

JAC
MOTORS

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RF8

Product Brochure



JAC MOTORS

Elegant Colors · Distinguished Style

Available in 4 exterior colors.

Sandalwood Brown

Quantum Silver Gray

Crystal White



Oriental Blue



Exterior



PHEV Version

A dynamic dot-matrix chrome grille design, featuring energy and power.



Fuel Version

An elegant vertical waterfall grille, embodying elegance and sophistication.

Golden Proportion Ratio

A balanced dimension that ensures both business and family comfort while delivering class-leading cabin space.

This meticulously engineered proportion ensures generous interior space, seamlessly blending executive presence with family-oriented comfort for a superior all-purpose driving experience.



Wheelbase: 3,100 mm

5,215mm
Length

1,895mm
Width

1,830mm
Height



Lighting Aesthetics

Full-Length LED Light: Enhanced illumination performance for nighttime driving.

Smart Interactive Lighting: Dynamic front/rear light animations that create a ceremonial experience.

Interior

Cocoon-like cabin with a two-tone interior design and premium soft-touch surfaces.

Ideal for both family and business travel. Available in moonlight white, chestnut brown and elegant black.



Serene Cabin Experience

- The hidden air vents, paired with chrome trim, enhance the cabin's tech feel and aesthetics.
- The cabin features 64 ambient lights with adjustable warm and cool tones, creating either a cozy family atmosphere or a solemn business setting.

12.3-inch High-definition Smart Displays

- Equipped with dual 12.3-inch high-definition smart displays, JAC R8 offers wired integration with Android Auto and Apple CarPlay, delivering an intuitive and connected driving experience.



Convenient Armrest Console

- Experience luxury at your fingertips with the Crystal Gear Shifter — meticulously crafted from premium crystal glass and refined with exquisite craftsmanship.



Dual Electric Panoramic Sunroof

- Transparent Area: about 1m², offering exceptional openness and natural light.
- Adjustable Sunshades: Effectively adjusting light intensity for optimal comfort.
- One-Touch Control: An integrated switch for intuitive operation.

Comfort



Luxury and High-tech Cabin



Super-large Extendable Trunk



Leading Flat-Floor Design



Super-comfort Third-Row



Advanced NVH Performance



Super-powered Discharging
for Worry-free Journeys



Luxury and High-tech Cabin

- Front Row: Heated and ventilated seats; driver's seat with memory function.
- Second Row: Heated, ventilated, and massage seats for enhanced comfort.
- Ergonomic seats with a wide-shoulder design that fit the spine, reducing fatigue. Perforated middle cushions enhance breathability, and extra soft layers add comfort for long journeys.

Super-large Extendable Trunk

- Standard Space: 700L, easily fitting four 24-inch and four 20-inch suitcases, even with all three rows fully occupied.
- Max Expandable Capacity: 2,500L, easily handling large items and meeting diverse storage needs. Sliding third-row seats allow storage of oversized items (e.g., bicycles, furniture).



Leading Flat-Floor Design

Flat-Floor Length: 3,580mm (68.8% of wheelbase)

40mm longer than typical models in its class — providing more legroom across all three rows.

Step-In Height: Only 400mm

50mm lower than typical models in its class — allowing easier access for children and elderly passengers.



Flat-Floor Length: 3580mm

Model	Sliding Door Opening Width	Sliding Door Opening Height	Step-In Height	Central Walkway Width	Armrest Length
RF8	720	1260	400	175	549

Super-comfort Third-Row

Seat Depth: 517mm (15% deeper than average 450mm)

Seat Height: 365mm (14% taller than average 320mm)

Longitudinal Space: 1,010mm.

Featuring a well-balanced 4/6 split cabin layout with reclining third-row seats that slide 240mm — making child seat installation easier and offering greater cargo flexibility.



Model	3rd Row Seat Depth (mm)	3rd Row Legroom (mm)	3rd Row Seat Height (mm)	Child Seat Anchors (2nd/3rd Row)
RF8	517	1010	365	3



Advanced NVH Performance

Full Vehicle Acoustic Glass (Standard): Dual-pane laminated windows minimize wind and road noise, enabling quiet conversations even at highway speeds.

33-Point Soundproofing: Multi-layer insulation from underbody to roof delivers library-level quiet inside the cabin.

Super-powered Discharging for Worry-free Journeys

The second row is equipped with a 220V power outlet, providing easy access to power and ensuring a more relaxed travel experience.

- 3.3kw** External discharging power
- 220V** Power supply in the middle row
- 12V** Power supply in the luggage compartment



Outing Scene

Equipped with adjustable long-slide rails for the second and third rows and trunk area, the vehicle offers six versatile space configurations.

