

EBU AUTO

2024 Changan Qiyuan A05 145 Air

Single-trim PDF specification sheet

Brand	Changan
Model	Qiyuan A05
Trim	145 Air
Energy	PHEV
Guide Price	USD 17,191 / RMB 116,900
CLTC Range	145 km
Battery	18.99 kWh
Motor Power	158 kW
Drive	Front-engine FWD

Basic Information

Parameter	145 Air
Official Guide Price	RMB 116,900
Manufacturer	Changan Qiyuan
Class	Compact Car
Energy Type	Plug-in Hybrid
Launch Time	2023.10
Engine Description	1.5L 110hp L4 Plug-in Hybrid
MIIT Pure Electric Range (km)	115
WLTC Pure Electric Range (km)	115
CLTC Pure Electric Range (km)	145
Combined Cruising Range	1300
Charging Time	Fast charge 30 min / Slow charge 6 h
Fast Charging Window (%)	30-80
Engine MAX Power Horsepower	-
Electric MAX Power	158(215Ps)
Engine MAX Torque	143
Electric MAX Torque	330
Transmission Description	E-CVT
Length x Width x Height (mm)	4785x1840x1460
Body Structure	4-door 5-seat sedan
Top Speed (km/h)	185
Official 0-100 km/h Acceleration (s)	6.8
WLTC Fuel Consumption (L/100km)	0.98
Energy Consumption (kWh/100km)	14.2
Equivalent Fuel Consumption (L/100km)	1.22
Fuel Consumption at Low Charge MIIT (L/100km)	4.6
Vehicle Warranty	3 years or 150,000 km
First Owner Period	6 years or 150,000 km

Body

Parameter	145 Air
Length (mm)	4785
Width (mm)	1840
Height (mm)	1460

Parameter	145 Air
Wheelbase (mm)	2765
Front Track (mm)	1570
Rear Track (mm)	1580
Minimum Ground Clearance (mm)	-
Body Structure	Sedan
Number of Doors	4
Door Opening Type	Conventional doors
Seats	5
Curb Weight (kg)	1555
Gross Weight (kg)	1965
Fuel Tank Capacity (L)	-
Cargo Volume (L)	-
MIN Turning Radius	-

Engine

Parameter	145 Air
Engine Model	JL473Q5
Cylinder Volume ML	1493
Displacement (L)	1.5
Aspiration	Naturally aspirated
Engine Layout	Transverse
Cylinder Layout	L
Number of Cylinders	4
Valves per Cylinder	4
Compression Ratio	-
Valvetrain	DOHC
Maximum Horsepower (Ps)	-
Maximum Power (kW)	81
Maximum Net Power (kW)	-
Max Power RPM	6000
Maximum Torque (N·m)	143
Max Torque RPM	4000
Engine Special Technology	-
Fuel Type	Plug-in Hybrid
Fuel Grade	92#
Fuel Supply	Direct injection
Cylinder Head Material	Aluminum alloy
Cylinder Block Material	Aluminum alloy
Emission Standard	China VI-b

Electric Motor

Parameter	145 Air
Motor Description	Plug-in Hybrid 215hp
Motor Type	Permanent magnet / synchronous
Total Motor Power (kW)	158
Total Motor Horsepower (Ps)	215
Total Motor Torque (N·m)	330

Parameter	145 Air
Front Motor Max Power (kW)	158
Front Motor Max Torque (N·m)	330
Drive Motor Count	Single motor
Motor Layout	Front

Battery / Charging

Parameter	145 Air
Battery Type	LFP battery
Battery Technology	-
Cell Brand	CALB
Battery Warranty	Lifetime warranty for first owner(subject to official terms)
Battery Capacity (kWh)	18.99
Battery Energy Density (Wh/kg)	-
Battery Charging Rate	-
Battery Charging (Summary)	Fast charge 30 min / Slow charge 6 h; ● Standard: Fast charging port
Battery Charging - Charging Time	Fast charge 30 min / Slow charge 6 h
Battery Charging - Fast Charging Port	● Standard: Fast charging port
Maximum Fast Charging Power (kW)	27
Fast Charging Port Position (Summary)	Right-side fuel filler area
Fast Charging Port Position - Right-side fuel filler area	Right-side fuel filler area
Slow Charging Port Position (Summary)	Right-side fuel filler area
Slow Charging Port Position - Right-side fuel filler area	Right-side fuel filler area
Battery Temperature Management System Heating	● Standard
Battery Temperature Management System Cooling	Liquid cooling
One-pedal Mode	-
VTOL Mobile Power Station	● Standard
VTOL Maximum External Discharge Power	3.3kW
Vtov MAX External Discharge Power	-

