JAC MOTORS

Specifications

Power in Silence

November 2023

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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 15.7m^3 (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.

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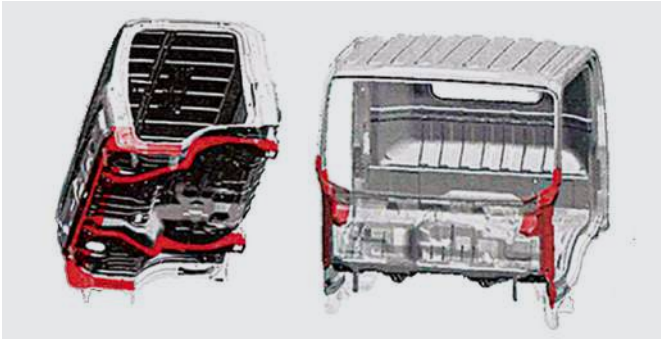
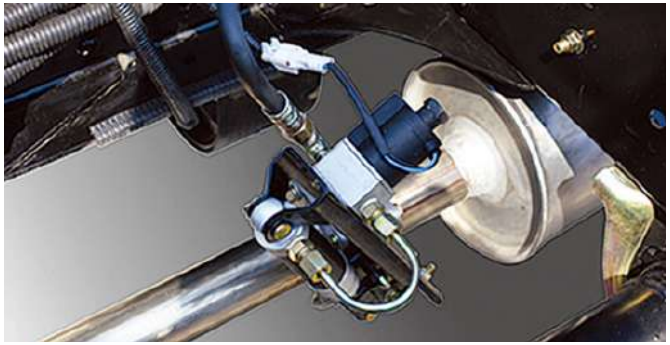
Safety comes as standard with the JAC Electric Truck, designed to provide a safe and reliable transportation solution for your business needs.

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.

Honeywell BOSCH

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Charging your vehicle

AC Connector Type

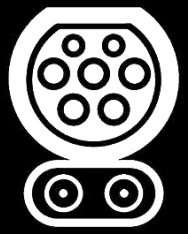
Type 2

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; O 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 redius (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 sping)+double acting shock absorber	Rear leaf spring suspension (multi sping)+double acting shock absorber	Rear leaf spring suspension (multi sping)+double acting shock absorber, rear stablizer
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	●	●	●
	USB interface	●	●	●
Charging	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

JAC SERVE MILES & SMILES

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