With the third-row seats sliding up to 240mm, the cabin allows flexible space allocation and extends maximum cargo length to 670mm — exceeding class standards.



5-in-1 Outing Scene



Family Mode



Bonding Mode



Adventure Mode



MagicBox Mode



Lounge Mode

Full Vehicle Slide Range

Model	1st Row Slide Range (mm)	2nd Row Slide Range (mm)	3rd Row Slide Range (mm)	Cargo Length (mm)
RF8	260	360	240	510-670

Performance

The RF8 PHEV combines ultra-low resistance design, a high-efficiency DHE engine, and advanced 3DHT technology to deliver outstanding fuel economy.

It achieves 5.85L/100km in urban conditions and 7.81L/100km on highways — more than 10% better than key competitors.

At its core is a 1.5TGDI DHE engine with a class-leading thermal efficiency of 44.26%, maximizing both power and energy savings.



Powerful Motivation with Persistent Output



Fuel Version

- Power train: **2.0TGDI + 8AT**
- Maximum engine power/torque: **186kW/400N·m**
- Acceleration from 0 to 100 km/h: < 9.8s
- Comprehensive fuel consumption: 8.9 L/100 km per 100 kilometers

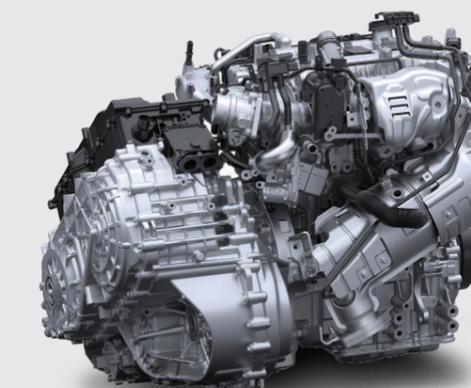
RF8

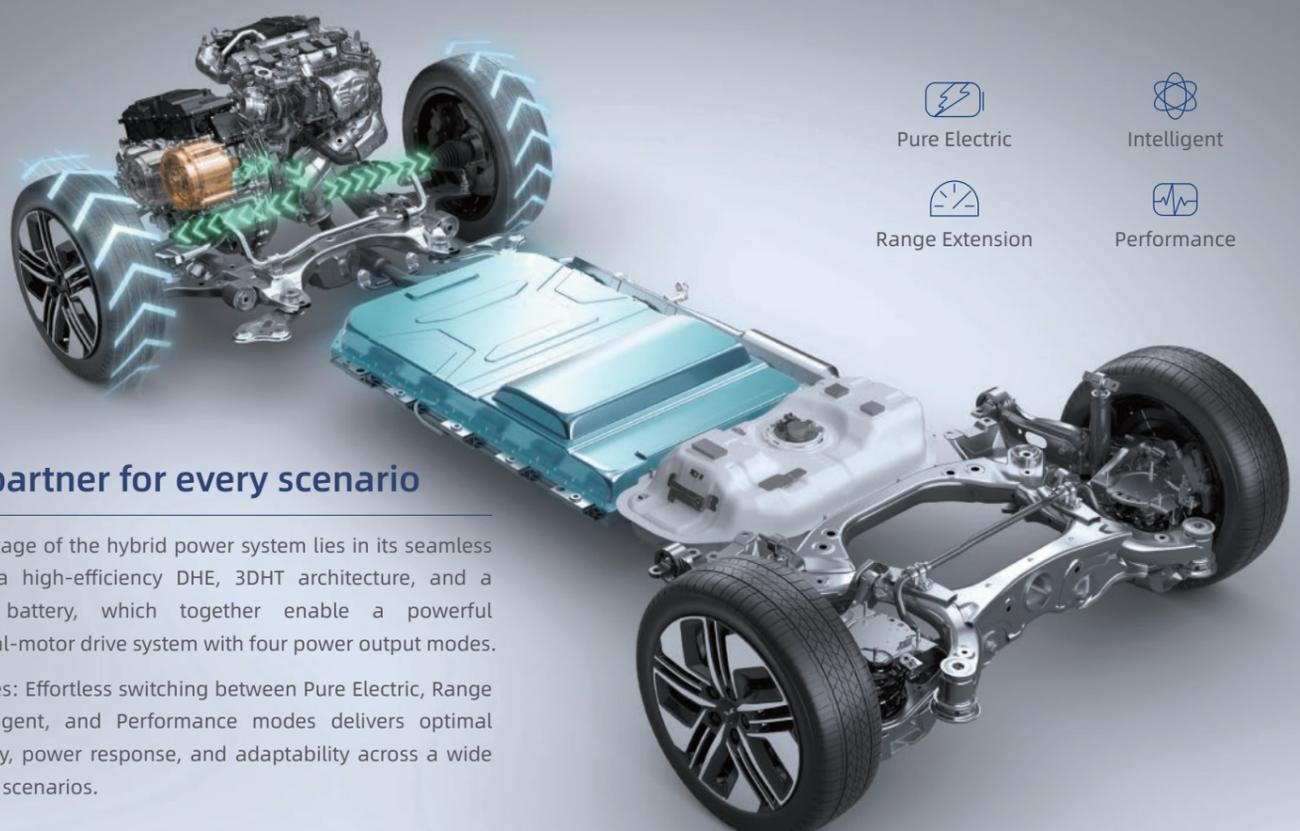
PHEV Version

- Power train: **DHE 1.5T + 3DHT**
- System Output: **310 kW / 745 N·m**
- Fuel Consumption (battery depleted): 5.4 L/100 km
- Acceleration from 0 to 100 km/h: < 7.5 s
- Pure Electric Range: 150 km

3DHT System

- As the first MPV in China equipped with the advanced 3DHT intelligent hybrid system, this model delivers a compelling combination of strong performance, exceptional fuel efficiency, and extended range.
