HPSI

Huaxin Power Systems International Co., Ltd.

WhatsApp:+86 18710852325/+86 13152134919/+86 18892055643

Tel:18629645674

Web:https://www.hpsigenerator.com

E–mail:admin@hpsigenerator.com

Add:Shengyuan Plaza, Daming Palace, Xi'an City, Shaanxi Province, P. R. China



Enhance Value for Clients, Empower Global Emergency, Strengthen Competitive Edge

Huaxin Power Systems International Co., Ltd.



COMPANY PROFILE

Huaxin Power Systems International Co., Ltd. focuses on flood prevention and emergency rescue equipment. We are dedicated to the R&D, manufacturing and global sales of mobile flood control pump trucks, emergency generator sets and professional drainage pump units.

Backed by solid technical expertise and strong production capacity, we keep innovating high–performance products to meet diverse market demands. Our drainage equipment features a flow range from 100m^3/h to 7200m^3/h, covering fixed and mobile types including diesel self–priming pumps, sewage pumps, mixed–flow pumps, split–case pumps, intelligent fire pumps, power generation & drainage integrated units, and cam rotor pumps. Widely applied in flood control & drainage, agricultural irrigation, municipal water supply & sewerage, fire protection, sewage treatment, hydropower projects, as well as metallurgy, mining, petroleum and chemical industries, our solutions serve outdoor construction, emergency maintenance and disaster rescue scenarios worldwide.

We always uphold the philosophy of Leading Technology, Superior Quality, Customer Oriented, delivering reliable products and professional services to global partners.

CONTENTS

P01/02 Company Profile
P03/04 Quality Policy
P05/06 Service Network
P07/08 Production Strength&Typical Cases
P09/10 Open Frame Water Pump Unit
P11/12 Trailer–mounted Mobile Pump Truck
P13/14 Integrated Power Generation, Drainage and Lighting Vehicle
P15/16 Drainage Shelter
P17/18 Mobile Lighting Lighthouse
P19/20 Emergency Rescue Vehicle

QUALITY POLICY




营业执照
（副本）


Certificate



PATENT CERTIFICATE

COOPERATIVE BRAND

NEWAGE AVK SEG · Cummins · DEUTZ · MITSUBISHI

LEROY-SOMER · mecc alte · mtu · WEICHAI

Perkins · MARATHON ELECTRIC · STAMFORD | AvK · ComAp

COOPERATIVE PARTNERS

中国石油 · 中国消防救援 CHINA FIRE AND RESCUE · 中国水务 CHINA WATER · 中国铁建

国家电网 STATE GRID · 中国安能集团 CHINA ANNENG GROUP · 绿地集团 GREENLAND GROUP · 陕建集团 SHAANJIAN GROUP

中天建设 · 中国南方电网 CHINA SOUTHERN POWER GRID · 中国建筑 · 中国陕西 2021 SHAANXI CHINA

SERVICE NETWORK

We have established a professional distribution network across 128 countries worldwide. Through cooperation with globally renowned brands, we have built a comprehensive sales and service support system covering the entire market. Whether you require product consultation, genuine original spare parts procurement, cutting–edge technical application, or full–process services including pre–sales, in–sales and after–sales support, we provide professional assurance to keep your generator sets operating efficiently and stably at all times.



TIPS

- UK
- Hongkong
- Saudi
- German
- Beijing
- ChengDu
- WuHan
- XiAn
- XiaMen
- FuZhou

To find more about our service and support for your business,visit https://www.hpsigenerator.com

PRODUCTION STRENGTH

Equipped with modern advanced production facilities, we ensure product quality through full–process precision manufacturing. With solid professional strength, we fulfill customers' trust and consolidate cooperative confidence.










TYPICAL CASES

The flood control mobile pump truck quickly delivers emergency water and drains standing water from urban roads, airports and other sites. It effectively supports flood rescue and protects people’s lives and property. The pump truck allows fast maintenance and easy transportation without pipeline disassembly. After use, water can be easily discharged for damage–free storage, keeping the unit on 24–hour standby for immediate deployment.










▶1.OPEN FRAME WATER PUMP UNIT

FIRE PUMP









The product features excellent starting performance, strong overload capacity, compact structure, convenient maintenance, simple operation and high degree of automation. It is a fire–fighting equipment with reliable performance.

