



# Electric mover

## Robik *CRAWLER M*

Radio Control



Patented pending

SATES  
Robik

# Data Sheet

## General Features

Model Name	Robik Crawler M - Radio Control
Manufacturer	SATES di Salvò Luca
Description	Tracked electric transporter towing handler
Power supply	Battery operated 48 Vdc
Voltage System	48 V
Nominal power	2KW
CE certification	On left side

## Frame characteristics

Frame made of	Steel
Frame treatment	Epoxy powder coated steel
Special Treatment (only on request)	Cataphoresis + painting
Special Carter (on customer demand only)	stainless steel 316
Colour	Green (Ral 6018) - Grey (Ral 7016) - Black

## Safety data

Operator is distant from the area affected by operations	Radio Control Professional
Light signalling of movement	Flashing light
Acoustinc signaling	Buzzer
Disengagement device on machine	Emergency button
Power supply disconnection device/ Emergency stop	On Radio control
Electro-magnetic parking braking	2 brakes
Drive controls	Maintained action switch
Handarm vibration	Absent
Noise level at operator's ear (Beeper)	+/- dB < 45

## Performances

Max. forward speed	1-2-3 km/h
Max. backward speed	1-2-3 km/h
Capacity above the plane of machine max	300 kg
Thrust/tow capacity on flat*(no load above platform) on industrial smooth surface without slope	
220 kg ~ 2.157 N	
Flat thrust/tow capacity*(with 200 - 300 kg load above platform), on industrial smooth surface without slope	
450 kg ~ 4.113 N	
Maximum gradient surmountable with 10 times reduction in weight and load to be handled	15 %
Stopping distance in deceleration (without load) with adequate grip	150mm

### THEORETICAL PERFORMANCE:

Average towable weight 10/15 tons with trailer to tow with 2/4 wheels max and medium-low friction coefficients.  
Average towable weight 25/35 tons with trailer to tow with 2/4 wheels max and low friction coefficients (example: iron wheels).

\* The transportable weight is determined on the basis of slope, surface and continuity of work

\*\* The towing capacity in Nm-Kg may vary substantially from the nominal value here expressed according to the type of soil on which towing is carried out, the type, the number and condition of wheels fitted to the trailer, the presence of gradients, climbs, the overall frictions and other factors present and generated in the system.

Towing Hook Certificate	DE 70 (KN 23)
Load on hook max	350 kg
Machine weight distribution on surface per kg/cm2	~ 1,2 kg/cm2

## 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

## Battery specifications

Batteries	n°4
Battery Type Abt Power Cycle Free Maintenance	Traction – Dry Deep Cycle
Battery voltage	12 V
Nominal capacity c20/h	n°4 batteries each of 12 V - 100 Ah

**OPTION** Lithium System (Accumulator + battery charger + charge status indicator) TO REQUEST at the time of the production order

### 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	+/- 15 Ah
Power consumption during complete charge cycle	Max 5 kWh
Operating temperature	-20°
Operation display	Led
Input fuse	15 A
Cooling system	Ventilated
IP degrees of protection	IP 66

### Technical data motor

Motor (with reducer)	2 electric motors
Engine Voltage	Vdc
Voltage	48V
Electromagnetic service brake	n°2
IP degrees of protection	IP 60
Transmission system	Mechanical

### Dimensions (see technical drawing)

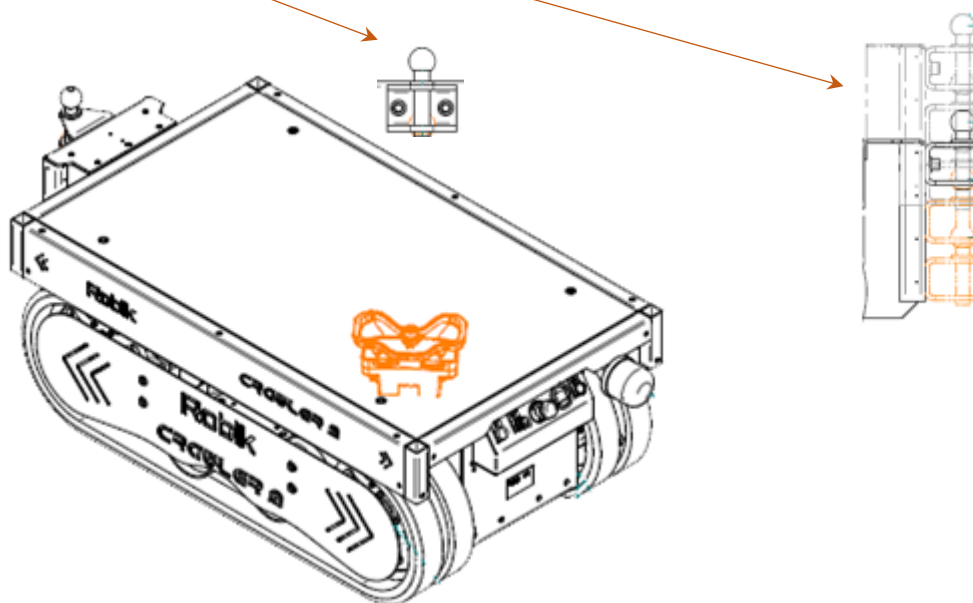
Length	1328 mm
Width	798 mm
MIN Height Loading Platform	491 mm
Turning circle (against steering only for specific requests)	360°
Weight	515 kg

