



Smart Amphibious Mobile Pump

WGSA Series

Smart Amphibious Mobile Pump

New-generation mechanical/electrical mobile pump drive with diesel engine from **Wings Pumps** provides high reliability, reduced installation and maintenance costs, with a longer lifetime.

CERTIFIED
ISO 9001
ISO 14001
ISO 45001
ISO 50001



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Product Introduction

Diesel Engine

- Equipped with high-quality engine and high-performance pump body, strong power, high torque, easy maintenance, easy start
- A high-strength cardan coupling is adopted between the engine and the pump body to make the operation more stable;
- All movable devices are effectively fixed to further improve the shock absorption effect
- The radiator and rotating parts of the unit are equipped with protective covers to avoid damage caused by direct contact between man and machine.

Pump

- Customized drainage functions for different flow and head requirements;
- With self-priming function, suction lift 6-8.5m;
- Pump body disassembly structure: easy to maintain and troubleshoot. Only ordinary tools are needed to quickly complete daily maintenance, saving time and effort
- Open impeller structure, non-clogging design, strong passing performance;
- Easy to use, just put the suction tube deep below the liquid level to work (Fill with water for the first start)

Trailer

- Equipped with Australia-specific trailer chassis and torsion bridge structure; alloy steel rim, automobile vacuum tires
- Equipped with vehicle control connectors, it can trailer brake, steering and taillight control when towing the trailer



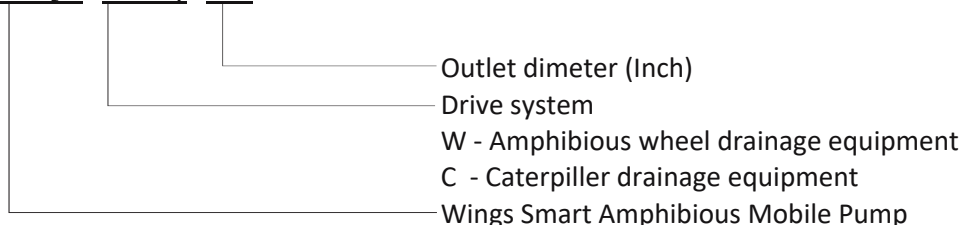
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WGSA intelligent drainage equipment is a special intelligent drainage equipment developed for urban emergency rescue. It can choose caterpillar type (C type) or wheel type (W type) walking mechanism according to customer requirements. It is widely used in the drainage of tunnels, underground garages, subways and other places during urban waterlogging. The equipment is highly mobile, and can rush to the scene and perform drainage operations in the first time to achieve the purpose of pumping and drainage. The equipment can be equipped with a portable hose storage machine according to customer requirements, and the hose can be quickly laid on site for drainage operations.

Product Model Instruction

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WGSA-W Amphibious wheel drainage equipment



WGSA-C Caterpillar drainage equipment

Model	Flow rate (m ³ /h)	Head (m.)	Drive	Power	Power unit	Control	Option
WGSA-W-8	600	10	Wheel	30 kW	Diesel engine	Remote Control	SCADA
WGSA-W-10	1,000	7	Wheel	64 kW	Diesel engine	Remote Control	SCADA
WGSA-W-8x2	1,200	10	Wheel	80 kW	Diesel engine	Remote Control	SCADA
WGSA-C-8	600	10	Caterpillar	30 kW	Diesel engine	Remote Control	SCADA
WGSA-C-10	1,000	7	Caterpillar	64 kW	Diesel engine	Remote Control	SCADA
WGSA-C-8x2	1,200	10	Caterpillar	80 kW	Diesel engine	Remote Control	SCADA
WGSA-C-10x2	2,000	7	Caterpillar	133 kW	Diesel engine	Remote Control	SCADA

Product features

1. **WGSA** intelligent drainage equipment adopts aviation high-efficiency diesel engine as the power source, and uses hydraulic transmission system to control two large flow pumps used by drainage robots for urban garages, subway stations, tunnels, culverts, urban narrow roads and other places for drainage and rescue. When heavy rain occurs in the city and exceeds the city's own drainage limit for a long time, causing serious water storage in underground garages, subways, tunnels, etc., the drainage equipment can realize rapid flood drainage and rescue in emergency rescue.
2. **WGSA** intelligent drainage equipment is a relatively advanced complete set of emergency drainage and rescue and disaster relief intelligent drainage equipment in Thailand. It is mainly composed of diesel-powered shelters, equipment shelters, and remote-controlled automatic walking drainage robots. Realize rapid transportation to the place where the water accumulates, and use complete sets of equipment to achieve large flow and rapid drainage, reducing drainage time. This equipment is very mobile, and the pumped water can be pumped to a safe area hundreds of meters away. It is especially suitable for drainage of urban underground garages, underground passages (steps can be stepped down), expressway funnels, culverts, subways, factories and mines, etc. Drainage occasions with low environment and unsuitable for personnel to enter.
3. Compared with traditional drainage equipment, this intelligent drainage equipment has the following advantages: large drainage low and long transmission distance; the crawler of the pump truck and the driving of the water pump are all hydraulically driven, and the operation is stable and there is no potential safety hazard for traditional water pumps. The car crawler walking and water pump drainage are operated by wireless remote control, with a remote control radius of 500 meters, safe and reliable; personnel are prohibited from entering the dangerous area, but the drainage robot can normally enter the work site to carry out drainage work; it has a 360-degree panoramic double-head rotation function, Water-proof, lightning protection, high temperature resistance, corrosion resistance, WiFi direct connection without wiring, wireless transmission distance of 500 meters.

