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BEIJING X55 II-Product Introduction



BAIC INTL



Target Customer

Product Positioning

Basic Parameters

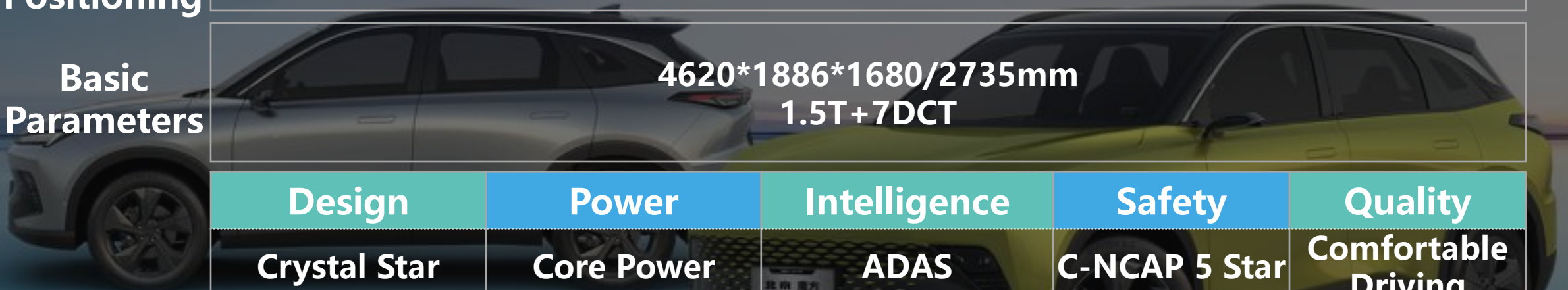
USP

Pioneer to Technology and Fashion

A-Class Smart SUV

4620*1886*1680/2735mm
1.5T+7DCT

Design	Power	Intelligence	Safety	Quality
Crystal Star	Core Power	ADAS	C-NCAP 5 Star	Comfortable Driving
Crystal Diamond Interstellar Cabin	Dual "Top 10" Power 100km acceleration 7.84S SMART Drive Mode WLTC Consumption 7.18L/100km	Advanced Driving Assistance System APA Auto Parking	C-NCAP 5 Star Design Space Fortress Body Design Comprehensive Safety Design	Healthy Cabin Inductive Panoramic Sunroof Hidden Door handle Smart Tailgate





Crystal Star Design

Design

Power

Intelligence

Safety

Quality

Crystal Stars

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Inspired by the exploration to the galaxy——Crystal Stars

LIVELY
DESIGN | CRYSTAL
STARS

BEIJING New X55 Ⅱ Crystal Stars

CHINESE AESTHETICS IN NEW ERA

PARAMETRIC
DESIGN | STARRING
GRILLE

LIGHTING
SCULPTURE | TIME
TRAVELING



Lighting Magic Surface

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Pure Curve Design

Creating a dramatic flow built by lights and shadows





Inductive Hidden Door Handles

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Pop-out door handle like a handshake



Hidden door handles
equipped on all series

- **Supercar door handle design**: greatly reduced the side wind drag coefficient and improved fuel economy
- **Automatic Pop-out**
- **Ice-break mode**



Experience: Approach the vehicle
and watch it to pop out



Split spoiler

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Aerodynamics Design

Sporty modeling, excellent turbulence performance of the split design

Makes your high-speed driving more steady





0.32 Super Low DC



Experience: Fuel economy

Best in the same level

- **0.32 DC** , super low drag coefficient
- Built in many details, **boundless low dc grille, high slope windshield, streamer surface, split tail, hidden door handles, hidden wipers, flat chassis** etc.



Flat Chassis

X55 II	Q5	X5	GLC	Cayenne
0.32	0.33	0.31	0.31	0.35

Interior, light up your night



10.25' FHD Display
Instrument Panel

10.1' FHD Central
Touchscreen Display

Aerospace Ambient Light

10 Color mode + penetrated light strip





Core Power



Dual China "TOP 10" Awarded Powertrain



Quick-response powertrain, economic and efficient



0-100KM acceleration **7.84s**
100km/h max. braking distance **35.6m**
WLTC 100km consumption **7.18L**
Comprehensive acceleration benchmark **Benz GLC**

- VGT
- Lightweight design
- 350bar+ High Tumble Ratio
- 380NM Max Torque
- Miller Circulation
- Cylinder block & cylinder head independent cooling
- Efficient energy saving configuration

