



**Electric crawler
electric load platform, electric tug**

Robik XTRACK

Radio Remote Control

SATES
Robik^{Srl}

Technical Data Sheet

Last update: 09/03/2026

General Specifications

Product Name	Robik X TRACK
Manufacturer	SATES & ROBIK S.R.L.
Description	Electric mover, electric tug, tracked transporter and electric load platform
Power supply	Battery powered
System Voltage	48 V
Peak power of the two electric motors)	12 kW
CE Marking	Rear left side
Ingress Protection (IP) Rating	IP57

Frame Specifications

Frame	Steel
Frame surface treatment (standard)	Epoxy powder coating
Special surface treatment (on request)	Cataphoresis coating + painting
Stainless steel (on request)	Stainless Steel n° 316
Colour	Black (RAL 9005) and Orange (RAL 2004)

Safety Features

Operator positioned at a safe distance from the operating area	Professional radio remote control
Visual movement indicator	Flashing warning lights
Audible warning device when the machine is moving	Buzzer
Emergency stop device	Emergency stop button on the radio remote control
Electromagnetic safety brake	n°2 brakes
Drive controls	Hold-to-run controls
Hand-arm vibration transmitted to the operator	None
Noise level at operator's ear	± dB < 45

Performance Specifications

Maximum forward speed	0.1 – 3.8 km/h
Maximum reverse speed	0.1 – 3.8 km/h
Maximum load capacity on platform	1200 kg
Push / towing capacity on flat ground* (<i>without load on the platform</i>) on clean, smooth industrial surface without slope	± 500 kg ~ 4.903 N
Push / towing capacity on flat ground* (<i>with 200–300 kg load on the platform</i>) on clean, smooth industrial surface without slope	± 650 kg ~ 6.374 N
Maximum negotiable gradient (<i>with load reduced to one tenth of the total weight to be moved</i>)	
Maximum lateral slope without load	See technical drawing
Maximum longitudinal slope without load	See technical drawing
Stopping distance during deceleration (<i>without load</i>)	150 mm

THEORETICAL VALUES:

Towable load: from 10 tons up to over 20 tons, under optimal system efficiency conditions, when towing carts equipped with 2 to 4 wheels maximum and low friction coefficients (e.g. steel wheels on flat surfaces).

* The transportable load depends on the slope, the type of surface and the continuity of operation.

** The towing capacity expressed in Nm–kg may vary significantly from the nominal value stated here depending on several factors, including: the type of surface on which towing is performed, the **type, number and condition** of the **wheels installed** on the trailer, the presence of slopes or inclines, overall friction, and other factors affecting the system.

Maximum load on hitch	350 kg
Standard machine ground pressure	~1.2 kg/cm ²

Control System

Control type	Radio remote control
Travel control	By remote control
Speed adjustment	By remote control
Steering control	By remote control
Lifting control	By remote control
Emergency stop	Stop button on the remote control
Start-up	Connection to the control unit
Remote control frequency	2.4 GHz

Battery Specifications

Number of batteries	4
Battery Type: Abt Power Cycle Free Maintenance	Traction – Sealed Deep Cycle
Voltage per battery	12 V
Nominal capacity (C20 rate)	4 batteries, each 12 V - 100 Ah

PLEASE NOTE the specifications indicated may change over time in order to improve Robik's performance

OPTION 51,2 V Lithium battery system – 120 Ah capacity (including battery pack, state-of-charge indicator and IP66 external high-frequency battery charger; charging time 2–3 hours) TO BE REQUESTED AT THE PRODUCTION ORDER STAGE.

HF Battery Charger Technical Specifications

Charger type	External, high-frequency (off-board)
Input voltage	230 V
Input frequency	50-60 Hz
Charging time	± 8 h
Charging capacity	± 15 Ah
Power consumption per full charge cycle	Max. 5 kWh
Operating temperature	-20°
Status indicators	LED
Input fuse	15 A
Cooling system	Ventilated
Protection rating	IP66

Drive Motor Specifications

Gear motors	2 electric gear motors
Voltage	48 V
Electromagnetic service brake	2 units
Protection rating	IP67
Transmission system	Mechanical

