



**Metalmeccanica s.r.l.**



ASACERT  
ISO 9001:2008  
QUALITY MANAGEMENT SYSTEM



# SOLAR CLEANER F3500 C-AP



The Solar Cleaner F3500 C-AP is the self-propelled version of our photovoltaic panels cleaning machines. It's very versatile and able to meet any need that may appear on the field.

It can be equipped with brushes up to 5 mt in length and with a high pressure multi-jet collector, stretching to a maximum reach of 6,5 mt from the edge of the machine.

We build also customized versions to accommodate your needs.



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## SOLAR CLEANER F3500 C-AP



The machine is installed on an undercarriage and it's equipped with: Perkins liquid-cooled internal combustion engine, hydraulic system based on gear pumps, proportional distributor, heat exchanger, suction and return filters, oil tank incorporated in the structure of the chassis, water tank with a 1800 litres capacity.

**24 volt electrical system with an electronic control unit that runs the various functions of the machine.**

During the cleaning process the automatic mode is managed via sensors placed on the brush body, which, acting directly on the machine's controls, guarantee a constant distance of the brush from the panels preventing any risk of damaging them.

The machine is equipped with a high pressure multi-jet collector and a system for water's pre-heating, particularly suitable for thin film panels cleaning.

### SPECIFICATIONS

<i>Dimensions</i>	mm	3250 x 1800 x 3000
<i>Engine power</i>	KW (HP)	36.9 (50)
<i>Transmission</i>		Hydraulics
<i>Max speed</i>	m/h	2400
<i>Operating capacity</i>		Both sides
<i>Unladen mass</i>	Kg	3700
<i>Gross weight</i>	Kg	5500

### WASHING SYSTEM

<i>Brush</i>	N°	1
<i>Brush diameter</i>	mm	800
<i>Max brush length</i>	mm	4320
<i>Brush rounds per minutes</i>	rpm	110
<i>Max water pump capacity</i>	lt/min	60
<i>Water tank capacity</i>	lt	1800

### BOOM

<i>Boom reach</i>	mm	6400
<i>Boom max rotation</i>	°	180

### PERFORMANCES

<i>Optimal operating speed</i>	m/h	1200
<i>KW cleaned per hour</i>	KWh	530
<i>Panels cleaned per hour</i>	N°	2400
<i>Surface cleaned per hour</i>	m <sup>2</sup>	3690
<i>Water consumption</i>	lt/h	780

