

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
- Firefighting in situations where large fire trucks and personnel are difficult to approach
- Investigation and data collection of dangerous fire targets, etc.
- Large-scale toxic gas leakage accidents
- Fires in industrial plants and civil buildings



CHASSIS PARAMETERS

Machine weight	2850kg
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	60000m³/h
Water mist flow rate of the fan	8.6L/s
Range of the water mist from the fan	45m

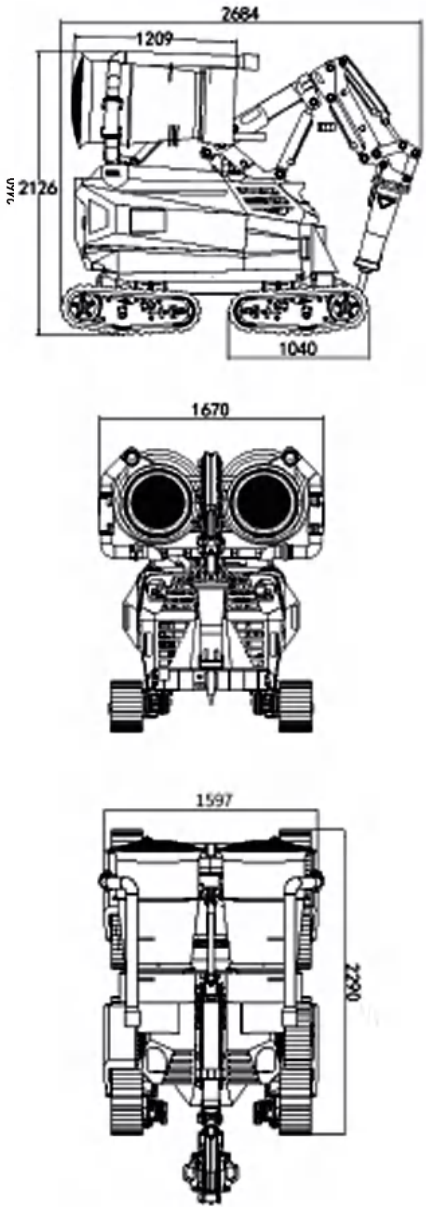
EASY TO OPERATE

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.