

## TECHNICAL SPECIFICATION – PETROL

	1.2 litre TSI 105 PS	1.2 litre TSI 105 PS	1.4 litre TSI 160 PS	2.0 litre TSI 200 PS Sport, Turbo Black, Turbo Silver	2.0 litre TSI 200 PS Sport, Turbo Black, Turbo Silver
	Beetle, Design	Beetle, Design	Design, Sport		

### Engines

engine type	Four cylinder	Four cylinder	Four cylinder	Four cylinder	Four cylinder
cubic capacity, ltrs/cc	1.2/1197	1.2/1197	1.4/1390	2.0/1984	2.0/1984
max. output, PS <sup>1</sup> /kW at rpm	105/77 @ 5000	105/77 @ 5000	160/118 @ 5800	200/147 @ 5100	200/147 @ 5100
max. torque, lbs.ft/Nm at rpm	129/175 @ 1550-4100	129/175 @ 1550-4100	177/240 @ 1500-4500	207/280 @ 1700-5000	207/280 @ 1700-5000
gearbox:	6 speed manual	7 speed auto DSG	6 speed manual	6 speed manual	6 speed auto DSG

### Weights, kgs

unladen weight <sup>2</sup>	1274	1297	1359	1391	1417
gross vehicle weight	1680	1700	1750	1830	1860
payload <sup>2</sup>	481	478	466	488	486
axle load limit: front/rear	910/820	930/820	980/820	1010/870	1030/870

### Roof load

max. roof load	50	50	50	50	50
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### Performance

top speed, mph (km/h), where the law permits	112 (180)	112 (180)	129 (208)	140 (225)	139 (223)
acceleration, secs 0 - 62 mph	10.9	10.9	8.3	7.5	7.5
ABI insurance group, 1 - 50	10E, 11E	10E, 11E	18E, 18E	24E, 24E, 24E	24E, 24E, 24E

### Environmental information

fuel grade, minimum	Unleaded, 95 RON	Unleaded, 95 RON	Unleaded, 95 RON	Unleaded, 95 RON	Unleaded, 95 RON
fuel tank capacity, galls/ltrs <sup>4</sup>	12/55	12/55	12/55	12/55	12/55
official fuel consumption, mpg/ltr per 100 km <sup>5</sup>					
urban	37.2/7.6	38.7/7.3	32.5/8.7	28.8/9.8	28.0/10.1
extra-urban	56.5/5.0	56.5/5.0	53.3/5.3	47.9/5.9	46.3/6.1
combined	47.9/5.9	47.9/5.9	42.8/6.6	38.7/7.3	37.2/7.6
official CO <sub>2</sub> emission, g/km <sup>6</sup>	137	137	153	169	176
emission class	EURO 5	EURO 5	EURO 5	EURO 5	EURO 5
noise, dB	72.0	69.0	72.0	71.0	74.0

## TECHNICAL SPECIFICATION – DIESEL

	1.6 litre TDI 105 PS BlueMotion Technology Beetle, Design	1.6 litre TDI 105 PS BlueMotion Technology Design	2.0 litre TDI 140 PS	2.0 litre TDI 140 PS
			Design, Sport	Design, Sport

### Engines

engine type	Four cylinder	Four cylinder	Four cylinder	Four cylinder
cubic capacity, ltrs/cc	1.6/1598	1.6/1598	2.0/1968	2.0/1968
max. output, PS <sup>1</sup> /kW at rpm	105/77 @ 4400	105/77 @ 4400	140/103 @ 4200	140/103 @ 4200
max. torque, lbs.ft/Nm at rpm	185/250 @ 1500-2500	185/250 @ 1500-2500	236/320 @ 1750-2500	236/320 @ 1750-2500
gearbox:	5 speed manual	7 speed auto DSG	6 speed manual	6 speed auto DSG

### Weights, kgs

unladen weight <sup>2</sup>	1368	1388	1395	1417
gross vehicle weight	1760	1780	1790	1810
payload <sup>2</sup>	467	467	470	468
axle load limit: front/rear	990/820	1010/820	1020/820	1040/820

### Roof load

max. roof load	50	50	50	50
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### Performance

