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# C混凝土搅拌运输车 Concrete Mixer Truck



## Brief Introduction

DASION series concrete mixer truck adopts European modern style, featuring attractive appearance, rational structure and stable performance. Different steel materials for different parts of tank body, which is made from China famous steel factories. Service life is 1.5 times than average.

Adopt CNC plasma equipment and leading international fixtures, ensure the accuracy of the parts manufacturing key weld using CNC automatic welding production lines to ensure the weld strength. Modular design and assembly line keeps product quality consistency. Structure parts adopt blasting pretreatment process. Painting work uses luxury coach paint process, completely in accordance with the coating process of industry leading technology, effectively guarantee the quality of the vehicle.

DASION series concrete mixer truck covers mixing capacity 3-20m<sup>3</sup> all volume products. Chassis mainly adopts ISUZU/SINOTRUK/NISSAN/HINO/FOTON/DFM-Dongfeng/FAW-Jiefang/SHACMAN/Auman/JAC/North-BENZ, etc. Special upper tank projects for special chassis, to make each other match reasonable.

道生系列混凝土搅拌运输车罐体沿袭欧美流行风格，整车造型别致美观，结构紧凑合理，罐体材料采用国内知名钢厂的优质钢材，针对上装不同部件采用不同种类的特种钢材，罐体寿命是一般厂家的1.5倍。

采用数控等离子设计及国际领先的工装卡具，保证零部件的制造精度。关键焊缝采用数控自动焊接，保证焊缝强度。产品结构模块化设计，流水线装配作业，充分保证批量产品质量一致性。结构件采用喷丸预处理工艺；喷漆完全按照豪华客车涂装工艺进行。

道生系列混凝土搅拌运输车覆盖了3-20方全部方量的产品。底盘主要采用东风、重汽、陕汽、欧曼、解放、联合卡车、江淮、红岩、北奔、大运、三菱、五十铃等混凝土搅拌车专用底盘。并针对不同底盘要求定制不同上装制造方案，以达到整车最优匹配，真正做到产品最广。

## 产品简介

## Main Features

### Long service life 寿命更长

Wuhan steel, Baoshan steel material, different thickness for different parts, wear-rib on blades. Service life is 1.5 times than average.

全部采用武钢、宝钢的钢材，不同位置不同厚度的设计，加装叶片耐磨条等，使得罐体寿命是一般厂家的1.5倍。

### Unique structure 结构独特

Revised logarithmic spiral blades, special mold cold press molding, to ensure speed of concrete feeding and discharging, concrete mixing is more uniform; Blades and drum body by new welding process without obvious trance.

修正对数螺旋叶片，由专用模具冷压成型，保证进出料快，混凝土均匀；罐体的焊接采用新的工艺方法，表面无明显印痕。

### Excellent assembly and manufacturing processes 装配加工设备精良

CNC cutting equipment, Automation Welding Machine, Industrial Fixtures, Automatic robot welding production line, to ensure products quality.

数控下料设备，自动焊接设备，多套自主研发的工装卡具，以及正在试用的自动机械手焊接生产线等，保证了产品的质量。

### Patent technology 专利技术

Mixing blades, anti-torque secondary beam, water tank heating device, etc.

拥有叶片曲线、抗扭副梁、水箱加热装置等多项国家专利技术

### Bus baking varnish 客车烤漆

Fifteen thousand square meters workshop for painting, 16 process baking system, polyurethane finish coat, to keep mixing tank bright and long lasting.

1.5万平方米的涂装车间，业内独有的16道客车烤漆工艺加上高档聚氨酯面漆，使得罐体外观靓丽，经久不变。

### High-level configuration of hydraulic system 液压系统配置高端

Hydraulic system adopt international top-brand, such as Germany, Italian, American brand with integral structure, excellent performance.

液压系统采用德国、意大利、美国的液压传动领域顶级品牌，结构紧凑，性能卓越。

### Control system for operator 操作系统

Adopt three-point control mode, that means operator can control the drum easily and conveniently, by control-bar on both rear-sides and in-cab device.

采用三点操纵，驾驶室内及尾部两侧联动，实现对搅拌筒的控制，灵活方便快捷。

## 主要特点



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More Humanization Design

Large power tail-lamp at rear part, for night working and safety.  
整车尾部加装大功率工作尾灯，既能满足夜间施工要求，又能保障人员与车辆的安全性。  
Self-locking in cab, to prevent from mistake operation and ensure security.  
驾驶室操纵配有自锁功能，防止误操作，提高了车辆行驶的安全性。  
Step area adopt pressed steel and attractive appearance, reasonable handrail ensuring safety.  
楼梯采用冲压成型，防滑耐磨，美观大方，扶手设计合理，上下安全方便。  
Smart equipment can be assembled on the truck mixer to meet various clients'requirement, for example, Remote Operation, Water Metering, Tank-input Sealing, etc  
可根据用户要求安装遥控操纵、水路计量、罐口密封等智能化装置。

