



ASTON MARTIN

DBX

VEHICLE INFORMATION SHEET





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Engine

.....	All aluminium alloy, 32-valve, quad cam V8, petrol, liquid-cooled, twin-turbocharged unit featuring:
.....	Independent quad-variable camshaft timing
.....	Cylinder deactivation
.....	Engine Stop/Start
.....	Twin water-to-air charge air coolers
Capacity.....	3982 cc (244 cu. in.)
Bore	83.0 mm (3.3 in.)
Stroke	92.0 mm (3.6 in.)
Compression Ratio	8.6:1
Firing Order	1-5-4-2-6-3-7-8
Idle Speed:	
.....	650 rpm
.....	800 rpm (Sport+)
Maximum Engine Speed:	
Maximum Engine Speed (hard fuel cut)	7000 rpm
Maximum Torque	700 Nm (516 lbf ft) from 2000 - 5000 rpm
Maximum Power.....	550 PS (405 kW/542 bhp) at 6000 rpm
Maximum Speed (where permitted)	181 mph (291 km/h)
Acceleration (0-62 mph/0-100 km/h).....	4.5 seconds
Fuel System	
.....	Multi-point sequential fuel injection
Ignition	
.....	“Coil on Plug” ignition
Lubrication System	
.....	Wet sump pressurised system

Emission Control Systems

.....	Close coupled catalytic converters
.....	Evaporative loss purge system
.....	Gasoline particulate filters (GPFs) (where necessary)

Transmission

.....	9-speed automatic gearbox with Stop/Start ignition support
.....	All wheel drive system with transmission mounted transfer box, front and electronic rear differentials
.....	Front mounted transmission radiator with heat exchanger for transmission and transfer box

Gear Ratios

1 st	5.354
2 nd	3.243
3 rd	2.252
4 th	1.636
5 th	1.211
6 th	1.000
7 th	0.865
8 th	0.717
9 th	0.601
Reverse	4.798
Final.....	3.066

Suspension

.....	Adaptive triple chamber air suspension
.....	4 spring rates linked to drive mode setting
.....	95 mm of suspension range

Drive Modes

.....	Terrain+
.....	Terrain
.....	GT (default)
.....	Individual
.....	Sport
.....	Sport+



Steering

- Electric Power-Assisted Steering (EPAS) with 14.4:1 steering ratio
- 2.6 turns lock to lock
- Turning circle 12.725 metres (41.75 feet)

Brakes

- Front - Ventilated and grooved steel disc 410 mm diameter x 38 mm width with 6 piston calipers
- Rear - Ventilated and grooved steel disc 390 mm diameter x 32 mm width with single piston calipers
- Electronic park brake

Chassis Features

- Electronically Controlled Rear Differential (E-Diff)
- Electronic Brake Force Distribution (EBD)
- Hydraulic Brake Assist (HBA)
- Electronic Active Roll Control (eARC)

Dynamic Features

- Adaptive Drive Modes
- Anti-Lock Braking System (ABS)
- 4 Stage Electronic Stability Program (ESP)
- Traction Control (TC)
- Emergency Brake Assist (EBA)
- Electric Parking Brake (EPB)
- Hill Descent Control (HDC)
- Hill Start Assist (HSA)

Suspension Geometry

Refer to Workshop Manual procedure 42.01.AA - Check and Adjust the Four Wheel Alignment (Check and Adjust).

Vehicle Body

- 4 door SUV with 2+3 seating
- Aluminium bonded monocoque bodyshell
- Aluminium and composite body panels
- Panoramic glass sunroof and frameless door

Interior Dimensions

Front

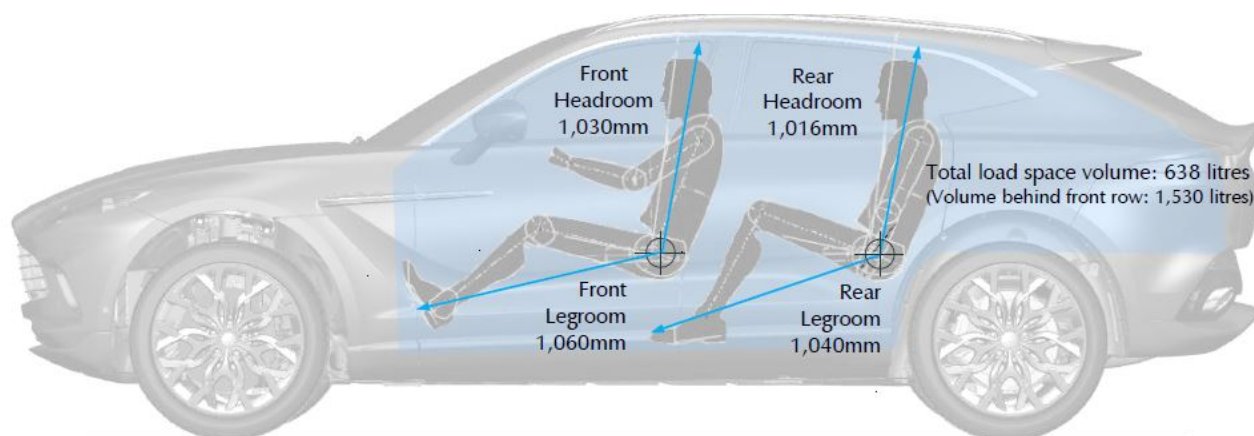
- Effective Headroom..... 1030 mm
- Effective Leg-room..... 1060 mm
- Effective Shoulder-room 1485 mm