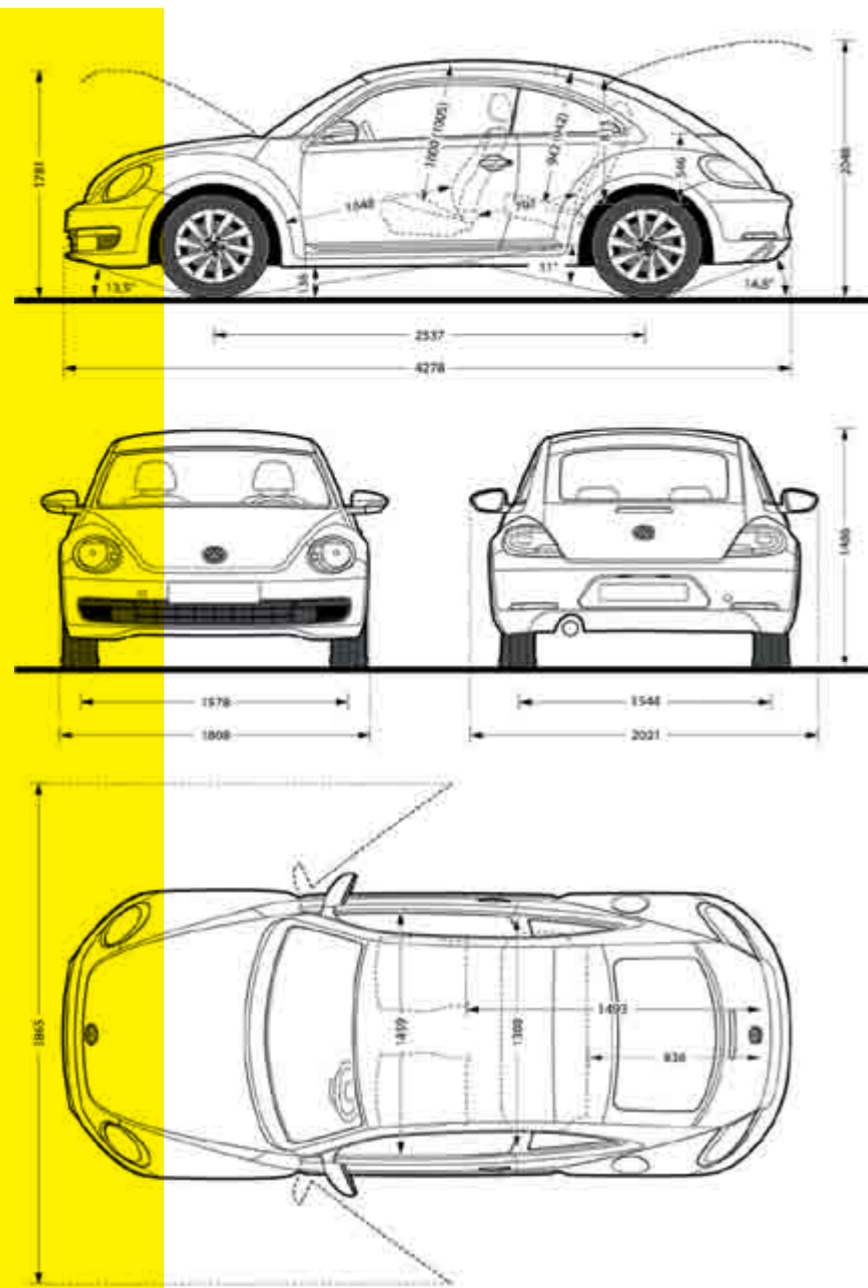
top speed, mph (km/h), where the law permits	112 (180)	111 (178)	123 (198)	121 (195)
acceleration, secs 0 - 62 mph	11.5	11.5	9.4	9.4
ABI insurance group, 1 - 50	11E, 12E	12E	17E, 17E	17E, 17E

### Environmental information

fuel grade, minimum	Diesel <sup>3</sup>	Diesel <sup>3</sup>	Diesel <sup>3</sup>	Diesel <sup>3</sup>
fuel tank capacity, galls/ltrs <sup>4</sup>	12/55	12/55	12/55	12/55
official fuel consumption, mpg/ltr per 100 km <sup>5</sup>				
urban	55.4/5.1	58.9/4.8	44.8/6.3	40.9/6.9
extra-urban	72.4/3.9	68.9/4.1	67.3/4.2	61.4/4.6
combined	65.7/4.3	65.7/4.3	57.6/4.9	52.3/5.4
official CO <sub>2</sub> emission, g/km <sup>6</sup>	113	114	129	140
emission class	EURO 5	EURO 5	EURO 5	EURO 5
noise, dB	72.0	69.0	72.0	69.0

