Electric mover Puscher

Robik Q130/R

6 Kw Power – Differential steering

Patented pending

SATES
Electric Handling

Data Sheet

General Features	
Model Name	Robik Q130/R - Radio Power
Manufacturer	SATES di Salvò Luca - SATES Electric Handling
Description	Electric mover, tow and pusher
Power supply	Electric 48 V cc
Plant tension	48 V
Nominal power	6 kW
CE certification	✓
CE marking on rear left-hand side	
Frame characteristics	
Frame made of	Steel
Frame treatment	Polyester powder coating
Carter	Steel, painted with epoxy powder
Special Treatment	Cataphoresis (on customer demand only)
Special Carter	stainless steel 316 (on customer demand only)
Colour	Anthracite grey and orange
Safety data	
Operator is distant from the area affected by operations	Radio control
Light signalling of movement	✓
Disengagement device on machine	Emergency button
Power supply disconnection device/ Emergency stop	Radio control
Acoustinc signaling Cicalino	Beeper
Electro-magnetic safety brake	2 brakes (14N x 2 = 28 N braking power)
Drive controls	Mainteined action switch
Handarm vibration	Absent
Noise level at operator's ear (movement buzzer)	dB < 45
Wheel covers (moves foot)	2 (on customer demand only)
Performances	
Max. forward speed	4 km/h
Max. backward speed	4 km/h
Vertical lifting on flat ground	Max +/- 12.000 kg
Lift capacity on flat ground* (with vertical load min 500 kg)	+/- 1.600 kg 15.690 (N)
Towing capacity on flat ground ** (with vertical load min 500 kg)	+/- 1100 kg 10.787 (N) about 20-40 tons
Max. slope with reduced load	15 % (8,5°)
Stopping distance in deceleration (without load) with adequate grip	300mm
THEORETICAL PERFORMANCE: Average towable weight 30/40 tons with trailer to tow with 2/4 wheels max and medium-low friction coefficients. Average towable weight 70 tons with trailer to tow with 2/4 wheels max and low friction coefficients (example: iron wheels).	
* Load capacity is subject to kind of slope, kind of floor and operating time	
**While the force expressed in N at the lifting plate remains unchanged, the towing capacity in tons can vary substantially from the nominal value reported here, depending on the type of soil on which the towing is carried out, on the type, number and condition of wheels fitted to the trailer, on the presence of any gradients and friction present and generated in the system	
Back ballast (on customer demand only)	Total kit weight 201 Kg (kit= n°11 plate each of 17,5 kg)
Lifting	
Electro-hydraulic pump	1
Voltage	24 Volt CC
Tank capacity	5 L
Type of oil	Shell Telus 46/Mobil/dte25
Operating temperature	-10°/40°C
% umidity	max 80%
Hydraulic cylinder (special custom made)	1
Drive control	
Driving type	Radio remote controlled
Forward/Reverse control	Joystick
Speed adjustment	Joystick
Steering	Joystick
Lifting	Joystick
Emergency stop	On console
Start	Connection to the unit
Rear steering	36 V
Steering angle	75°

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Battery specifications	
Batteries	n°4
Battery Type Abt Power Cycle Free Maintenance	Traction – Dry Deep Cycle
Battery voltage	48 V
Weight of each battery	About 45-62 Kg
Average autonomy per continuous service	4-5 h*
* This value may change depending on the specific use for which Robik is intended, on the friction during the handling phase, on the number and frequency of manoeuvres, on the surface where the manoeuvre is made and the gradients present. For all these reasons to have a more precise data on the autonomy of Robik, the potential user must provide as much information as possible about the environment and on the type of use to which Robik will be subject, on the trolley to be moved and on any instruments to be used. This information is also needed to assess alternative types of storage.	
Technical data charger High Efficiency Low consumption	
Battery charger	External – high frequency
Input voltage	230 V
Input frequency	50-60 Hz
Charger time	+/- 8 h
Battery charger capacity	+/- 25 Ah
Power consumption during complete charge cycle	Max 5 kWh
Operating temperature	-20°/+45°
Operation display	Led
Input fuse	16 A
Cooling system	Ventilation cooling
IP degrees of protection	IP 66
Width	180 mm
Length	290 mm
Height	85 mm
Technical data motor	
Motor	N°2 electric motors
Electricity	DC
Engine Voltage	48 V
Power supply	3 kW
Maximum peak power	-------- kW
Service electro magnetic brake	n°2 (14 N x 2= 28 N total brake power)
IP degrees of protection	IP 54
Transmission system	Mechanical
Transmission lubrification	In oil bath
Dimensions (see technical drawing)	
Length	1950 mm
Width	769 mm
MIN Height Loading Platform	290 mm
MAX Height Loading Platform	686 mm
Wheelbase	718 mm
Weight	840 kg
Standard wheels	
Hub + sprocket	n°2 steel c45
Drive wheels Cuscion Technic Material Shore A 95 High Flow	1 twin wheels 5000 kg
Pivoting wheels Technic Material Shore A 92 High Flow	1 twin wheels 4000 kg
Dimensions drive wheels	250/50 x 2 twin
Dimension steering wheel	200/80 x 2 twin
Optional wheels	
Drive wheels super elastic	On customer demand only
Pivoting wheels super elastic	On customer demand only