Double "TOP 10" Power, highest torque within A class					
Model	X55 II	Changan UNI-T	MG one	Haval H6	CRV
Award	Dual Top 10	Top 10 Motor	Top 10 Motor	N/A	N/A
Emission	1.5TD	1.5TD	1.5TD	1.5TD	1.5TD
Power/KW	138	132	133	124	142
Torque/N·M	305	300	285	285	243

0 delay for overtaking

High Responsiveness

Most economic model

Dual top 10 power train plus smart driving, best fuel economy within A class



Dual "Top 10" Awarded Powertrain

BAIC

“中国心”2021年度
十佳发动机评选
获奖机型

北京汽车
魔核
1.5T发动机

TEN
BEST
ENGINES
2021

推荐车型
北京魔方

获奖理由
魔核1.5T发动机采用VGT可变截面增压器，具备低速响应快，高速动力强劲的特点，超宽转速范围内305牛米最大输出扭矩确保动力随叫随到。缸体和缸盖水套独立控制分流冷却，同时采用行业最浅缸体水套，大幅提升暖机速度。应用16项深度减摩措施及对整机NVH的极致追求成就了其卓越的综合品质。

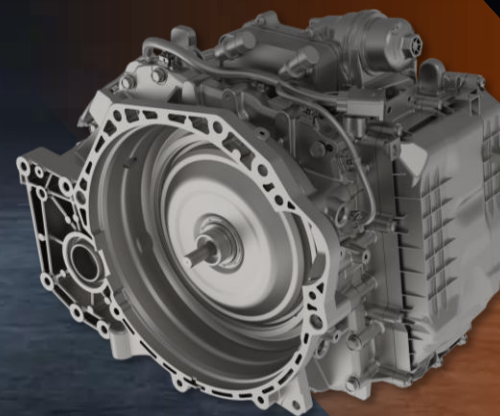
汽车之家
“中国心”年度十佳发动机评选委员会

2021 Annual
China Top 10
Engine



Magic Core1.5T

2022 Annual
LongPan Cup Top 10
Transmission



DCT 380





Magic Core 1.5T Engine



China Top 10 Engine

BAIC and Germany Meta Co-Developed

39.2% *thermal efficiency*



VGT Technology

Miller Circulation

High Tumble Ratio

350Bar Direct Injection

21 Noise Reduction Tech

40000h+ Testing

A **fast-running, fuel-less, quiet and reliable** Top 10 Engine

Model	BAIC Magic Core 1.5T	Changan Blue Vail 1.5T	Haval 1.5GDIT	VW 330 2.0T	BMW X1 2.0T
Max Power	138kW	138kW	135kW	137kW	141kW
Max torque	305N·m	300N·m	275N·m	320N·m	280N·m



Magic Core 1.5T Motor

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VGT Technology

Run fast and faster!



Compared with ordinary turbines, VGT technology adds blades with variable angles to achieve variable cross sections.



At low speed, exhaust air flow rate is increased through decreasing the section size to increase the turbine speed, so that the turbocharging efficiency is improved

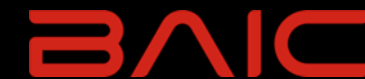


At high speed, the cross section is enlarged, the exhaust resistance is reduced, and the power output is greater

Reduce 43% low speed response time

- The engine can achieve the maximum torque of 305 nm at 1500 RPM
- 1500-4250 RPM full speed range engine

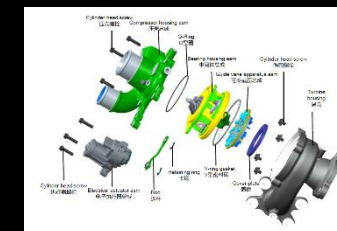
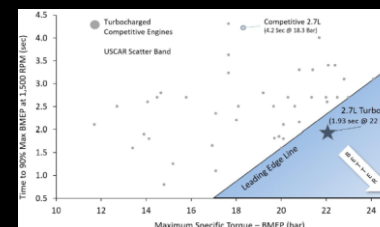
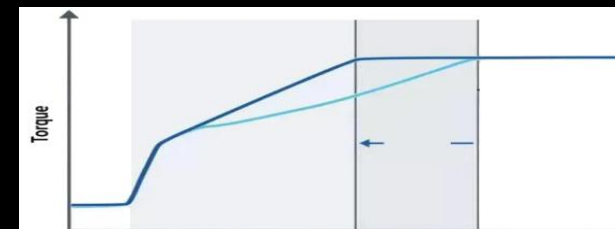
0-100km/h Acceleration