Transmission

Parameter	145 Air
Gearbox Description	E-CVT
Number of Gears	CVT
Transmission Type	E-CVT

Chassis / Steering

Parameter	145 Air
Drive Type	Front-engine FWD
Front Suspension	MacPherson independent suspension
Rear Suspension	Trailing-arm torsion beam non-independent suspension
Steering Type	Electric power steering
Vehicle Body Structure	Unibody

Wheels / Brakes

Parameter	145 Air
Front Brake Type	Ventilated disc
Rear Brake Type	Solid disc

Parameter	145 Air
Parking Brake Type	Electronic parking brake
Front Tire Size	215/55 R17
Rear Tire Size	215/55 R17
Spare Tire Specification	-
Parameter	-
ABS	● Standard
Brake-force Distribution (EBD/CBC)	● Standard
Brake Assist (EBA/BA)	● Standard
Traction Control (TCS/ASR)	● Standard
Body Stability System	● Standard
CAR Warning System (Summary)	-
Lane Warning System - Lane departure warning	-
Front Collision Warning - Forward collision warning	-
Rear Traffic Warning - Rear collision warning	-
Reversing Warning System - Rear cross-traffic warning	-
DOW Open Door Warning System - Door open warning	-
Active Brake	-
Blind Spot Assist	-
Lane Keeping Assist	-
Lane Centering Assist	-
Driver Fatigue Warning	-
Active DMS Fatigue Detection	-
Vital Signs Detection	-
Traffic Sign Recognition	-
Signal Recognition	-
Night Vision System	-
Parameter	-
Main Vice Airbag (Summary)	● Standard: Driver; ● Standard: Front passenger
Main Airbag - Driver	● Standard: Driver
Vice Airbag - Front Passenger	● Standard: Front passenger
Front Rear Airbag (Summary)	● Standard: Front row
Front Airbag - Front row	● Standard: Front row
Side AIR Curtain	● Standard
Main Vice Knee Airbag	-
Front Near Center Airbag	-
Seat Belt Prompted	● Standard
TPMS	Tire pressure display
Child Seat Interface	● Standard
Passive Pedestrian Protection	-
Explosion Tire	-
Navigation Assistance Control	-
Parking Radar (Summary)	● Standard: Rear
Rear Parking Radar (Detail)	● Standard: Rear
Forward CAR Departure Reminder	-
Driving Assistance Camera (Summary)	● Standard: Reverse camera

Parameter	145 Air
Driving Assistance Camera - Reverse camera	● Standard: Reverse camera
Driving Assistance Camera - 360-degree panoramic camera	-
Driving Assistance Camera - Transparent chassis camera	-
Cruise System (Summary)	● Standard: Cruise control
Cruise System - Cruise control	● Standard: Cruise control
Cruise System - Adaptive cruise control	-
Cruise System - Full-speed adaptive cruise control	-
Auto Road Change	-
Auto Road OUT IN	-
Navigation Assisted Driving	-
Automatic Drive Level	-
Auto Park Entry	-
Track Reverse	-
Memory Parking	-
Auto Park	● Standard
Uphill Support	● Standard
Steep Slope	-
Engine SAS Tech	-
Variable Suspension	-
AIR Suspension	-
AIR Suspension	-
Electromagnetic Induct Suspension	-
Variable Steer System	-
Front Slip Method	-
Rear Slip Method	-
Central Differential Lock	-
Overall Turn	-
Drive Mode (Summary)	● Standard: Sport; ● Standard: Individual; ● Standard: ECO; ● Standard: Standard / Comfort
Drive Mode 1 - Sport	● Standard: Sport
Drive Mode 6 - Individual	● Standard: Individual
Drive Mode 2 - ECO	● Standard: ECO
Drive Mode 3 - Standard / Comfort	● Standard: Standard / Comfort
Brake Energy Regeneration	● Standard
Comfortable Braking	-
LOW Speed Driving Warning	● Standard
Parameter	-
Skylight Type	-
Light Sensing Canopy	-
Roof Racks	-
Sports Appearance KIT	-
Electric Spoiler	-
Active Closed Inlet Grid	-
Alloy Wheel	● Standard
Frameless Design Door	-
Hidden Door Handle	● Standard