This series of products boasts a wide range of head and flow, which can fully meet the fire water supply demands of various occasions in industrial and mining enterprises such as warehouses, docks, airports, petrochemical plants, power plants, liquefied gas stations and textile mills.

S–TYPE PUMP

The SS pump is a single–stage single–suction (axial suction) centrifugal pump. It is used to transport clean water with a temperature below 8° C, or other liquids with physical and chemical properties similar to clean water.

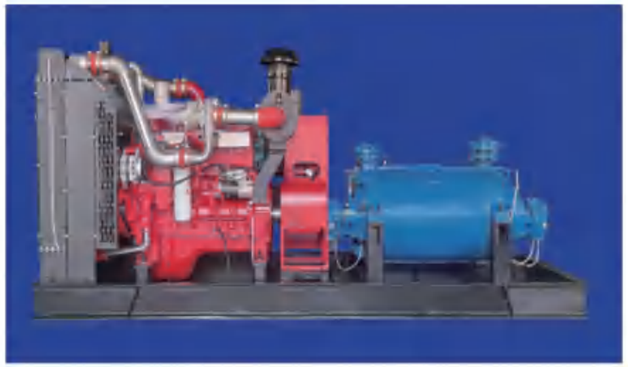
It is suitable for industrial and urban water supply, drainage, as well as agricultural irrigation.







MULTISTAGE PUMP





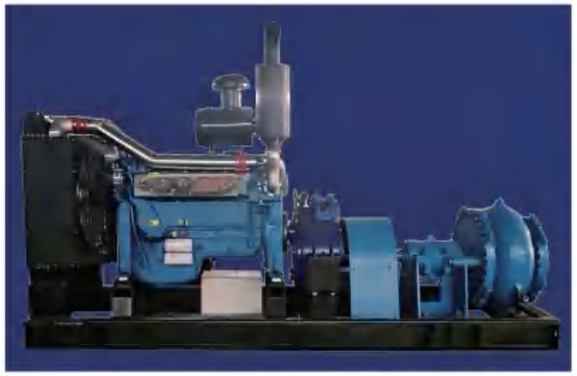




A multistage pump is a centrifugal pump whose inlet section, outlet section and middle sections are assembled together by tie rods. It can deliver extremely high water pressure and generates centrifugal force through the rotation of impellers. This enables the gas density of the medium to reach the operating range of the mechanical vacuumpump for extraction, gradually achieving a high vacuum.

Multistage pumps are widely applied in many industrial sectors such as petroleum, chemical engineering, machinery, mining, light industry, pharmaceutical and food industries.

GRAVEL PUMP









This series of gravel pumps are mainly horizontal centrifugal pumps with a single pump casing structure.The pump body and pump cover are fastened by special clamps, and the discharge port can be adjusted to any position within 360 degrees, featuring easy installation and operation.The gravel pump is mainly used for the continuous transportation of highly abrasive materials with overly large particles that cannot be conveyed by ordinary slurry pumps.

It is applicable to dredging, gravel suction, river dredging, mining, and the transportation of slag from metal smelting.

2.TRAILER-MOUNTDE MOBILE PUMP TRUCK

CZ Series Self-priming Diesel Water Pump Unit



- It features large exhaust volume, high vacuum degree, low-temperatureoperation, maintenance-free performance, no lubricating oil required and no mechanical seal adopted.
- P-S-P automatic switching system: When the centrifugal pump completesself-priming, the EVP self-priming system will automatically switch to sleep mode; when self-priming is required again, the EVP system restarts automatically.
- Dry-run protection system: The pump station is equipped with a built-in dry-run protection system, which prevents the mechanical seal from burning out even if the self-priming pump runs dry for along time.
- Cooling system: High-pressure cooling water enters one end of the vacuum pump cooling chamber from the inspection port of the centrifugal pump and flows out rapidly from the other end. It realizes fast and efficient cooling for the vacuum pump, ensures the vacuum pump operates at the lowest temperature, and extends the service life of the EVP self-priming system significantly.
- Easy-disassembly structure: The vacuum pump cover on the non-drive end can be disassembled easily, and the vacuum pump vanes can be pulled out effortlessly for convenient wear inspection.
- Clog-free impeller design: The centrifugal pump impeller adopts a wide flow passage structure, allowing solid particles with a diameter within 76 mm to pass through smoothly.
- Self-drainage function: The centrifugal pump cover is designed with a special self-drainage structure, which effectively prevents the mechanical seal spring from being stuck by deposited solid particles and avoids consequent seal failure.

