cable Ø mm ²	4 x 6
Wire Feed Speed	2.2 – 20.0 m/min
Wire Spool Capacity	18 kg
Max Spool Diameter	300 mm
Wire Dimensions Mild Steel Stainless Steel Cored Wire	1.0 – 1.6 mm 1.0 – 1.6 mm 1.0 – 1.6 mm
Operating Temperature	-10 to +40 °C
Dimensions L x W x H	712 x 325 x 470 mm
Weight	62 kg
Enclosure Class	IP23S
Application Class	S
Insulation Class	H
Certification Mark	CCC

Ordering Information	
Fabricator EM 500i	0700020002
Fabricator Feed 364 (Enclosed) *	0700020004

* Feeder supplied as standard with feed rollers and guides for wires Ø1.2/1.6mm Solid and Ø1.2 /1.6mm Flux Cored.

Options & Accessories	
Interconnection Cables - 70mm ² , Gas-Cooled, 5.0m	0349490624
Interconnection Cables - 70mm ² , Gas-Cooled, 10.0m	0349490608
Interconnection Cables - 70mm ² , Gas-Cooled, 15.0m	0349490607
Interconnection Cables - 70mm ² , Gas-Cooled, 25.0m	0349490606

Interconnection Cables include Control cable, Welding cable, Gas hoses and Protection Sleeve.

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Options & Accessories	
PSF 315, with Euro Connection, 3m	0700025030
PSF 315, with Euro Connection, 4m	0700025031
PSF 415, with Euro Connection, 3m	0700025040
PSF 415, with Euro Connection, 4m	0700025041
PSF 415, with Euro Connection, 5m	0700025042
PSF 515, with Euro Connection, 3m	0700025050
PSF 515, with Euro Connection, 4m	0700025051
PSF 515, with Euro Connection, 5m	0700025052
Wheel Kit, power source	0465416880
Trolley - 4-wheel, 1-cylinder	0349313450



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