

1 Product overview

1.1 Product name

Fire fighting robotRXR-M40D-PLT1000

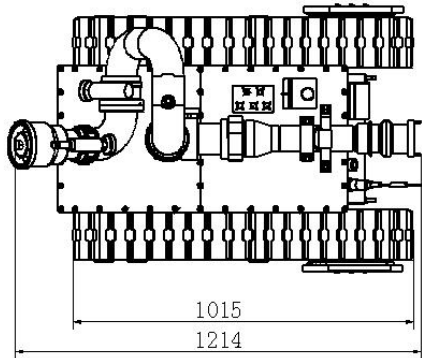
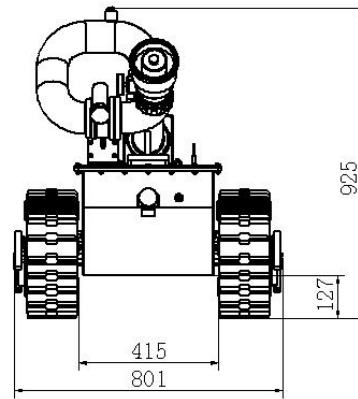
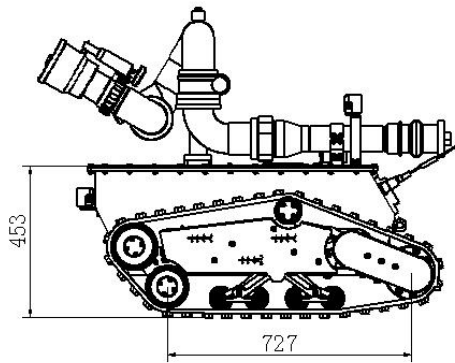
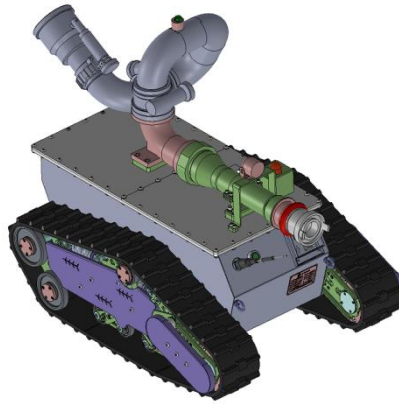
1.2 Product Introduction

The fire chassis truck can replace the fire rescue personnel to enter the scene of flammable, explosive, toxic, anoxic, dense smoke and other dangerous disasters to put out fire, effectively solving the personal safety faced by fire fighters in the above places. The simple body design is more stable, and the combination of high-power DC speed reduction motor makes the obstacle more simple.

1.3 Product features

- ◆ The supporting area is large, the ratio of the grounding length of the 150 mm wide track to the length of the whole vehicle is 75%, and the grounding specific pressure is 12 KPa (full load). It is suitable for operation in soft, muddy and other complex environments, with small sag, small rolling resistance and good off-road mobility.
- ◆ The turning radius is very small, which can realize turning in place.
- ◆ There are treads on the support surface of the track, which is not easy to slip, and has good traction and adhesion performance, which is conducive to exerting greater traction.
- ◆ The height of the chassis is more than 100mm, and it has excellent climbing and obstacle surmounting ability.
- ◆ The vehicle body adopts waterproof design, the chassis waterproof grade is IP67, and the upper part is IP65.
- ◆ Remote control fire monitor rotation, pitch, high range, large flow and other injection modes.

1.4 Overall dimension drawing



2 Main technical parameters

Item	Specification
Power	48V DC brushless motor
Operating ambient temperature	-20℃~60℃
Suspension system	Christie and Matilda combined suspension
Rated power	1000W*2

Rated torque		170NM
Operation speed		0~1.2m/s
Mas obstacle crossing		180mm (no load)
Max climbing angle		40°
RC distance		Open 300M
RC function		Right rocker controls body movement
Dimension	Overall size	1215*800*925mm
	Height of chassis	120mm
	Track width	150mm
	Grounding length	800mm
Weight	Self weight	250kg
	Load weight	82kg
Material	Tyre	aluminium
	Body	steel pipe
	Track	High quality rubber embedded with Kevlar fiber
	Surface treatment	Plastic spraying/partial painting
Battery	Type	lithium battery
	Capacity	60AH
	Voltage	48V

5 Water monitor parameter

Item	Specification	40 water monitor	
Rated pressure	Mpa		0.8
Working pressure range	Mpa		0.5~1.0

Range (elevation 30 °)/water	m	65
Range (elevation 30 °)/foam	m	60
Maximum spray angle	°	120
Pitch angle	°	+30°~+70°
Horizontal rotation angle	°	≥90°
Electric power supply used	V	DC24

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