Quick start/Easy overtaking

Item	Throttle Opening	BMW-X1	X55 II
Start acceleration response time (accelerated speed 0.03g time)	25%	≤0.35	0.22
	50%	≤0.25	0.12
	75%	≤0.20	0.10
Overtake accelerated response time (60km/h accelerated speed 0.03g time)	50%	≤0.45	0.36
	75%	≤0.25	0.28

Start/Accelerate outperformed BMW-X1



Performed better than competitors in A Class

Model	X55 II	Changan UNI-T	MG one	Haval H6	CRV
100km accelerate/S	7.84	7.97	8.1	10.05	8.81
100km braking/M	35.6	36.33	37.11	37.19	35

Satisfying the needs of the driver by automatically shifting to suitable driving mode, convenient and comfortable

SMART Driving Mode

Driving Mode Memory Function

ECO
NORMAL
SPORT
SMART

Driving Mode Memory Function

With the memory function of driving mode activated, when the car is turned off under ECO and NORMAL mode, the mode will continue activating when you start the vehicle again.

According to the driver's throttle pedal opening intelligent recognition of the driver's intention, automatically switch the required driving mode.

The first model who carries driving mode memory and SMART driving mode in A class						
Model	X55 II	Haval H6	UNI-T	GS4	RX5plus	Tiguan L
Memory of driving mode	Yes	N/A	N/A	N/A	N/A	Yes
ECO	Yes	Yes	Yes	Yes	Yes	Yes
NORMAL	Yes	Yes	Yes	Yes	Yes	Yes
SPORT	Yes	Yes	Yes	N/A	Yes	Yes
SMART	Yes	N/A	N/A	N/A	N/A	Yes (Customized)

Road Condition-Drivering Behavior-Driving Mode

Be a car that understand you most: Offer you the best driving experience

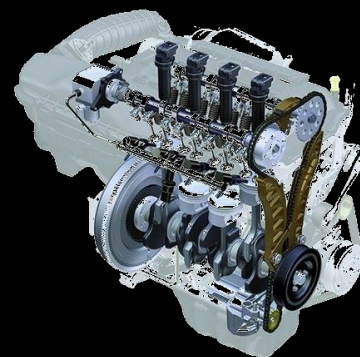
Low DC Design combined with strong powertrain

F

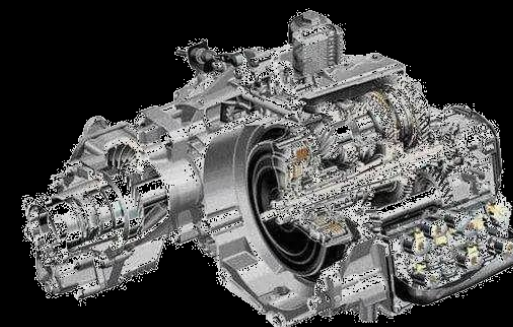
Lowest fuel consumption in A Class



Ultra low DC 0.32



39.2%Engine
thermal efficiency



Advanced transmission
efficiency

Fuel-Efficient

Shift as you wish

Lowest WLTC Consumption

Model	X55 II	Changan UNI-T	Haval H6	CRV
Consumption	7.18	7.5	8.55	7.0
DC	0.32	0.35	0.37	0.33

Multiple Driving Mode



Comfort, Economic,
SAMRT、Sport mode,
satisfy all your needs.

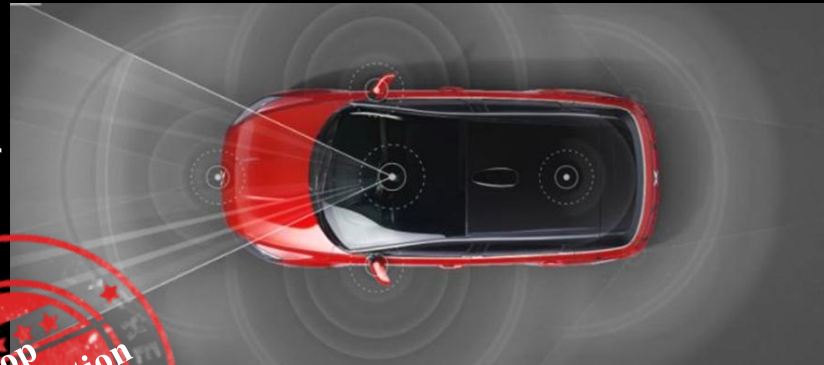


ADAS



Multiple sensors and assist driving functions

- 1 Parking area controller
- 1 Bosch 5th gen. millimeter wave radar
- 5 Driving and monitoring cameras
- 12 Ultrasonic radars



AVM (Around View Monitor)
AEB (Automatic Emergency Braking)
ACC (Adaptive cruise control)
LKA (Lane keeping assistance)
APA (One button control automatic parking System)

AVM



Through 4 megapixel HD cameras, collect images around the vehicle body, and provide images and reversing track lines when reversing to assist in accurate parking.