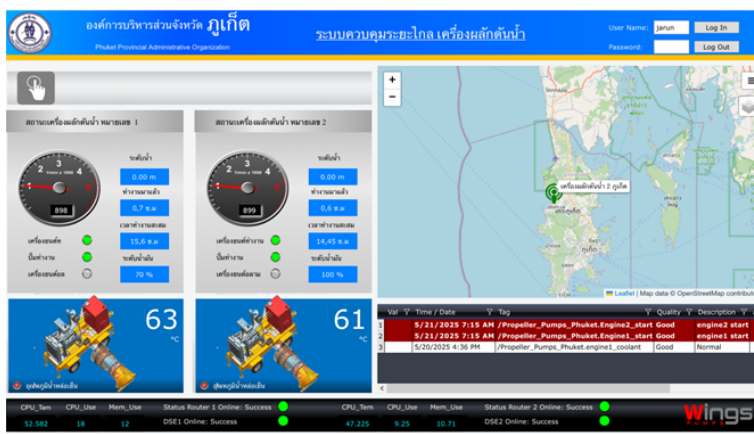


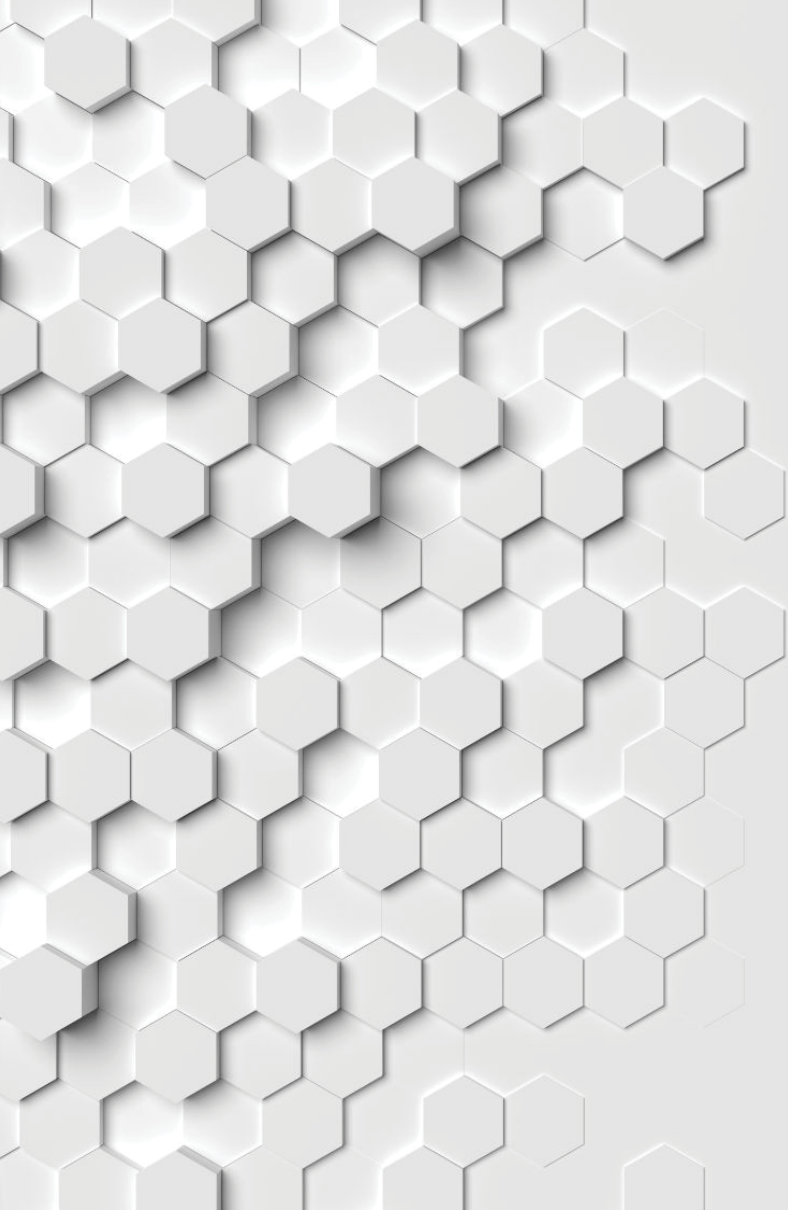
Remote control and status monitoring system

Wireless Remote Control



Display on SCADA





wings
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