



KAMUJA

STATIONARY CONCRETE PUMP SP50.10.60D



Hunan Kamuja Machinery & Equipment Co.,Ltd



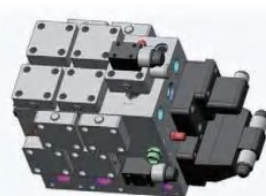
A Certificated Company of GB/T 19001-2016
ISO 9001:2015

INTRODUCTION

The Stationary Concrete pump is mainly use for Expressway, Road, Bridge, Light Rail and Private house construction scenarios.

FEATURES

① HYDRAULIC SYSTEM



ONE-BUTTON TWIN PISTON RETURN

With one-button operation, both of the pistons can be automatically returned into the water tank, which effectively shortens the time for replacing the piston and makes maintenance easier.

HYDRAULIC INTEGRATION BLOCK

It adopts hydraulic integrated valve group, compact design, Concise oil passage, Simple and reliable connection of hydraulic pipeline, Reduce the system fluid resistance keep the system in reasonable temperature.

ONE-BOTTON HIGH AND LOW PRESSURE SWITCHING

Switch between high and low pressure with one button, Easy pumping at high Floors.

② PUMPING SYSTEM



STRONG PUMPING SYSTEM

Advantages of high-pressure large-displacement conveying, unique design of mixing blades small mixing dead angles, strong design and strong suction performance, suitable for C15-C70 concrete pumping.

DUAL DRIVE LUBRICATION SYSTEM

Equipped with a dual-drive lubrication pump. which combines manual and fully-enclosed automatic re-lubrication technology, Effectively ensure the lubrication performance of moving parts and extends the service life.

COMMUTATION BUFFER TECHNOLOGY

Adopt the new generation of flexible control technology to minimize the hydraulic shock, Reduce noise and improve pumping stability.

③ POWER SYSTEM



HIGH-END ENERGY SAVING TECHNOLOGY

Using the latest algorithm to optimize the engine power matching, The pumping efficiency increases by up to 15%, and the fuel consumption reduces by up to 10%.

ENGINE

Adopt famous international brand (DUETZ or COMMINS), big output power and torque not only guarantee the powerful working and complete combustion, also reduce the emissions.

④ ELECTRICAS SYSTEM



INTELLIGENT ELECTRIC CONTROL SYSTEM

A) EQUIPMENT MANAGEMENT

· DYNAMIC MONITORING

Equipped with a powerful human-computer interaction system, Real-time feedback of equipment operating conditions.

· SAFE OPERATION

Set multiple security protection modes to prevent misoperation and damage to equipment.

· SELF-DIAGNOSIS

Real-time monitoring of equipment status, effectively improving troubleshooting time by 70%.

B) DATA ANALYSIS

· MAINTENANCE TIPS

Prompt maintenance tips according to working hours and pumping volume.

C) INFORMATION MANAGEMENT

· DATA RECORDING

Record running time of core components such as pumps and engine.

· FUEL CONSUMPTION MANAGEMENT

You can view daily and unit pumping fuel consumption.

EXCELLENT AUTOMATIC PROTECTION SYSTEM

D) OVERLOAD PROTECTION

When the engine is overloaded or over-speed, the system will automatically stop working to avoid damage to the engine and oil pump.

E) REAL-TIME MONITORING OF DIESEL

Automatic warning, when the fuel is insufficient, To ensure that the engine will not be damaged.

⑤ EXTREME WEAR-RESISTING TECHNOLOGY PROJECT CASE



DELIVERY CYLINDER

The inner layer is plated with chrome and its service life can reach to above 100, 000m³ due to the good wear resistance.



GLASS PLATE/CUTTING RING

Made of rigid alloy with special process, extending service life.

