



# Electric mover

## Robik Q30 - TVC



Patented pending

**SATES**  
Electric Handling

# Data Sheet

## General Features

Model Name	Robik Q30 - TVC
Manufacturer	SATES di Salvò Luca – Division SATES Electric Handling
Description	Electric mover, tow and pusher
Power supply	Electric
Plant tension	24 V
Nominal power	1360 WATT
CE marking on rear right-hand side	

## Frame characteristics

Frame made of	Steel
Frame treatment	Polyester powder coating
Carter	Steel, painted with epoxy powder
Special Treatment	Cataphoresis (on customer demand only)
Special Carter	stainless steel 316 (on customer demand only)
Colour	Black and orange

## Safety data

Light signalling of movement	Flashing light
Disengagement device on machine	Emergency button
Power supply disconnection device/ Emergency stop	On machine
Moving machine acoustic signalling device	Beeper
Electro-magnetic parking braking	2 brakes (8 N/m x 2 = 16N/m total)
Drive controls	Maintained action switch
Handarm vibration	Minimum
Sound device for motion: noise level at operator's ear (Beeper)	dB < 45-90
Traction wheel covers (moves foot only on request)	2

## Performances

Max. forward speed	3-4 km/h
Max. backward speed	3-4 km/h
Vertical lifting on flat ground	+/- 3.000 kg
Lift capacity on flat ground* (with vertical load min 500 kg)	+/- 490 kg 4.805(N)
Towing capacity on flat ground ** ( with vertical load min 500 kg)	+/- 450 kg 4.412 (N) about 10 tons
Max. slope with load	12 %
Max. load force at the lifting plate	30 N
Stopping distance in deceleration (without load) with adequate grip	300mm

\* Load capacity is subject to kind of slope, kind of floor and operating time

\*\*While the force expressed in N at the lifting plate remains unchanged, the towing capacity in tons can vary substantially from the nominal value reported here, depending on the type of soil on which the towing is carried out, on the type, number and condition of wheels fitted to the trailer, on the presence of any gradients and friction present and generated in the system

Towbar (on customer demand only)	DE 70 (KN 23) Load kg 150Kg (KN 23)
Back ballast (on customer demand only)	Total kit weight 172 Kg (kit= n°9 plate each of 18 kg)

## Lifting

Electro-hydraulic pump	1
Voltage	24 Volt CC
Tank capacity	5 L
Type of oil	Shell Telus 46/Mobil/dte25
Operating temperature	-10°/40°C
% umidity	max 80%
Safety device with oil discharge valve	Yes
Safety device against load fall (stop pressure)	Yes
Electric limitation arm stroke on/under	Yes

## Drive control

Driving type	Man on the ground driving rudder
Forward/Reverse control	Through rudder control head
Speed adjustment	Through rudder control head
Steering	Through rudder head
Lifting	Through rudder control head
Emergency stop	Stop on machine
Start	Ignition on the machine with key

## Battery specifications

Batteries	n°2
Battery Type	Abt Power Cycle Free Maintenance
Battery voltage	24 V
<b>OPTION A</b> Nominal capacity c20/h	n°2 batteries each of 12 V - 100 Ah
<b>OPTION B</b> Nominal capacity c20/h (on demand only)	n°2 batteries each of 12 V - 140 Ah
Weight of each battery	About 31-39 Kg
Average autonomy per continuous service	3-4 h*

\* This value may change depending on the specific use for which Robik is intended, on the friction during the handling phase, on the number and frequency of manoeuvres, on the surface where the manoeuvre is made and the gradients present. For all these reasons to have a more precise data on the autonomy of Robik, the potential user must provide as much information as possible about the environment and on the type of use to which Robik will be subject, on the trolley to be moved and on any instruments to be used. This information is also needed to assess alternative types of storage.

## 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	+/- 25 Ah
Power consumption during complete charge cycle	Max 2,5 kWh
Operating temperature	-20°
Operation display	Led
Input fuse	16 A
Cooling system	Ventilation cooling
IP degrees of protection	IP66
Width	180 mm
Length	290 mm
Height	85 mm

## Technical data motor

Motor	N°2 electric motors
Engine Voltage	24 V
Service electro magnetic brake	n°2 (8 N/m x 2= 16 N/m total)
IP degrees of protection	IP 65
Transmission system	Mechanical
Transmission lubrication	In oil bath
Gear reduction	customized