### Technical specification notes

- The maximum power output figures are quoted in PS (or Pferdestärke, which is the metric equivalent of horsepower). To convert from metric to imperial horsepower, divide the PS figure by 1.0139.
- Figures are calculated in accordance with manufacturer's criteria. The individual unladen weight depends on the specification of the vehicle, this then reduces the possible payload accordingly. The unladen weight and payload both include the fuel tank 90% full, driver (68 kg) and luggage (7 kg) in line with EU directive 95/48.
- The use of 100% RME and FAME (bio diesel) is not possible. Forecourt diesel with up to 7% bio diesel content, adhering to standard BS EN 590, can be used in diesel engines. The use of ethanol in forecourt petrol meeting BS EN 228 is allowable.
- The size of the fuel tank is approximate and therefore it may be possible to add a greater amount of fuel than the size of the tank specified, due to the space in the filler neck.
- Official fuel consumption according to EU Directive 99/94. The consumption calculation according to 1999/100/EC is based on the actual unladen weight of the vehicle. Additional specifications can lead to a higher weight class and hence to consumption figures of this higher weight class. The driving style, road and traffic conditions, environmental influences and vehicle condition can in practice lead to consumption figures, which may differ from those calculated with this standard.
- The weight of a vehicle will influence the level of CO<sub>2</sub> emission it produces; as a result, vehicles with higher levels of specification and factory-fitted options may emit higher levels of CO<sub>2</sub>.



## Maximum luggage capacity, litres VDA measuring method using 200 x 100 x 50 mm blocks

### Beetle, Design, Sport, Turbo Black, Turbo Silver

With rear seat upright	310
With rear seat folded	905

### Exterior dimensions

Length, mm	4278
Width – excluding door mirrors, mm	1808
Width – including door mirrors, mm	2021
Width – opened front doors, mm	3865
Height, mm	1486
Height – opened bonnet/floor, mm	1781
Height – opened tailgate/floor, mm	2048
Wheelbase, mm	2537
Turning circle, m	10.8

### Interior dimensions

Effective headroom – front, mm	1000
Effective headroom – front with sunroof, mm	1005
Effective headroom – rear, mm	942
Effective headroom – rear with sunroof, mm	942
Elbow width – front, mm	1459
Elbow width – rear, mm	1308
Legroom – front, mm	1048
Legroom – rear, mm	797

On illustrations, where arrows and figures are shown inside of the vehicle, the measurements are for interior dimensions. Where arrows and figures are shown outside of the vehicle, the measurements are for exterior dimensions.

## Engines

1.2 litre/105 PS<sup>(01)</sup> (77 kW) petrol engine:

EU5 emissions standard, four cylinder in-line direct injection engine, two valves per cylinder and turbocharger module with electric boost pressure regulation. Available with a six speed manual or a seven speed automatic DSG transmission

1.4 litre/160 PS<sup>(01)</sup> (118 kW) petrol engine:

EU5 emissions standard, four cylinder in-line direct injection twin-charged engine with four valves per cylinder, a supercharger and a turbocharger. Available with a six speed manual transmission

2.0 litre/200 PS<sup>(01)</sup> (147 kW) petrol engine:

EU5 emissions standard, four cylinder in-line direct injection turbocharged engine. Fitted with four valves per cylinder and a turbocharger. Available with a six speed manual or a six speed automatic DSG transmission

1.6 litre/105 PS<sup>(01)</sup> (77 kW) common rail diesel engine:

EU5 emissions standard, four cylinder in-line common rail diesel engine, with four valves per cylinder. Fitted with a turbocharger and a DPF (diesel particulate filter). Available with a five speed manual or a seven speed automatic DSG transmission

2.0 litre/140 PS<sup>(01)</sup> (103 kW) common rail diesel engine:

EU5 emissions standard, four cylinder in-line common rail diesel engine, with four valves per cylinder. Fitted with a turbocharger and a DPF (diesel particulate filter). Available with a six speed manual or a six speed automatic DSG transmission

(01) The maximum power output figures are quoted in PS (or Pferdestärke, which is the metric equivalent of horsepower). To convert from metric to imperial horsepower, divide the PS figure by 1.0139

