Electric Tug

Robik LIZARD S

Radio Control

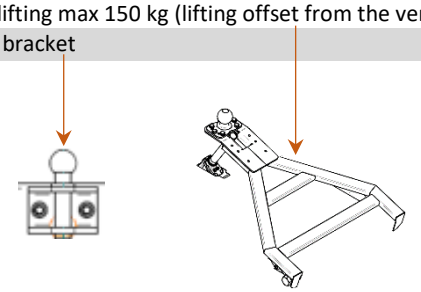
Patented pending

SATES
Electric Handling

Data Sheet

General Features	
Model Name	Robik Lizard S - Radio Control
Manufacturer	SATES di Salvò Luca – Division SATES Electric Handling
Description	Electro tracked tug, tower, transporter and platform
Power supply	Battery operated 24 Vdc
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	Green (Ral 6018) - Grey (Ral 7016) - Orange
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	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 km/h
Max backward speed	1-2-3 km/h
Max capacity above the plane of machine	250 kg
Thrust/tow capacity on flat*(no load above platform) on industrial smooth surface without slope 150 kg ~ 1.471N (average towed weight: 3.500 kg industrial trolley)	
Flat thrust/tow capacity*(with 250kg load above platform), on industrial smooth surface without slope 360 kg ~ 3.530 N (average towed weight: industrial trolley 6.000 Kg)	
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 4 tons with trailer to tow with 2/4 wheels max and medium-low friction coefficients. Average towable weight 8 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.	
Towbar Ball/Pin + Ball	Upon request
Load over ball with lifting arm	150 kg
Machine weight distribution on surface per kg/cm^2	~ 0,65 kg/cm^2
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
Battery Type Abt Power Cycle Free Maintenance	Traction – Dry Deep Cycle
Battery voltage	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
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 2,6 kWh
Operating temperature	-20°+ 45°
Input fuse	15 A
Cooling system	Ventilated
IP degrees of protection	IP 66
Technical data motor	
Motor (with reducer)	2 electric motors
Engine Voltage	24 Vdc
Electromagnetic service brake	n°2
IP degrees of protection	IP 60
Transmission system	Mechanical
Dimensions (see technical drawing)	
Length (with lifting arm)	870 mm
Width	798 mm
MIN Height Loading Platform	Da 380 mm a 555 mm
Turning circle (against steering only for specific requests)	360°
Weight	190 kg
Rubberised- Machine with tracks	
High quality rubber crawler for professional use	Internal mesh of iron
Accessories and kits	
SET of ballast counterweights n°2 plates (1 plate 36 kg) total 72 kg	
SET Additional battery expansion	
SET positioner/lifting max 150 kg (lifting offset from the vertical and electronic drive)	
SET Hook/Pin + bracket	



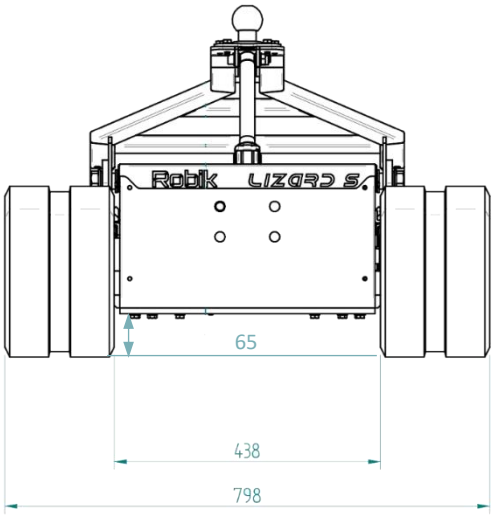
WITHOUT ACCESSORIES

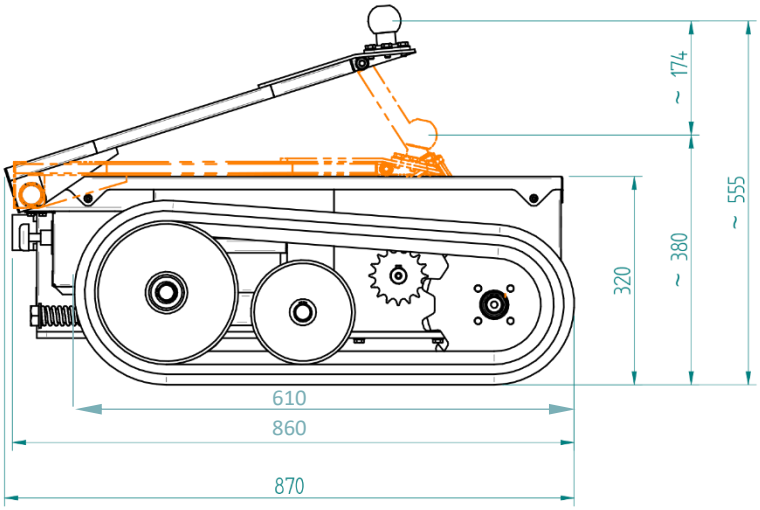
WITH ACCESSORIES

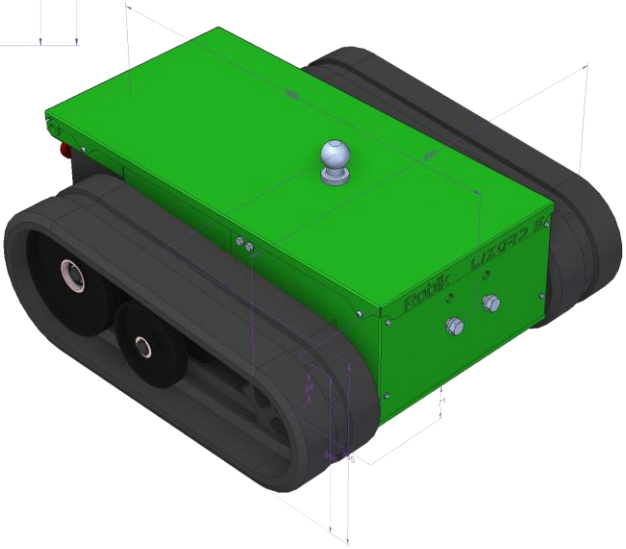
PLEASE NOTE the reported data may change over time, variants can also be inserted to increase performance or otherwise improve the machine

SATES
Electric Handling

Technical drawing







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