

## DB12 VOLANTE TECHNICAL SPECIFICATION

### Body

Two Door Volante Body Style with 2+2 Seating  
Extruded Bonded Aluminium Body Structure with Composite Panels  
Deployable spoiler with Aston Martin Aeroblade system

### Engine

4.0-litre V8 Twin-Turbo  
Water-to-air-charge cooling  
Front mid mounted engine, rear wheel drive

Maximum power: 680PS / 671bhp / 500kw @ 6,000rpm  
Maximum torque: 800Nm / 590 lb-ft @ 2,750 – 6,000rpm  
Top speed: 202mph / 325km/h  
0-60mph: 3.6s  
0-62mph / 0-100km/h: 3.7s

Compression ratio: 8.6  
Dual Variable Camshaft Timing  
Fully CNC machined combustion chambers

### Transmission

Rear mounted eight-speed automatic transmission  
Torque converter  
Electronic rear limited slip differential  
Carbon fibre prop shaft

### Gear ratios

1st Gear Ratio:	4.714	2nd Gear Ratio:	3.143	3rd Gear Ratio:	2.106
4th Gear Ratio:	1.667	5th Gear Ratio:	1.285	6th Gear Ratio:	1
7th Gear Ratio:	0.839	8th Gear Ratio:	0.667	Final Drive:	3.083

### Steering

Variable Electrical Power Assistance  
Steering ratio: 13.09.1  
Turns lock to lock: 2.375

### Suspension

Front - Independent Double Wishbone, Coil Springs & Anti-Roll Bar  
Rear - Multi-link Suspension, with Coil Springs & Anti-Roll Bar

Adaptive Damping System (ADS) with Skyhook Technology & Intelligent Adaptive Dampers

### **Drive Modes**

Five selectable drive modes: Wet, GT, Sport, Sports Plus and Individual (Tailoring Drivetrain, Steering and Chassis calibrations)

Advanced Driver Assistance Systems (ADAS)

Forward Collision Warning

Autonomous Emergency Braking

Adaptive Cruise control with Stop & Go function

Lane Departure Warning

Lane Keep Assist

Auto High Beam

Traffic Sign Recognition

Blind Spot Monitoring

Door Open Assist

Rear Cross Traffic Assist

Driver Drowsiness Detection (Coffee Cup)

360° 3D Surround Camera view

### **Wheels and Tyres**

21" Wheels

Michelin Pilot Sport 5 S with bespoke compound for DB12 (Summer Tyre)

Michelin Pilot Alpin 5 with bespoke compound for DB12 (Winter Tyre)

Front: 275/35/ZR21

Rear: 325/30/ZR21

### **Brakes & Chassis Systems**

Steel Brake System

Front: 400mm x 36mm 6-piston Caliper

Rear: 360mm x 36mm with a 4-piston Caliper

Carbon Ceramic Brake System

Front: 410mm x 38mm Carbon Ceramic Disc

Rear: 360mm x 38mm Carbon Ceramic Disc

Electric Park Brake

Dynamic Stability Control (DSC)

Anti-lock braking system (ABS)

Electronic Brake Distribution (EBD)

Emergency Brake Assist (EBA)

Traction Control (TC)

Hydraulic Brake Assist (HBA)

Positive Torque Control (PTC)

Dynamic Torque Vectoring (DTV)

## **Dimensions**

Height: 1,295 mm  
Width (including mirrors): 2,135 mm  
Width (mirrors folded): 2,060 mm  
Length: 4,725 mm  
Wheelbase: 2,805 mm  
Ground Clearance: 95 mm  
Front Overhang: 925 mm  
Rear Overhang: 995 mm  
Approach Angle: 10.1 °  
Approach Angle: (with lower body packs): 10 °  
Departure Angle: 20.5 °  
Boot Volume: 262 litres  
Fuel Tank: 78 litres  
Weight : 1796kg \*dry weight  
Weight Distribution (Front:Rear): 47:53  
Turning Circle: 12.4 m

