



Electric Tug

Robik *LIZARD Q*

Radio Control



Patented pending

SATES
Robik

Data Sheet

General Features

Model Name	Robik Lizard Q – Radio Control
Manufacturer	Sates di Salvò Luca
Description	Electro tracked tug, tower, transporter and platform
Power supply	Battery operated 24V cc
Voltage System	24 V
Nominal Power	1360 W
CE certification	Rear left side

Frame characteristics

Frame made of	Steel
Frame treatment (default)	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 Keyboard
Light signalling of movement (upon request)	Flashing light
Acoustinc signaling	Buzzer
Disengagement device on machine	Emergency button
Electro-magnetic parking braking	N°2 brakes
Drive controls	Radio controlled to action maintained
Handarm vibration	Absent
Noise level at operator's ear (Beeper)	+/- dB < 45

Performances

Max forward speed	1-2-3-4 km/h
Max backward speed	1-2-3-4 km/h
Max capacity above the plane of machine	250 Kg
Thrust/tow capacity on flat *(with 250kg load above platform) on industrial smooth surface without slope 300 kg ~ 3000 N (average towed weight: 3000-4000 Kg industrial trolley)	
Maximum gradient surmountable with 10 times reduction in weight and load to be handled	15%
Stopping distance in deceleration (without load) with adequate grip	150 mm

THEORETICAL PERFORMANCE:

Peso Trainabile medio 3-4 ton con carrellato da trainare con 2/4 ruote max e coefficienti di attrito medio-bassi.
(esempio: ruote di ferro).

*The towable weight is determined by the slope, the surface and the continuity of the work. The towing capacity expressed in Nm-Kg may vary substantially from the nominal value expressed here according to the type of terrain on which the towing is carried out, the type of number and condition of the wheels mounted on the trailer, in the presence of slopes, climbs, from the total frictions and other factors present and generated in the system.

Towbar Ball/Pin + Ball	Upon request
Load over ball with lifting arm	150 kg

Drive control

Driving type	Radio remote controlled
Forward/Reverse control	Through keyboard
Speed adjustment	Through keyboard
Steering	Through keyboard
Lifting	Through keyboard
Emergency stop	Stop on console
Start	Connection to the internal control panel

Battery specifications

Batteries	n°2
Tipo batterie Abt Power Cycle Free Maintenance	Traction – Dry Deep Cycle
Battery Type Abt Power Cycle Free Maintenance	12 V
Nominal capacity c20/h	n°2 batteries each of 12 V – 90 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 (off Board)
Input voltage	230 V
Input frequency	50-60 Hz

Charger time	+/- 8 h
Battery charger capacity	+/- 15 Ah
Power consumption during complete a charge cycle	Max 2,6 kWh
Operating temperature	-20°+ 45°
Input fuse	15A
Cooling system	Ventilated
IP degrees of protection	IP66

Technical data motor

Motor (with reducer)	2 electric motors
Engine Voltage	24 V
Electromagnetic service brake	n°2
IP degrees of protection	IP 60
Transmission system	Mechanical

Dimensions (see technical drawing)

Length (with lifting arm)	~1040 mm
Width	~740 mm
MIN Height Loading Platform	From 296 mm to 533 mm
Unladen turning diameter (against steering only for specific requests)	360°
Weight	190 kg

Rubber coating – model Robik Lizard Q

Super elastic rubberized wheels

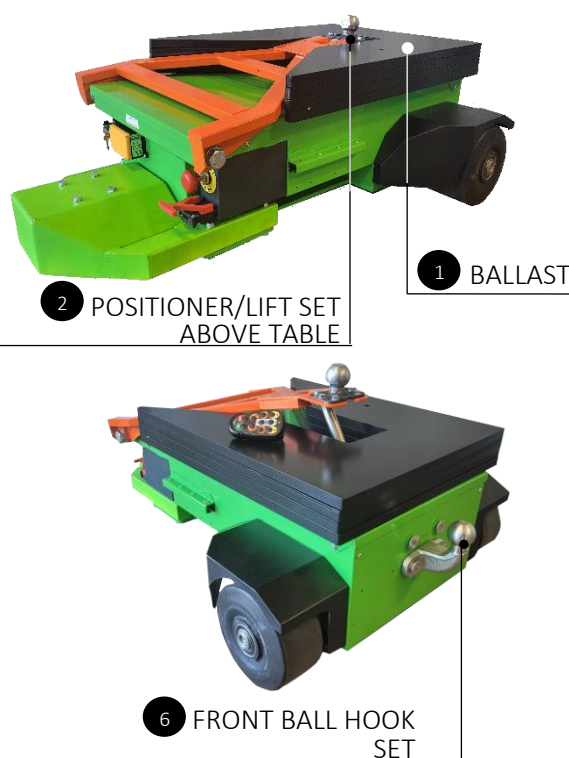
Accessories/Kits (see technical drawings)