Multi types of Chassis Matched 配套底盘具有多种选择

上装覆盖了3m³-20m³全部方量的产品  
The upper mixing drum capacity is from 3m³ to 20m³ all volume products.  
可配套的底盘：五十铃、重汽、尼桑、日野、福田、东风、解放、陕汽、欧曼、江淮、北奔等  
The model of chassis match: ISUZU/SINOTRUK/NISSAN/HINO/FOTON/DFM-Dongfeng/  
FAW-Jiefang/SHACMAN/Auman/JAC/North-BENZ, etc

更多人性化设计

Technical Parameters 技术参数 3~7m³

车型 Auto. Model	XDS3SQ116	XDS4SD116	XDS5SD130	XDS6RW180	JDS7RW190
整车尺寸 Overall size (mm)	6300(L)*2300(W)*3300 (H)	6460(L)*2300(W)*3450 (H)	6460(L)*2255(W)*3300 (H)	7398(L)*2490(W)*3650 (H)	7800 (L)*2480(W)*3600 (H)
罐体尺寸 Tank body dimension(mm)	3380*Ø1670	3520*Ø1800	3520*Ø1950	3859*Ø2100	3859*Ø2112
搅拌方量 Mixing volume(m³)	3	4	5	6	7
喂料速度 Feeding speed ( m³/min )			≥2		
卸料速度 Unloading speed ( m³/min )			≥1.5		
卸料残余率Discharge residue rate (%)			≤0.5		
高压油泵 High pressure oil pump			High-Tech, China		
液压马达 Hydraulic motor			High-Tech, China		
减速机 Reducer			High-Tech, China		
供水系统 Water supply system			Water supply by air pressure (150L water tank), homemade sprinkler. 气动供水 ( 150L水箱 ) / 国产喷头		Air pressure 180L water tank, homemade sprinkler. 气动供水180L水箱，国产喷头
散热器 Air-condition			0.4MPa		
底盘 Chassis (4*2)					
制造商 Manufacturer	Shaanxi Automobile Group Co., Ltd. 陕西汽车集团有限责任公司		Beiqi Foton Motor Co., Ltd北汽福田汽车集团		
型号 Model	SX5100GJBQD4	BJ5142GJB-G1	BJ1145JPFA-1	BJ5162GJB-G1	BJ1162VPHD-F1
轴距 Wheel base (mm)	3100	3400	3400	3900	4200
前后轮距 Tread f/r (mm)	1610/1650	1790/1725	1774/1669	1940/1870	1950/1860
最大行驶速度 Max. Speed (km/h)	85	80	85	80	80
转向系统 Steering system			Recirculating ball steering, power steering,循环球转向，动力转向		
传动装置 Transmission			Manual手动		
刹车系统 Brake system			Air-pressure braking system气压制动		
发动机 Engine (Euro-IV)					
型号 Model	YN38CRD2	YCD4E2L-115	YC4D130-41	YC6J180-42	YC6J190-33
最大马力 Max. Power (hp)	116	116	130	180	190
发动机类型 Engine type	L4, Water-cooled, 4-strokes supercharged inter-cooling diesel engine 4缸，水冷，增压中冷柴油机	L4, 4-strokes supercharged inter-cooling diesel engine 4缸，4冲程，增压中冷柴油机	L4, 4-strokes supercharged inter-cooling diesel engine 4缸，4冲程，增压中冷柴油机	L6, Water-cooled, 4-strokes supercharged inter-cooling diesel engine, pump is made in China 6缸，水冷，4冲程增压中冷柴油机，国产泵	
燃油类型 Fuel type			Diesel oil柴油		