## Dimensions (see technical drawing)

Turning circle	360°
Weight	350 kg

## Standard wheels

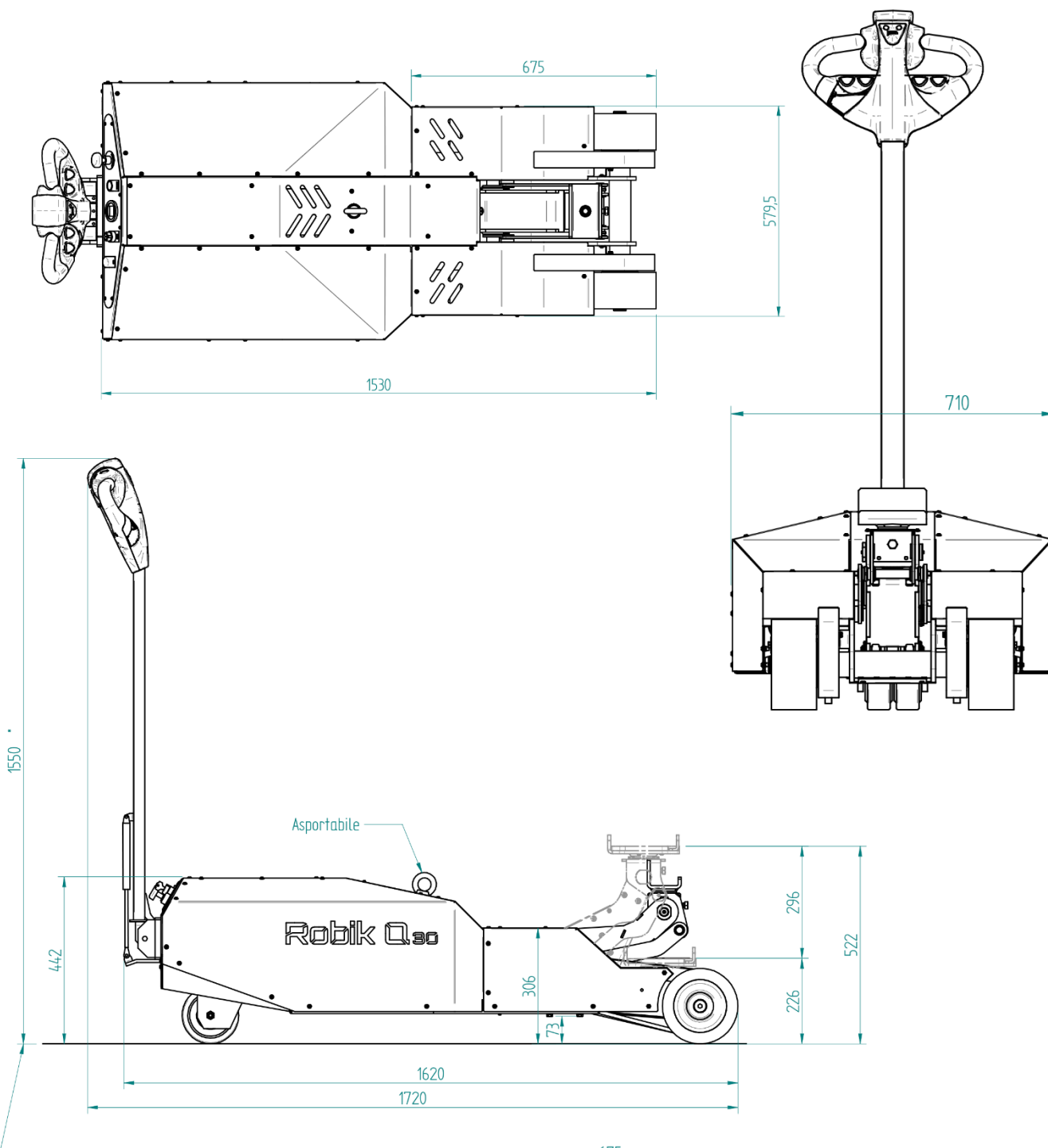
Drive wheels super elastic	150/100 x 2
----------------------------	-------------

## Optional wheels (only on request)

Hub + sprocket	n°2 steel c45
Drive wheels (polyurethane) Cuscion Technic Material Shore A 95 High Flow twin wheels	1x4
Pivoting wheels Technic Material Shore A 92 High Flow	1 twin wheels 2800 kg
Dimensions drive wheels	200/50 x 2
Pivoting wheels super elastic	150/80 x 2

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

# Technical drawing



On request only Long rudder  
(nautical version) 600 mm (total  
from the ground 2150 mm)

PLEASE NOTE the reported data may change over time

**SATES di Salvò Luca**

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

TEL. 049 643487 - FAX 049 8749686 - SDI M5UXCR1

www.robik.it - supporto@robik.it

**SATES**  
Electric Handling