XCMG

V7 DURABLE SERIES

混凝土泵车

TRUCK MOUNTED CONCRETE PUMP

XCMG | Machmall.com

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德国技术
GERMAN TECHNOLOGY

专业、极致，源自德国施维英的顶级技术

Specialty and acme originates from the top-level technology of SCHWING Germany

中国制造
MADE IN CHINA

落地德国制造高标准，实现产品的高可靠、超耐用

By implementing the high standard of German-made realizes highly reliable and durable products.

卓越品质
EXCELLENT QUALITY

用心设计，细节彰显尊重，品质赢得未来

Carefully designed, details demonstrates respect and quality wins the future.

V7 DURABLE SERIES

技术全面升级

COMPREHENSIVELY UPGRADED TECHNOLOGY

V7系列混凝土泵车

XCMG V7 SERIES TRUCK MOUNTED CONCRETE PUMP

- **极致安全臂架**
  Ultimately safe boom
- **高刚性下车结构**
  Lower structure of high rigidity
- **高效裙阀泵送系统**
  Efficient pumping system of rock valve
- **卓越性能液压系统**
  Hydraulic system of outstanding performance
- **智慧控制系统**
  Intelligent control system
- **超长寿命易损件**
  Easy-wear parts with super-long service life
- **匠心独具的细节**
  Unique and ingenious details

DURABLE

ADVANCED

全方位技术手段臂架更安全、更可靠

All-around technical methods are used to make boom safer and more reliable.

- 基于高可靠理念设计，臂架全工况仿真计算与测试，德国制造工艺，臂架结构更安全；
- The design idea of high reliability, boom full-working condition simulation calculation and testing, and German manufacturing technology ensure safer structure of the boom;

臂架结构破坏性测
Destructive test of boom structure

德国制造工艺应用
Application of German manufacturing technology

臂架100%UT探伤
100% UT flaw detection for boom

新一代微控技术，臂架操作更平稳、更精准

A new generation of micro-control technology is used to make boom operation steadier and more accurate.

- 高精度电液比例智能控制技术，微操控更精准。
- High precision electro-hydraulic proportional intelligent control technology realizes more precise micro-control.

CAN型遥控器
CAN Remote controller

新一代控制器
A new generation of controller

闭环控制 + 斜坡控制
Closed loop control+ Slope control

CAN型多路阀
CAN multiway valve

N O.1

ULTIMATELY SAFE BOOM

极致安全臂架

- 采用仿生技术优化的的全新多节臂设计，有效减少布料盲区，更适应高层、狭小空间布料。
- The adoption of new multi-section boom design optimized by bionic technology effectively reduces placing blind zone and better adapts to placing in high-rise and narrow space.

NO.2

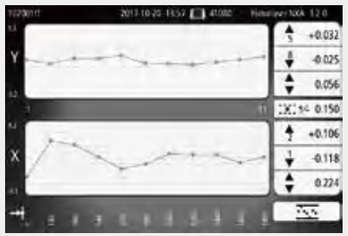
LOWER STRUCTURE OF HIGH RIGIDITY

高刚性下车结构

弧形支腿结构
ARC-SHAPED STABILIZER STRUCTURE

- 伸缩机构简单，故障点少，可靠性高。
- Simple telescoping structure realizes few fault points and high reliability.
- 下车刚性更强，整车工作稳定性更高。
- Chassis of higher rigidity improves overall work stability.

- 基于高刚性结构设计理念，全工况载荷模拟计算与测试，下车结构变形更小，整车工作稳定性更高。
- On the basis of the design concept of high rigidity structure, simulative calculation and testing of full-work-condition loading make chassis structure deformation smaller and overall work stability higher.



- 基于激光引导的同轴装配，活塞头运行轨迹更精确，阻力更小，效率更高。
- Based on laser guide, coaxial assembly makes piston head's moving track more precise, with smaller resistance and higher efficiency.