- ① SET of ballast counterweights n°2/3 plates (1 plate 36 kg)
- ②- SET positioner/lifting above the floor max 150 kg (lifting offset from the vertical and electronic drive)
- ③- SET Front positioner/lifting SET max 150 Kg
- ④- SET Shaft/central pin above table
- ⑤- SET Shaft/central pin above table
- ⑥- SET Front ball hook

STANDARD configuration

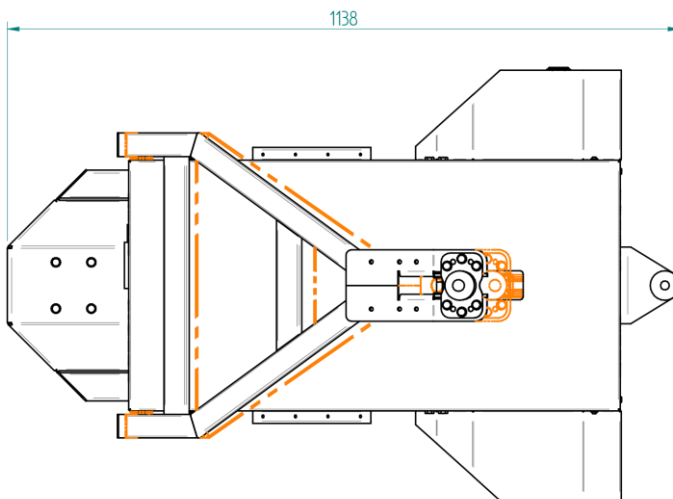
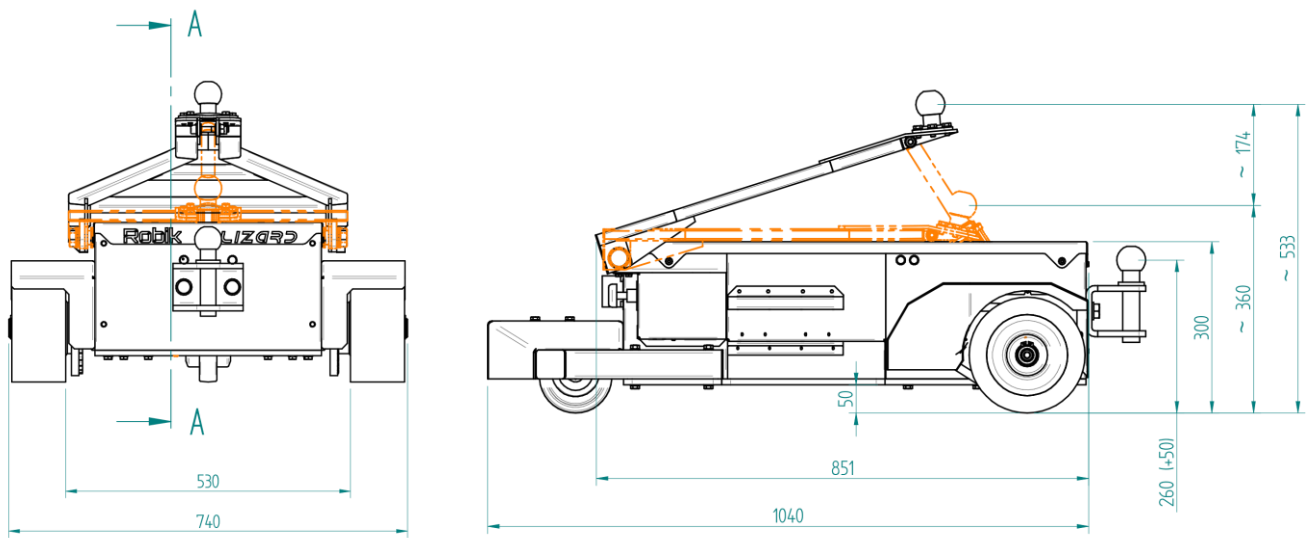


