



# SY312C-6W(V) TRUCK MIXER

## Distinct advantage in carrying capacity

Carrying capacity increased by 20%. Waterproof performance increased to 3-5 times by upgrading the seal structure of full set of axle.

## Industry-leading mixing drum technology

Mixing drum using the customized SY300TP special purpose high strength and abrasion-resistant steel, drum service life extended by 30%, 8 years long service life. Lighter, more reliable, more economical and more valuable.

## Self-developed integrated design

Upper parts and chassis integrated design take vehicle performance into account. Vehicle center of mass lowered 120mm by improve "no sub frame" structure matching with high strength frame. Driving is safer and more reliable.

## Brand new driving experience

Upgraded air-floating adjustable seat, the sleeper berth is 130mm wider and 90mm thicker, and 95L storage space is set under the sleeper, which is more comfortable and spacious, and brings customers a brand-new driving experience.

## Lightweight design

Aluminum alloy water tank is adopted, and the weight is reduced by 45%; The auxiliary chute is made by polymer, and the weight is reduced by 50%. Low-carbon, eco-friendly and more economical.

## Technical specifications 技术参数

Model 型号		SY312C-6W(V)	
Overall parameters 整车参数	Rudder direction	左右舵 左舵 Left	
	Curb weight (kg)	整备质量 (kg) 14850	
	Full load weight (kg)	最大允许总质量 (kg) 43650	
	Dimension (L × W × H) (mm)	整车尺寸 (长 × 宽 × 高) (mm) 9945 × 2500 × 3980	
	Wheel base (mm)	轴距 (mm) 4090+1350	
	Min. ground clearance (mm)	最小离地间隙 (mm) ≥ 240	
	Min. turning diameter (m)	最小转弯直径 (m) ≤ 20	
	Fuel consumption (L/100km)	百公里油耗 (L/100km) ≤ 45	
	Braking distance (V <sub>0</sub> =30km/h) (m)	制动距离 (V <sub>0</sub> =30km/h) (m) ≤ 10(Full load); ≤ 9(Empty load)	
	Chassis 底盘配置	Engine	发动机 潍柴 Weichai WP10.350E53
Displacement (L)		排量 (L) 9.726	
Rated power/Rev speed (kW/rpm)		额定功率 / 转速 (kW/rpm) 257/1900	
Max. torque/Rev speed (N.m/rpm)		最大扭矩 / 转速 (N.m/rpm) 1600/1200-1600	
Emission standard		排放标准 China V	
Gear-box		变速箱 法士特 Fast 9JS150TA-B	
Front axle		前桥 9T	
Middle, rear axle		中、后桥 2 × 16T	
Cab		驾驶室 三一 CB318 驾驶室 Sany Cab CB318	
Tyre		轮胎 12.00R20	
Brake type		制动型式 气压双回路鼓式制动 Pneumatic dual-circuit drum brake	
Fuel tank		燃油箱 (L) 300	
Drum 上装参数		Mixing capacity (m <sup>3</sup> )	搅动容量 (m <sup>3</sup> ) 12
		Feeding speed (m <sup>3</sup> /min)	进料速度 (m <sup>3</sup> /min) ≥ 8
		Discharge speed (m <sup>3</sup> /min)	出料速度 (m <sup>3</sup> /min) ≥ 5
	Discharge residual rate	出料残余率 ≤ 0.5%	
	Slump scope (mm)	坍塌度范围 (mm) 50 - 210	
	Water tank capacity (L)	水箱容积 (L) 400	
	Water pressure (Mpa)	供水工作压力 (MPa) 0.35 - 0.38	
	Reduction gear	减速机 法士特 FJ7500	
	Oil pump	油泵 三一 Sany 90	
	Motor	马达 三一 Sany 90	

## Optional configuration 可选配置

Model 型号		SY312C-6W(V)
Item 名称		● Standard 标配 ○ Option 选配 - None 无
Engine	发动机	-
Reduction gear	减速机	○ 普曼普 PMP PMB7.1
Mixing drum type	搅拌筒型式	○ 干式 Dry
Driving recorder	行车记录仪	-
Rootcloud	树根互联	●
Mixing drum forward and backward rotation sensor (GPS Terminal-EMEA must be installed)	搅拌筒正反转 (必须安装树根盒子)	●
Central control screen	中控屏	-
Embedded lock machine	预埋锁机	○
Blind zone radar	盲区雷达	○
Rear view camera	倒车摄像头	●
Around view monitor(AVM)	360 环视	-
ABS (axles need replacing)	ABS (需换车桥)	●
Cab roof warning light	驾驶室警示顶灯	○
Tyre	轮胎	○ 11.00R20 ○ 12R22.5
Hydraulic lift of main chute	主槽液压举升	-
Multiple auxiliary chutes	多节副槽	-
Toolkit	工具箱	○
Rear working light	后照灯	●
Mixing drum cleaning device	搅拌筒清扫杆	○
Hopper components	接料斗	●
Special coating	特殊涂装	○
Water tank capacity	水箱容积	○ 600L 铝合金 Al
The upper guardrail protecting net of mixing drum	搅拌筒上部护栏保护筛网	-

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The product configuration (including technical parameters) is subject to change and the delivered actual machine without notice.

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