国际专利的
裙阀技术

INTERNATIONALLY PATENTED ROCK VALVE TECHNOLOGY

NO.3

EFFICIENT PUMPING SYSTEM OF ROCK VALVE

高效裙阀泵送系统

易泵送；
Easy pumping;

轴端寿命更长；
Longer service life of shaft-end;

流道更平缓，阻力更小，油耗更低；
Gentler passageway, smaller resistance and lower oil consumption;

搅拌更充分，吸收效率更高；
More uniform agitation and higher absorption efficiency;

单边磨损，使用寿命更长；
One-side wear prolongs service life;

敞口式结构，易于修复，使用成本更低。
Open-mouth structure is easy for repair, lowering use cost.

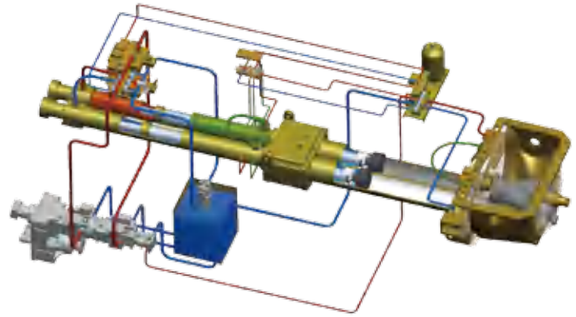
NO.4

HYDRAULIC SYSTEM OF OUTSTANDING PERFORMANCE

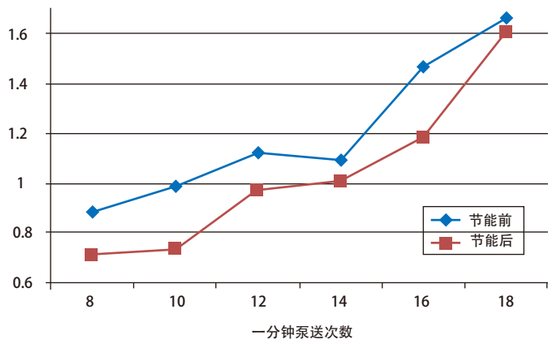
卓越性能液压系统

- MPS（微冲击）换向缓冲技术;
- MPS (micro shock) reversing buffering technology;
- 缓冲过程更稳定、更可靠、冲击更小;
- The buffering process is steadier and more reliable, with smaller impact;
- 换向时间缩短到0.1S以内，效率提升6%以上。
- The reversing time is shortened to be less than 0.1s and the efficiency is improved by more than 6%.

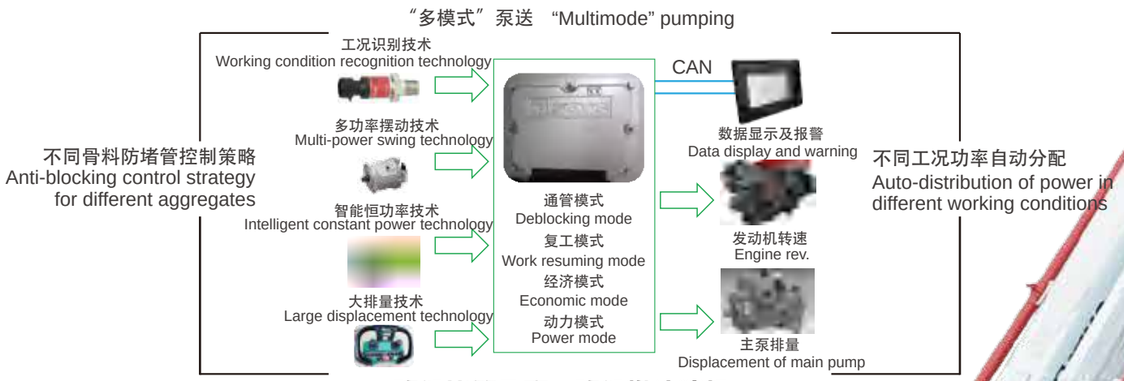
- 德国施维英液压技术精髓，真正实现全液压换向，换向过程实现全液压闭环自适应控制，无需任何电气元件参与，更高效、更稳定、零污染。
- SCHWING Germany's hydraulic technology quintessence truly realizes fully-hydraulic reversing, in which self-adaption control in fully-hydraulic closed-loop is realized, with no need for any electrical components, more effective, steadier and zero-pollution.



