



Electric mover Robik Q120



Patented pending

SATES
Electric Handling

Data Sheet

General Features

Model Name	Robik Q120
Manufacturer	SATES di Salvò Luca - SATES Electric Handling
Description	Electric mover, tow and pusher
Power supply	Electric 24 V cc
Plant tension	24 V
Nominal power	2,5 kW
CE certification	✓
CE marking on rear left-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	Anthracite grey and orange

Safety data

Operator is distant from the area affected by operations	Radio control
Light signalling of movement	Flashing light
Disengagement device on machine	Emergency button
Power supply disconnection device/ Emergency stop	Radio control
Acoustinc signaling Cicalino	Beeper
Electro-magnetic safety brake	2 brakes (10N x 2 = 20N braking power)
Drive controls	Maintained action switch
Handarm vibration	Absent
Noise level at operator's ear	dB < 45
Wheel covers (moves foot)	2 (on customer demand only)

Performances

Max. forward speed	3 km/h
Max. backward speed	3 km/h
Vertical lifting on flat ground	+/- 12.000 kg
Lift capacity on flat ground* (with vertical load min 500 kg)	+/- 1200 kg 1225 (N)
Towing capacity on flat ground ** (with vertical load min 500 kg)	+/- 1100 kg 1078 (N)
Max. slope with load	12 %
Max. load force at the lifting plate	130 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 following circumstances may affect the towing capacity expressed in kg: type of ground on which the towing is performed, the use (or not) of ballasts, type of wheels mounted on the vehicle and/or in the trailer, type of trailer and the presence of frictions visible (or not).

Towbar (on customer demand only) DE 70 (KN 23) Load kg 150Kg (KN 23)

Back ballast (on customer demand only) Total kit weight 201 Kg (kit= n°11 plate each of 17,5 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%
Hydraulic cylinder (special custom made)	1

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 unit

Battery specifications

Batteries	2
Battery Type	Abt Power Cycle Free Maintenance Traction – Dry Deep Cycle GEL
Battery voltage	12 V
Nominal capacity 5/h	200 Ah
Nominal capacity 20/h	220 Ah
Weight of each battery	45 Kg

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 5 kWh
Operating temperature	-20°
Operation display	Led
Input fuse	16 A
Cooling system	Ventilation cooling
IP degrees of protection	IP20
Width	180 mm
Length	290 mm
Height	85 mm

Technical data motor

Motor	2 electric motors
Electricity	DC
Engine Voltage	24 V
Rating (S2 - 5')	1,2 KW
Maximum peak power	2,5 x 2 KW
Service electro magnetic brake	n°2 (10 N x 2= 20 N total brake power)
IP degrees of protection	IP 65
Transmission system	Mechanical
Transmission lubrication	In oil bath
Gear reduction	1:20

Dimensions (see technical drawing)

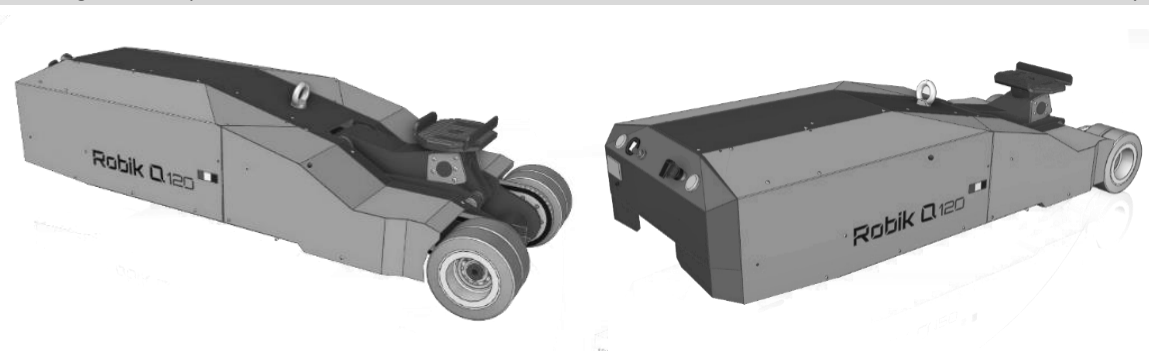
Length	1938 mm
Width	762 mm
MIN Height Loading Platform	285 mm
MAX Height Loading Platform	670 mm
Wheelbase	707 mm
Turning circle	360°
Weight	645 kg