## Transmission

- Front wheel drive through asbestos-free single-plate dry clutch. Hydraulic clutch mechanism. Five or six speed manual, six or seven speed automatic DSG gearbox with double joint half axles
- Electronic differential lock, combined with a hydraulically operated single-plate dry clutch with asbestos-free lining via a six speed auto DSG gearbox
- Five speed manual: 1.6 litre TDI 105 PS
- Six speed manual: 1.2 litre TSI 105 PS, 1.4 litre TSI 160 PS, 2.0 litre TSI 200 PS, 2.0 litre TDI 140 PS
- Six speed auto DSG: 2.0 litre TSI 200 PS, 2.0 litre TDI 140 PS
- Seven speed auto DSG: 1.2 litre TSI 105 PS, 1.6 litre TDI 105 PS

## Running gear

- Electronic Stabilisation Programme (ESP) including Electronic Differential Lock (EDL), Traction Control (ASR)
- XDS electronic differential lock (1.4 litre TSI 160 PS and 2.0 litre TSI 200 PS only)
- Front suspension through coil springs with telescopic shock absorbers, all elements integrated in chassis legs
- Rear suspension with gas pressure shock absorbers and separate springs
- Wheel control: front through chassis legs and (lower) triangular wishbones (directionally stabilising steering roll radius)
- Wheel control: rear through four-link suspension with independent wheel suspension (2.0 litre TSI 200 PS only)
- Front and rear anti-roll bar

## Steering

- Electro-mechanical steering rack
- Collapsible, height and lengthways adjustable safety steering column

## Brakes

- ABS (Electronically controlled Anti-lock Braking System) with EBD (Electronic Brake-pressure Distribution)
- Asbestos-free brake pads
- Diagonal twin-circuit brake system with inner-ventilated front disc brakes and rear disc brakes
- Battery regeneration (recuperation – energy recovery during braking)

**The Volkswagen Warranty****Three-year Warranty**

All Volkswagen passenger cars come with a three-year/60,000 miles warranty, which protects your car against the failure of most technical and electrical components due to manufacturing defects. This comprises a two-year manufacturer's warranty with unlimited mileage plus a further one-year/60,000 miles (whichever is soonest) Retailer Warranty\*. Should the mileage exceed 60,000 miles within the first two years, the manufacturer's two-year warranty will still be valid. Full details of the three-year warranty are available from your authorised Volkswagen retailer or repairer.

\* All warranty work must be completed by an authorised Volkswagen retailer or repairer.

**Three-year Paint Warranty**

The paintwork of the Beetle is covered against manufacturing defects for a period of three years. Naturally, the Beetle must be cared for in compliance with the operating instructions which will be found in your vehicle handbook. Please consult your authorised Volkswagen retailer or repairer for full warranty details.

**12-year Body Protection Warranty**

The internal body sections and panels of the Beetle are covered against rusting through from the inside for 12 years. Naturally, the Beetle must be cared for in compliance with the operating instructions. Please consult your authorised Volkswagen retailer or repairer for full warranty details.

**Approved Accessories**

A comprehensive range of accessories from alloy wheels to carpet mats is available to complement the factory-fitted option list. Volkswagen approved accessories purchased from and fitted by your authorised Volkswagen retailer at the point of vehicle sale will also benefit from the three-year vehicle warranty.

**Extended Warranty**

If you order the Volkswagen Extended Warranty as an option when buying your new Beetle, then you get the 100% Volkswagen Warranty and you can continue to enjoy comprehensive Volkswagen protection against many unforeseeable repair costs. Designed to your needs, you can purchase an extra one or two year's warranty up to a maximum of five years or 90,000 miles.

**Tax Free Sales**

For full details, please contact your authorised Volkswagen retailer.

**Service Intervals**

Volkswagen are pleased to offer you a choice on how your Beetle is serviced. The appropriate selection is entirely dependent on how the car is likely to be driven and its general use. To help you identify which type of service would be most suitable, please refer to the following guide.

The Fixed Service is recommended for vehicles that will cover less than 10,000 miles in 12 months and if the vehicle is likely to be used in the following way:

- Predominantly urban driving, short journeys with frequent cold starts.
- Activities regularly producing high engine loading, e.g. frequent hill climbs, driving with vehicle fully loaded and towing.
- Uneconomical driving style using high rpms with heavy acceleration and heavy braking.

The service intervals for the Fixed Service are as follows:

- Oil change service  
Every 10,000 miles/1 year (whichever is soonest).
- Interval service  
Every 20,000 miles/2 years (whichever is soonest).
- Inspection service  
Every 40,000 miles/3 years (whichever is soonest).