- 超低压损液压系统配合高效裙阀泵送系统，结合基于节油的功率匹配控制系统，面对不同混凝土都可以使泵送系统充分吸收发动机功率，不浪费每一滴燃油，平均油耗低至0.362L/m³。
- Ultra-low pressure loss hydraulic system, coordinated with efficient rock valve pumping system and power matching control system for oil-saving can help pumping system fully absorb engine power regardless of different concrete, without wasting a dip of fuel, and the average oil consumption is as low as 0.362L/m³.



智能泵送系统
INTELLIGENT PUMPING SYSTEM



降低堵管几率，降低燃油消耗

Pipe blocking probability and fuel consumption are reduced.

分动箱防打齿保护技术
TRANSFER CASE'S GEAR COLLISION PROTECTION TECHNOLOGY

- 智能程序控制，转速监测、双行程逻辑保护，确保0转速切换，机械到位，彻底规避分动箱打齿损伤。
- Intelligent program control, rotary speed monitoring and dual-stroke logical protection ensure switchover at zero rotary speed and mechanics in proper place, thoroughly evading gear collision damage of transfer case.

NO.5

INTELLIGENT CONTROL SYSTEM
智慧控制系统

- 分区更清晰、界面更简洁、操作更简单
- Clearer partition, more conciseinterface and simpler operation

人机交互
Human-computer interaction

- 泵送、油耗信息统计
- Statistics of pumping and oil consumption data
- 维护保养计划显示
- Display of maintenance plan

智能管理
Intelligent management

- 实时数字化监控设备运行
- Real-time digitalized monitoring of equipment running
- 维引导式维修、远程会诊
- Guided repair and remote consultation

故障诊断
Fault diagnosis

- 车、机同屏场景操作指导
- Operation guidance on display of vehicle and phone on the same screen
- 一键报修、培训、保养
- One-key report for repair, training and maintenance

增值服务
Value-added service

操作管理，更便捷、更省心

Operation management is more convenient and reassuring.

智能润滑系统控制技术
INTELLIGENT LUBRICATION SYSTEM CONTROL TECHNOLOGY

- 智能程序控制，为泵送系统提供精确润滑方案；
- Intelligent program control provides accurate lubrication scheme for pumping system;
- 带润滑点堵塞监测，实时故障报警，规避次生损失。
- It provides lubricating point blockage monitoring , which can realize real-time fault warning and avoid secondary loss.

NO.6

EASY-WEAR PARTS WITH SUPER-LONG SERVICE LIFE

超长寿命易损件

- 加强型裙阀、整体式合金切割环、高耐磨双层泵管，易损件寿命更长。
- Reinforced rock valve, one-piece alloy cutting ring and highly wear-resisting double-layer pumping pipe prolong the service life of easy-wear parts.

全新一代耐磨件

A bran-new generation of wear parts

提升**30%**

Improve by 30%

- 增强型拨料翅翼结构防积料，搅动更充分
- Reinforced stirring wing structure prevents aggregate from accumulating and makes agitating better.

- 全合金易损件，持久耐用
- Reinforced stirring wing structureprevents aggregate from accumulating and makes agitating better.

- 精细化、平顺化耐磨层，阻力更小
- Fine and smooth wear-resisting layer produces less resistance.

- 柔性自润滑活塞总成，阻力更小，寿命更长
- Flexible self-lubricating piston assembly has less resistance and longer service life.

