



LEADER **IN** INNOVATION



The PSC system, an acronym for Platform Stability Control, thanks to an installation of dedicated components, allows the use of the standard crane configured as an aerial work platform (in PLE mode) through a single command. A system integrated with the standard one has been created that simplifies the "in PLE mode" of lifting cranes.

PSC - PLATFORM STABILITY CONTROL

One of the reasons why loader cranes for trucks are so widely distributed on the market is that they can be used for a number of applications, not limited to lifting loads on a hook. In fact, the crane can be fitted with many different accessories, such as a platform.

This type of application, increasingly used by our clients, make the loader crane an even more attractive prospect, as it increases its profitability.

However, using the crane in platform mode requires the fitting of safety systems which refer to standards other than EN 12999 (the European regulation regarding loader cranes), in particular EN 280:2013+A1:2015 (the European standard for elevating work platforms).

For this reason, rather than allowing fitters to equip cranes with



PSC IN DETAIL

THE FASSI "FX" CONTROL UNIT



The Fassi electronic control unit has been adapted to the safety standards required by EN 280:2015.

PROXIMITY SENSOR



The installation of a second proximity sensor is required to identify the condition of outrigger rams lowered to the ground. All the crane and supplementary outriggers are predisposed to provide for this.

ENCODER



Specially dedicated wire-bonded encoders installed in the supports themselves detect the full extension of the stabiliser supports in order to protect them from tampering.

ELECTROMAGNETIC VALVE



The electromagnetic release valve for the crane distributor is monitored by a new type of safety transducer which verifies the lack of residual pressure when the electromagnetic valve is deactivated.

KEY-OPERATED SELECTOR SWITCH



The switch from CRANE mode to PLE mode takes place via a key-operated selector switch and is therefore a voluntary action.

RADIO CONTROLLER SUPPORT



The PLE is controlled by a radio controller, which is located on the platform and is powered via cable.

The radio controller's presence is monitored by verifying the connection of the power cable. An emergency button is also provided.



The PLE for standard cranes is now a reality thanks to Fassi, in full conformity with UNI EC180:2015 sector regulations.

EN 280:2013+A1:2015 safety systems, we have decided to offer a package of safety devices and controls which comply with these requirements.

Our aim is to offer the market a "made by Fassi" solution known as PSC (Platform Stability Control).

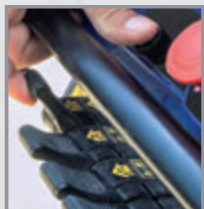
FUNCTIONING

The PSC system allows the operator to switch from CRANE mode to PLE mode via a key-operated selector switch, therefore making it a voluntary action. With the selector switch in the PLE position, reduced motion speed is activated together with the safety functions typical of the PLE mode. In order to avoid the operator accidentally using the crane in PLE mode (basket fitted and selector switch in the CRANE position), an acoustic warning (intermittent buzzer) and a visual warning ("WARNING PLE") on the radio control display and on the on-board panels of the machine advise the operator of potential danger.

For the CRANE-PLE selection to take effect, all of the levers on the distributor must be in a neutral position.

The PLE is controlled by a radio controller, which is located on the platform and is powered via cable.

PSC IN DETAIL



The PSC system is applicable to cranes fitted with a digital radio controller and FSC / H, S or SII systems.



The new Fassi PLE set-up is offered as universal for the most common types of basket on the market.

It is electrically and electronically compatible with:

- Electrical self-levelling platforms.
- Hydraulic self-levelling platforms which require oil from the crane.
- Electrical self-levelling baskets.
- Gravity baskets with incline sensors and levelling activation valve.
- Gravity baskets with incline sensors.

The platform control unit monitors inclination. It blocks operations if the platform inclination varies from the range of -10° $+10^{\circ}$.



ADVANTAGES

FIXING SYSTEM

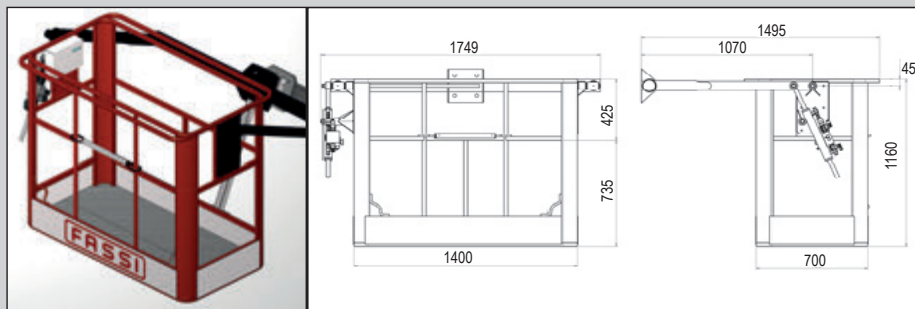


Regulation EN 280:2015 states that interchangeable platforms must be locked and interlocked on the extendible structure. This means that, as well as a pin which locks the platform to the crane, an electronic control to confirm the presence of said pin is necessary.

