

JAC
MOTORS

Specifications



Power in Silence

November 2023

This superior vehicle boasts up to 50% lower operating cost and 30% lower maintenance cost

N55 EV key features:

- ✓ 2,000kg payload
- ✓ Remote Locking
- ✓ Daytime running lights
- ✓ Cargo capacity 15.7m³ (Pantech Box)
- ✓ Optimised & Regenerative Braking
- ✓ Driver and passenger airbag
- ✓ DC Charging time 1.5h >DC 90KW
- ✓ Max speed 90km/h
- ✓ Air conditioning
- ✓ 200km range fully loaded
- ✓ 8s Acceleration from 0 – 50km/h
- ✓ ABS
- ✓ Reverse Camera
- ✓ Power windows

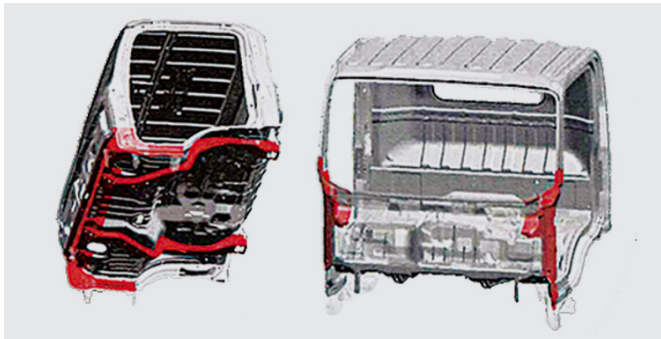


Electric motors are typically more efficient than Internal Combustion Engines (ICEs) because they convert a higher percentage of energy from their power source into usable mechanical power. The efficiency of an electric motor is typically above 80%, with some models achieving a peak efficiency of 96% in 90% of their working area. In comparison, ICEs typically have efficiencies ranging from 25-40%, with the most efficient engines reaching about 50% efficiency.

Higher efficiency means that electric motors require less energy to perform the same amount of work as ICEs, resulting in less fuel consumption and lower emissions. Additionally, the high efficiency of electric motors allows for better drivability and response, which translates into a smoother and more enjoyable driving experience.

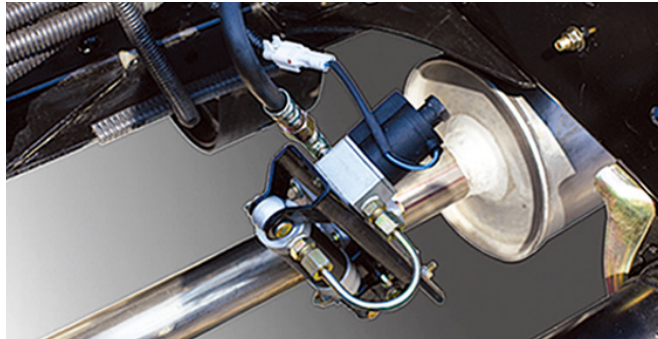
Safety comes as standard with the JAC Electric Truck, designed to provide a safe and reliable transportation solution for your business needs.

As an electric vehicle, the JAC N75 & N90 Electric Truck has been equipped with advanced, passenger, pedestrian and driver safety features, including charging safety features that ensure the safety of the truck and its surroundings during the charging process.



Cab Security

The longitudinal beam assembly of the front part of the JAC Electric Truck truck cab support plate is designed as a closed section using high-rigidity steel. Additionally, an anti-collision girder steel is installed inside the door to ensure passengers' security. Together, these features fully guarantee the safety of the passengers.



Optimised Braking

The JAC Electric Truck is also equipped with a double braking circuit design and front disc brake, providing more secure braking performance. Through collaboration with Honeywell, we have developed a plate that can withstand more friction. Additionally, we have developed ABS specifically for hydraulic braking vehicles in conjunction with Bosch.



Charging Safety

As an electric vehicle, the JAC Electric Truck has been equipped with advanced safety features, including charging safety features that ensure the safety of the truck and its surroundings during the charging, maintenance and repair process. The power switch allows the operator to turn off the power supply to the truck during maintenance and repair.