Some configurations WITH ACCESSORIES

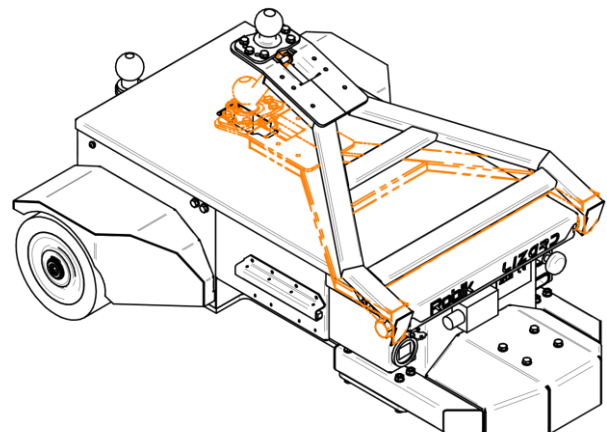
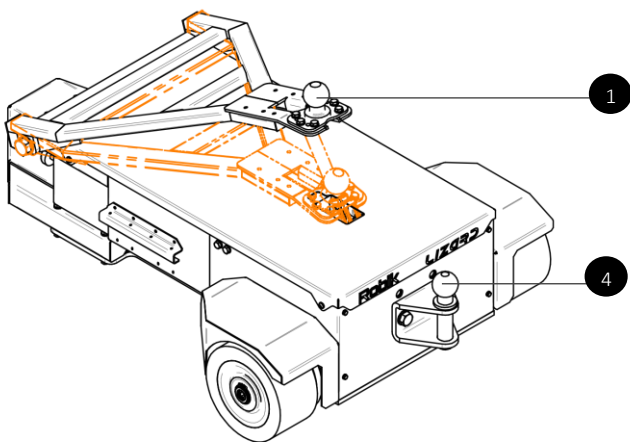


Technical design

Configuration WITH POSITIONER/LIFT ON THE PLATFORM

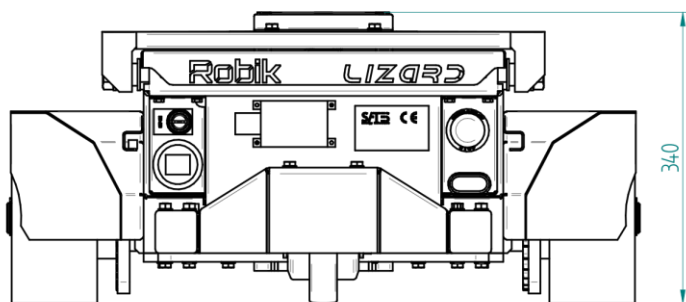
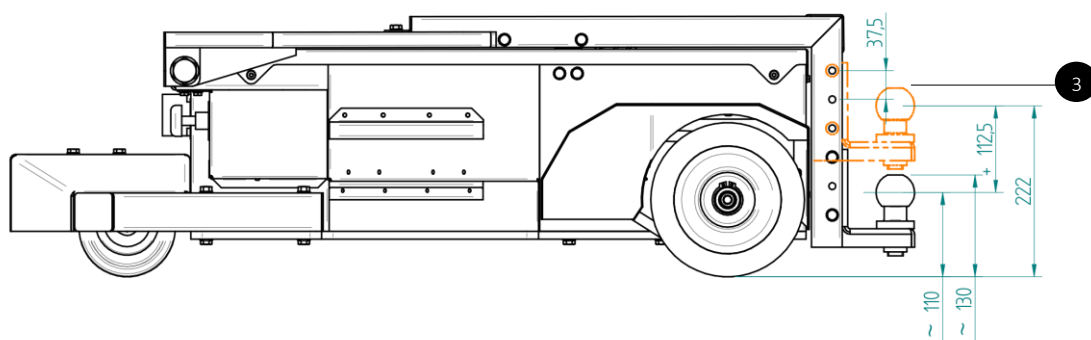
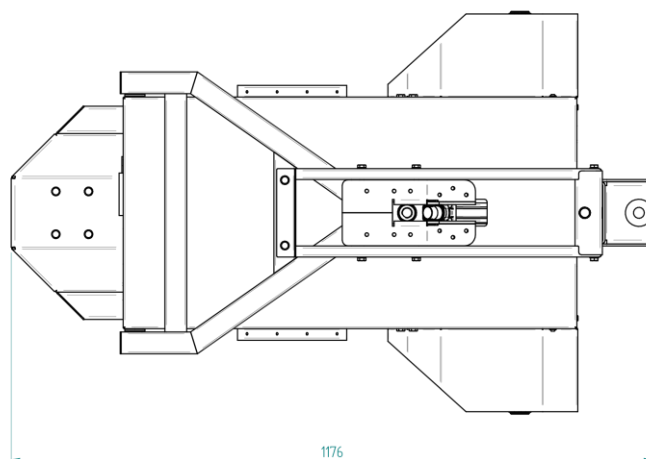
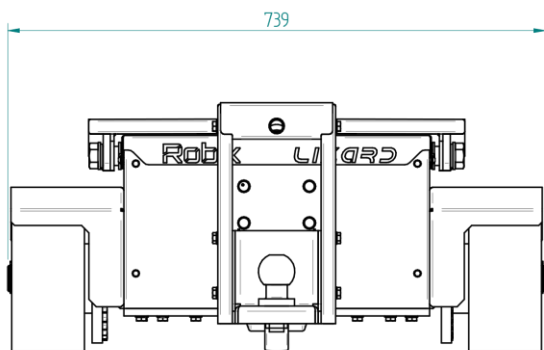


