



Specification of E490AS 6x4 Composite Load

Driving comfort

High roof cab and totally flat floor, extremely spacious cab space, quiet and comfortable; Wide vision, electrically heated rear mirror, safer driving; High reliable AMT transmission with aluminum housing, and column-mounted shifter make it smooth operation; The airbag seat damping system fully filters the road impact; Handheld electric wire control lift, make it easier to operate.

High IQ

The vehicle control system is SANY independently developed to support intelligent parking, intelligent load and gear matching, and multi gear ratio energy recovery scheme. The motor+ABS combined braking has high energy efficiency, a 12 inch intelligent network connected large screen, and full function display of vehicle operation status.

Excellent performance

Strong power, excellent climbing and acceleration performance, maximum climbing > 30%, 0-30km/h acceleration time < 4s; Equivalent to 3 million km full condition test, with higher road conditions, load and environmental adaptability. The large bore steering gear is matched with the dual source steering oil pump, which makes the steering easier and safer, and meets the requirements of complex and changeable steering conditions such as construction sites and mountain roads.

Light curb weight

Chassis with lightweight design, new materials, structural topology optimization, the use of self-developed lightweight power swap device, the curb weight is at least 1 ton lower than that of competitors at the same level, less leaf spring suspension, highly reliable, lightweight

Long continued mileage

Precise energy management and control scheme, efficient energy recovery, ultra-low energy consumption (based on 90% of the total electricity capacity, flat hard paved road conditions, standard load of 49 tons, 350 degree batteries, 190km range)

Fast energy supplement

The intelligent battery swap station automatically completes battery replacement in 5 minutes; Under the charging mode, 60% of the power is supplied by dual-gun fast charging for 30 minutes



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| Vehicle model | JiangShan RHD composite load 6 × 4 EVE 350 battery–swapping mode electric Semi–trailer tractor |
| Host code | KEV100000095 |
| Working Condition | Short distance transportation |
| Description | Jiangshan high–roof composite version 6 × 4 EVE 350 battery–swapping mode electric Semi–trailer tractor (LEGO n 490/5.571/all–Aluminum rim/Kormee ABS/front 3 rear 4/50#/12R22.5) |

Vehicle

| | | | |
|---|-----------------------------------|-------------------------------------|--------------------|
| Vehicle Parameters | Performance and weight parameters | Drive mode | 6 × 4 |
| | | Wheelbase | 3800+1350 |
| | | Turning diameter(m) | <19 |
| | | Curb weight(kg) | 10800 |
| | | Maximum Speed(km/h) | 100 (speed limit) |
| | Overall Dimension | Gross Combination Weight (GCW)/kg | 50500 |
| | | LxWxH(mm) | 7345 × 2545 × 3715 |
| | | Front overhang/rear overhang(mm) | 1515/680 |
| | | Approach angle/Departure angle (°) | 16/37 |
| | | Fifth wheel front distance (mm) | (900) |
| No–load the fifth wheel height from the ground (mm) | 1370 | | |
| Minimum ground clearance | 295 | | |

Chassis system

| | | | |
|-----------------|--|---|---|
| Frame | 300*80*8_940–850 | | ● |
| The Fifth–Wheel | Jost | 50# | |
| Front axle | HanDe | 7.5t | ● |
| Drive axle | Fangsheng | FSH300/13T/drum/Single bridge/grind (ratio 5.571) | ● |
| | Differential lock | Interaxle differential | ● |
| Suspension | | Interwheel differential | ● |
| | Front suspension | 3 leaf spring | ● |
| | Rear suspension | 4 leaf spring | ● |
| Brake | Front axle | Drum brake (410 × 160) – Air chamber (24’) | ● |
| | Middle rear axle | Drum brake (410 × 220) – Air chamber (30’) | ● |
| Tire | Model | 12R22.5 | ● |
| | Brand | Goodyear | ● |
| Rim | Aluminum rim (POMLEAD) | | ● |
| Auxiliary brake | Electric regenerative braking (tandem) – ABS | | ● |

Key Electric System

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|------------------|--------------------------------|---------------|---|
| Motor | Suzhou LEGO(Central drive) | TZ388XSLGE03 | Rated/Peak Power 250/360kW Rated/Peak speed 1800/3000 Rated/Peak torque 1300/2800 |
| Motor controller | Inovance | KTZ61X38SSY01 | |
| Transmission | FAST F6E240 (Central drive) | F6E240 | 6–speed |
| Shifter | Column–mounted shifter (Adayo) | / | / |
| Power Battery | EVE Battery | 10C | 350kWh |