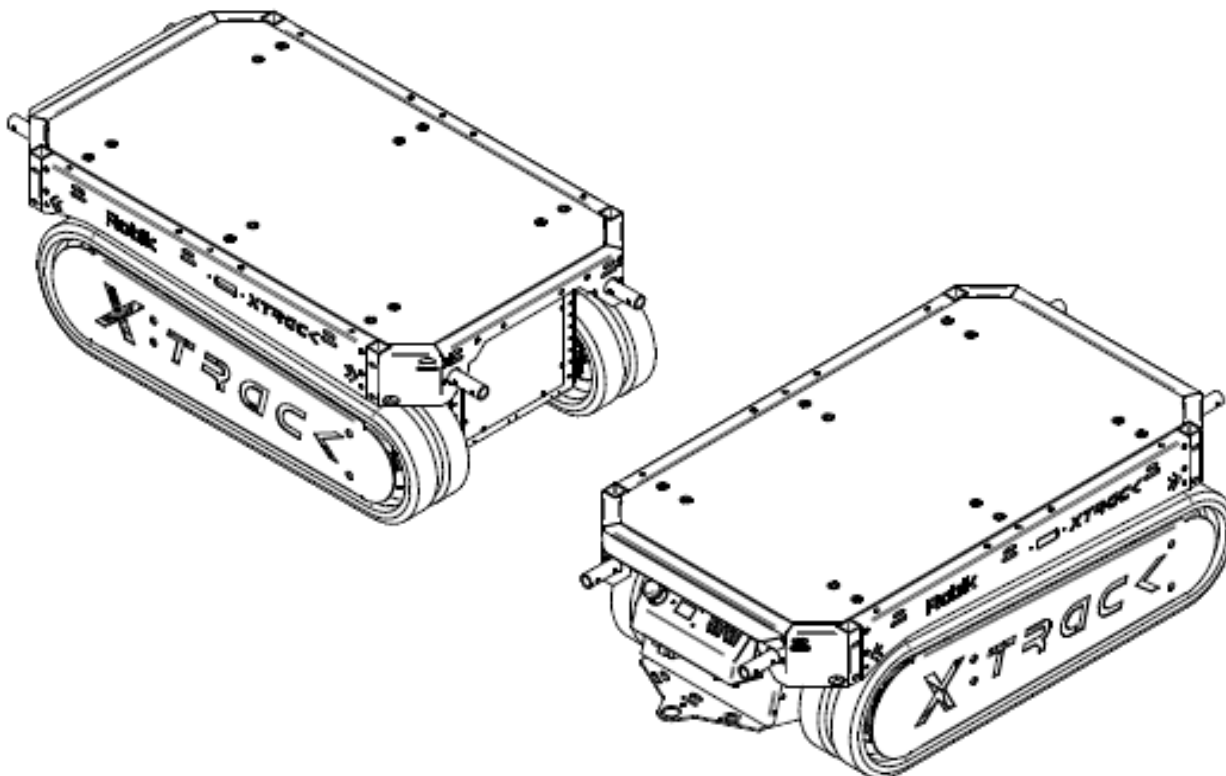
Dimensions (see technical drawing)

Length	1315 mm
Width	779 mm
Minimum platform height	474 mm
Turning diameter (no load)	360°
Weight* with AGM batteries	± 515 kg
Weight* with lithium batteries	± 420 kg

*Weight may vary depending on the selected machine configuration.

