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JH50 Concrete pump truck

Keywords: concrete pump truck,boom concrete pump

JH50 concrete pump truck is popular small model researched and developed by our company after our HBT series trailer-mounted concrete pumps, HBC series truck-mounted concrete pumps and HGY series hydraulic concrete placing booms. They are the top-choice concrete equipment, which are widely used in tunnel, airport, seaport, high-speed rail site, beam field, bridge construction projects and so on.

JH50 concrete pump truck structure and advantages

1. Chassis and Power System

Chassis is DONGFENG brand, strong carrying capacity, good dynamic performance and low fuel consumption.

Emission system is up to EURO III standard, low noise and easy to repair.

Oil pumps adopt constant power technology with reasonable power collocation to the engine.



2. Jib structure system

It is based on the finite element analysis, dynamic analysis and test, and the accurate data support.

High strength low alloy steel plate, all materials and welding line by 100% non-destructive technology ensure the jib structure reasonable and highly reliable.

"R" type arms with speed stepless adjustment, pressure compensation and load sensing proportion control system ensure the arm running freely and excellent operating performance.



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3. Hydraulic System

Rexroth brand oil pumps and valves ensure the concrete pump truck high efficiency, long service life, high stability and excellent continuous working performance. Oil pipes imported from Italy and Joints imported from Germany with superior performance enlarge the system flows and avoid oil leakages.



Pumping system is open circuit, no shock, no peak value and ideal temperature control.

Oil cylinder piston rod seals adopt imported combined seals with good sealing effect and strong waterproof performance. Piston seals adopt multiple durable piston rings.

Swing oil cylinders adopt piston cylinders sealed by OK seals with good sealing and buffering effects, ensuring long time and stable working.



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Lubricating system adopts fully automatic oil supply and multiple filtration technology, effectively extending the service life of wearing parts.

Oil pumps on arms adopt axial piston pumps with load sensing variable. The output could be according to the actual working needs, reducing power loss and system heating.

4. Electric Control System

Schneider relay imported from France, high reliability and automation.

Panel control and wireless remote control devices are both equipped and easy to operate. HBC or Appollo remote controller imported from Germany accord with the principles of human engineering design with beautiful shape, easy operation and flexibility.

Multiple alarming devices ensure machine working with high security.

Oil energy-saving control: Energy-saving control technology, researched and developed by our company, ensures the output power of engine matching automatically along with load changing, making fuel loss to a minimum.

Friendly man-machine interface: High humanized man-machine interface could quickly enter the information page you want to browse and get all the information you need.

Safe operation control technology: Effective error-proof operation control design ensures the system more reliable and safe.

GPS satellite positioning System and Management System of GPRS remote monitoring equipment working: Precise positioning and full range of data monitoring & managing could make you be able to know and control the equipment working conditions. (Optional)



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JH50 concrete pump truck main technical parameters

	Item	Unit	Parameter		
Pumping System	Model		JH5018	JH5021	JH5025
	Max. Output	m³/h	50	50	50
	Max. outlet pressure (H/L pressure)	Mpa	13/7.6	13/7.6	13/7.6
	Rated working pressure	Mpa	31.5	31.5	31.5
	Pumping frequency (H/L pressure)	times/min	14/23	14/23	14/23
	Hopper capacity	m3	0.65	0.65	0.65
	Feeding height	mm	1500	1500	1500
	Hydraulic system type		Open circuit	Open circuit	Open circuit
	The type of distribution valve		S VALVE	S VALVE	S VALVE
	Oil cylinder diameter	mm	DN125	DN125	DN125
	Concrete cylinder diameter	mm	DN200	DN200	DN200
	Hydraulic oil cooling		Fan cooling	Fan cooling	Fan cooling
Jib Structure System	Max. placing height	m	18	21	25
	Rotary angle	°	365	365	365
	Arm foldable angle	°	90/180/360	90/180/360	90/180/360/540
	Arms section quantity	section	3	3	4
	Wheelbase	mm	4700	4700	4700
	Power of engine	kw	132	132	140
	Rated speed of engine	rpm	2200	2200	2200
	Total weight of vehicle	kg	14000	14500	15500
	Overall dimension of vehicle (L*W*H)	mm	9350×2500×350 0	9450×2500×353 5	9650×2500×353 5
Others parameter	Hydraulic oil hopper capacity	L	300	300	300
	Water tank capacity	L	300	300	300
	Lubricating mode		Centralized automatic	Centralized automatic	Centralized automatic
	Control mode		Manual and Remote control	Manual and Remote control	Manual and Remote control

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