Electric mover

Robik CRAWLER 6x6

Radio Control

Patented pending

SATES Robik

Data Sheet

General Features	
Model Name	Robik Crawler 6x6 - Radio Control
Manufacturer	SATES di Salvò Luca
Description	Electro mover towing transporter
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	Orange and 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	N° 2 brakes
Drive controls	Mainteined action switch
Handarm vibration	Absent
Noise level at operator's ear (Beeper)	+/- dB < 45
Performances	
Max. forward speed	1-2-3,5 km/h
Max. backward speed	1-2-3,5 km/h
Capacity above the plane of machine max	350 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 450kg ~ 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 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)
Max Load on hook ball	350 kg
Machine weight distribution on surface per kg/cm^2	~ 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 central
Battery specifications	
Batteries	n°4
Battery Type Abt Power Cycle Free Maintenance	Traction - Hermetic 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

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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	Chain
Dimensions (see technical drawing)	
Length	1360 mm
Width	940 mm
Min Height Loading Platform	530 mm
Diameter of the empty steering	360°
Weight	430 kg

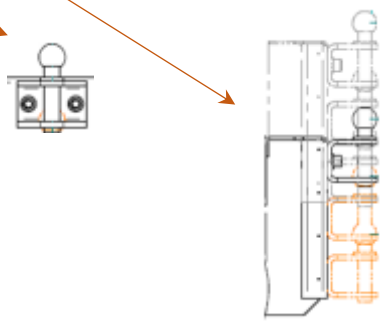
Tires – Machine with wheels

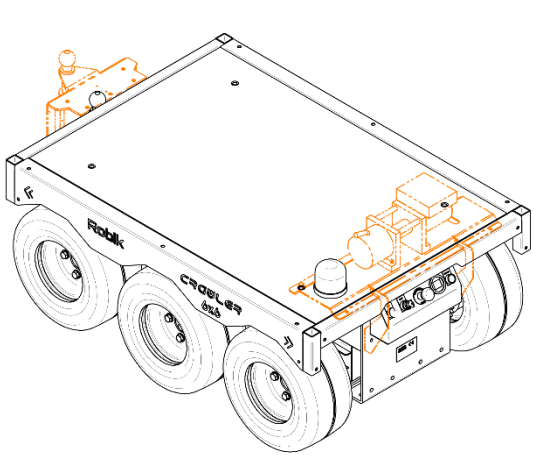
OPTION A:
MT 16x6.5 – 8'' wheel set
Ø 412x170 with circle

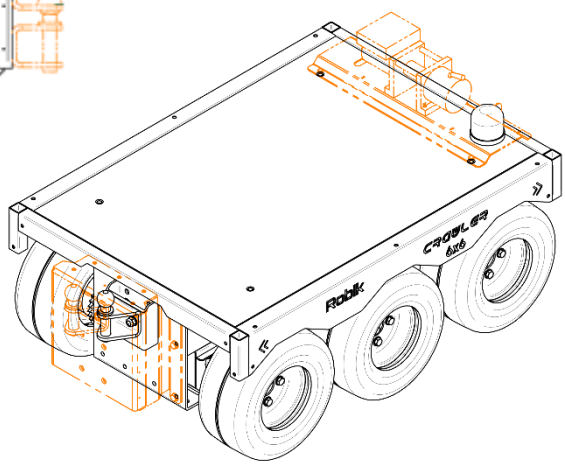
OPTION B:
TMS 16x6.5 – 8'' wheel set
Ø 407x174 with circle

Accessories and kits

Counterweight kit ballast set n°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