Model	Import calibre (mm)	Outlet diameter (mm)	traffic (m^3/h)	Head (of a pump) (m)	Rotational speed (rpm)	Matching power≥kW
HPSI550CZ-20T	150	150	550	20	1500	36
HPSI800CZ-15T	200	200	800	15	1500	36
HPSI900CZ-20T	200	200	900	20	1500	50
HPSI1000CZ-20T	200	200	1000	20	1800	67
HPSI900CZ-17T	200	200	900	17	1500	58
HPSI1000CZ-25T	200	200	1000	25	1800	80
HPSI1000CZ-20T	200	200	1000	An	1500	70
HPSI1200CZ-25T	200	200	1200	25	2200	117
HPSI1100CZ-20T	250	250	1100	20	1500	70
HPSI1200CZ-20T	250	250	1200	20	1500	90
HPSI1700CZ-15T	300	300	1700	15	1500	96
HPSI2000CZ-20T	350	350	2000	20	1500	132

QZ Series Self-priming Diesel Water Pump Unit



The pump unit is suitable for municipal sewage and industrial wastewater treatment projects, as well as various wastewater grading treatment and centralized treatment systems.

- The main shaft adopts double bearing support, featuring stable performance and reliable operation.
- Integrated vacuum system delivers fast self-priming and high suction lift, with a maximum suction lift of 8 meters.
- Double-suction impeller design achieves larger flow rate and head.
- Non-clogging impeller structure ensures strong particle passing capacity.
- Equipped with an independent low-pressure oil-free fully maintenance-free vacuum pump; self-priming can be realized without water filling. The mechanical water-gas separation tank ensures more stable and reliable operation.

Model	Import calibre (mm)	Outlet diameter (mm)	traffic (m^3/h)	Head (of a pump) (m)	Rotational speed (rpm)	Matching power≥kW
HPSI300QZ-25T	150	150	300	25	1500	30
HPSI360QZ-25T	150	150	360	25	1500	36
HPSI450QZ-25T	150	150	450	25	1500	36
HPSI500QZ-20T	200	200	500	20	1500	60
HPSI600QZ-20T	200	200	600	20	1500	60
HPSI700QZ-20T	200	200	700	20	1500	70
HPSI1000QZ-20T	250	250	1000	20	1500	90
HPSI1200QZ-20T	250	250	1200	20	1500	90
HPSI1500QZ-20T	250	250	1500	20	1500	130
HPSI1700QZ-20T	350	350	1700	20	1500	180
HPSI2000QZ-20T	350	350	2000	20	1500	180

3.INTEGRATED POWER GENERATION, DRAINAGE AND LIGHTING VEHICLE



The trailer–mounted power generation, lighting and drainage pump vehicle is a high–performance and user–friendly multi–functional flood control pump.Integrating power generation, lighting and drainage into one unit, it is widely applicable to construction sites, field operations, disaster–stricken areas and other scenarios.Adopting a trailer–type design, the vehicle is easy to handle and transport. It features a single–axis two–wheel structure with a rainproof trailer design, enabling it to adapt to various harsh and complex environments.

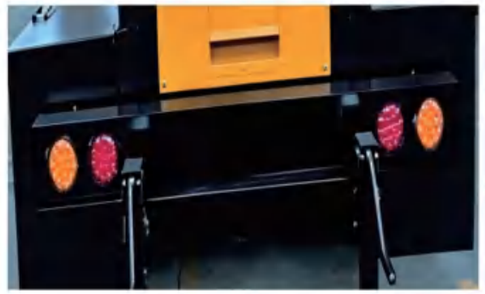
The complete unit consists of three independent systems: power generation system, lighting system and drainage system.The power generation system is equipped with a diesel generator set; The lighting system adopts portable remote–controlled lamps with 360° omnidirectional rotation; The drainage system is configured with portable submersible pumps, featuring a flow rate of 150 – 2000 m^3/h and a head of 10 – 35 m, equipped with one–touch electric start function.