Tchnical Parameters 技术参数

8~16m³

车型 Auto. Model	CDS8HW290	CDS9HW336	CDS10HW336	CDS12HW340	CDS14HW375	CDS16HW375
整车尺寸 Overall size (mm)	8620 (L)*2490(W)*3850 (H)	9130 (L)*2500(W)*3850 (H)	9230 (L)*2496(W)*3850 (H)	9870 (L)*2500(W)*3990 (H)	10730 (L)*2496(W)*3900 (H)	11390 (L)*2500(W)*3990 (H)
罐体尺寸 Tank body dimension(mm)	4720*Φ2300	4990*Φ2300	5370*2300	5790*Φ2300	6724*Φ2450	7324*Φ2450
搅拌容量 Mixing volume(m³)	8	9	10	12	14	16
喂料速度 Feeding speed (m³/min)			≥3			
卸料速度 Unloading speed (m³/min)			≥2			
卸料残余率 Discharge residue rate (%)			<0.5			
高压油泵 High pressure oil pump	ARK pump, Italy	ARK pump Italy	PV089MHR\20DBC13N, Italy	ARK pump, Italy	PV090MHR\20DBC13N, Italy	ARK pump, Italy
液压马达 Hydraulic motor	ARK motor, Italy	ARK motor Italy	MF089V\20CBN113535, Italy	ARK motor, Italy	MF090V\20CBN113535, Italy	ARK motor, Italy
减速机 Reducer	PM86.5sp	PM86.5sp Italy	PM87asp	PM87.1sp, Italy	PM88sp, Italy	PM88sp, Italy
供水系统 Water supply system		Water supply by air pressure	450L water tank, homemade sprinkler, 气动供水 (450L水箱) , 国产喷头			
散热器 Air-condition			SINOTRUK special air condition 重汽专用			
底盘 Chassis (6*4)						
制造商 Manufacturer						
型号 Model	ZZ1256M3246F	ZZ1257N3847C	ZZ1257N3848W	ZZ1257N4047N1	ZZ1317N3667C1	ZZ1317N3667C1
轴距 Wheel base (mm)	3225*1350	3625*1350	3825*1350	4025*1350	1800*3600*1350	1800*3600*1350
前后轮距 Tread f/r (mm)	1939/1800	2022/1830	2022/1830	2022/1830	2041/1830	2022,2041/1830
最大行驶速度 Max. Speed (km/h)	70	90	86	78	85	90
转向系统 Steering system	Imported ZF 8098 hydraulic power steering.	Recirculating ball steering, power steering.	Recirculating ball steering, power steering.	Imported ZF 8098 hydraulic power steering.	Imported ZF 8098 hydraulic power steering.	Imported ZF 8098 hydraulic power steering.
转向系统 Steering system	进口ZF 8098液压助力转向	循环球转向 , 动力转向	循环球转向 , 动力转向	进口ZF 8098液压助力转向	进口ZF 8098液压助力转向	进口ZF 8098液压助力转向
传动装置 Transmission				Manual 手动		
刹车系统 Brake system				Dual circuit air-pressure braking system 双回路气压制动		
发动机 Engine (Euro-III)						
型号 Model	WD615.98	WD615.95E	WD615.95E	D10.34-31	WD615.96E	WD615.96E
最大马力 Max. Power (hp)	290	336	336	340	375	375
发动机类型 Engine type	L6,Water-cooled, 4-strokes supercharged inter-cooling diesel engine 6缸, 水冷, 4冲程增压中冷柴油机	L6,Water-cooled, supercharged inter-cooling diesel engine 6缸, 水冷, 增压中冷柴油机	L6,Water-cooled, 4-strokes supercharged inter-cooling diesel engine 6缸, 水冷, 增压中冷柴油机	L6,Water-cooled, 4-strokes supercharged inter-cooling diesel engine 6缸, 水冷, 增压中冷柴油机	L6,Water-cooled, direct injection, supercharged inter-cooling diesel engine 6缸, 水冷, 增压中冷柴油机	L6,Water-cooled, 4-strokes supercharged inter-cooling diesel engine 6缸, 水冷, 增压中冷柴油机
燃油类型 Fuel type						Diesel oil柴油



## C混凝土搅拌罐 Concrete Mixing Drum

### Main Features

#### Concrete mixing tank with superior performance 搅拌筒性能卓越

Concrete mixing tank adopts auto-welding technology, all welding seams are checked by fault-indicator to make sure its welding quality.  
筒体采用自动焊接技术，焊缝全部探伤检查，确保焊接质量。

Large rounded spinning head of concrete mixing tank, flawlessly mixing and no residual concrete 大圆角旋压封头，无死角、不残留混凝土。

Optimized design of concrete mixing tank, improve loading ability, reasonable mixing arms and holes distribution can ensure mixing on average without separation.  
优化搅拌筒设计，提升装载能力，合理的搅拌臂与搅拌孔布局确保搅拌均匀不离析。

Mixing blades adopt three-dimensional double helix mixing design, reducing remnant rate of 0.6%, better than international standard (international standard is 2%), ahead of industry standard (industry standard is 0.7%~1%).  
搅拌叶片采用三维双螺旋搅拌设计，残余率低至0.6%，优于国际标准（国际标准为2%），领先行业标准（行业标准为0.7%~1%）。

The blades are made by punching machine, ensure the dimension is exactly correct, the blades has unique wear – resisting protection structure, improving blade service life 80%.  
叶片采用模具冲压，确保叶片的外形尺寸符合设计要求，具有独特的耐磨护条结构，提高叶片使用寿命80%。

#### High quality of hydraulic system 液压系统质量稳定可靠

Hydraulic system adopts international top-brand, such as Germany, Italian, American brand with integral structure, excellent performance.

液压系统采用德国、意大利、美国的液压传动领域顶级品牌，结构紧凑，性能卓越。

All hose connector adopts Germany EMB, and the hose adopts Italian MANULI.

所有液压管接头采用德国EMB，胶管采用意大利玛努利。

Meeting customers' various special need, and depend on customers' requirement, we can also adopt Chinese famous brand hydraulic system and Accessories.

为满足不同客户的要求，公司也可以根据客户要求选配国产高性能液压系统和配件。

Adopt combination of oil tanker and radiator, equipped with temperature controller and vacuum meter, ensure the oil change and maintenance.

组合式油箱散热器，带温控开关和真空表，换油保养一目了然。

### 主要特点

## Concrete Mixing Drum

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