SPECIFICATIONS

Performance

ITEMS	UNITS	SP50.10.60D
Max.Theo.Output(Low/High)	m ³ /h	49/26
Max. Concrete Pressure (Low/High)	MPa	5/10
Distribution Valve	/	S Valve
Concrete Cylinder (Bore X Stroke)	mm	Diameter 180x1200
Hopper Size (CapacityxFeeding Height)	m ³ xmm	0.5x1335
Max.Theo.Delivery Vertical Height	m	135
Max.Theo.Delivery Horizontal Distance	m	550
Outlet Diameter	mm	DN 180

Power system

ITEMS	UNITS	SP50.10.60D
Engine	/	CUMMINS 4BTA3.9-C80
Rated power	kW	60
Rated Speed	r/min	2300
Min.Speed	r/min	800
Type of cooling	/	Water cooling

Hydraulic system

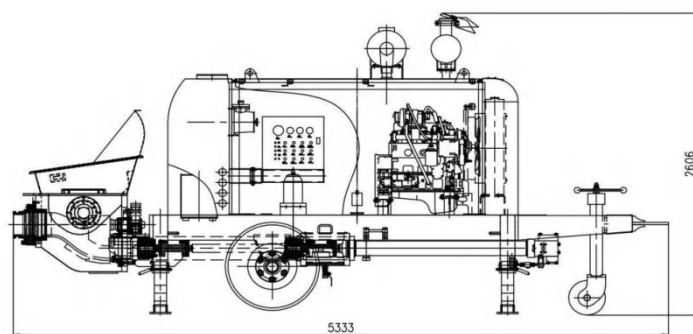
ITEMS	UNITS	SP50.10.60D
Hydraulic Pump	/	KAWASAKI
Main Valve & Control Valve	/	Rexroth / EATON
Type of circuit	/	Open
Pumping Pressure	MPa	32
Distribution Pressure	MPa	19
Mixing Pressure	MPa	14
Max.mixing Speed	r/min	32
Hydraulic Oil Tank Capacity	L	350
Fuel Tank Capacity	L	105
Main Oil Pump Displacement	ml/r	80
Type of cooling	/	Air cooling

Others

ITEMS	UNITS	SP50.10.60D
Dimensions(LxWxH)	mm	5333X1840X2560
Total Weight	kg	4100
Diameter of Delivery Pipe	mm	Φ125/Φ150
Max.Diameter of Aggregate	mm	Pebble 50, Crushed stone40
Reversal Mixing	/	Manual
Supporting wheel & L-H Pressure Switch	/	Manual
Lubrication System	/	Double pump, progressive oil separator

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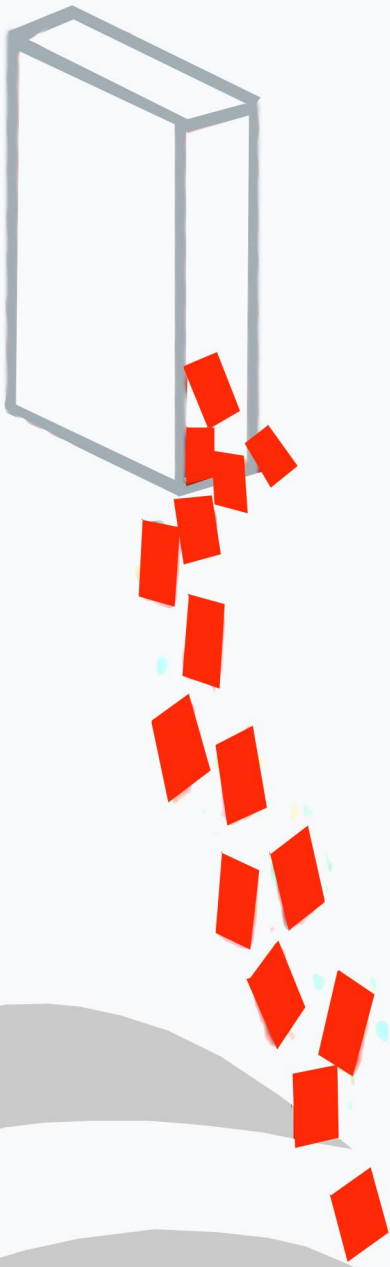


SP50.10.60D

HIGHLIGHTS

- ★ High Configuration with International well-known brand components.
- ★ Tungsten steel glasses plate and cutting ring, which permits longer life.
- ★ Hydraulic legs facilitate pump positioning.
- ★ High and low pressure switching valve, you can adjust the working status of the pump at will just by pulling the handle.
- ★ The concrete piston can be returned to the cleaning tank, making it easier to repair and replace the piston.

Note: Actual unit may vary from the picture and specification as shown.



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