Fuel Economy & Emissions (EU WLTP)  
Combined: 12.2 l/100km | 23.2mpg  
CO2 Combined: 276 g/km

## **DESIGN**

### **Standard Specification (Exterior)**

Paint - Solid  
Lower Body Package – Body Colour  
Upper Body Package – Body Colour  
21" Five Spoke Wheel - Satin Silver  
Grille – Satin Chrome Vaned  
Brake Calipers – Dark Grey Anodised  
Brake Discs – Steel Brake System  
Tail Lights - Red  
Hood - Black  
Badging – Enamel Wings Badge with Green Infill  
Clear Glass

### **Standard Specification (Interior)**

Interior Trim – Create – Haircell Leather  
Seating – Comfort Seat  
Trim Split – Monotone  
Stitch – Matched  
Brogue – Matched I  
Seatback – Leather  
Header and A-Pillar – Black Alcantara  
Roekona - Black

Carpet – Black 600GSM  
Seat Technology - Seat Heating  
IP and Door Trim inlay – Gloss Black  
Centre Trim Inlay – Gloss Black  
Interior Jewellery – Satin Chrome  
Steering Wheel - Sports - Colour Keyed Leather  
Seatbelt - Black  
Audio – Aston Martin Audio

### **Optional Features (Exterior)**

Paint  
Metallic  
Signature metallic  
Racing Line  
Q – Satin  
Q – Special  
Q – Heritage

Lower Body Package  
Gloss Black  
Gloss 2x2 Twill Carbon Fibre

Upper Body Package  
Gloss Black  
Gloss 2x2 Twill Carbon Fibre

Privacy Glass<sup>2</sup>

Brake Calipers – Painted:  
Black<sup>3</sup>  
Red  
Silver  
Yellow  
Bronze  
New Aston Martin Racing Green

Hood  
Red  
Blue  
Black and Silver

Tail Lights  
Smoked

21" Wheels  
Multi Spoke Wheel – Satin Platinum  
Multi Spoke Wheel – Satin Black

Multi Spoke Wheel – Satin Black Diamond Turned  
Y Spoke Wheel – Satin Bronze  
Y Spoke Wheel – Satin Black  
Y Spoke Wheel – Satin Black Diamond Turned  
Badging  
Black Chrome Wings Badges

Optional Features (Interior)  
Seating  
Sports Plus Seat<sup>4</sup>  
Carbon Fibre Performance Seat

Interior Trim  
Accelerate – Haircell Leather & Alcantara  
Inspire – Semi Aniline Leather  
Inspire Sport – Semi Aniline Leather & Alcantara

Trim Split  
Duotone

Seat Technology  
Seat Ventilation<sup>5</sup>  
16- way Seat Adjustment<sup>5</sup>

Seatback - Matched to Door Trim Inlay

Header and A-Pillar  
Coloured Alcantara  
Leather – Matched to Environment<sup>6</sup>

Carpet  
Coloured Carpet 720GSM

Trim Inlay  
Light Brushed Aluminium  
Dark Brushed Aluminium  
Light Ash Open Pore Wood  
Dark Walnut Open Pore Wood  
Satin 2x2 Twill Carbon Fibre<sup>7</sup>

Jewellery  
Dark Satin Chrome

Steering Wheel  
Heated and Colour Keyed Sports Wheel

Seatbelt  
Core Palette

Audio  
Bowers & Wilkins Audio

Personalisation  
Heavy pile floor mats  
Garage Door Opener

- 1 Only available with Inspire Comfort interior environment
- 2 Not available in all markets
- 3 Standard with Carbon Ceramic Brakes
- 4 Only available with Accelerate and Inspire Sport interior environments
- 5 Sport & Sport Plus Seats only
- 6 Standard on Inspire Comfort & Inspire Sport interior environments
- 7 only available with Carbon Fibre Interior Pack

NB. Remote key functionality for roof mechanism not available in US market (FED)