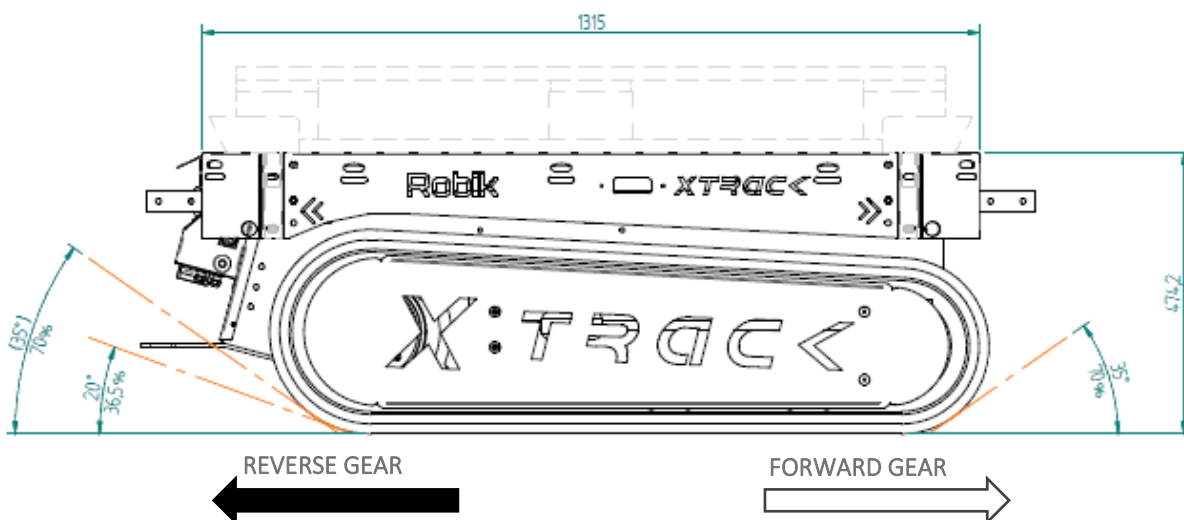
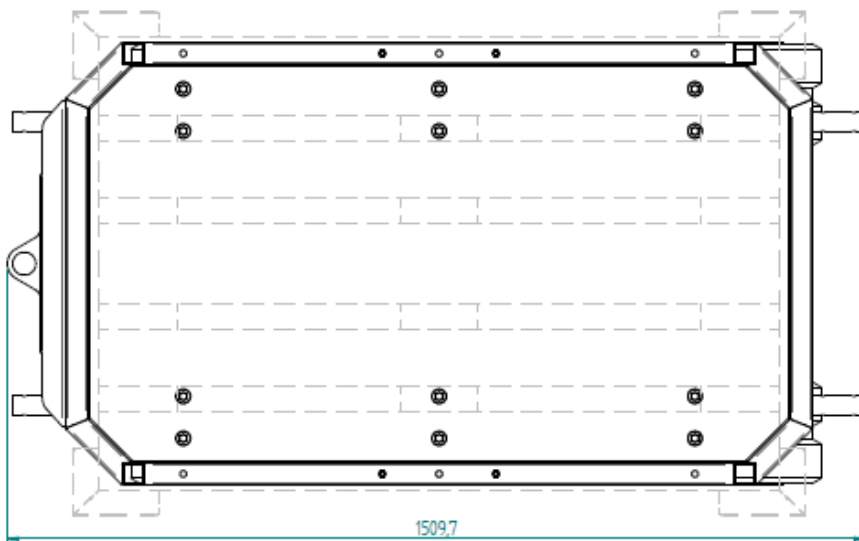
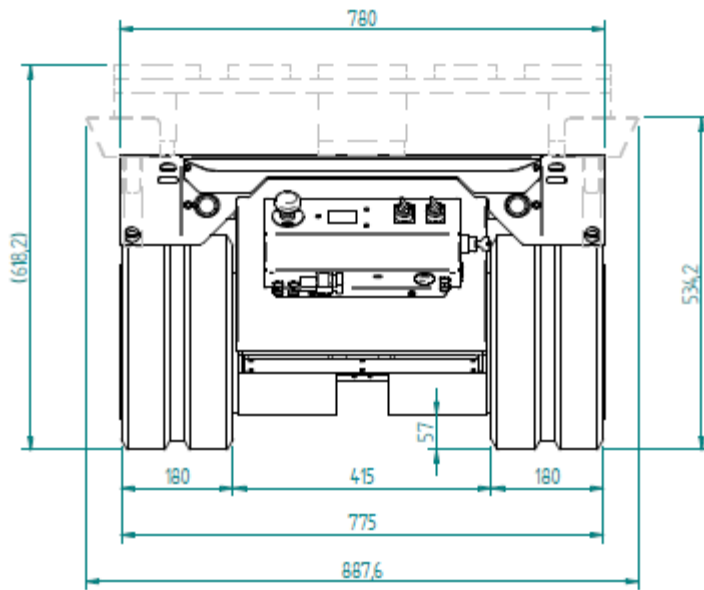
Tracks – Tracked Machine

High-quality track	Steel-reinforced internal mesh
Industrial rubber tracks	
Non-marking industrial rubber tracks (optional)	