Rear

- Effective Headroom..... 1016 mm
- Effective Leg-room..... 1040 mm
- Effective Shoulder-room 1385 mm

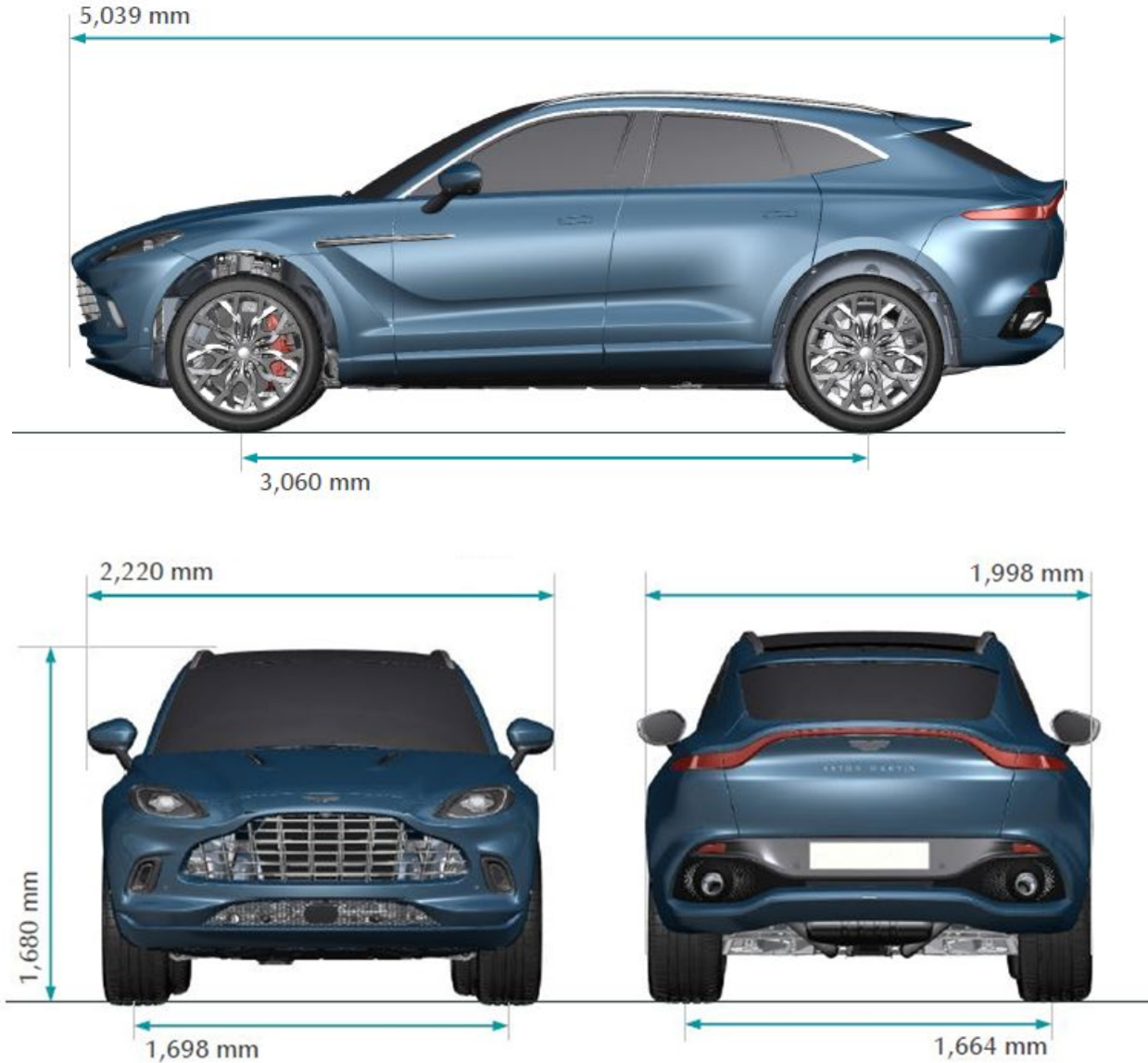
Loadspace Dimensions

- Load Space Volume (to roof) 638 litres
- Load Space Volume (under load cover)..... 491 litres
- Load Space Volume (with rear seats down) 1530 litres
- Cargo Length (up to rear seats)..... 1021 mm
- Cargo Length (up to front seats) 1780 mm
- Cargo Width (maximum) 1161 mm
- Cargo Height (floor to parcel shelf) 482 mm
- Cargo Height (floor to headlining) 693 mm
- Lift in Height (in access height)..... 810 mm