ACC



Intelligent cruise can be started during long-distance driving, and you can easily follow the car in front without stepping on the accelerator.



When the low-speed **traffic jam assistance** is turned on, the vehicle can automatically follow the traffic flow, and the vehicle can drive normally in the lane, which is very convenient.

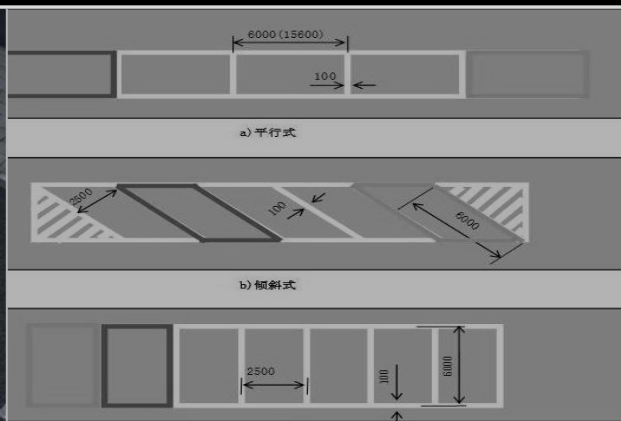
APA Automatic Parking Assistance

Multiple scenarios

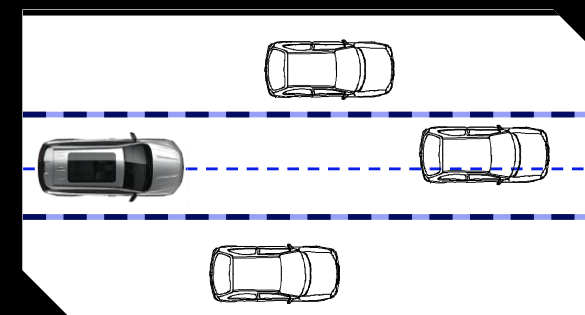
5 terrains, available in multiple parking scenario date, up to 90% parking completion rate.

Intelligent planning, low speed object avoidance

Based on sensors and related algorithms, APA can calculate the optimal parking path, automatically detect the low-speed object and make braking avoidance accordingly.



Lane keeping assistance



Measuring the distance and orientation of the vehicle relative to the lane edge detected by the camera, provide steering control for the driver and keep the vehicle driving in the lane.

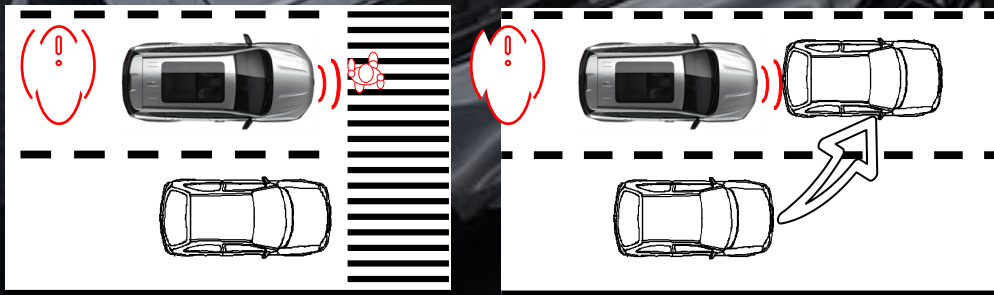
AEB Autonomous Emergency Braking

Safety guaranteed

When there is a risk of collision with vehicles or pedestrians are close to the front, AEB will turn on the alarm. After receiving the signal, the icon flash and sound alarm are activated for warning. If the driver does not respond to the above warning (including visual warning, auditory warning and short braking warning), the automatic emergency braking system will be active to avoid collision. So the driver can have more reaction time to prevent collision or reduce the injury caused by the collision



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- Wider range
- Identify stationary objectives within 5-60km/h speed
- The use of front angle radar can improve the recognition and braking for lateral moving objects

If the driver presses the brake pedal, or presses acceleration pedal hardy, or spins the steering wheel or takes other actions when AEB is in the triggering process, AEB will be deactivated since the computer detects driver is interacting.