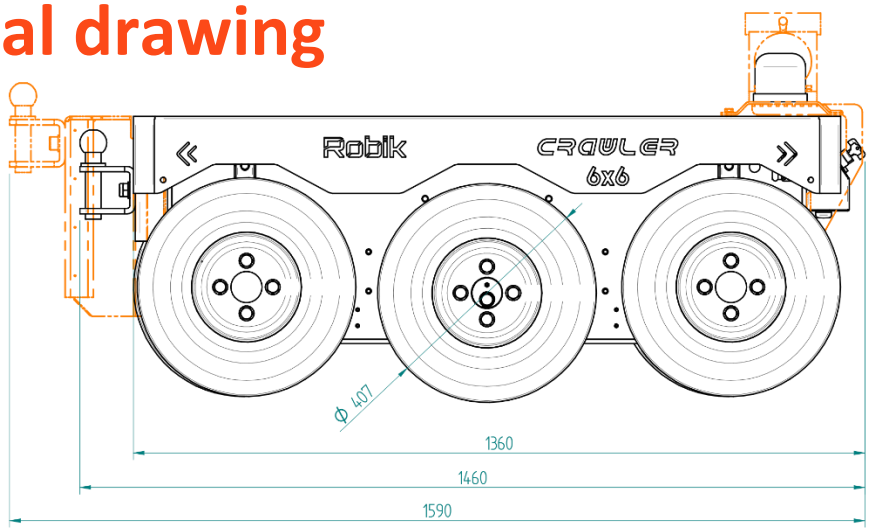


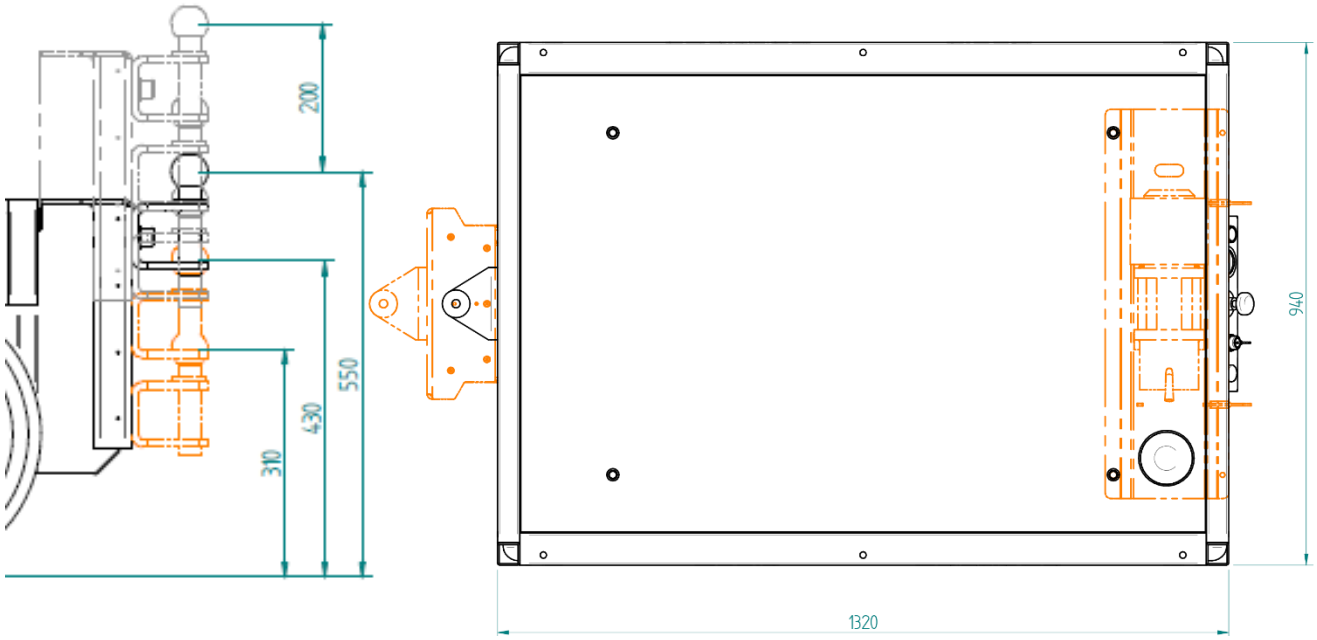


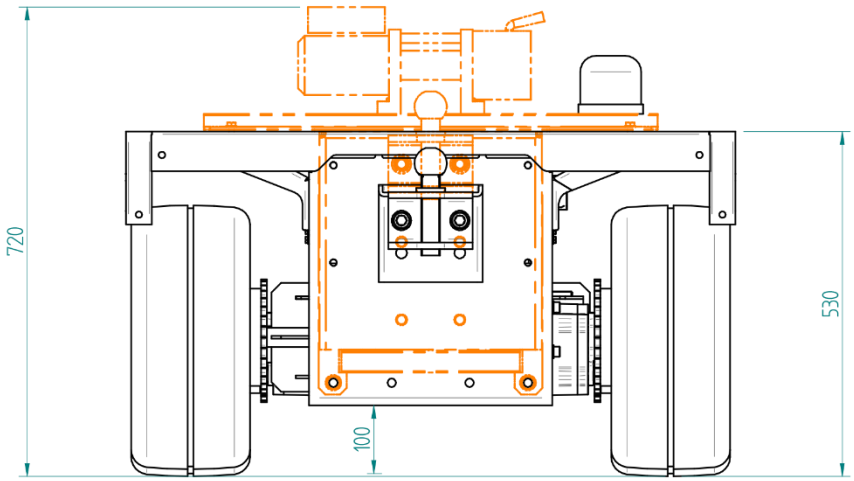


PLEASE NOTE the reported data may change over time, variants can also be inserted to increase performance or otherwise improve Robik. Last updated 23/02/2024

Technical drawing







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