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HBC truck mounted concrete pump

Keywords: truck-mounted concrete pump,trailer-mounted concrete pump

HBC Truck mounted concrete pump used for construction projects and having more advantages than others concrete pump trucks, such as flexible and mobile than trailer-mounted concrete pump, no need of transportation, loading and unloading, and fixed installation.

Compared with trailer-mounted concrete pump, the advantages of truck-mounted concrete pump have

1. Combines the superiority of trailer-mounted concrete pump and concrete pump truck, which is more flexible and mobile than trailer-mounted concrete pump.
2. No need of transportation, loading and unloading, and fixed installation.
3. Stronger pumping performance and faster pumping speed. Compared to the concrete pump truck
4. it enjoys the advantages of small footprint, low price, high pumping height and distance, cost-effective etc. It is suitable for small production, multi-site, complex construction environment and other conditions.
5. Truck mounted concrete pump can choose diesel or electricity as energy flexibly, which can not only be connected to an external power supply by using top motor, but also use top diesel engine to finish pumping operation, select the power according to the actual situation.
6. Models: HBC50-12-56,HBC-100-13-162RS
7. The concrete pump is manufactured, designed and tested in accordance with international specifications, industrial standards or customer's requirements.

HBC Truck mounted concrete pump images



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trailer pump



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Truck-mounted concrete pump features:

1. Adopt domestic famous Chassis brand Dongfeng, Wuzheng or Aochi, which is mature, reliable, powerful and economic.
2. Tops power can choose diesel or electric motor to meet the needs of different working conditions.
3. Hydraulic system: Exclusive double open hydraulic loops system, with interaction makes the machine life longer.
4. Power system: Adopt domestic famous engine brand, which has the characteristic of high cost performance, strong power, energy saving and repair timely.
5. Pumping system: The S-shaped reversing valves, hard alloy eyeglass plates and cutting rings, rubber springs which can automatically compensate the clearances between end faces all ensure a proper sealing property.
6. Control system: Wired and wireless remote control ensures the flexibility, convenience, reliability and safety of the equipment.
7. The automatic lubrication of the hopper and the concrete cylinder makes the pumping work smooth and easy.
8. The high-pressure cleaning system makes vehicle cleaning simple and easy.

HBC truck mounted concrete pump main technical data

Item		Unit	Models and Parameters	
			HBC50-12-56	HBC-100-13-162RS
Driving System	Chassis Brand/ Model		WUZHENG / Aochi1 1800	DONGFENG Brand /DFL 1120B
	Fuel Type		Diesel	Diesel
	Displacement / Power	KW	85	4.5/132
	Displacement Standard		GB3847/GB17691 National Standard III	GB3847/GB17691 National Standard III GB20891-2007
	Tyre Model		7.50	9.00
	Axle Base	m	3.66	4.7
	Qty. of Axles		2	2
	Max. Driving Speed	Km/h	60	90

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	Wheel Base (front/back)	mm	1530/1600		1880/1800	
Pump ing Syste m	Brand of Diesel Engine		Tianjin LOVOL		WEICHAI Brand	
	Diesel Engine Model / Power	KW	1004-4CP01/56		YC6108ZGB/162	
	Driving Mode		Hydraulic Driving		Hydraulic Driving	
	Main Pump		HanChuan Single Pump 112/140		Rexroth 190	
	Oil Cylinder Inner Diameter × Stroke	mm	Φ125×Φ80×1200		Φ150×Φ100×1650	
	Concrete Cylinder Inner Diameter × Stroke	mm	Φ200×1200		Φ230×1650	
	Oil Pressure of System	MPa	32		32	
	Switch of H-pressure and L-pressure		Equipped		Equipped	
	Theoretical Pumping Pressure	Mpa	H-pressure	12	H-pressure	13.5
		Mpa	L-pressure	4	L-pressure	7.5
	Theoretical Pumping Frequency	/min	H-pressure	8	H-pressure	13.5
		/min	L-pressure	18	L-pressure	24.5
	Theoretic Pumping Distance	m	Max. Vertical	120	Max. Vertical	120
		m	Max. Horizontal	300	Max. Horizontal	300
	Fuel Tank Capacity	L	180		290	
Hydraulic Oil Tank Capacity	L	200		600		
Cooling Mode Of Hydraulic System		Fan Cooling		Fan Cooling		
Max. Theoretical Capacity	m3/ h	H-pressure	20	H-pressure	55	

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		m3/h	L-pressure	50	L-pressure	100
Pumping Distance (H-pressure)	Max. Theoretical Horizontal	m	125A pipe	300	125A pipe	880
	Max. Theoretical Vertical	m	125A pipe	120	125A pipe	220
Hopper Capacity		m3	0.6		0.6	
Feeding Height		mm	≤1300		≤1350	
Concrete Slump		cm	14~23		14~23	
Max. Aggregate Diameter		mm	Crushed stone : 40 / Pebble: 50		Crushed stone : 40 / Pebble: 50	
Valve Type			S Valve		S Valve	
Lubrication Mode			Automatic		Automatic	
Overall	Length ×Width × Height (mm)	mm	7200×2100×2750		8754×2470×2760	
Full-load Total Weight		Kg	6500		12000	

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