Charging your vehicle



AC Connector Type

Type 2

Typical Power Ratings

7 kW

Range per Features
Hour Charging

14 km



DC Connector Type

CCS2

Fully Charged in 2 hours



Power in silence and all set to work

Note: ● standard; ○ optional; - not available

| | MODEL | N55 EV | N75 EV | N90 EV |
|------------------------------|--|---|---|--|
| Basic Information | Cab type | Single | Single | Single |
| | Left or right driver | RHD | RHD | RHD |
| | Applicable temperature | -5-40°C | -5-40°C | -5-40°C |
| Vehicle Parameters | Chassis dimension (mm) | 5995x2160x2323 | (5995/7025)x2105x2323 | (7025/7880)x2105x2323 |
| | Wheelbase (mm) | 3365 | 3365/3845 | 3845/4475 |
| | Front-rear tread (mm) | 1680/1705 | 1716/1650 | 1716/1650 |
| | Front-rear suspension (mm) | 1110/1520 | 1110/1520; 1110/2070 | 1110/2070; 1110/2295 |
| | Approach angle | 25 | 20 | 20 |
| | Departure angle | 16 | 12 | 10 |
| | Min turning radius (full load) (m) | 15 | 7/ 7.5 | 7.5/ 9 |
| | Tire type | 215/75 R17.5 | 215/75 R17.5 | 215/75 R17.5 |
| | GVM (kg) | 4500/5500 | 7490 | 9000 |
| | Front/rear axle rated payload (kg) | 3100/4500 | 3100/6200 | 3100/6200 |
| | Rear axle ratio | 5.571 | 6.33 | 4.875 |
| | Front / Rear leaf spring number | 3/4+3 | 3/6+7 | 3/6+7 |
| | Kerb weight (kg) | 3150 | 3150/3200 | 3320/3370 |
| Min ground clearance (mm) | 228 | 155 | 155 | |
| Vehicle Performance | Range under C-WTVC, full load (km) | ≥200 (GVM 5500kg) | ≥245 (GVM 7490kg) | ≥200 (GVM 9000kg) |
| | Max speed (km/h) | 90 | 90 | 90 |
| | Max gradability (%) | 30% | 20% | 30% |
| | Accelerating performance from 0-50km/h (s) | <9 | <9 | <9 |
| Powertrain System | Driving motor type | PMSM | PMSM | 2 Speed PMSM |
| | Rated power (kW/rpm) | 65/1500 | 65/1500 | 90/1560 |
| | Peak power (kW/rpm) | 130/4500 | 130/4500 | 171/3500 |
| | Rated / Peak torque (Nm) | 415/1200 | 415/1200 | 550/1050 |
| | Transmission ratio | - | - | 2.770/1.000 |
| | Cooling method | Liquid cooling | Liquid cooling | Liquid cooling |
| Electric Power System | Battery type | LFP battery Gotion | LFP battery CATL | LFP battery CATL |
| | Single cell type | 180Ah-6P6S | 173Ah-1P48S | 173Ah-1P48S |
| | Rated voltage of the battery (V) | 537.6 | 618.24 | 618.24 |
| | Battery capacity (Ah) | 180 | 173 | 173 |
| | Total capacity (kWh) | 96.77 | 106.95 | 106.95 |
| Weight of the battery (kg) | 728 | 700 | 700 | |
| Suspension | Front suspension | Fewer springs of front cross-section + double acting shock absorber | Fewer springs of front cross-section + double acting shock absorber | Fewer springs of front cross-section + double acting shock absorber |
| | Rear suspension | Rear leaf spring suspension (multi spring)+double acting shock absorber | Rear leaf spring suspension (multi spring)+double acting shock absorber | Rear leaf spring suspension (multi spring)+double acting shock absorber, rear stabilizer |
| Frame | Frame cross section size | 214x70x5 | 214x70x5 | 214x70x5 |

| | MODEL | N55 EV | N75 EV | N90 EV |
|-------------------------------|---|-----------------------|-----------------------|-----------------------|
| Brake | Type | hydraulic | air brake | air brake |
| | Brake type | front drum, rear drum | front disc, rear drum | front disc, rear drum |
| | ABS | ● | ● | ● |
| | Regenerative braking | ● | ● | ● |
| Exterior | Manually adjustable headlamp | ● | ● | ● |
| | Rear fog lamp | ● | ● | ● |
| | Daytime running light | ● | ● | ● |
| | Frame rear view mirror (widened) | ● | ● | ● |
| | One-button power window (anti-clip) | ● | ● | ● |
| | Wind deflector | ○ | ○ | ○ |
| Interior | Roof storage (driver + passenger) | ● | ● | ● |
| | Glovebox | ● | ● | ● |
| | Fleece seat | - | ● | ● |
| | PVC seat | ● | ○ | ○ |
| | Ash pan | ● | ● | ● |
| | Driver sun visor | ● | ● | ● |
| | Passenger sun visor | ● | ● | ● |
| | Sun visor with bill fold for driver & passenger | ● | ● | ● |
| | PVC carpet | ● | ● | ● |
| | Cigarette lighter | ● | ● | ● |
| Integral-type roof | ● | ● | ● | |
| Safety | Height adjustable driver safety belt | ● | ● | ● |
| | Three-point safety belt for passenger | ● | ● | ● |
| | Driver safety belt warning | ● | ● | ● |
| | Air bags (driver + passenger) | ● | ● | ● |
| | Auto unlock upon collision | ● | ● | ● |
| | Reversing radar | ● | ● | ● |
| | Rear view camera | ● | ● | ● |
| | Reverse gear buzz | ● | ● | ● |
| Power master switch | ● | ● | ● | |
| Comfort Configurations | HVAC | ● | ● | ● |
| | Cruise control | - | ● | ● |
| | Central locking | ● | ● | ● |
| | Foldable remote control key | ● | ● | ● |
| | MP5 | ● | ● | ● |
| Charging | USB interface | ● | ● | ● |
| | AC charging | ● | ● | ● |
| | AC charging (slow charging) (h) | 16 | ● | ● |
| | DC charging (fast charging) | ● | ● | ● |
| | DC charging (fast charging≥120kW) time (h) (10%-100%) | 2 | 2 | 2 |
| | Charging standard | CCS2 | CCS2 | CCS2 |

Battery Cell Testing and Compliance:

- ✓ Crush test
- ✓ External burning test
- ✓ Waterproof test
- ✓ Collision test
- ✓ Vibration test

Warranty[^]

5 years or 200,000km