- Compared with conventional single- or dual-gear DHT solutions, the high-performance P1+P3 dual-motor layout ensures smoother power output, lower high-speed noise and fuel consumption, and a more refined overall driving experience.





A travel partner for every scenario

The core advantage of the hybrid power system lies in its seamless integration of a high-efficiency DHE, 3DHT architecture, and a large-capacity battery, which together enable a powerful engine-and-dual-motor drive system with four power output modes.

Four Drive Modes: Effortless switching between Pure Electric, Range Extender, Intelligent, and Performance modes delivers optimal energy efficiency, power response, and adaptability across a wide range of driving scenarios.



Precision-Tuned for Excellence

Nearly 300 rounds of chassis tuning and rigorous testing across 38 key performance indicators have delivered exceptional ride comfort, handling stability, and vibration control — setting a new industry benchmark.

11.8% ↓
Roll Angle

30% ↑
Rack Force

2% ↓
Seat Amplitude



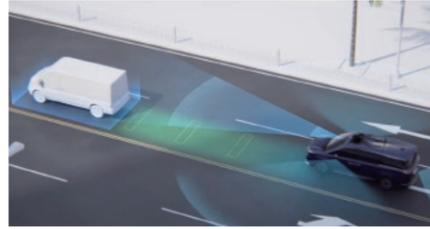
Acceleration Performance

Equipped with a dedicated hybrid engine and high-performance drive motor, the vehicle accelerates from 0 to 100 km/h in just 7.5 seconds — 15.6% faster than typical models in its class.

Real-world tests show it is 1.1 seconds quicker than single-gear systems from 0 to 60 km/h, and 2.4 to 3.4 seconds faster from 80 to 130 km/h.

Single-person Starting Acceleration (s)

