

RXR-Q300L-AHHC Flood Drainage Robot

Driven by diesel engine and hydraulic system, and uses a variety of control methods, such as wireless remote control/wired remote control/vehicle body control. The robot adopts six-wheel walking, which can be quickly installed with tracks to achieve wheel-and-shoe compounding. It can be used for drainage and rescue in urban garages, subway stations, tunnels, culverts, urban narrow roads and other environments. When floods occur in cities, resulting in serious water storage in underground garages, subways, tunnels, etc., the robot (wheel-and-shoe compounding) can realize rapid flood discharge rescue. This product has functions such as drainage, audio & video reconnaissance, water leakage reconnaissance, and environmental reconnaissance in disaster areas. The tracks can be quickly disassembled and assembled to meet different use environments and road conditions.

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 tunnel and culvert terrains
- Flood drainage and rescue in subway stations
- As a water intake module for remote water supply
- Flood drainage on narrow urban roads



PARAMETER

Machine weight	1243kg
Overall dimensions (L*W*H)	2181*1569*1395mm
Driving speed	0-4km/h
Driving speed in water	0-2km/h
Diesel tank capacity	60L
Hydraulic oil tank capacity	60L
Remote control distance	≥500m
Side tilt stability angle	≤25°
Climbing angle	30°
Engine power	58.8kW
Ground clearance	113mm
Max. drainage distance	500m
Drainage flow rate	2*600m³/h
Lift height	10m
Duration on water	≥8h
Winch traction force	6kN

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, can drain sewage and mud, and can pass particles with a diameter of 25 mm.

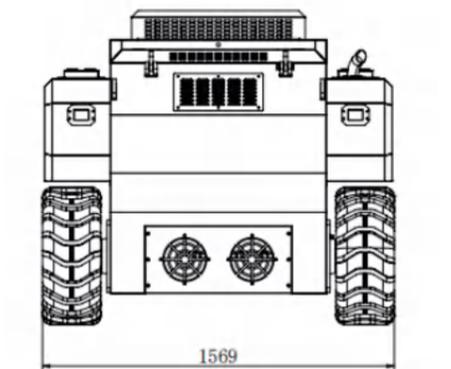
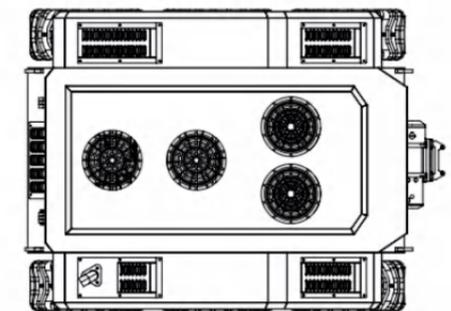
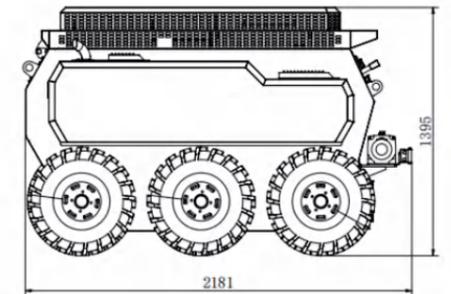
AMPHIBIOUS CHASSIS

It adopts a 6*6 wheeled + tracked chassis, which is hydraulically driven and amphibious, enabling it to travel on all terrains. It can float and move on water, and is suitable for various rescue scenarios. The dual-purpose chassis of tires + tracks (the tracks can be quickly disassembled and assembled) allows it to easily cross obstacles and is suitable for complex terrain areas such as rough, muddy and narrow roads where large vehicles cannot enter.

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.