Product Manual Firefighting (Emergency) Robot



# RXR-Q200L-AHHC Flood Drainage Robot

It can be used for urban emergency rescue, especially for culvert drainage, urban waterlogging, underground garage water accumulation and other complex scenarios; for problems such as large water depth, long water accumulation time, and affecting vehicle traffic in urban waterlogging, as a remote water supply and water extraction module, it does not need a water extraction platform, and can be launched and floated on the water surface by itself; it can also be used as a transportation module to use towing trailers (land) and towing assault boats (water) to walk remotely, which is convenient to operate. The integrated design of the robot does not require external power. It can carry large-diameter water belt rewinding electric vehicles of more than 100 meters, quickly lay water belts, and save manpower and material resources.

# Widely applied in:

- Flood drainage, emergency rescue and disaster relief in urban garages
- Flood drainage and emergency rescue in reservoirs and ponds
- Flood drainage and rescue in subway stations
- Flood drainage and rescue in tunnel and culvert terrains
- As a water intake module for remote water supply
- Flood drainage on narrow urban roads









## **PARAMETER** Machine weight 1080kg Overall dimensions(L\*W\*H) 2152\*1555\*1562mm 0-10km/h Driving speed Driving speed in water 0-3km/h Diesel fuel tank capacity 60L Hydraulic oil tank capacity 80L Remote control distance ≥500m Side tilt stability angle 30° Climbing angle 25kW Engine power Ground clearance 150mm Max. distance of the 500m drainage belt 200L/s Drainage flow rate 6-12m Lift height 5h Duration on water 4.8kN Winch traction force

## **DIVERSE FUNCTIONS**

- Water Supply: It can supply water to fire trucks and also serve as a water intake module for remote water supply. There is no need for a water intake platform, and it can enter the water on its own. It has a large flow rate and a fast water supply speed.
- Flood Drainage: It has a large drainage flow rate, can drain water over a long distance, is easy to operate, and can be quickly deployed in place.
- Strong Adaptability: It has low requirements for water quality and can drain sewage containing small solid particles and other impurities.

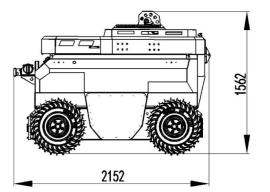
#### **AMPHIBIOUS CHASSIS**

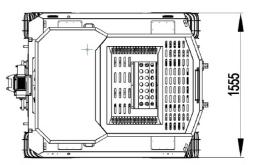
It adopts a wheeled chassis, which is hydraulically driven. It is equipped with amphibious vacuum tires and can travel on all terrains. It can achieve independent driving, turn around in place, is maneuverable and flexible, can work both on land and in water, is not restricted by the water depth, and is suitable for driving on all terrains.

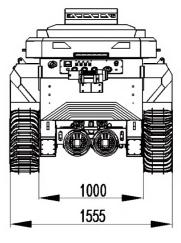
## **REMOTE CONTROL START**

It enables remote control with the separation of humans and the machine. The status parameters are observable and controllable, and it is safe and reliable.

## SIZE







## **REMOTE RELAY**

It has a long drainage distance and a long continuous working time. If the water supply distance is too long, a water supply and drainage robot can be used to provide additional power in the middle.

## **HYDRAULIC INTERFACE**

It has multiple hydraulic power output interfaces and an ultra-high-pressure hydraulic oil source, and can be externally connected to demolition tools such as hydraulic circular saws.

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