Mode	0-60km/h	0-100km/h	0-120km/h
RF8	4.1	7.5	11.7



Thoughtful Care, Smart Travel

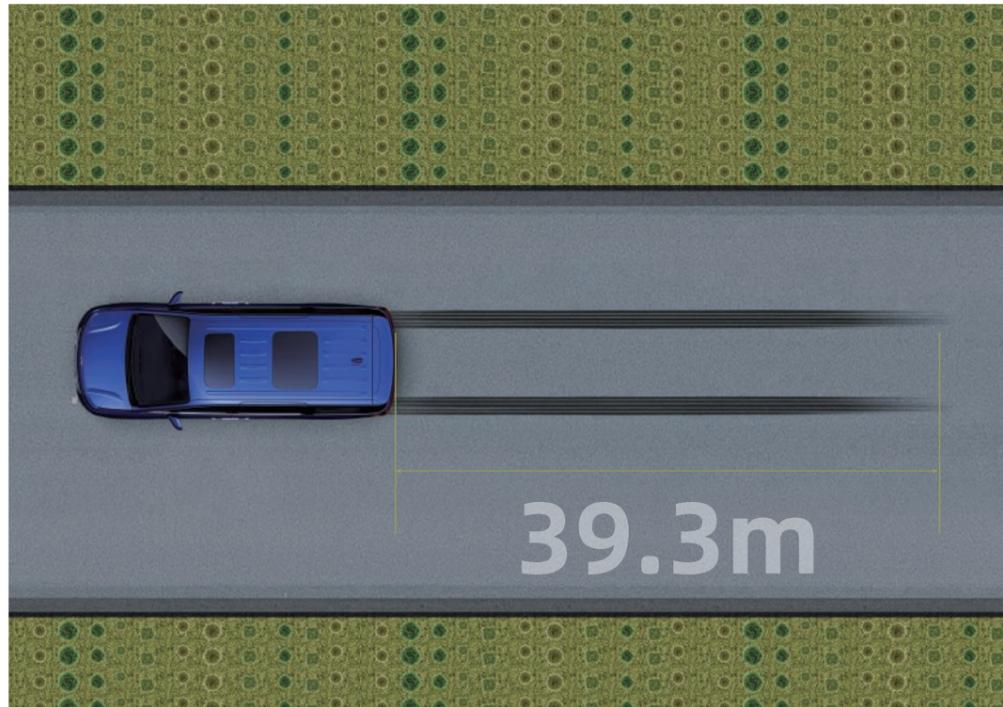
- 360° Intelligent Safety Protection
- 8MP front camera
- Dual rear millimeter-wave radars
- DMS camera with integrated controller
- L2-Level ADAS (20 Features)
- Front/Rear Automatic Emergency Braking (AEB)
- Rear Cross-Traffic Alert (RCTA)
- Door Open Warning (DOW)
- Lane Keeping Assist (LKA)
- Lane Departure Warning (LDW)

Efficient Braking Performance

The integrated brake control unit delivers outstanding active pressure build-up, achieving best-in-class braking performance with a 100-0 km/h stopping distance of just 39.3 meters — 3.9% shorter than the segment average.

The exclusive CST (Comfort Stop Technology) minimizes braking jolts, greatly enhancing ride comfort during deceleration.

Additionally, the innovative decoupled oneBox design overcomes traditional compromises among pedal travel, pedal force, and braking deceleration, providing a smoother, more comfortable pedal feel without sacrificing performance.



Safety

Test Mileage: Over 2 million kilometers of testing across diverse terrains, including mountainous roads, highways, urban streets, and rural routes.

Extreme Environment Testing: Validated for durability and stability under harsh conditions such as high altitudes (up to 4,700 m), high temperatures (47°C), and extreme cold (-40.7°C).

International Vehicle Validation: Conducted prototype adaptability tests, engine calibration, and ADAS verification in more than 10 countries, ensuring world-class quality that meets global standards.



High Temperature



Extreme Cold



High Altitude



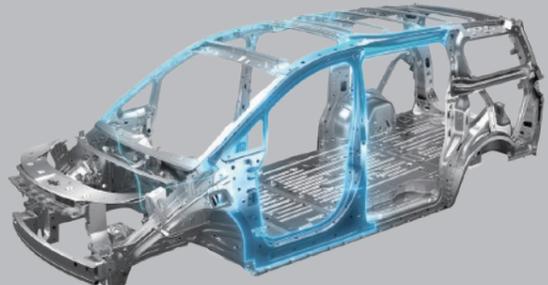
High Humidity



Mountainous Areas

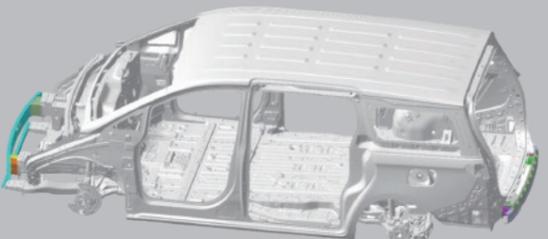
- 2 million kilometers of extreme quality verification within China
- International L2 ADAS adaptability calibration

High-Standard Passive Safety Design



With a body torsional rigidity of 32,067 Nm/°, the all-new cage-type body features double-sided hot-formed door rings. High-strength steel makes up 71% of the structure, with the ultra-high-strength, one-piece hot-formed door ring reaching 1,500 MPa—significantly enhancing overall body strength as well as compression and torsion resistance.

