

RTE Robot - 800 mm

Multifunctional modular tracked chassis



Description

The RTE Robot (Rosenbauer Technical Equipment) is a radio-controlled, electric driven multifunctional tracked vehicle with a width of 800 mm. It combines compact dimensions, high payload and unique modularity. This makes it an indispensable helper for all rescue organization

Advantages

Multifunctional

- Quick and easy change between payload modules via standardized interface

Developed for firefighting use

- IP67 protection (particle/dust proof und protection against temporary submerge)
- Good maneuverability
- Good off-road performance
- Suitable max. speed of 6 km/h

Firefighting payloads

- Standardized payload with a dimension of 800 x 1.200 mm or 800 x 540 mm - possible payloads analog to mobile equipment carriers
- Transport of mobile equipment carriers
- Payload modules with electronically controlled turrets (RM 15C or RM 35C)

Compact Design

- Length 1.200 mm
- Width 800 mm
- Height 360 mm

Lightweight Design, high payload

- Weight 375 kg for basic version
- Payload approx. 625 kg
- Max. total weight 1.000 kg

Easy to control

- Industrial wireless remote control
- One-hand operation
- Protection class IP65
- Optional 3,5" display for showing the live stream of a camera mounted on a payload module

Light and horn

- Fully-intergrated LED frontlight
- Flashing blue light
- Acoustic warning device

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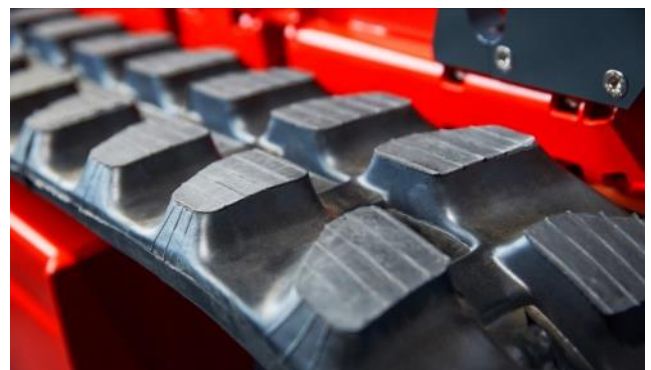
Robust front part with shackle



Combined charging and connection plug



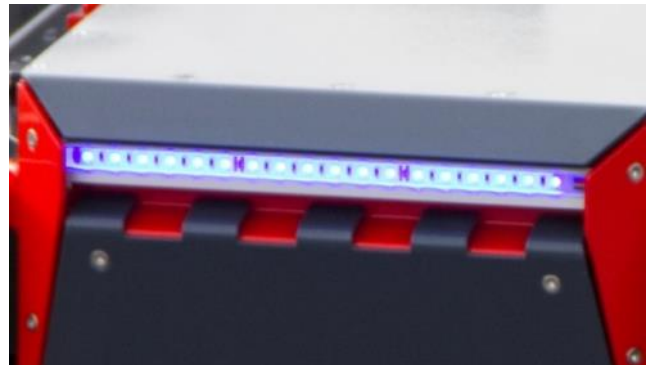
Powerful 48V electric drives for chains



Rubber chains with 150 mm width for good traction



Integrated LED light at the front



Additionally blue light—integrated in the front light

Remote Control



Wireless remote control for the robot



Wireless remote control for the robot and turret

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Payload locking system



Locking system locked



Locking system unlocked

Payloads modules



CC81A-A101 - payload module 800 x 1200 mm



CC81A-A501 - payload module grid box



CC81G-A101 - module RM15C (up to 2.000 l/min at 10 bar)



CC81J-A101 - module RM35C (up to 3.800 l/min at 10 bar)



CC81E-A111 - Transport mobile equipment carrier (high position)



Module mobile equipment carrier with ramp

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Technical data

Dimensions	Length 1.200 mm, Width 800 mm, Height approx. 360 mm
Weight	approx. 375 kg for the basic version
Total weight	1.000 kg
Chassis	<ul style="list-style-type: none">▪ Width of rubber chains: 150 mm▪ Ground clearance: approx. 80 mm
Motors	2x 48V electric motors
Batteries	<ul style="list-style-type: none">▪ 4x 12V AGM batteries, 90 Ah per battery
Wireless remote control	<ul style="list-style-type: none">▪ Industrial wireless remote control▪ Range > 200m
Protection class	IP67 protection (particle/Dust proof and protection against temporary submerge)
Max. speed	max. 6 km/h
Obstacle clearance	> 20 cm
Slope	> 70% (35°) - depending on total weight, center of gravity and ground
Slide-Slope	> 58% (30°) - depending on total weight, center of gravity and ground

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