Standard wheels

Hub + sprocket	n°2 steel c45
Drive wheels Cuscion Technic Material Shore A 95 High Flow	1 twin wheels 5000 kg
Pivoting wheels Technic Material Shore A 92 High Flow	1 twin wheels 4000 kg
Dimensions drive wheels	250/50 x 2
Dimension steering wheel	200/80 x 2

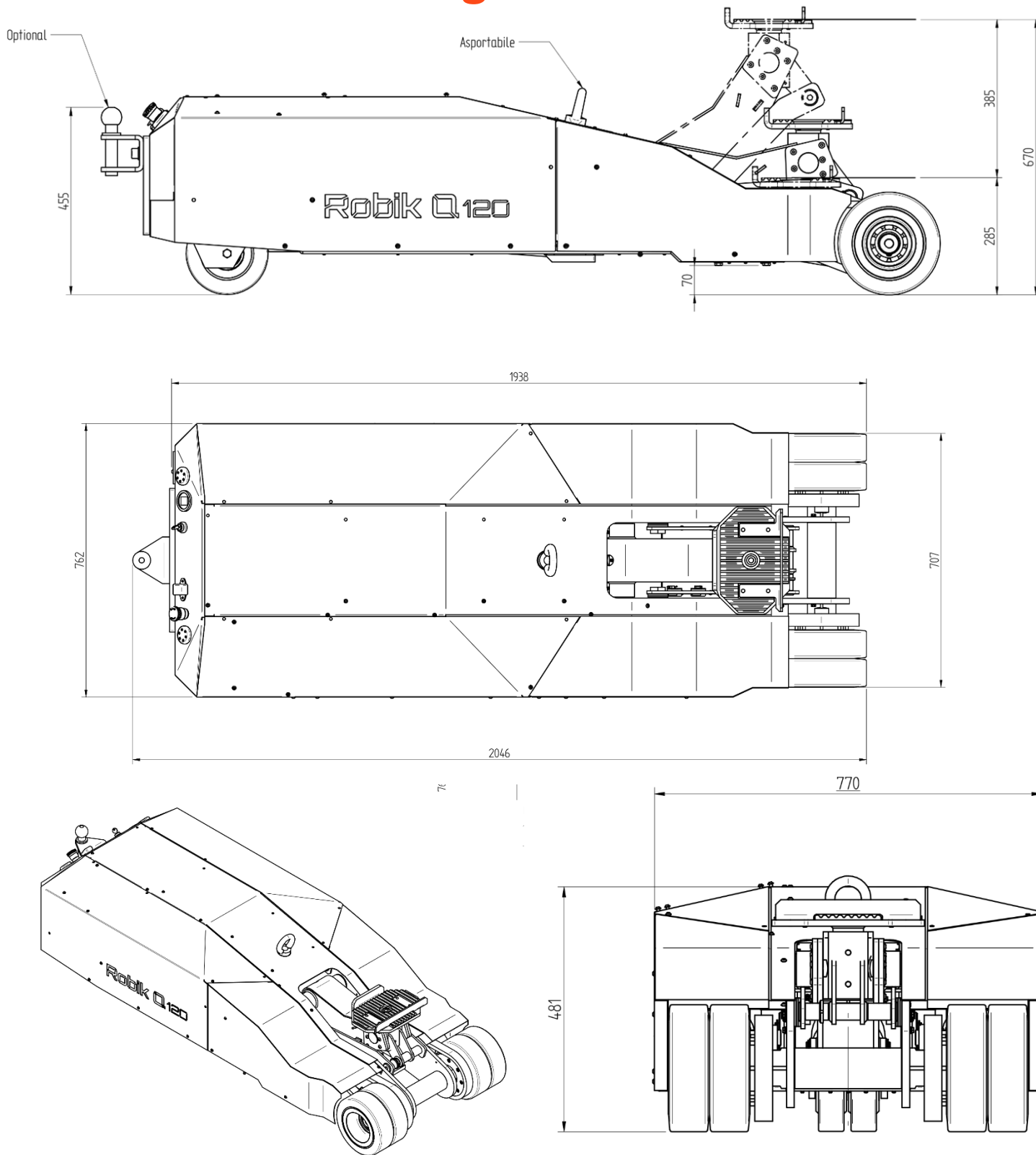
Optional wheels

Drive wheels super elastic	On customer demand only
Pivoting wheels super elastic	On customer demand only



PLEASE NOTE the reported data may change over time

Technical drawing



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