Parameter	145 Air
Drag Hook	-
Parameter	-
Steer Wheel Material (Summary)	● Standard: Leather
Steer Wheel Material 2 - Leather	● Standard: Leather
Steering Wheel Adjustment	Up/down + fore/aft
Elec Steer Wheel Adjustment	-
Steer Wheel Functional (Summary)	● Standard: Multi-function controls
Multifunction Steer Wheel - Multi-function controls	● Standard: Multi-function controls
Gear Shift Mode (Summary)	● Standard: Electronic gear selector
Gear Shift Mode 6 - Electronic column shifter	-
Gear Shift Mode 2 - Electronic gear selector	● Standard: Electronic gear selector
LCD Dashboard Type	Full LCD
LCD Dashboard Size (Summary)	● Standard: 10.25
LCD Dashboard Size 10.25 (Detail)	● Standard: 10.25
Parameter	-
Electric Door	-
Electric Back Door	-
Inductive Back Door	-
Electric Back Door Memory	-
Engine Anti Theft	● Standard
Central Locking CAR	● Standard
Remote KEY (Summary)	● Standard: Remote key; ○ Smart remote key; ● Standard: Bluetooth phone key
Remote KEY 1 - Remote key	● Standard: Remote key
Remote KEY 3 - Smart remote key	○ Smart remote key
Remote KEY 5 - Bluetooth phone key	● Standard: Bluetooth phone key
Keyless Entry (Summary)	○ Driver
Keyless Entry 3 - Driver	○ Driver
Keyless Start	● Standard
Engine Remote Start	● Standard
Remote Control Move	-
CAR Call	-
Header Display System	-
Built-in Driving Recorder	-
Active Noise Cancellation	-
Mobile Wireless Charging	-
Power Outlet	-
Baggage 12V Power Outlet	-
Seats	-
Seat Material (Summary)	● Standard: Leatherette
Seat Material 3 - Fabric	-
Seat Material 2 - Leatherette	● Standard: Leatherette
Sport Style Seat	-
Second Independent Seat	-
Seat Electrical Adjustment (Summary)	● Standard: Driver
Main Drive Seat Adjustment - Driver	● Standard: Driver
Stowable Third ROW Seats	-

Parameter	145 Air
Main Drive Whole Adjustment (Summary)	● Standard: Fore/aft adjustment; ● Standard: Backrest angle; ● Standard: Height adjustment
Main Drive Back AND Forth Adjustment - Fore/aft adjustment	● Standard: Fore/aft adjustment
Main Drive Backrest Adjustment - Backrest angle	● Standard: Backrest angle
Main Drive Height Adjustment - Height adjustment	● Standard: Height adjustment
Main Drive Part Adjustment	-
Vice Drive Whole Adjustment (Summary)	● Standard: Fore/aft adjustment; ● Standard: Backrest angle
Vice Drive Back AND Forth Adjustment - Fore/aft adjustment	● Standard: Fore/aft adjustment
Vice Drive Backrest Adjustment - Backrest angle	● Standard: Backrest angle
Vice Drive Part Adjustment	-
Second Seat Control Functional	-
Second Local Seat	-
Front Seat Functional	-
Rear Seat Functional	-
CO Pilot Rear Adjustable Button	-
Centre Armrest (Summary)	● Standard: Front row
Front Armrest - Front row	● Standard: Front row
Back Armrest - Rear row	-
Rear Cup Holders	-
HOT Cold CUP Holder	-
Second ROW Seat Down Ratio	-
Second ROW Small Desktop	-
Parameter	-
Center Screen Size	13.2
Center Console Screen Material	-
GPS	● Standard
AR Reality Navigation	-
Navigation System	● Standard
MAP Brand (Summary)	-
MAP Brand Amap (Detail)	-
Position Service	-
Bluetooth / Car Phone	● Standard
Mobile System (Summary)	● Standard: HUAWEI HiCar; ● Standard: Factory original system
Mobile System 8 - HUAWEI HiCar	● Standard: HUAWEI HiCar
Mobile System 11 - Carlink	-
Mobile System 5 - Factory original system	● Standard: Factory original system
Connected Car	● Standard
Data Network (Summary)	● Standard: 4G
Data Network 1 - 4G	● Standard: 4G
OTA Upgrade	● Standard
Facial Recognition	-
Fingerprint Recognition	-
Voiceprint Recognition	-
Emotion Recognition	-
Voice Recognition Control	● Standard
Voice Wake UP Free	● Standard

