



SY412C-8S(AMT) 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		SY412C-8S(AMT)
Overall parameters 整车参数	Rudder direction	左右舵 左舵 Left
	Curb weight (kg)	整备质量（kg） 14660
	Full load weight (kg)	最大允许总质量（kg） 43460
	Dimension (L×W×H) (mm)	整车尺寸（长×宽×高）（mm） 9825×2525×3980
	Wheel base (mm)	轴距（mm） 1900+2950+1350
	Min. ground clearance (mm)	最小离地间隙（mm） ≥ 240
	Min. turning diameter (m)	最小转弯直径（m） ≤ 22
	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)
	Engine	发动机 三一动力 Sany Power D12C3-490E1
Chassis 底盘配置	Displacement (L)	排量（L） 12.12
	Rated power/Rev speed (kW/rpm)	额定功率 / 转速（kW/rpm） 360/1900
	Maximum torque/Rev speed (N.m/rpm)	最大扭矩 / 转速（N.m/rpm） 2200/1000-1400
	Emission standard	排放标准 Euro III
	Gear-box	变速箱 法士特 Fast F12JZ22A AMT 手自一体
	Front axle	前桥 2× 7.5T
	Middle, rear axle	中、后桥 2× 16T
	Cab	驾驶室 三一 CB318 驾驶室 Sany Cab CB318
	Tyre	轮胎 315/80R22.5
	Brake type	制动型式 气压双回路鼓式制动 Pneumatic dual-circuit drum brake
Drum 上装参数	Fuel tank	燃油箱（L） 300
	Mixing capacity (m³)	搅动容量（m³） 12
	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） 800
	Water pressure (Mpa)	供水工作压力（MPa） 0.35 - 0.38
	Reduction gear	减速机 普曼普 PMP PMB7.1
	Oil pump	油泵 三一 Sany 90
	Motor	马达 三一 Sany 90

Optional configuration 可选配置

Model 型号		SY412C-8S(AMT)		
Optional functions 功能选配	Item 名称	● Standard ● 标配	○ Option ○ 选配	- None - 无
	Reduction gear	减速机		-
	Rootcloud	树根互联	●	
	Mixer 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)	●	
	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 light	驾驶室警示顶灯	●	
	Tyre	轮胎		○ 11.00R20 ○ 12R22.5
	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 mixer drum	搅拌筒上部护栏保护筛网		-	