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FANGYUAN GROUP

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BUILD A BETTER HOME
共筑美好家园

泵系列产品 Concrete pump series of products

混凝土泵 CONCRETE PUMP | 砂浆泵 MORTAR PUMP | 矿井泵 MINE CONCRETE PUMP | 车载泵 AUTOMOTIVE PUMP

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HBTS
系列混凝土输送泵

HBTS40-10-75 HBTS60-13-90 HBTS80-16-132 HBTS80-16-181

产品特点

- 自动润滑系统，确保设备长时间连续运转；
- 优质配件，备件电子清单，选择准确快捷，为您免去后顾之忧；
- 对整机及关键结构件采用三维设计、有限元分析，获得更高的安全性能；
- 吸入效率高，比同行业平均水平高出10%；
- 高低压一键转换，可随时切换，无泄漏，无污染；
- 全二通插装阀换向专利技术，辅以独立的冷却、过滤系统，液压系统油温低、冲击小、寿命长；
- 智能电控系统，柴油机调速计算机自动控制技术，节能环保。

Product features.

- Automatic lubrication system ensures long successive running time.
- High-quality parts, spare parts electronic list, make the selection fast and accurate.
- Three-dimensional design, finite-element analysis to the key structure parts, obtaining higher safety performance.
- Inhalation efficiency high, 10% higher than the industrial average level.
- One-key switch between high pressure and low pressure , allows switch at any time, featuring no leakage and no pollution.
- Two-way cartridge valve patent technology, assisted with independent cooling system and filtration system, low oil temperature, small impact to the hydraulic system, prolongs the service life.
- Intelligent control system, computer automatically control technology for diesel engine speed, energy saving and environmental friendly.

项目Item		单位Unit	HBTS40-10-75	HBTS60-13-90	HBTS80-16-132	HBTS80-16-181
理论输送量 Theoretical output	高压Piston side	m^3/h	45	37	45	50
	低压Rod side			74	80	95
理论输送压力 Theoretical pressure on concrete	高压Piston side	MPa	9.8	12.5	15.7	15.7
	低压Rod side			7.3	9.2	9.2
可泵送砼规格 Specification of pumpable concrete	坍落度Slump constant	mm	80-230,最适宜160-200，80-230，Optimum 160-200			
	骨料粒径Aggregate size	mm	卵石≤40，碎石≤30，pebbles≤ 40，Macadam≤30			
料斗 Charging hopper	容积 Capacity	L	400	500	500	500
	离地高Height	mm	1375	1375	1375	1375
分配阀形式The mode of distribution			"S"管阀 "S"valve			
油箱容积Oil tank capacity		L	400	500	500	500
电动机 Electromotor	型号Type		Y280S-4	Y280M-4	Y315M-4	BF6M1013
	功率Power	kW	75	90	132	181
输送管径Pipe diameter		mm	φ125	φ125	φ125	φ125
输送管清洗方式Pipe cleaning mode			压缩空气或高压水洗Compressed air or water washing			
外形尺寸（长×宽×高） Dimensions（L×W×H）		mm	4860×1830×2000	6440×2060×2150	6440×2060×2150	6770×2060×2500
主机质量Weight		kg	4500	6300	6500	7150
砼缸径×行程Concrete cylinders diameter×stroke		mm	φ180×1220	φ200×1800	φ200×1800	φ200×1800

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FYG5120THB
车载式混凝土泵车

FYG5120THB

产品特点

- 带中冷、涡轮增压柴油发动机为混凝土泵单独提供强劲动力；
- 自动润滑系统，确保设备长时间连续运转；
- 全二通插装阀换向专利技术，辅以独立的冷却、过滤系统，液压系统油温低、冲击小、寿命长；
- 智能电控系统，柴油机调速计算机自动控制技术，节能环保；
- 采用恒功率变量柱塞泵，充分利用原动机的动力，泵送回路独立供油，能够实现远距离、大排量高压泵送；
- 阀箱体采用整体焊接结构，刚性好，眼镜板和耐磨环采用超硬耐磨合金，耐磨性好，大幅延长其使用寿命；
- 高低压一键转换，可随时切换，无泄漏，无污染。