The Flexible Service is recommended for vehicles with a daily mileage of more than 25 miles where the vehicle is driven regularly mainly on longer distance journeys. The vehicle is driven mainly at a constant speed with minimum vehicle and engine loading, minimal towing and driven in an economical manner.

With the Flexible Service the vehicle can cover anywhere between 10,000<sup>†</sup> and a maximum of 18,000<sup>†</sup> miles or 24 months (whichever is soonest) between oil changes. Inspection service is typically in the third year of ownership and thereafter every second year, for vehicles with an approximate annual mileage of 10,000 miles.

<sup>†</sup> Please note that mileages are approximate as the service indicator system uses kilometres as the distance measurement. Please consult your authorised Volkswagen retailer or repairer for advice and full details.

**Volkswagen Insurance<sup>‡</sup>**

We want you to start enjoying your new car from day one and thanks to Volkswagen Insurance complimentary seven day cover, you can. Call free on 0800 316 7892 (lines are open Monday to Friday 8 am – 9 pm and Saturday 9 am – 5 pm), provide a few details and a cover note will be sent to your retailer. They will then tax your car and you can drive it away.

Visit [www.insurewithvolkswagen.co.uk](http://www.insurewithvolkswagen.co.uk) for details of the full range of insurance products available. Here you can also get a quote for your annual car insurance and buy it online too. All of our insurance products are designed to ease the pain of making a claim.

<sup>‡</sup> Volkswagen Insurance is a trading name of Volkswagen Insurance Service (Great Britain) Limited, an appointed representative of Volkswagen Financial Services (UK) Limited, Brunswick Court, Yeomans Drive, Blakelands, Milton Keynes MK14 5LR. Registered in England number 2835230. Volkswagen Insurance is sold, underwritten and administered by Allianz Insurance plc registered in England number 84638. Registered office 57 Ladymead, Guildford, Surrey GU1 1DB. Volkswagen Financial Services (UK) Limited and Allianz Insurance plc are authorised and regulated by the Financial Services Authority. Volkswagen Financial Services (UK) Limited and Allianz Insurance plc are not part of the same corporate group.

**Volkswagen Finance<sup>±</sup>**

Volkswagen Finance specialises in providing funding solutions for Volkswagen drivers. Whether your Volkswagen is for private or business use, you can choose from a range of funding options.

- Solutions – a personal contract plan
- Hire purchase
- Lease purchase
- Finance lease
- Contract hire

With all Volkswagen Finance products you can choose a fixed-cost maintenance plan to help you budget for your servicing and maintenance costs.

No matter what finance product you choose, your local Volkswagen retailer will be able to provide you with a personalised quote that could meet your budget and vehicle needs.

<sup>±</sup> Volkswagen Finance is a trading name of Volkswagen Financial Services (UK) Limited. An offer of finance depends on certain conditions. Available to people over 18 in the UK only.

**Volkswagen Roadside Assistance**

Every new car is registered for Volkswagen Roadside Assistance for one year. This provides vehicle home and roadside recovery in the unlikely event of a breakdown in the UK and Europe (subject to conditions). Volkswagen Roadside Assistance can also be purchased for subsequent years. For full details, please contact your authorised Volkswagen retailer or repairer.

**CO<sub>2</sub> Emissions**

Increased weight of a vehicle, including higher trim levels and the addition of options will have a detrimental influence on the level of fuel consumption and CO<sub>2</sub> emissions produced.

The CO<sub>2</sub> and fuel consumption figures are obtained from tests on a representative vehicle of the type, conducted and approved in accordance with Council Directive 80/1268/EEC as amended by Directive 1999/100/EC (or later) on the approximation of the laws of the member states relating to the carbon dioxide emissions and the fuel consumption of motor vehicles.

**Please Note**

Some illustrations in this brochure do not necessarily reflect UK specifications and may not be available. In particular, controls and some items of equipment are positioned differently for the UK.

The specifications contained in this brochure are for information purposes only and are subject to change. If you require any specific feature, you must consult your authorised Volkswagen retailer who is regularly updated with any change in specification. Please check model availability and full specification details with your authorised Volkswagen retailer prior to ordering.

Note: we would like to advise you that telephone calls to Volkswagen Customer Care may be monitored and recorded as part of our training and quality assurance processes. All our monitoring and recording processes meet Ofcom regulations.

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