



SY510C-8Y(VI R) 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

The lightweight architecture design of Sany whole vehicle, combined with aluminum alloy components (aluminum alloy water tank, aluminum alloy wheel cover, aluminum alloy wheels), is versatile, reliable, and aesthetically pleasing. Low carbon, environmentally friendly and more economical.

Technical specifications 技术参数

Model 型号		SY510C-8Y(V1 R)	
Overall parameters 整车参数	Rudder direction	左右舵	右舵 Right
	Curb weight (kg)	整备质量（kg）	13800
	Full load weight (kg)	最大允许总质量（kg）	38000（认证参数）
	Dimension (L×W×H) (mm)	整车尺寸（长×宽×高）（mm）	9750×2500×3900
	Wheel base (mm)	轴距（mm）	1700+2700+1350+1400
	Min. ground clearance (mm)	最小离地间隙（mm）	≥ 260
	Min. turning diameter (m)	最小转弯直径（m）	≤ 20
	Fuel consumption (L/100km)	百公里油耗（L/100km）	≤ 42
	Braking distance (V ₀ =30km/h) (m)	制动距离（V ₀ =30km/h）（m）	≤ 10(Full load); ≤ 9(Empty load)
Chassis 底盘配置	Engine	发动机	玉柴 YCK11 430
	Displacement (L)	排量（L）	10.98
	Rated power/Rev speed (kW/rpm)	额定功率 / 转速（kW/rpm）	316kw（430PS）/1900rpm
	Max. torque/Rev speed (N.m/rpm)	最大扭矩 / 转速（N.m/rpm）	2100Nm/(1100–1500)rpm
	Emission standard	排放标准	China VI
	Gear-box	变速箱	F12JZ22A 12 档 AMT 变速箱
	Front axle	前桥	2×5.5T
	Middle, rear axle	中、后桥	2×13T, 7.5T
	Cab	驾驶室	三一 CB318 驾驶室 Sany Cab CB318
	Tyre	轮胎	11R22.5
	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 (m³)	搅动容量（m³）	10
	Feeding speed (m³/min)	进料速度（m³/min）	≥ 8
	Discharge speed (m³/min)	出料速度（m³/min）	≥ 5
	Discharge residual rate	出料残余率	≤ 0.5%
	Slump scope (mm)	坍落度范围（mm）	50 – 210
	Water tank capacity (L)	水箱容积（L）	200
	Water pressure (Mpa)	供水工作压力（MPa）	0.35–0.38
	Reduction gear	减速机	卓士博 TOP P68
	Oil pump	油泵	Sany 90
	Motor	马达	Sany 80

Optional configuration 可选配置

Model 型号		SY510C-8Y(V1 R)	
Item 名称		● Standard ● 标配	○ Option – None ○ 选配 – 无
Engine	发动机		–
Reduction gear	减速机		–
Mixing drum type	搅拌筒型式		–
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		○ 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		○ 400L 铝合金 Al
The upper guardrail protecting net of mixing drum	搅拌筒上部护栏保护筛网		–