FEATURES

- Designed in compliance with road traffic safety standards;
- Equipped with complete noise reduction measures;
- Designed for outdoor application;
- The traction device is directly connected to the chassis to maintain wheel balance;
- Brake lights are installed at the rear of the trailer;
- Warning lights and floodlights are equipped on the top;
- Convenient fuel filling, and the fuel filler can be locked independently;
- Drawer–type toolbox for easy access and storage;
- Equipped with windproof hook design to prevent the cabinet door from swinging;

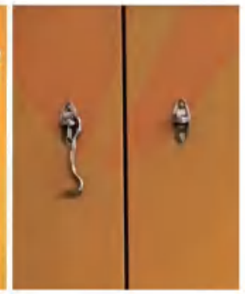












4.DRAINAGE SHELTER

The drainage shelter is an integrated emergency rescue equipment. It is composed of a control cabin, water system cabin, power cabin, lifting work lights and other devices. Its overall appearance is similar to a container. Different equipment and devices can be configured according to actual application requirements. It features high reliability, electromagnetic compatibility, air tightness and thermal insulation performance.It is widely used in flood disasters such as rainstorms and floods, emergency rescue scenarios, temporary construction sites and other occasions.

Our independently designed and manufactured drainage shelters are divided into two types: fixed type and self-unloading type. The generator set power is 30kW, with a flow rate of 150 - 600m³/h and a head of 10 - 35m.The top can be equipped with a lifting searchlight, which realizes 360° horizontal rotation and 180° vertical rotation, providing all-weather on-site lighting. The supporting portable drainage pump has the advantages of large flow, high head and light weight, and one person can complete the drainage operation independently.

Self-unloading Drainage Shelter





The self-unloading drainage shelter integrates multiple functions such as power generation, drainage and lighting. It adopts an optimized structural layout. The support arms can be automatically lifted and lowered to complete loading and unloading without forklifts or cranes on site, enabling a single pickup truck to transport multiple shelters back and forth.The top is equipped with a lifting searchlight featuring 360° horizontal rotation and 180° vertical rotation, providing all-weather on-site lighting. This product is compatible with all long-bed pickup trucks available on the market for easy loading and unloading.

PRODUCT DETAILS DISPLAY



Main Technical Parameters

Product Model	HPSI30-600	HPSI18-400
Weight	810kg	597kg
Unfolded Dimension	2500×1400×4800 mm	2500×1100×3770mm
Folded Dimension	1755×1400×2100 mm	1755×1100×2100mm
Continuous Working Time	More than 10 hours	More than 8 hours
Generator Set	Equipped with gasoline generator	Equipped with gasoline generator
Power	30kW	18kW
Rated Voltage	380V/230V	380V/230V
Starting Mode	Electric start	Electric start
Pump Flow	600m³/h	400m³/h
Pump Power	22kW	15kW
Pump Head	8m	8m
Pump Dimension	240×390mm	240×390mm
Pump Weight	22kg	22kg
Caliber / Diameter	8 units	8 units
Impeller Structure	Closed impeller, made of 304 stainless steel.	Closed impeller, made of 304 stainless steel.
Passable Particle Size	20mm	20mm
Lifting Working Light	The light source consists of 4×100W LED lamps. The lifting lamp pole can adjust the beam irradiation angle from 0° to 360°. Any single or combined light groups can be turned on according to site requirements.	
Maximum Lifting Height	4.8m	3.75m
Remote Control Range	Within 60 meters	
Light Source	Illuminance ≥ 385 Lux at 10 meters, Illuminance ≥ 1000 Lux at 5 meters.	
Recommended Vehicle Model	Compatible with 99% of pickup trucks on the market for transportation.	
Optional	Equipped with lights, cameras, 4G network and other configurations.	

Fixed Drainage Shelter





Portable Submersible Pump	Equipment Model	HPSI5600-8	HPSI5400-8
	Drainage Caliber(mm)	DN200	DN200
	Rated Flow(m^3/h)	600	400
	Head(m)	8	8
	Motor Power(kW)	22	15
	Voltage(V)	380	380
	Weight(kg)	25	32
Generator Set	Generator Set Power(kW)	30	18
	Voltage(V)	380/220	380/220
	Fuel Tank Capacity(L)	100	71
Housing / Enclosure	Weatherproof Housing Material	2.0mm galvanized steel sheet + outdoor weather-resistant baking paint	2.0mm galvanized steel sheet + outdoor weather-resistant baking paint
	Dimensions: L×W×H(mm)	2000*1600*1600	1641*1000*1998
	Weight(kg)	680	597

- **Fully Integrated Design:**

Integrates power generation, drainage, lighting and control systems into a compact shelter structure, enabling plug–and–play deployment without complex installation.