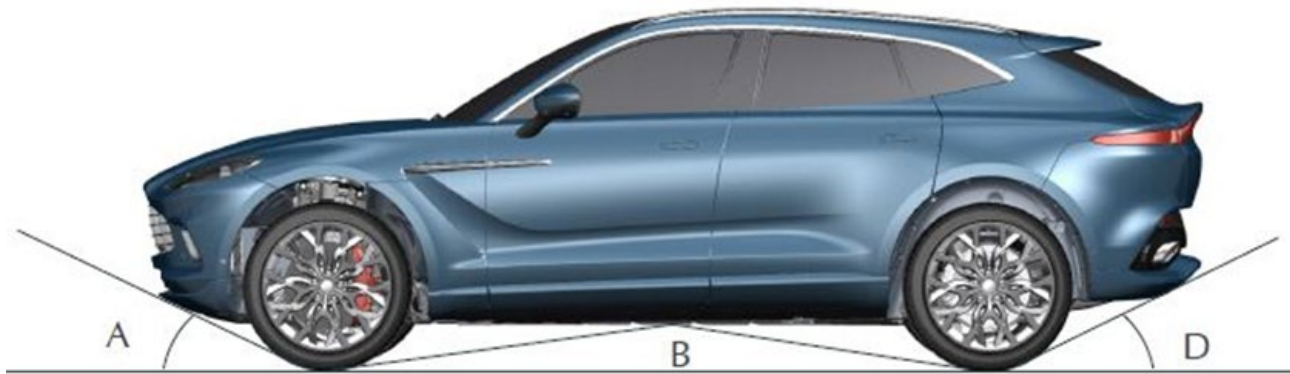


Exterior Dimensions

Length.....	5039 mm
Width	1998 mm
Width (mirrors folded).....	2050 mm
Width (mirrors out).....	2220 mm
Height.....	1680 mm
Wheelbase.....	3060 mm
Overhang (front).....	915 mm
Overhang (rear).....	1064 mm
Track (front)	1698 mm
Track (rear).....	1664 mm



Multi-Terrain Capabilities



Clearances

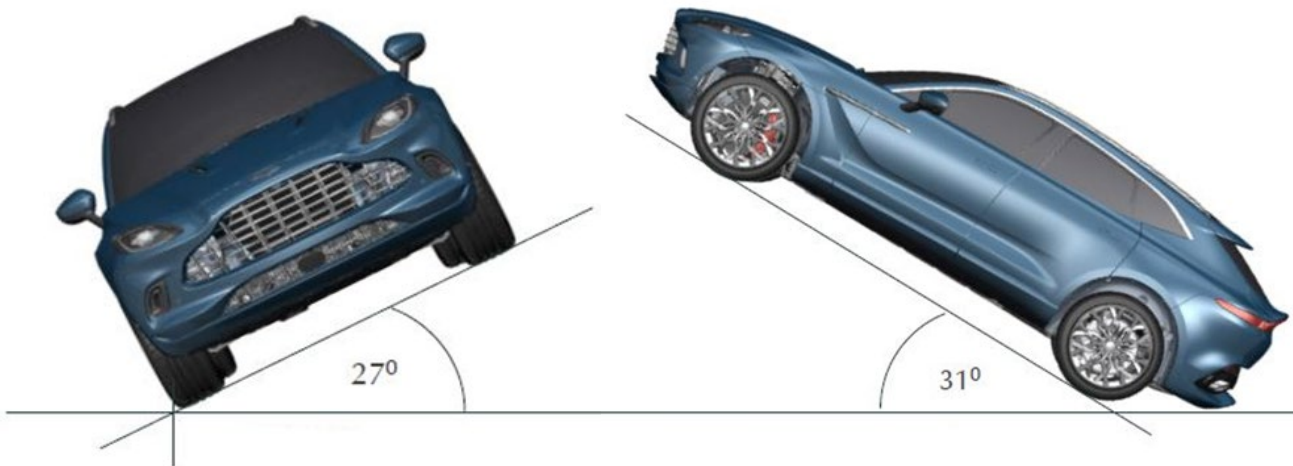
- A - Approach Angle
- B - Breakover
- D - Departure Angle
- Ground Clearance