新结构，新工艺，新材料

New structure, new process and new materials

NO.7

UNIQUE AND INGENIOUS DETAILS

匠心独具的细节

更便捷的维修保养	Easier repair and maintenance
更舒适的使用体验	More comfortable use experience
更多细节……	More details……

开放式布局
OPERATION PROMPT DETAIL

低维护设计理念
AUTOMATIC COMPENSATION OF WEAR RING

操作指示细节
OPERATION PROMPT DETAIL

耐磨环自动补偿
AUTOMATIC COMPENSATION OF WEAR RING

液压系统防吸空保护
HYDRAULIC SYSTEM'S AIR SUCTION PROTECTION

发动机过载保护
ENGINE OVERLOAD PROTECTION

主泵过载保护
MAIN PUMP OVERLOAD PROTECTION

贴心的人机交互
CHAIN-TYPE SNAP RING EASY FOR ASSEMBLY AND DISASSEMBLY

整车五防设计（防松\防水\防漏\防锈\防积料）
AUTOMATIC REVERSE AGITATING PROTECTION

易拆装链式卡环
CHAIN-TYPE SNAP RING EASY FOR ASSEMBLY AND DISASSEMBLY

自动反搅功能保护
AUTOMATIC REVERSE AGITATING PROTECTION

发动机低速保护
ENGINE LOW-SPEED PROTECTION

自动集中稀油润滑
AUTOMATIC CENTRALIZED THIN OIL LUBRICATION

活塞自动退回技术
PISTON'S AUTOMATIC RETURN TECHNOLOGY

参数
Parameter table

类别 CATEGORY	项目 ITEM	单位 UNIT	HB30V	HB37V	HB39V	HB43V	HB50V	
整机 Overall	外形尺寸Outline dimension	mm	10190×2500×3700	9900×2525×3850	11100×2500×3850	11160×2500×3990	12740×2530×4000	12600×2530×4000
	整机重量Oerall weight	kg	20000	23000	27200	31000	34000	35000
	品牌Brand	--	重汽 Sinotruk	重汽 Sinotruk	重汽 Sinotruk	重汽 Sinotruk	重汽 Sinotruk	奔驰 Benz
底盘 Chassis	型号Model	--	ZZ5207M521GE1	ZZ5231N521GE1	ZZ5347V524HE1	ZZ5347V524HC1	ZZ5347V524HE1	Actros3341 E5
	轴距Wheelbase	mm	5200	5200	4800+1400	4800+1400	4800+1400	4800+1350
	最大净功率 Max.power	kW	203	225	294	287	294	300
发动机 Engine	尾气排放标准 Emission	--	国V ChinaV	国V ChinaV	国Ⅴ ChinaV	国Ⅲ ChinaⅢ	国Ⅴ ChinaV	国Ⅴ ChinaV
	理论输送量 Theoretical	m^3/h	100	120/80	130	170	170	
泵送系统 Pumping system	泵送混凝土压力 Concrete pumping pressure	MPa	8	8.7/13	8	8	8	
	理论泵送次数 Theoretical pumping times	次/min	25	28~30/18~20	24～27	23～26	23～26	
	输送缸内径×行程 Delivery cylinder diameter ×stroke	mm	φ230×1600	φ230×1600	φ230×2000	φ260×2000	φ260×2000	
布料杆 Placing boom	布料杆可达高度Reach height	m	29.6	36.5	39.1	43	49.1	
	布料杆可达深度 Reach depth	m	18	24.9	26.8	29	34.4	
	布料杆回转半径 Slewing radius	m	25.7	32.5	35.1	37.3	44.2	
	布料杆回转角度 Slewing angle	°	360	360	±270	±270	±270	
其它Others	配料型式 Transfer tuble	--	裙阀 Rock valve	S阀	裙阀 Rock valve	裙阀 Rock valve	裙阀 Rock valve	