- Industrialisation of PLE set-ups as standard cranes, managed directly by the crane manufacturer.
- An increase in the machine's safety level thanks to the installation of components which are suitable and appropriate for safety applications.
- A reduction in fitting times for dealers/fitters.
- Electrical predisposition for almost all baskets on the market.
- Facilitated electrical connection for the basket based on the "Plug and Play" model.
- "/R" functioning (management of left/right sides) for all slew ring cranes and all rack cranes fitted with a magnetostrictive sensor

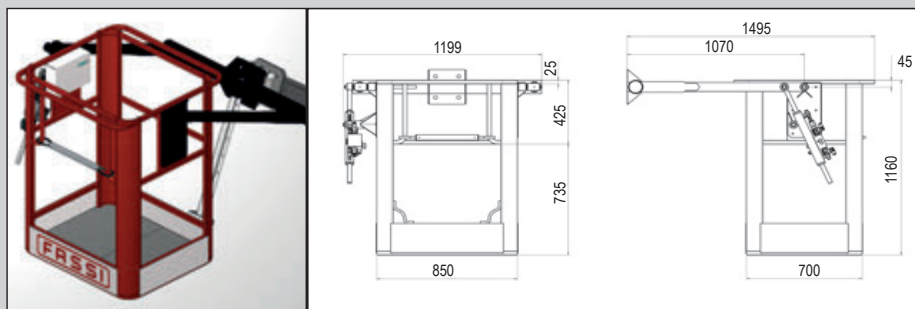
FASSI PLATFORMS AVAILABLE

2MF-CL "FASSI"



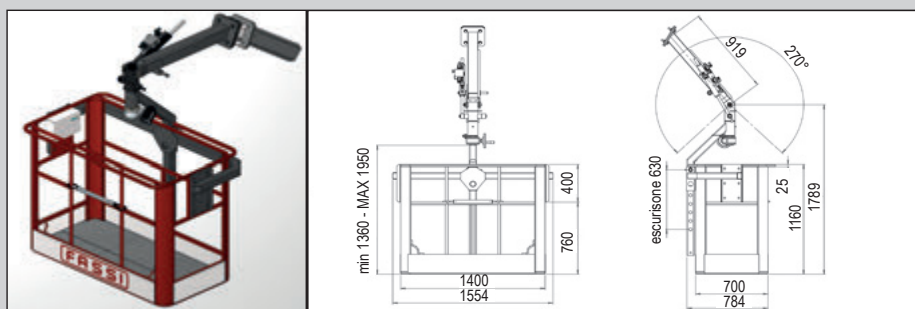
PLATFORM WEIGHT	107 kg
RAPID CONNECTION SYSTEM WEIGHT	10 kg
CAPACITY	200 kg
NUMBER OF OPERATORS	2
MATERIAL	TUBULAR STRUCTURE (PAINTED STEEL) , COLOUR: Ral3020
VOLTAGE	12V or 24V (the default version is 24V unless specified differently according to requirements upon ordering)
CURRENT	5A (12V) – 3A (24V)

1MF-CL "FASSI"



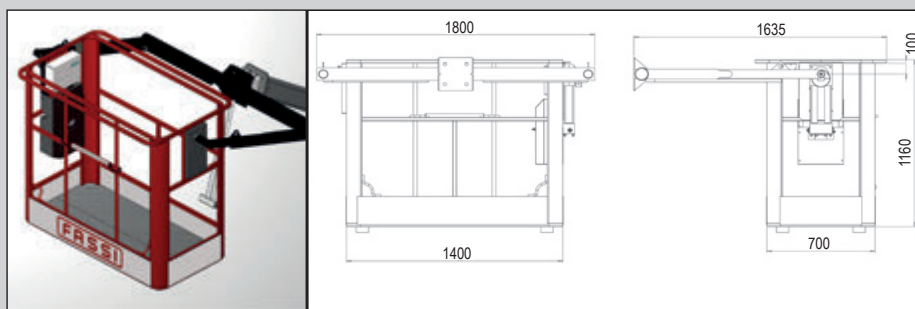
PLATFORM WEIGHT	87 kg
RAPID CONNECTION SYSTEM WEIGHT	10 kg
CAPACITY	120 kg
NUMBER OF OPERATORS	1
MATERIAL	TUBULAR STRUCTURE (PAINTED STEEL) , COLOUR : Ral3020
VOLTAGE	12V or 24V (the default version is 24V unless specified differently according to requirements upon ordering)
CURRENT	5A (12V) – 3A (24V)

2MF-RCL "FASSI"



PLATFORM WEIGHT	158 kg
RAPID CONNECTION SYSTEM WEIGHT	10 kg
CAPACITY	200 kg
NUMBER OF OPERATORS	2
MATERIAL	TUBULAR STRUCTURE (PAINTED STEEL) , COLOUR : Ral3020
VOLTAGE	12V or 24V (the default version is 24V unless specified differently according to requirements upon ordering)
CURRENT	5A (12V) – 3A (24V)

2MF-SL "FASSI"



PLATFORM WEIGHT	160 kg
RAPID CONNECTION SYSTEM WEIGHT	10 kg
CAPACITY	200 kg
NUMBER OF OPERATORS	2
MATERIAL	TUBULAR STRUCTURE (PAINTED STEEL) , COLOUR : Ral3020
VOLTAGE	24V
CURRENT	20A



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FASSI GRU S.p.A.
Via Roma, 110
24021 Albino (Bergamo) ITALY
Tel- +39 035 776400
Fax +39 035 755020
<http://www.fassi.com>
E-mail: fassigr@fassigr.com

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