- 1 Above-table positioner/lifting SET
- 4 SET hook/plug + front bracket

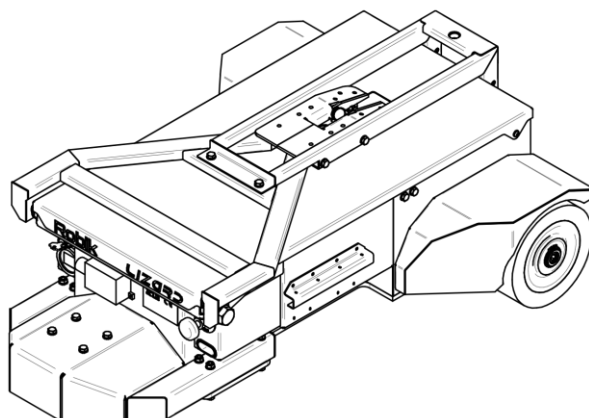
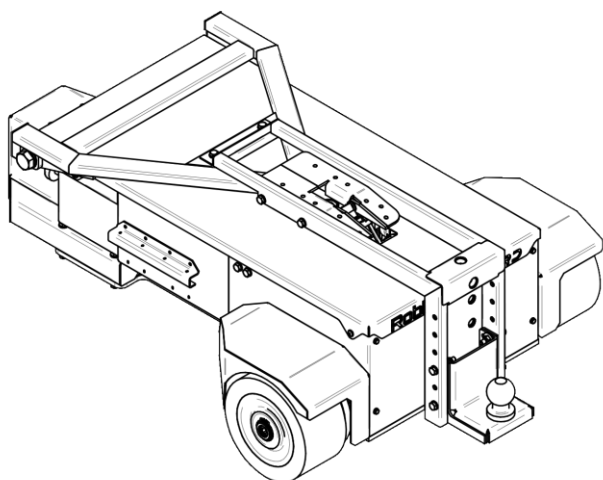


