



# **FABRICATOR**

# FABRICATOR EM 500I



**FABRICATOR** ESAB

# FABRICATOR EM 500i



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# Rugged

Rugged Enclosure

Ergonomic Handle

Large Feet for  
Ground Clearance

IP23S  
Outdoor Use



Wide Input Voltage  
342 – 484V

Insulation Class H

Application Class S

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# Superior Performance

CC/CV

Inductance &  
Crater Control

4T Repeat



Heavy Duty  
500A@60%

Intelligent FoD  
Low No Load Power

Improved Power  
Factor & Efficiency

**FABRICATOR**

# User-Friendly

Encoder

Crater V/I

Wire Size

MIG/MAG  
MMA

In-built  
Protections



High Visibility  
Digital Display

Arc Force

Inductance

Gas Check

2T/4T/4T  
Repeat

**FABRICATOR**

# 4T Repeat



ER70S-6  
1.2mm  
Ar-CO<sub>2</sub>

Primary Setting	Secondary Setting
High Spray Arc	Low Short Arc
290A	130A
29V	17V

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# Wirefeeder - Feed 364

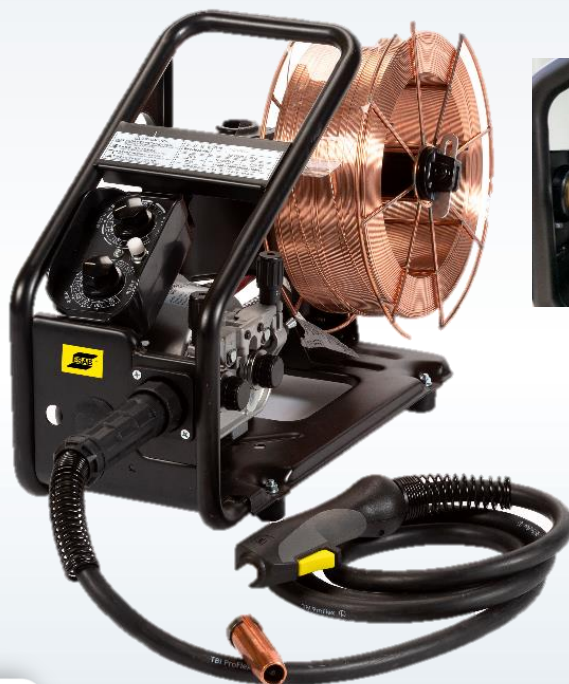
Remote Mounted

Large Knobs

Euro Connection

Weight 9kg

Inter Connection  
5/10m

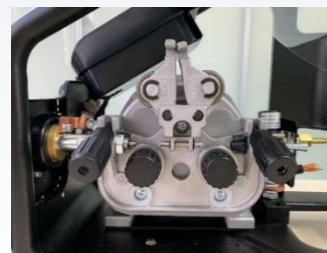


4 Roll Drive

Speed  
20m/min

0.8-1.6mm  
Wire

Spool: 18kg  
300mm



**FABRICATOR**

# Technical Specifications

Specifications	
Mains Supply, V/ Ph, HZ	<b>380 - 440( ± 10%)/3, 50/60</b>
Permitted Load 60% Duty Cycle (MIG/MMA), A	500
Permitted Load 100% Duty Cycle (MIG/MMA), A	390
Current Range (MIG/ MMA), A	30- 500
Voltage Range (MIG), V	15.5- 39
Efficiency at Max Current, %	<b>87</b>
Power Factor Max Current	<b>0.93</b>
No Load Power, W	<b>&lt; 50</b>
Dimensions L x W x H, mm	710 × 325 × 470
Weight, Kg	62
Enclosure Class	<b>IP23S</b>
Application Class	<b>S</b>
Insulation Class	H

# Application Segments

- Construction
- Heavy Fabrication
- Mobile Machinery
- Railways
- Shipbuilding



**FABRICATOR**

# Ordering Information

- Power Source: 4.5m Input Cable & 5m Earth Cable with Clamp
- Wire Feeder- Feed 364
- Inter Connection Set 5m / 10m
- Torch - PSF 505 / PSF 515 / XP 463



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# Instruction Manual



**Fabricator PRO EM400i,  
Fabricator PRO EM500i**



GB Instruction manual  
ES Instrucciones de uso

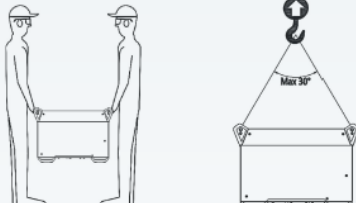
BR Manual de instruções  
CN 使用说明书

0446 404 001 20200617 Valid for: 006-xxx-xxxx

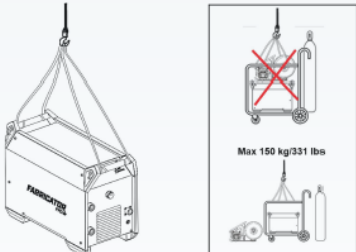
4 INSTALLATION

4.2 Lifting instructions


Max 80.3 kg/177 lbs



Max 150 kg/331 lbs

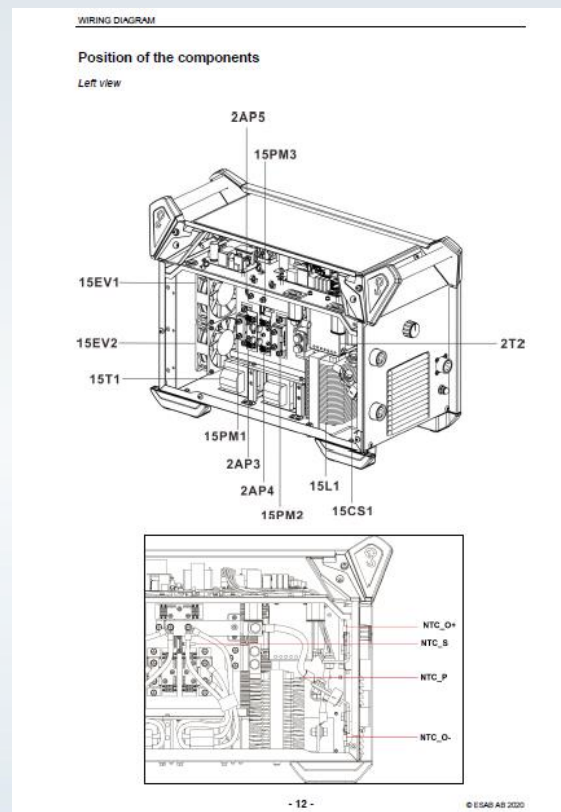


**WARNING!**  
Secure the equipment - particularly if the ground is uneven or sloping.



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# Service Manual







[esab.com](http://esab.com)