Product features

- Diesel engine with middle-cooler and turbocharged, provides strong power independently for the concrete pump.
- Automatic lubrication system ensures long successive running time.
- Two-way cartridge valve patent technology, assisted with independent cooling system and filtration system, low oil temperature, small impact to the hydraulic system, prolongs the service life.
- Intelligent electronic control system, computer automatically control technology for diesel engine speed, energy saving and and environmental friendly.
- Constant power variable pump can adjust the output automatically. The pumping loop single provides oil, thus the energy can be fully used. It can realize long-distance, high pressure pumping.
- Valve case is overall welding structure. The super anti-weary plates and cutting rings made of hard alloy, greatly prolong service life of weary parts.
- One-key switch between high pressure and low pressure, allows switch at any time, featuring no leakage and no pollution.

项目Item			单位Unit	FYG5120THB
整车参数 Vehicle parameters	全长Length		mm	8840
	总宽 Width		mm	2460
	总高Height		mm	2880
	总重Weight		kg	12095
	轴距Wheelbase		mm	4700
技术参数 Technical parameters	理论输送压力 Theoretical pressure on concrete	高压Piston side	MPa	18
		低压Rod side	MPa	11.5
	理论输送量 Theoretical output	高压Piston side	m^3	60
		低压Rod side	m^3	95
	砼缸 Concrete cylinders	内径Concrete cylinders diameter	mm	200
		行程Stroke	mm	1600
	料斗容积Charging hopper Volume		m^3	0.5
	上料高度Charging Height		mm	1450
	分配阀形式 The model of distribution valve			"S"管阀 "S"valve
	发动机额定功率 Engine rate power		KW	181
底盘参数 Chassis parameters	底盘品牌 Chassis brand			福田Foton
	底盘型号Chassis model			BJ5163GLFFG-S
	发动机型号 Engine model			CA4DF3-17E3
	发动机功率 Engine power		KW	132
	排放标准Emission standard			国 III National-III
	设计最高速度 Max. speed		km/h	90

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SJBS15-05-28
砂浆搅拌输送机
出料

SBS
系列砂浆泵

SBS15-05-22 SBS20-08-30

产品特点

- 搅拌系统采用自落式双锥反转出料搅拌机构，生产效率高、搅拌质量好；
- 搅拌筒采用齿圈传动，传递效率高，故障率低，保养简单；
- 先进的S管阀系统，密封性能好，易损件经济耐用，更换方便；
- 控制方式用电－液控制，操作简便、运转平稳、噪音低，具有完善的电－液过载保护及仪表显示系统；
- 具有反泵操作机能，运行安全可靠，容易排除堵塞故障，维修方便。

Product features

- Mixing system adopts JZC350 concrete mixer, high production efficiency, good mixing quality.
- Ring gear drive, high efficiency, low failure rate, simple maintenance.
- Advanced S-tube valve system, good sealing performance, structure is simple and reliable.
- Electric - hydraulic control mode, easy to operate, smooth running, low noise; Instrument displays of electric - hydraulic overload protection system.
- Reverse-pump operating function, easy to troubleshoot a blocking problem , convenient to maintain.

项目Item		单位Unit	SBS15-05-22	SBS20-08-30
理论输送量 Theoretical output		m^3/h	15	20
理论输送压力 Theoretical pressure on concrete		MPa	5.5	7.8
骨料粒径 Aggregate size		mm	≤20	≤20
砼缸径×行程 Concrete cylinders diameter×stroke		mm	φ140×800	φ140×800
上料高度 Charging Height		mm	950	1140
电动机 Electromotor	型号Type		Y180L-4	Y200L-4
	功率Power	kW	22	30
输送管径 Pipe diameter		mm	Φ80	Φ80
外形尺寸(长×宽×高) dimensions（L×W×H）		mm	3340×1320×1480	3650×1610×1810
主机质量Weight		kg	1580	2740

SJBS15-05-28

产品特点

- 采用先进的S管形式的分配阀，满足细骨料混凝土的泵送需求；
- 阀箱体采用整体焊接结构，刚性好，耐磨眼镜板与切割环采用硬质合金，密封性能好，易损件经济耐用，更换方便；
- 液压系统电液控换向，换向冲击小，可靠性更高；
- 可靠密封装置设计，结构设计合理，密封性能好。

Product features

- Advanced S-tube valve system, meet with the need of fine aggregate concrete pumping.
- Valve case is overall welding structure . The super anti-weary plates and cutting rings made of hard alloy, greatly prolong the service life the weary parts.
- Hydraulic system adopts electro-hydraulic control system. Easy to operate with low noise and small vibration.
- Reliable sealing device, design a rational structure, good sealing performance.

