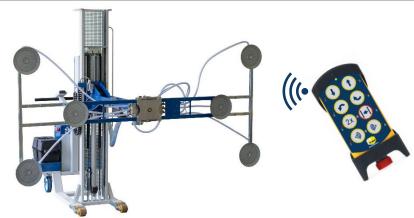
### Data Sheet



# Mobile Lifter ML-120

## Ergonomic lifting device with radio remote control

For convenient handling of large-format panels, completely without the use of your own physical strength.



#### Mobile Lifter ML-120 Technical specifications

Article number
Height adjustment range
Tilt range (vertical)
Swivel range (horizontal)
Rotation range (frontal)
Lifting and load capacity

350.100.00

up to max. 1600 mm (electromotive)

-90° ... 0 ... +90° (electromotive)

-85° / 0° / +85° (manually) positions lockable

0 ... 270° (manually) lockable in 90° steps

Panel size to be lifted max. 2,100 x 3,200 mm

Actuators 2 pcs. 24 VDC linear actuators Linak type LA 36
Front castors 4 Ø 82 mm lift carriage castors (rigid)
Rear castors 2 Ø 200 mm swivel castors with brake

Dimensions L x H x W = 2680 x 2090 x 1710 mm (dimensional drawing see ⇒ back page)

Net weight | approx. 440 kg

#### **Wireless Control Unit**

Components 1 piece radio remote control as transmitter + 1 stationary receiver with antenna Frequency band 433.075 - 434.75 MHz Operating time remote control approx. 24 hours (for continuous operation) Transmitter power supply integrated lithium-ion battery, rechargeable via fixed charging station Charging unit power supply 24 VDC from ML-120 battery unit (see below) Remote control buttons 4 function button pairs + 1 combined off/emergency stop button Receiver power supply 24 VDC from ML-120 battery unit (see below) EN 61508 SIL3 and EN ISO 13849 PLe (emergency stop function) Safety levels **Protection class** Transmitter: IP65 | Charging unit for transmitter: IP40 | Receiver: IP66

#### Vacuum Unit

Vacuum generator
Product info (pump)

Pumping speed
Sound level
Vacuum pad
Connection type

24 VDC / 500 W glanded pump

Manufacturer: Schmalz | Type: EVE-TR 8 24V-DC F

9.70 m³/h

60.5 dB(A)

6 round vacuum suction pads (Ø 210 mm), 4 of them shiftable

G1/2"-IG

Product info (vacuum pads) Manufacturer: Schmalz | Type: SPU 210 NBR-55 G1/2-IG

Vacuum generator | 24 VDC / 500 W glanded pump

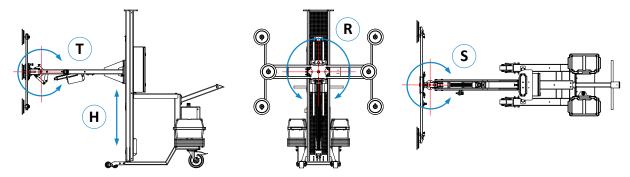
#### **Battery Unit**

Batteries 2 pieces maintenance-free 12 V lead-acid batteries (connected in series)
Product info Manufacturer: Landport | Type: EV12-110
Output voltage 24 VDC
Battery capacity 110 Ah (approx. 10 hours)
Operating temperature Charger make Manufacturer: S.P.E. | Type: CBHF2 24-30
Plug-in connector with reverse polarity protection



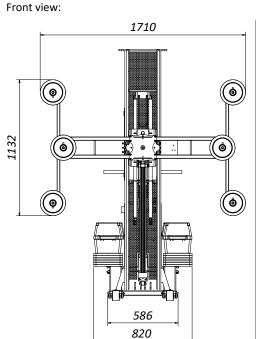
#### **Adjustment options**

To ensure that the Mobile Lifter can be used as flexibly as possible in panel handling, it has various adjustment options, which are carried out either manually or by electric motor.

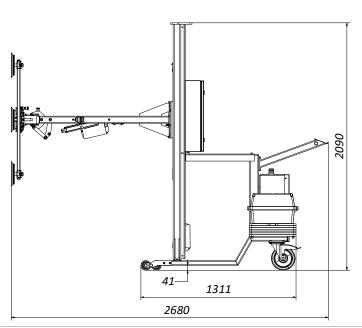


Pos.	Designation	Description	Type of adjustment
Н	Lifting height (vertical)	Height adjustment range	motorised, variable up to max. 1600 mm
T	Tilt (vertical)	Tilt range	motorised, variable -90° 0 +90°
R	Rotate (frontal)	Rotation range	manual 0 270°, lockable in 90° steps
S	Swivel (horizontal)	Swivel range	manual -85° 0° +85°, lockable in steps

#### **Dimensions**



#### Side view:



#### Requirements for the installation site

Space requirements (L x W x H)
Load bearing capacity of the base
Ground condition

approx. 2700 x 2200 x 1750 mm concrete of classification B 15 level, smooth, non-slip and tilt-free

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