C-NCAP Five Stars

Design

Power

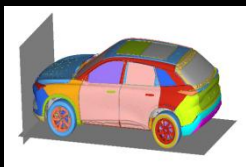
Intelligence

Safety

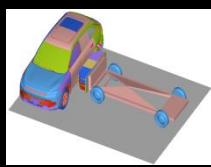
Quality

Double safety test and five-star standard escort

C-NCAP five-star standard (Version 2021)



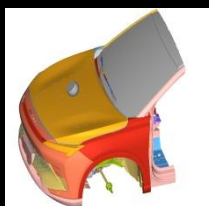
50kph front crash



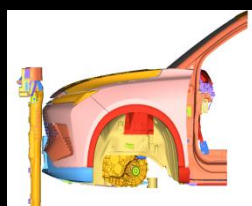
50kph side crash



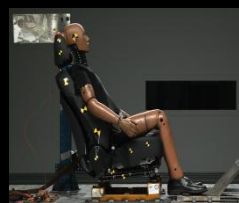
50kph MPDB



Pedestrian protection
head crash



Pedestrian protection
legs crash



Seat whiplash test

C-IASI (Version 2020)

- Front 25% offset collision
- Side crash
- Roof strength test
- Seat / headrest test



侧面碰撞		
总体评价等级		G
评价项目	评价结果	
车辆结构		G
驾驶员防护		
	头部运动保护	G
	头部和颈部	G
	躯干	G
	骨盆和腿部	G
乘员防护		
	头部运动保护	G
	头部和颈部	G
	躯干	G
	骨盆和腿部	G

Higher standards, more abundant materials, more comprehensive safety

Models	X55 II	Changan UNI-T	Boyue X	MG one	HAVAL H6
C-NCAP (Version 2021)	5 stars	5 stars	5 stars	N/A	5 stars
C-IASI (Version 2020)	Class G (5 items)	N/A	N/A	N/A	Class G (4 items)

The most advanced insurance in times of emergency.

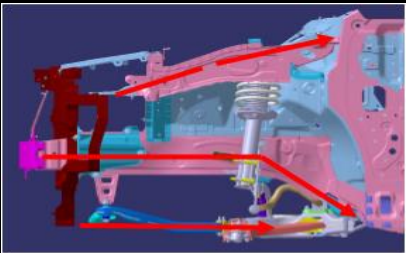
In case of an emergency, the structural design of the vehicle, side crash and head safety protection will save the lives of drivers and passengers in times of emergency.

Space fortress body design

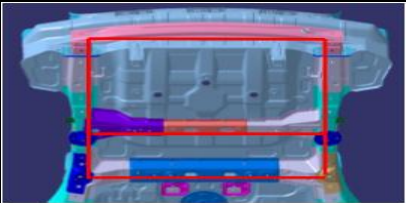


The body stiffness is 21872 N·m, which can strengthen safety protection in crash reduction and deformation.

New X55 II



✓ There are three longitudinal force transmission paths in the front cabin, which is conducive to dispersing the force. There are only two in Uni-t.



✓ Compared with uni-t single beam, double beam closed structure provides strong support.

UNI-T



Excellent structure, large quantity, high strength and abundant materials					
Models	X55 II	Changan UNI-T	MG one	HAVAL H6	Honda C-RV
Torsional rigidity N·m/deg	21872	19200	18000	19000	19000
Cross-sectional dimensions of crash beam (mm)	111*45*1.5	100*30*1.2	100*30*1.2	100*30*1.2	100*50*1.5
Double reinforced beams for front and rear doors	2	1	1	2	3

Passive safety protection system



6 airbags in all directions to reduce the degree of casualties.



Comfortable Driving

Design

Power

Intelligence

Safety

Quality

Healthy and quiet mobile space

Environment friendly and odorless



Front insulation pad



Carpet mat

The benzene is **25%** of the national standard.

The formaldehyde is **10%** of the national standard.