- **High Reliability & Stability:**

Features a weatherproof, dustproof and noise–reducing shelter design, with excellent airtightness, thermal insulation and electromagnetic compatibility, ensuring stable operation in harsh environments such as heavy rain, high temperature and humidity.

- **Continuous High–Efficiency Operation:**

Equipped with a diesel generator set and high–flow submersible pump, providing stable, uninterrupted power and drainage capacity for long–term continuous flood control operations with minimal maintenance.

- **Intelligent & User–Friendly Operation:**

Adopts a humanized interface and full–function control system, supporting one–key start, parameter monitoring and remote management for unattended operation.

- **Modular & Scalable:**

Customizable configurations of pump flow, generator power and additional functions (e.g., lighting, communication modules) to suit various fixed scenarios such as construction sites, pump stations, tunnels and garages.

- **Low Maintenance Cost:**

The fixed structure eliminates transportation–related wear, with well–protected core components for low failure rates and easy maintenance, ideal for long–term fixed deployment.

5.MOBILE LIGHTING LIGHTHOUSE



The mobile light tower is a high-performance product independently designed and developed by our company in response to market demand, integrating lighting and auxiliary power output functions.It is a hydraulically liftable mobile lightingdevice with 360° slewing capability. Equipped with our self-developed generator set and a towed chassis with excellent driving performance, the equipment features reliable performance as well as easy and flexible mobility.

It ranks among the industry leaders in key performance indicators, including fully extended lamp pole height, maximum working illumination height, lighting projection distance and coverage, chassis trafficability, chassis impact resistance, and overall wind resistance rating. It boasts outstanding advantages such as high performance, high reliability, wide working range and strong environmental adaptability.

Application Scope

It is widely applied in large public venues such as stadiums, airports and docks; emergency rescue sites for highway, railway and power engineering; oil fields and open-pit mining sites; as well as flood control, waterlogging prevention and disaster relief scenarios and other places requiring emergency backup lighting and power supply.

Main Technical Parameters

Product Name	Mobile Light Tower		Product Model	HPSI200D-75	
Prime Power	9.0KVA/9.0KW		Rated Frequency	50HZ	
Rated Voltage	230V		Weight	975kg	
Dimensions	2762*2781*9068mm(Max) 4344*1450*1890mm(Min)		Full Load Running Time	67h	
Fuel Type	Diesel		Fuel Tank Capacity	114L	
Engine	Model	Yangdong YD385	Generator	Generator Model	Meccalte ECP28 XS/4
	Cylinder Number & Arrangement	3 Cylinders		Pole Number	4P
	Air Intake Mode	Naturally		Frequency	50HZ
	Cooling System	Water Cooled	Lighting Fixture	Voltage	230V
	Rated Speed	1500r.p.m		Rotation Angle	360°
	Fuel Consumption (Full Load)	1.8L		Number of Spotlights	4*1000W
	Governor	Mechanical Type		Spotlight Type	Metal Halide Lamp
Chassis	Wheels	2*165R13	Cabinet	Total Lumen	4×90000=360000
	Fixed Bracket	4		Weatherproof Housing Material	2.0mm Galvanized Steel Sheet+Outdoor Paint Finish
	Forklift Pockets	Standard Configuration		Auxiliary Output Socket	2*16Amp.230V

6.EMERGENCY RESCUE VEHICLE

Emergency Rescue Vehicle

It is mainly used for rescue and disposal in emergencies such as natural disasters and accidental disasters.

This vehicle is equipped with 10 sets of 500m³/h portable submersible pumps, with a lift head of 10m and a motor power of 22kW, together with one 250kW Cummins generator set.



Pickup Drainage Rescue Vehicle

It is an ideal drainage solution for field areas without electricity supply. Featuring an ultra-large drainage flow, it is widely applied in field engineering, agricultural irrigation, flood control and waterlogging drainage, emergency fire fighting and other fields.It plays an important role in urban waterlogging drainage system projects. Equipped with such equipment, cities can better cope with sudden rainstorms, quickly relieve disaster situations, and improve the emergency response capacity of urban waterlogging prevention and drainage work.

This model is fitted with one 500m³/h portable submersible pump, with a lift head of 10m and a motor power of 22kW, and configured with one 30kW Weichai Co., Ltd. generator set.