类别 CATEGORY	项目 ITEM	单位 UNIT	HB52V		HB58V		HB62V		HB67V
整机 Overall	外形尺寸Outline dimension	mm	13040×2530×4000	12900×2530×4000	14570×2530×3990	14300×2530×4000	15610×2530×3990	14600×2530×4000	15780×2500×4000
	整机重量Oerall weight	kg	34000	35000	44000	44000	44000	44000	53000
	品牌Brand	--	重汽 Sinotruk	奔驰 Benz	重汽 Sinotruk	奔驰 Benz	重汽 Sinotruk	奔驰 Benz	奔驰 Benz
底盘 Chassis	型号Model	--	ZZ5347V524HE1	Actros3341 E5	ZZ5447V466HE1	Actros4141E5	ZZ5447V466HE1	Actros 4141E5	Actros 5046E5
	轴距Wheelbase	mm	4800+1400	4800+1350	2500+4300+1400	2300+4000+1350	2500+4300+1400	"2020+4280+1350/ 2300+4000+1350"	2020+5180+1350+1450
	最大净功率 Max.power	kW	294	300	294	300	294	300	335
发动机 Engine	尾气排放标准 Emission	--	国Ⅴ ChinaV	国Ⅴ ChinaV	国Ⅴ ChinaV	国Ⅴ ChinaV	国Ⅴ ChinaV	国Ⅴ ChinaV	国Ⅴ ChinaV
	理论输送量 Theoretical	m^3/h	170		170		170		170
泵送系统 Pumping system	泵送混凝土压力 Concrete pumping pressure	MPa	8		8		8.6		8
	理论泵送次数 Theoretical pumping times	次/min	23～26		21～23		22～24		21～23
	输送缸内径×行程 Delivery cylinder diameter ×stroke	mm	φ260×2000		φ260×2200		φ260×2200		φ260×2200
布料杆 Placing boom	布料杆可达高度Reach height	m	51.2		57.5		61.1		66.1
	布料杆可达深度 Reach depth	m	36.1		40.5		43.6		48.6
	布料杆回转半径 Slewing radius	m	46		52.5		55.9		60.9
	布料杆回转角度 Slewing angle	°	±270		±270		±270		±270
其它Others	配料型式 Transfer tuble	--	裙阀 Rock valve		裙阀 Rock valve		裙阀 Rock valve		裙阀 Rock valve

施工案例
Construction cases

HB62V 泵车江苏展雄姿
HB62V boom pump is exhibiting its manhood in Jiangsu

徐工HB62V泵车入驻衡阳
XCMG HB62V boom pump is settling in Hengyang

徐工泵车助力埃塞俄比亚建设
XCMG boom pump is working in Ethiopian construction

徐工泵车入驻迪拜西麦斯集团
XCMG boom pump is setting in CEMEX Dubai

苏州双V7联手施工
Suzhou double V7 teamed up with construction

四蛟龙齐助尼日利亚建设
Four boom pump are cooperating like dragons in Nigeria

徐工HB52V泵车云南施工
XCMG HB52V boom pump is working in Yunnan

徐工泵车哈尔滨小试牛刀
XCMG boom pump is trying its hand in Haerbin

徐工混凝土兄弟助力菲律宾物流园建设
XCMG concrete brothers help Philippine construction

徐工泵车助力乌兹别克斯坦建设
XCMG boom pump is working in Uzbekistan

施工案例
Construction cases

30米泵车厂房内施工（30米泵车厂房小试牛刀）
HB30K boom pump is trying its hand at the workshop.

HB58米泵车展雄风
HB58K boom pump is exhibiting its manhood.

四蛟龙齐助华新城建设
Four boom pumps are cooperating like dragons in Nanjing Huaxincheng Construction.

HB52K唐洪工业园区首秀
HB52K boom pump is debuting in Tanghong Industrial Park.

徐工泵车助力印度尼西亚
XCMG boom pump is working in Indonesia.

徐工泵车贵阳展雄风
XCMG boom pump is exhibiting its manhood in Guiyang.

马来西亚第一台HB53K助力关丹产业园
HB53K boom pump is working in Kuantan Industrial Park of Malaysia.

徐工泵车燃情世界杯
XCMG boom pump is enlivening the World Cup.

徐工金闪耀“一带一路”
XCMG's gold machines are shining “One Belt, One Road” countries.

HB53K泵车香港地铁站小试牛刀
First show of HB53K boom pump at subway station of Hongkong