Antibacterial steering wheel



Antibacterial handlebar grip

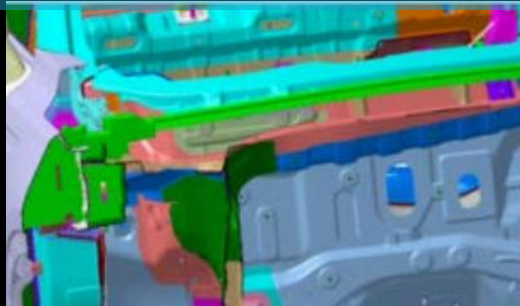


The bacteriostatic rate was **99.9%** (Staphylococcus aureus, Escherichia coli and pneumoniae)

The noise isolation of the whole vehicle is more than **25 dB**, and the noise in the vehicle is less than **67 dB** at a constant speed of 120KM/H.



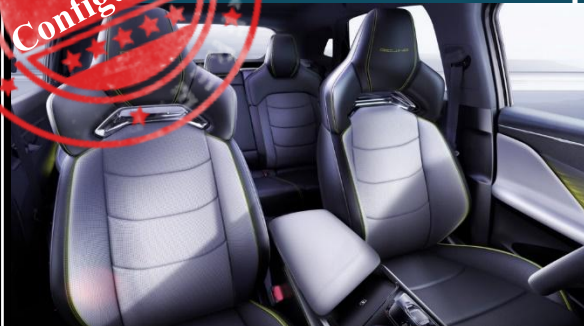
use sound absorbing materials in 29 places



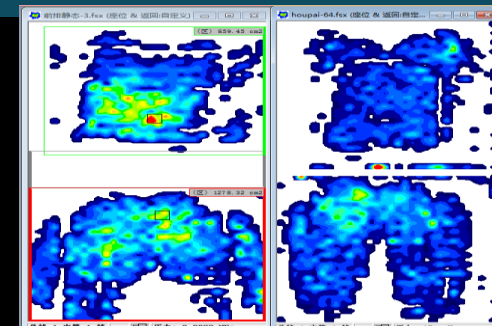
26 cavity partitions

Top Configuration

First-class cabin seat enjoyment - comfortable and powerful functions



Heating, ventilation and electric lumbar support




Multi gradient foaming hardness calibration

Induction Panoramic Sunroof & Hidden Door Handle




The high-tech sunroof from Inalfa has a large light transmission area and can auto-sense rain and close.

Inalfa-tech•Large light transmission area



Rain-sensing automatic closing



Advantages: The light transmission area is the largest among competitors, and it is also the only model equipped with the function of automatically closure sunroof in rainy days.

Models	X55 II	Changan UNI-T	Boyue X	HAVAL H6	CRV
Transmission area	0.81m ²	0.73m ²	-	0.82m ²	0.53m ²
Rainy days Automatic Closure	YES	N/A	N/A	N/A	N/A

Attractive appearance with the sense of ritual to provide you a fully satisfaction of both the internal and external!



Attractive appearance
low wind resistance



High cost: about 30% higher than mechanical door handle.



Don't worry about freezing in winter.

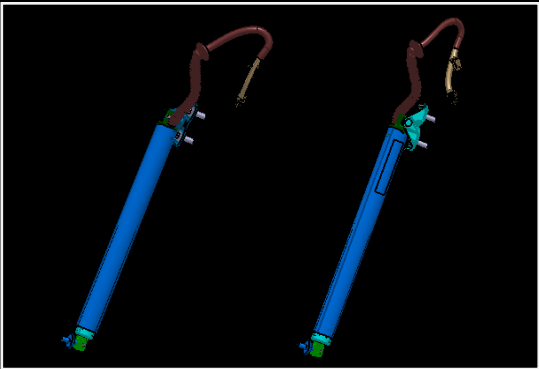
Smart welcome mode

Automatic locking function after leaving

Ice-breaking mode

Touch, automatically pop out

Handless Operation——Intelligent Tailgate



Dual electric support rods
37.2mm in diameter.



Intelligent induction entry



Delayed closure

A: Dual-drive electric struts, 37.2mm in diameter, with intelligent entry, demonstration closing, remote control opening and closing functions				
Models	C52X	Changan UNI-T	HAVAL H6	CRV
Structure	Dual-drive	Single-drive	Single-drive	Air spring
Struts diameter	37.2mm	36	36	18
Intelligent entry	Yes	N/A	N/A	N/A
Delayed off	Yes	N/A	N/A	N/A

B1: Delay Closure • Saving Time and comfortable

You can move items and just leave without having to manually close it.



B2: Induction open• Effortless

The tailgate will open automatically when the key stays at the back of the vehicle within 5 seconds.



BAIC



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