PLEASE NOTE the reported data may change over time, variants can also be inserted to increase performance or otherwise improve Robik

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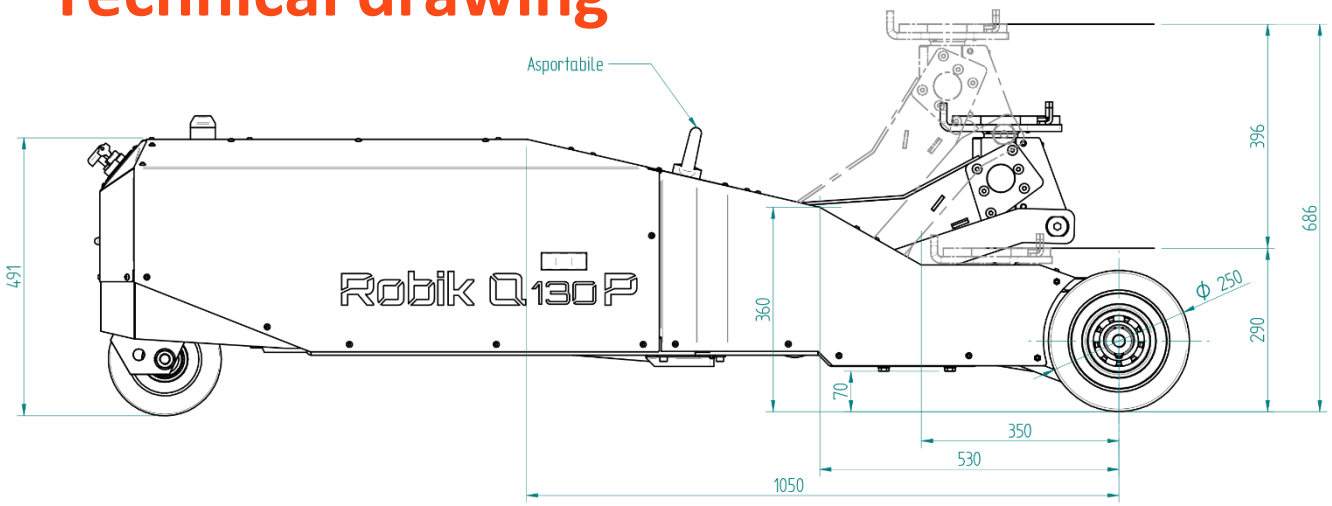