PLEASE NOTE: the data reported may change over time

Configuration WITH FRONT POSITIONER/LIFT

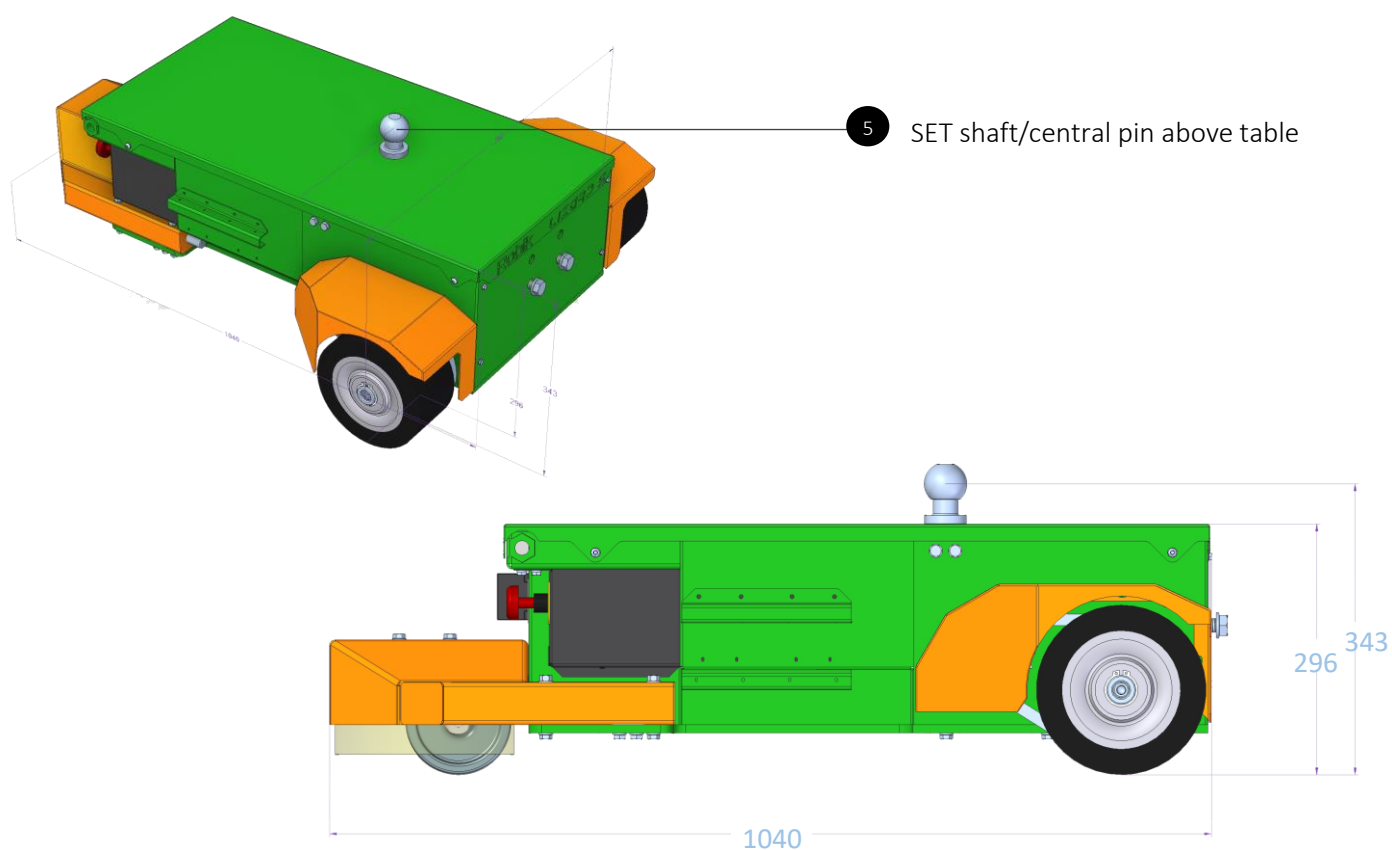


3 Front positioner/lifting SET

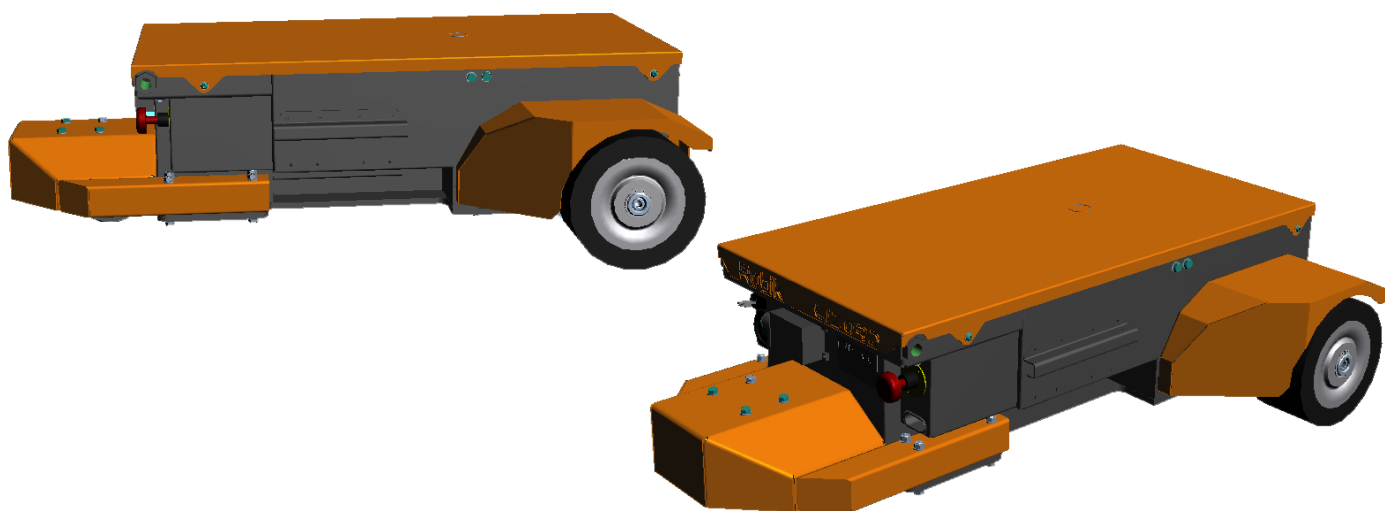


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Configuration WITH HOOK ON THE FLOOR



STANDARD configuration WITHOUT ACCESSORIES



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Sates di Salvò Luca

SATES Electric Handling Division

Via dell'Artigianato, 36 - 35020 Casalserugo (PD) - ITALY

TEL. +39 049 643487 - SDI M5UXCR1

www.robik.it - supporto@robik.it