- 32067Nm/°**
Cage-type Body Torsional Rigidity
- 71.7%**
Proportion of High-strength Steel
- 1500MPa**
Strength Of Double-sided Integrated Hot-formed Door Rings



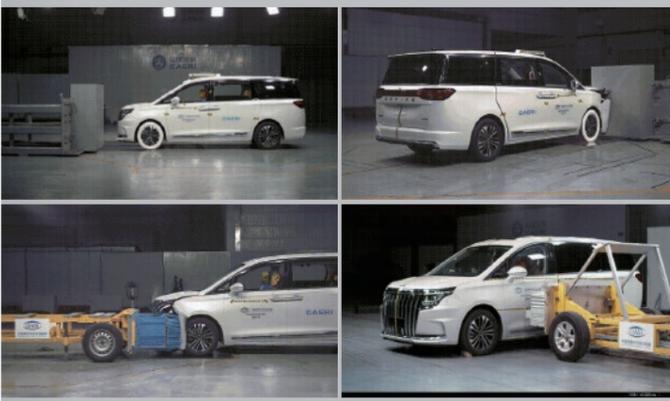
Both front and rear crash beams feature energy-absorbing boxes that absorb impact energy during collisions.

The entire model range comes standard with:

- 360° panoramic imaging
- Driver and front passenger seat side airbags
- Transparent chassis view
- Six-seat ultra-long dual-stage side curtain airbags
- Driver and front passenger airbags



6-meter bilateral roof laser integrated welding: By controlling the focal position and power of the laser beam, the welding depth and width can be precisely controlled, reducing the deformation risk of workpieces and greatly improving the precision and strength of the vehicle body.



Leading safety performance in the segment: the A-pillar remains undeformed, and airbags deploy normally, delivering outstanding overall safety results.

-  **64Km/h**
Frontal Collision
-  **50Km/h**
Opposite Collision

Specifications		PHEV Version	Fuel Version
Basic Information	Exterior Dimensions (L×W×H) (mm)	5215*1895*1830	5215*1895*1830
	Wheelbase (mm)	3100	3100
	Trunk (L)	700-2500	700-2500
	Curb Weight (kg)	2330	2110
	Tire Size	225/55 R18	225/55 R18
Motor and Chassis System	Energy Form	PHEV	Gasoline
	Transmission	P13 3DHT	8AT
	Engine	1.5TGDI	2.0TGDI
	Engine Max Power (kW)	120	186
	Engine Max Torque (N.m)	255	400
	Electrical Machinery Max Power (kw)	160	/
	Electrical Machinery Torque (N.m)	350	/
	CLTC Electric Range (km)	150	/
	CLTC Comprehensive Endurance (km)	1150	/
	Front Suspension	McPherson Type Independent Suspension	McPherson Type Independent Suspension
	Rear Suspension	Multi-link Independent Suspension	Multi-link Independent Suspension
Battery and Charging System	Brake	Vented Disc	Vented Disc
	Battery Type	LFP	/
	Battery Total Power Capacity (kwh)	27.6	/
	Type of Cooling	Liquid cooling	/
	AC Charging Time (SOC30%-80%)	4.5h	/
	DC Charging Time (SOC30%-80%)	0.5h	/
Exterior	Energy Recovery Mode	●	/
	Segmented Panoramic Sunroof	●	●
	Power Sensor Tailgate	●	●
	LED Head Lamps	●	●
	Rear View Mirror Power Fold (Auto Fold After Lock)	●	●
	Rear Privacy Glass	●	●
	One Button Up & Down for Driver Window+Anti-clamp	●	●
	One Button Up & Down for All Windows+Anti-clamp	●	●
Safety	ESP (Electronic Body Stability System)	●	●
	TPMS (Tire Pressure Monitoring System)	●	●
	EPB + AUTOHOLD	●	●
	Front Dual Airbags	●	●
	Front Side Airbags	●	●
	Side Air-curtain	●	●
	Reversing Image	●	●
360° Panoramic Image	●	●	

●:Standard /:Without

Specifications		PHEV Version	Fuel Version
Comfort & Technology	Ordinary and Multifunctional Steering Wheel	●	●
	Steering Wheel Adjust	●	●
	Center Control Large Screen Size (Inches)	12.3	12.3
	Ambient Lighting	●	●
	Automatic Air-conditioning	●	●
	Driver Seat Power Adjustment	●	●
	Codriver Seat Power Adjustment	●	●
	Driver Seat Heating	●	●
	Codriver Seat Heating	●	●
	The Second Row Separate Seat	●	●
	Seat Layout	2_2_3	2_2_3
	Wireless Phone Charging	●	●
	Speakers (Number)	12	12
	ACC (Adaptive Cruise Control)	●	●
	AEB (Automatic Emergency Brake System)	●	●
	LDW (Lane Departure Warning)	●	●
	FCW (Frontal Collision Warning)	●	●
HMA (Auto Headlamp Switch)	●	●	
LKA (Lane Keep Assistance)	●	●	
DOW (Door Open Warning)	●	●	
BSD (Blind Spot Detection)	●	●	

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●:Standard /:Without