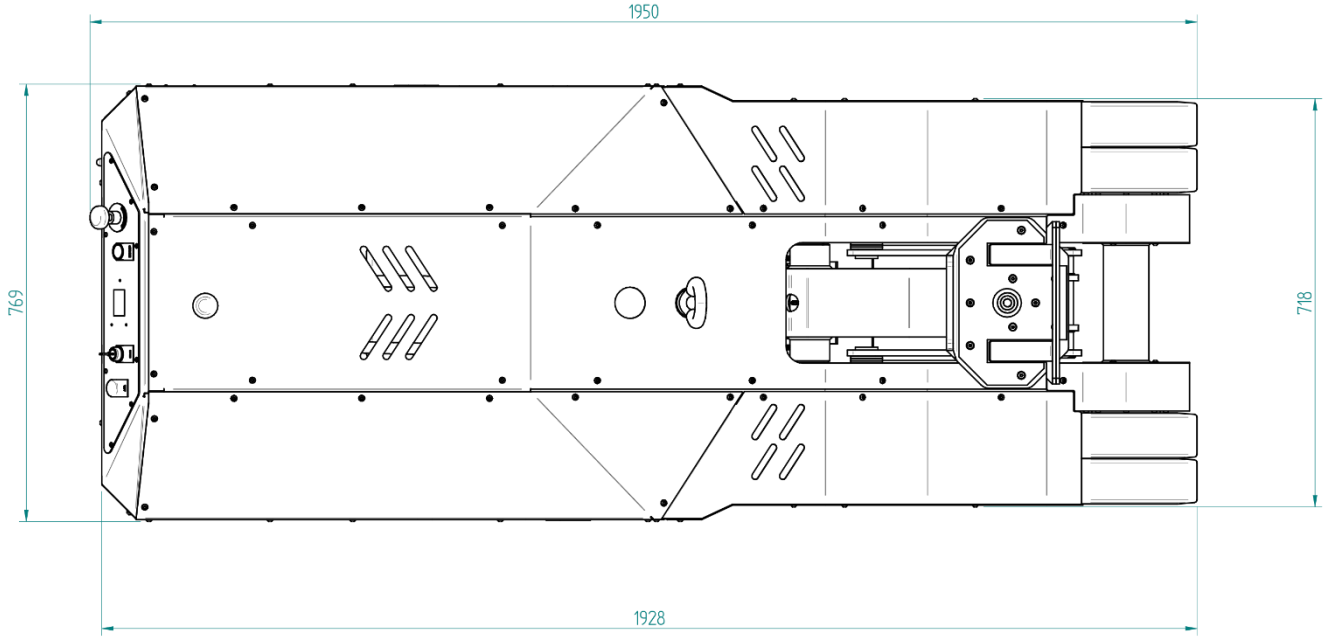
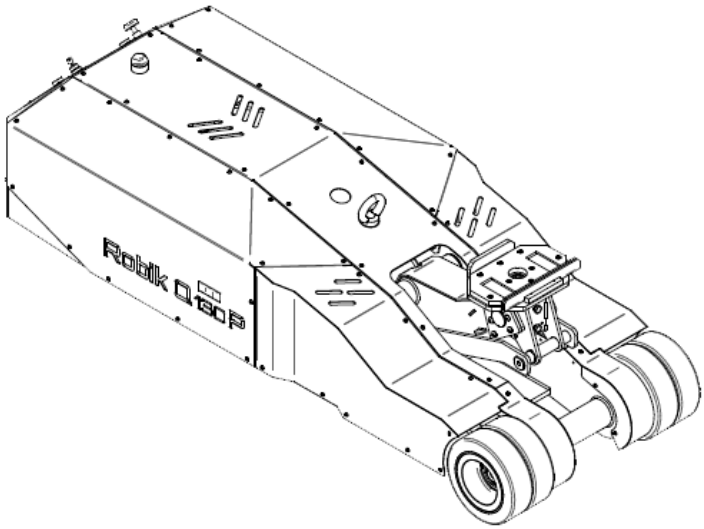
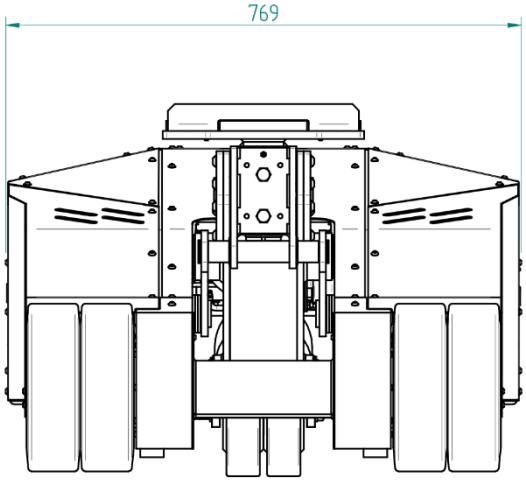
Technical drawing









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