GT

- 22°
- 15°
- 24°
- 190 mm

Terrain +

- 26°
- 19°
- 27°
- 235 mm





Vehicle Weights

Unladen Mass	2245 kg
Gross Vehicle Weight (GVW).....	3035 kg
Unbraked Towing Capacity	750 kg
Maximum Payload (The Americas).....	680 kg
Maximum Payload (ROW).....	730 kg
Maximum Luggage Compartment Load	100 kg
Maximum Roof Load (Includes Mounting Equipment).....	100 kg
Braked Towing Capacity.....	2700 kg
Maximum Tow Bar Nose Load (Detachable).....	120 kg
Maximum Tow Bar Nose Load (2 inch/50mm).....	227 kg
Gross Train Weight (GTW).....	5735 kg

Battery Information

Battery Voltage	12V	48V
Type	Banner H8 Absorbent Glass Mat (AGM)	Lithium-Ion
Rated Voltage	12V	48V
Capacity	92 Ah (K20)	8 Ah (K20)
Cold Cranking Amps	520 (DIN), 850 (EN)	N/A

To access the vehicle battery, refer to workshop manual procedure: 63.01.AH – Battery Assembly (Remove and Install New Part).

WARNING: THE 48V BATTERY MUST NEVER BE USED IN A JUMP START SCENARIO TO EITHER SUPPLY OR RECEIVE POWER. THERE IS A RISK OF SERIOUS DAMAGE TO THE BATTERIES AND THE ELECTRICAL SYSTEM ON ONE OR BOTH VEHICLES, WHICH CAN CAUSE INJURY OR DEATH.

WARNING: NEVER CONNECT EXTERNAL ELECTRICAL EQUIPMENT, SUCH AS A BATTERY CHARGER, TO THE 48V BATTERY. THERE IS A RISK OF SERIOUS DAMAGE TO THE BATTERIES AND THE ELECTRICAL SYSTEM, WHICH CAN CAUSE INJURY OR DEATH.

Lubricants, Fluids and Capacities

Use	Lubricant/Fluid	Quantity
A/C Refrigerant	HFO-1234yf/R1234yf	750 ± 10g
Brake Fluid	Castrol React Performance DOT 4	1.06 litres/1.12 US quarts
Coolant:		
Engine	50% BASF Glysantin® G40®/50% clean water	15.18 litres/16.04 US quarts
Charge Cooler		10.1 litres/10.7 US quarts
Engine Oil (Service Fill)	Premium-branded fully-synthetic high-performance engine oil of viscosity SAE 0W-40 which meets, or is better than the requirements of specifications API SN or ILSAC GF-5.	9 litres/9.5 US quarts
Fuel	Minimum octane rating 95 RON unleaded fuel. 98 RON Super unleaded recommended for optimum performance.	87 litres/23.0 US gallons total capacity
Automatic Transmission	Shell GTL D971	9.3 litres/9.8 US quarts
Transfer Case	Fuchs Titan EG ATF134FE	0.73 litres/0.77 US quarts
Front Differential	Fuchs Titan Sintopoid FE 75W-85	0.55 litres/0.58 US quarts
Rear Differential	Castrol Syntrax Limited Slip 75W-140	1.20 litres/1.26 US quarts
Screen Wash Reservoir	Solution of clean water and screenwash concentrate, mixed in proportions applicable to possible ambient temperatures.	4.24 litres/4.4 US quarts



Wheel Specification

	Front	Rear
Size	10J X 22"	11.5J X 22"
Offset.....	ET56	ET56

Wheel Bolt Tightening

Refer to Workshop Manual procedure: 42.01.AB – Wheel and Tyre (Remove and Install New Part).

Tyre Information

Standard:

Front..... Piorelli P Zero 285/40 R22 Y110

Rear..... Piorelli P Zero 325/35 R22 Y114

All Season:

Front..... Piorelli Scorpion Zero 285/40 R22 Y110

Rear..... Piorelli Scorpion Zero 325/35 R22 Y114

Winter:

Front..... Piorelli Scorpion 285/40 R22 Y110

Rear..... Piorelli Scorpion 325/35 R22 Y114

Note: Tyres have a maximum load rating not less than 1060 kg (2337 lbs) front and 1180 kg (2601 lbs) rear, or a load index of 110 (front) and 114 (rear).

WARNING: THE RECOMMENDED WINTER TYRES HAVE LOWER MAXIMUM SPEED AND LOAD RATINGS THAN THOSE RECOMMENDED FOR SUMMER USE. WHEN YOU INSTALL WINTER TYRES, YOU MUST REDUCE THE MAXIMUM SPEED LIMIT OF THE VEHICLE.

Tyre Pressures

Front tyres..... 2.6 Bar (38 psi)

Rear tyres..... 2.6 Bar (38 psi)

Inflatable spare..... 4.2 Bar (61 psi)