Parameter	145 Air
Voice Wake UP Recognition (Summary)	● Standard: Dual-zone
Voice Wake UP Recognition 2 - Dual-zone	● Standard: Dual-zone
Voice Recognition	-
Visible TO SAY	-
Voice Wake UP Word	Hello Xiao'an
Gesture Control System	-
Wi-Fi Hotspot	● Standard
Parameter	-
Multi Finger Screen Control	-
APP Store	● Standard
Multimedia Interface (Summary)	● Standard: USB/Type-C
Multimedia Interface 3 - SD card slot	-
Multimedia Interface 1 - USB/Type-C	● Standard: USB/Type-C
USB/Type-C Port Count (Summary)	● Standard: Front row: 1; ● Standard: Rear row: 1
USB/Type-C Port Count - Front row: 1	● Standard: Front row: 1
USB/Type-C Port Count - Rear row: 1	● Standard: Rear row: 1
USB Typec Interface MAX Charging Power	-
CAR TV	-
Rear LCD Screen	-
Voice Simulate	-
Karaoke	-
Sound Brand	-
Speaker	6
Rear Touch Control System	-
Parameter	-
LOW Headlamp Type	LED
High Headlamp Type	LED
Daytime Light	● Standard
Adaptive Light	-
Auto Headlamp	● Standard
Steer Assist Light	-
Front FOG Light	-
Headlamp Follow UP	-
Headlight Height Adjustment	● Standard
Headlight Clean Function	-
Interior Light	-
Active Ambient Light	-
Light Special Function	-
Light Projection Technology	-
Headlight Delay-off	● Standard
Headlamp Rain FOG Mode	-
Parameter	-
Power Windows (Summary)	● Standard: Front row; ● Standard: Rear row
Power Windows - Front row	● Standard: Front row
Power Windows - Rear row	● Standard: Rear row
Window ONE KEY Lift	All windows

Parameter	145 Air
Anti-pinch Windows	● Standard
Exter Mirror Functional (Summary)	● Standard: Power adjustment; ● Standard: Heating
Exter Mirror Elec Adjustment - Power adjustment	● Standard: Power adjustment
External Mirror Heat - Heating	● Standard: Heating
Outside Mirror Electric Folding - Power folding	-
External Mirror Auto Fold - Auto-fold when locked	-
Interior Mirror Functions	-
CAR Window Sunshade Mirror (Summary)	● Standard: Driver + no illumination; ● Standard: Front passenger + no illumination
Main Drive Window Sunshade Mirror 2 - Driver + no illumination	● Standard: Driver + no illumination
Vice Drive Window Sunshade Mirror 2 - Front passenger + no illumination	● Standard: Front passenger + no illumination
Backside Privacy Glass	-
Window Sunshade	-
Rain Induction Wiper	-
Rear Wiper	-
Multilayer Soundproof Glass	-
Front Windshield Electric Heating	-
Heated Nozzle	-
Parameter	-
A/C Control Type	Automatic
Rear Independent AIR Conditioning	-
Rear Exhaust	● Standard
Temperature Zone Control	-
CAR Purifier	-
Pm25 Filtrating Equipment	-
Negative ION Generator	-
CAR Fragrance Device	-
AQS AIR Quality Management System	-
CAR Refrigerator	-
CAR Fridge Feature	-

Smart Features

Parameter	145 Air
CAR Intelligent System (Summary)	-
CAR Intelligent System Qiyuan OS (Detail)	-
Mobile Remote Control (Summary)	● Standard: Digital key; ● Standard: Vehicle monitoring; ● Standard: Remote control; ● Standard: Charging management; ● Standard: Service appointment
Mobile Remote Control 4 - Digital key	● Standard: Digital key
Mobile Remote Control 5 - Vehicle monitoring	● Standard: Vehicle monitoring
Mobile Remote Control 6 - Remote control	● Standard: Remote control
Mobile Remote Control 7 - Charging management	● Standard: Charging management
Mobile Remote Control 8 - Service appointment	● Standard: Service appointment
Heat Pump Management System	-
Camera Count	1
Outer Camera Pixel	-
Inner Camera Pixel	-

Parameter	145 Air
Ultrasonic Radar	3
Millimeter Wave Radar	-
High Precision Position System	-
High Precision MAP	-
Sentinel Mode	-
X Communication	-
Parameter	-
User Custom PKG	Selectable exterior, interior, wheels and brakes / 1 optional package
Digital Styling Package (Summary)	Star-wing side lights,Hidden electronic door handles,DriverKeyless entry / ; ○ Optional (RMB 1,699)
Digital Styling Package (Detail)	Star-wing side lights, hidden electronic door handles, driver-side keyless entry
Digital Styling Package (Detail)	○ Optional (RMB 1,699)