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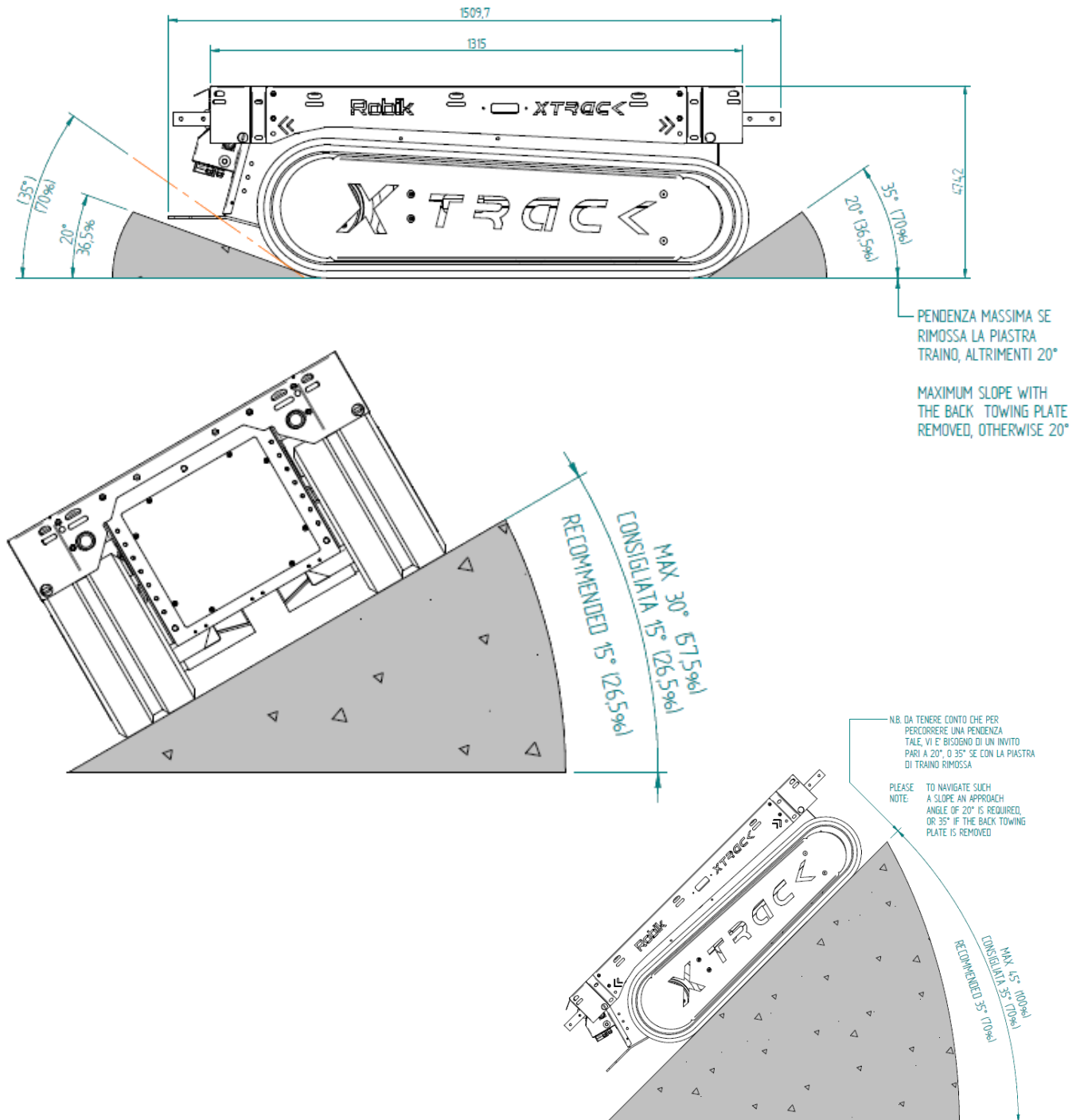
Technical Drawing



PLEASE NOTE the specifications indicated may vary over time

The indicated slope values refer to optimal operating conditions and PLEASE NOTE may vary depending on the load, weight distribution, surface characteristics and environmental conditions.

The assessment of operating conditions and safe use must be carried out by a properly trained operator, both before and during the use of the machine.



PLEASE NOTE dimensions are subject to change without prior notice



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