项目Item		单位Unit	SJBS15-05-28
搅拌系统 Mixing system	进料容量Charging capacity	L	560
	出料容量Discharging capacity	L	350
	生产率Productivity	m^3/h	15
泵送系统 Pumping system	理论输送量Theoretical output	m^3/h	15
	理论输送压力Theoretical pressure on concrete	MPa	5.5
	分配阀The mode of distribution		S管阀 Svalve
	输送管径Pipe diameter	mm	φ80
	输送管清洗方式Pipeline cleaning mode		压缩空气或高压水洗 Compressed air or water washing
整机总功率 Power of machine		kW	28
最大拖行速度 Max. drag speed		km/h	15
外形尺寸(长×宽×高) Dimensions（L×W×H）		mm	4610×2200×3010
整机质量Weight of machine		kg	3200

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HBMD
系列煤矿用混凝土泵

HBMD-40/10-110S HBMD-90/16-180S

产品特点

- 国内首创，性能可靠，与国外设备相比，具有输送大骨料混凝土的优势；
- 采用双隔爆型三相异步电动机驱动，可靠性好、动力强劲；
- 主油泵采用恒功率变量柱塞泵，可充分利用原动机功率；
- 整机结构紧凑，拆卸方便，便于运输，维护和保养；
- 分配阀采用S管阀，混凝土流动性好，输送阻力小，阀箱体采用焊接结构，刚性好，强度高；
- 眼镜板和耐磨环采用硬质合金，耐磨性好，且更换方便，耐磨环具有磨损后自动补偿间隙功能；
- 液压系统液控换向，换向冲击小，逻辑性好；
- 采用独立的水冷却器冷却系统，冷却功率大，降温效果好；
- HBMD-90/16-180S 具有低压大排量和高压小排量两种工作方式。

Product features

- Advantage of large aggregate concrete conveying compared with the same type equipment.
- Adopt double explosion-proof three-phase asynchronous motor, it is good reliability and strong power.
- Constant power variable pump can adjust the output automatically.It can realize long-distance, high pressure pumping.
- Compact structure, convenient for dismantling; easy to transport and maintenance.
- Valve case is overall welding structure . The super anti-weary plates and cutting rings made of hard alloy, greatly prolong service life of weary parts.
- Hydraulic system adopts electro-hydraulic control system. Easy to operate with low noise and small vibration.
- It adopts independent water cooling system, cooling effect is good.
- HBMD-90/16-180S has high pressure or low pressure working mode.

项目Item		单位Unit	HBMD-40/10-110S	HBMD-90/16-180S
理论输送量 Theoretical output	高压piston side	m^3/h	40	70
	低压Rod side	m^3/h		95
理论输送压力 Theoretical pressure on concrete	高压Piston side	MPa	10	15.7
	低压Rod side	MPa		9.4
分配阀形式The mode of distribution			"S"管阀 "S"valve	
混凝土缸 Concrete cylinders	内径Concrete cylinders diameter	mm	180	230
	行程stroke	mm	1200	2100
料斗 Charging hopper	容积 Capacity	L	300	500L
	离地高Height	mm	800	1330
输送管径Pipe diameter		mm	φ125	φ125
可泵送砼规格 Specification of pumpable concrete	坍落度Slump constant	mm	80-230	80-230
	骨料粒径Aggregate size	mm	卵石(Prebbles)≤40 碎石(Macadam)≤30	
电动机 Electromotor	型号Type		YBK2-315S-4	YBK2—280M—4
	功率Power	kW	110	90×2
外形尺寸（长×宽×高） Dimensions（L×W×H）		mm	8000×1400×1750	6740×1750×2210
主机质量Weight		kg	8500	9100
搅拌机mixer	搅拌轴转速stirring shaft speed	r/min	60	无
	叶片最远处线速度most distan lade line speed	m/s	2	无
	最大连续生产率Max. continuous productivity	m^3/h	40	无