Product Manual Firefighting (Emergency) Robot



RXR-JM300GD-AHHC **Four-wheel Drive Demolition and Fire-fighting Robot**

The fire fighting robot integrates four-wheel drive all-terrain fire fighting, smoke exhaust and demolition rescue functions into one, which can achieve all-terrain high-speed access to the job site, quickly realize the needs of demolition rescue and smoke exhaust fire fighting operations, is highly integrated, has multiple capabilities, and is more practical. It is powered by a diesel engine and adopts a four-wheel drive all-terrain chassis. It is flexible, can be turned in place, can climb slopes, and has strong off-road capabilities. It is equipped with a multi-degree-of-freedom rescue arm and a quick-change system, which can dismantle, cut, grab and carry obstacles. The middle of the body is equipped with two water mist fans, water cannons, and foam cannons, which can perform smoke exhaust, water mist cooling, dust reduction, and fire fighting operations at the same time of rescue, greatly improving the operation efficiency and winning the rescue work Precious time, obtained the first set of product certificates in China.

Widely applied in:

• For highway (railway) tunnels, subway stations, underground facilities and freight yards

• Fires in large-span and large-space places, petrochemical oil depots and refineries

 Investigation and data collection of dangerous fire targets, etc.

 Large-scale toxic gas l eakage accidents

 Fires in industrial plants and civil buildings









CHASSIS PARAMETERS 2850kg Machine weight Overall dimensions(L* W*H) 2648*1670*2126mm Driving speed 0-12km/h Diesel fuel tank capacity 50L Hydraulic oil tank capacity 50L Rated working pressure 0.8MPa Climbing ability 30° Side tilt stability angle 30° Ground clearance 200mm Obstacle crossing height 300mm Video transmission distance ≥1000m Traction force 15kN Engine power 46.3 kW Max. Horizontal reach 3100mm Max. Vertical reach 3400mm

FIREFIGHTING SYSTEM PARAMETERS

Range of the water cannon	85m
Max. flow rate of the water cannon	80L/s
Pitch angle of the water cannon fan	0°~40°
Rated air volume of the fan	60000m ³ /h
Water mist flow rate of the fan	8.6L/s
Range of the water mist from the fan	45m

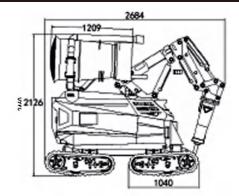
EASY TO OPERATE

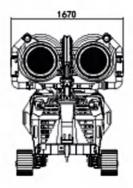
The lightweight wireless remote control can remotely control all actions of the machine. It also has the functions of wired remote control of the machine's actions in a strongly interfering environment and emergency manual control.

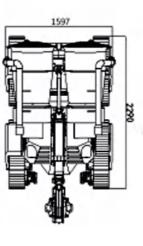
STRONG RESCUE ABILITY

When the boom encounters obstacles, it can carry out demolition work in time. It can be optionally equipped with functions such as remote video monitoring, remote toxic and harmful gas monitoring, and remote environmental monitoring.

SIZE







TERRAIN ADAPTABILITY

It has strong off-road ability and can adapt to complex terrains. It adopts stepless speed change with two gears of fast and slow, enabling it to travel quickly and also climb slopes and cross obstacles at a low speed. The automatic hydraulic braking device provides stable braking and reliable parking on slopes.

STRONG FIREFIGHTING ABILITY

Equipped with a fine water mist smoke exhaust fan and a fire water cannon, the whole machine has the function of fine water mist forced cooling protection.

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