

09 Multi-functional High-pressure Spray Fire Truck

SANY independently innovated and developed the high-pressure spray/atomized foam system, which is a new generation of municipal fire fighting vehicle with the functions of fire fighting, rescue, decontamination, and water supply, etc., focusing on efficient fire fighting, multi-scene/multi-functional fire rescue, high-rise/remote water supply and fire fighting



Product features

Efficient fire extinguishment

- Spray nozzle: equipped with 2 high-pressure spray/atomized foam nozzles, which can reduce temperature, dissipate smoke, suppress explosion and extinguish fire efficiently
- Front mounted monitor: equipped with front mounted high-pressure spray/atomized foam monitors, which can be used for fire extinguishing and decontamination by spraying during movement
- Boom monitor: equipped with high-pressure spray/atomized foam monitors, which can be used for water tower fire extinguishing with a wide coverage
- Applicable scenarios: applies to fires of A, B, C, and E categories



Elevating rescue/lighting

- Elevating rescue: the rescue ladder can carry 3 people simultaneously, replacing the 15 m ladder, achieving efficient and fast rescue
- Fire lighting: the end of the boom is equipped with 2 LEDs, supporting large-scale firefighting and rescue lighting at night

Hydraulic power station

- Chassis power take-off station: equipped with a high-power generator and providing 220 V/380 V external interface, it meets the needs of electric rescue tools, drainage pumps, mobile lighting and other electrical equipment, making the rescue process more efficient and convenient
- Chassis power take-off hydraulic station: meets the simultaneous operation of two types of firefighting hydraulic rescue tools, adapts to firefighting and rescue needs in narrow spaces, underwater environments, and explosive hazardous environments. It can be started with one-click and has excellent fast response rescue capabilities

500 kV high-voltage electrical fire extinguishing capacity

- Electrical fire: test and verify that 500 kV high-voltage electrical fire, the spray nozzle sprays continuously for fire extinguishing, which is safe and efficient
- Application scenario: applies to efficient suppression of fires in new energy vehicles, exchange stations, and energy storage stations, as well as extinguishment of fires in large, medium, and small transformers and distribution cabinets

Technical parameters

Product Model	PW04	PW03
Total mass	18800kg	6800kg
Chassis	SITRAK of SINOTRUCK	Qingling
Crew	2+4	2+4
Fire pump	High-pressure plunger pump	High-pressure plunger pump
Fire extinguishing medium	Water extinguishing agent series, type A/B foam	Water extinguishing agent series, type A/B foam
Total liquid tank volume	2800L	1800L
Maximum pressure	10MPa	7.5MPa
Roof monitor	SANY 6 L/s	/
Front mounted monitor	SANY 4 L/s	/
Spray nozzle	SANY 2 L/s	SANY 1.5 L/s