### Rubberised- Machine with tracks

High quality track	Internal mesh of iron
Industrial rubber track	
Rubber track - Industrial Anti - track (only on request)	
Kit wheels 4 additional pinions tractor-other external to the track (only on request and only for	

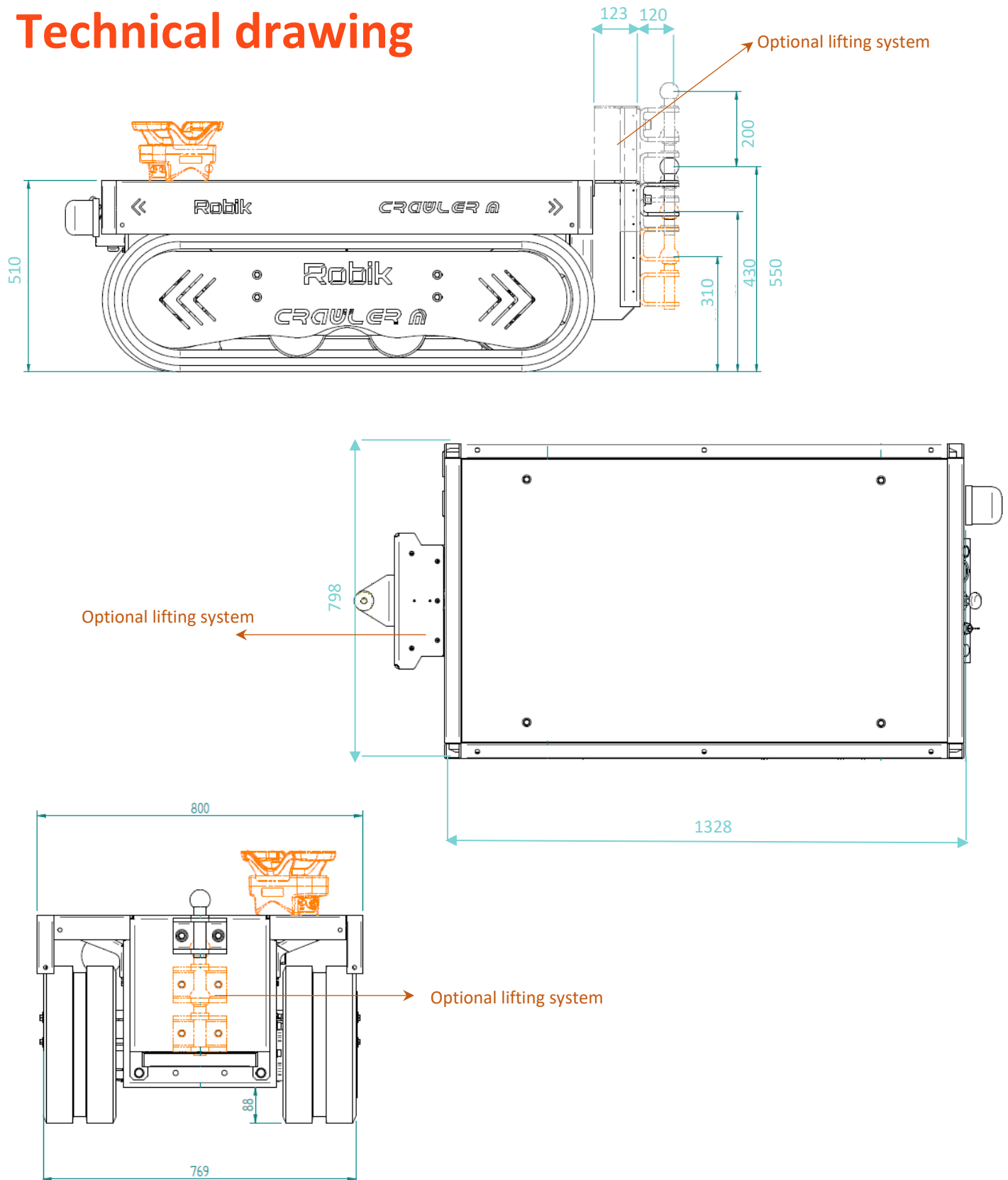
### accessories and kits

Counterweight kit ballast set 12 slabs (1 slab 25 kg) total 300 kg
Professional winch kit 24 V 2200 Kg Towing
Positioner/vertical lift kit max 350 kg lift
Hook Kit/ Plug Bracket



PLEASE NOTE the reported data may change over time, variants can also be inserted to increase performance or otherwise improve Robik. Last updated 23/02/2024

# Technical drawing



**SATES**  
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