



SY305C-8LRBEV TRUCK MIXER

Fast feeding & discharging, low residual rate

Industry-leading feeding and discharging speed by design of streamline hopper; Lowest residual rate by design of the three section blade.

Low energy consumption, more efficient

Equipped with stable, efficient and advanced electric system, which can have a lower operating cost and ensure customers' profits.

Powerful and stable climbing

The maximum power of the driving motor is 308kW, the maximum torque is 1920N.m, climbing capacity is strong.

Light weight, heavy charge

The original no sub-frame structure in the industry, and the integrated design of upper parts and chassis, which improve the loading capacity of the vehicle and increase the customer income.

Long life, durable

30,000 kilometers of enhanced verification, 10,000 kilometers of mountain road test, to ensure the durability and reliability of the product.

Technical specifications 技术参数

Model 型号		SY305C-8LRBEV
Rudder direction	左右舵	右舵 Right
Curb weight (kg)	整备质量 (kg)	12200
Full load weight (kg)	最大允许总质量 (kg)	25000
Dimension (L × W × H) (mm)	整车尺寸 (长 × 宽 × 高) (mm)	8765 × 2530 × 3650
Wheel base(mm)	轴距 (mm)	3450+1350
Min. ground clearance(mm)	最小离地间隙 (mm)	≥ 260
Min. turning diameter(m)	最小转弯直径 (m)	≤ 16.2
Gradient (%)	爬坡度 (%)	≥ 30%
Energy consumption(kWh/100km)	百公里电耗 (kWh/100km)	≤ 150
EV endurance mileage (constant speed method, 40km/h)	续航里程 (标载, 40km/h 等速) (km)	289.2
EV endurance mileage (working condition method, km)	续航里程 (标载, 综合工况) (km)	160
Braking Distance $V_0=30\text{km/h}$ (m)	制动距离 $V_0=30\text{km/h}$ (m)	8.21(Full load); 7.18(Empty load)
Drive motor type	驱动电机型式	永磁同步、水冷 Permanent magnet synchronous motor Water cooling
Drive motor model	驱动电机型号	EM190H46
Rated voltage (V)	额定电压 (V)	540
Rated power / rev speed/ torque (kW/rpm/N.m)	额定功率 / 转速 / 转矩 (kW/rpm/N.m)	164/1800/870
Peak power / rev speed / tTorque (kW/rpm/N.m)	峰值功率 / 转速 / 转矩 (kW/rpm/N.m)	308/4000/1920
Gear-box type	变速箱型式	AMT 手自一体
Gear-box model	变速箱型号	J4S240
Gear ratio	各档速比	8.39/3.54/1.74/1
Power battery type	电池型式	磷酸铁锂电池 LFP Battery
Total energy storage (kWh)	总储电量 (kWh)	281.92
Charging mode	补能方式	双枪直流快充 Double Gun DC Charging
Charging standard	充电标准	欧标 European Standard
Charging power (kW)	充电功率 (kW)	240
Charging time (min)	补能时间 (min)	90
High voltage controller	高压控制器	汇川四合一 Inovance 4 in 1
Front axle	前桥	5T
Middle, rear axle	中、后桥	2 × 11.5T
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

整车参数
Overall parameters

底盘配置
Chassis

ABS	ABS	ABS: 4S/4M
Mixing capacity (m³)	搅动容量 (m³)	5
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%
Water tank capacity (L)	水箱容积 (L)	600
Water pressure (Mpa)	供水工作压力 (Mpa)	0.35 - 0.38
Reduction gear	减速机	普曼普 PMP PMB7.1E
Operating handle	操作手柄	电控 Electric control
Controller	控制器	英威腾 INVT
Drive motor type	驱动电机型号	EM025H31
Combined instrument	仪表	7 吋液晶 + 机械 7-inch LCD+mechanical
Multimedia system	多媒体	10.1 吋中控屏 10.1-inch display
Rootcloud	树根互联	●
Driving recorder	行车记录仪	●
Energy recovery	能量回收调节	●
Adaptive cruise control	自动巡航	-
Cruise control	定速巡航	-
Overspeed protection	车速超限保护	●
Predictive maintenance	预测性维护	-
E/P mode	E/P 模式切换	●
ESC	ESC 电子稳定控制系统	-
Rear view mirror defrosting	后视镜除霜	-
Around view monitor (AVM)	360 全景环视	全景无环视 Panoramic without around view
Forward collision warning (FCW)	FCW 前向碰撞预警	-
Lane departure warning (LDW)	LDW 车道偏离预警	-
Blind spot detection (BSD)	BSD 盲区监测	●
Rear view camera/radar	倒车影像 / 雷达	影像 Rear view camera

上装参数
Drum

智能化配置
Intelligent configuration

SANY HEAVY INDUSTRY CO., LTD.

SANY Industrial Park, Economic and Technological Development Zone, Changsha, Hunan, China, 410100
Sales Hotline: 0086-731-85835199
Tel: 0086-731-85835199
Mail: sales@sanyglobal.com

Service Hotline: 4006098318
Tel: 0086-4006098318
Mail: CRD@sany.com.cn

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

www.sanyglobal.com