



## **3.5 Technical Data**

*Tiguan*

*Model year 2009*

# About this Booklet

This Booklet contains important information, tips, instructions, and WARNINGS about using your vehicle. For your own safety and for the safety of your passengers, you must also be aware of the information in this and other Owner's Literature Booklets.

Make sure that you always keep the complete Owner's Literature in the vehicle. This is especially important when you lend or sell the vehicle.

This manual describes **vehicle equipment** at the time of printing. Some equipment may not be available until a later date, or may be available only for certain markets.

At the beginning of this Booklet, you will find a **Table of contents** showing all the items described in this manual in the order that they appear.

**Supplements** to the Owner's Literature, if any, will be found in the binder right after the *Alphabetical Index* Booklet.

**Illustrations** may slightly vary from your vehicle. For this reason you should regard illustrations as a general guide.

**Directions and positions** (for example right, left, front, rear) always refer to the direction or position compared to the normal direction of travel of the vehicle unless another meaning is clearly stated.

Some sections of this Booklet do not apply to all vehicles. If this is the case, a text at the beginning of the section indicates the models and equipment to which it applies; for example "Applies to vehicles: with Diesel engine."

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- ▶ The section is continued on the next page.
- ◀ Indicates the **end of a section**.
- ⇒ ⚠ Cross-reference to a "WARNING" within or outside of a section.
- ⇒ ⚠ Cross-reference to a "Note" within or outside of a section.

## **WARNING**

**Text with this symbol contains important information on safety and how to reduce the risk of personal injury or death.**

## **Note**

Text with this symbol draws your attention to potential sources of damage to your vehicle.

## **For the sake of environment**

Text with this symbol contains information about the environment and how you can help protect it.

## **Tips**

Text with this symbol contains special tips and other information about getting the most out of your vehicle and its features.

# Afterword

Volkswagen AG works constantly to develop and improve its products. We must therefore reserve the right to change any part of the vehicle, its equipment or technical specifications at any time. No legal commitment can therefore be derived from the information, illustrations or descriptions in this manual.

The texts, illustrations and standards in this manual are based on the information available at the time of printing.

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**For the sake of environment**

This paper was bleached without the use of chlorine.



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# General notes

## What you need to know

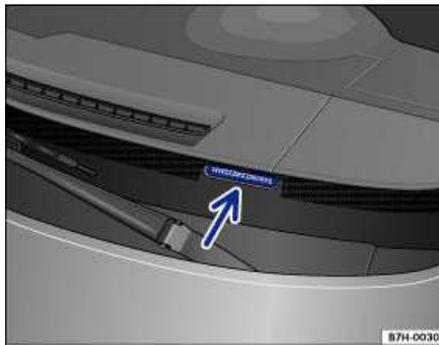
### Abbreviations used in this Booklet

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Abbreviation	Description
kW	Kilowatt (engine power)
hp	Horsepower (engine power)
rpm	Revolutions per minute (engine speed)
Nm	Newton meters (unit of engine torque)
lb-ft.	Pound-feet (unit of engine torque)
in	Inches
qts.	Quarts
CID	Cubic inch displacement
lbs.	Pounds
kg	Kilograms

### Vehicle Identification

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**Fig. 1** Vehicle Identification Number (VIN) as seen through the windshield on the driver's side.

#### **Vehicle identification number (VIN)**

The vehicle identification number is located on top of the instrument panel on the driver's side, and is visible from the outside through the windshield ⇒ Fig. 1.

### Safety compliance sticker

The safety compliance sticker is your assurance that your new vehicle complies with all applicable Motor Vehicle Safety Standards that were in effect at the time the vehicle was manufactured. You can find this sticker on the left front door jamb.

It shows the month and year of production, and the vehicle identification number.

### High voltage warning label

The high voltage warning label is located on the hood lock carrier ⇒ .

The spark ignition system complies with the Canadian standard ICES-002.

### Vehicle identification label

The vehicle identification label is located on the left-rear side of the rear panel in the luggage compartment, under the carpet on the luggage compartment floor, or at the rear of the spare wheel/tire compartment. The label contains the following information:

- Vehicle Identification No. (VIN)
- Type code number/designation, and engine output in kilowatts
- Engine and transmission codes / Paint code / Interior trim code
- Optional equipment codes

You can also find vehicle data in your Maintenance Booklet.

 <b>WARNING</b>
<b>Stop! Before working in the engine compartment, always read and heed all WARNINGS ⇒ booklet 3.3 “Tips and Advice”, chapter “Working in the engine compartment.” The engine compartment of any motor vehicle is a potentially dangerous area and can cause serious personal injury.</b>

## How are the figures measured?

### Weights

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The Gross Vehicle Weight Rating (GVWR) and the Gross Axle Weight Rating (GAWR) for front and rear are listed on a sticker on the left front door jamb.

The **Gross Vehicle Weight Rating** includes the weight of the basic vehicle plus full fuel tank, oil and coolant, and maximum load, which combines driver/passenger (150 lbs / 68 kg per designated seating position) and luggage weight.

Luggage carrying capacity is not increased by the use of a roof rack, unless the passenger capacity is reduced accordingly.

The **Gross Axle Weight Rating** is the maximum load that can be applied at each axle of the vehicle.

**WARNING**

Exceeding the maximum permissible weight ratings can result in accidents leading to serious personal injury.

- Never let the actual weights at the front and rear axles exceed the permissible Gross Axle Weight Rating. Also, never let their combination exceed the Gross Vehicle Weight Rating.
- Always remember that the vehicle's handling will be affected by extra load. Adjust your speed accordingly.
- Exceeding permissible weight ratings can result in vehicle damage, accidents and personal injury.

**Note**

- The vehicle capacity weight figures apply when the load is distributed evenly in the vehicle (passengers and luggage). When transporting a heavy load in the luggage compartment, carry the load as near to the rear axle (as far forward) as possible so that the vehicle's handling is least affected.
- Always observe local regulations.

## Roof weight

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The maximum permissible roof weight is 220 lbs (100 kg).

Only use the roof rack system specifically designed, tested and approved by Volkswagen.

The roof weight increases the weight of the front and rear axle and correspondingly reduces the other load that your vehicle can carry.

Distribute the load evenly and do not exceed the Permissible Roof Weight (including the weight of the roof rack system) or the Gross Vehicle weight.

For more details see ⇒ booklet 2.1 "Safety First", chapter "Safe driving" and ⇒ booklet 3.1 "Controls and Equipment", chapter "Seats and storage."

**WARNING**

Transporting heavy bulky loads on the roof will change the way the vehicle handles by shifting the vehicle's center of gravity, changing its aerodynamics and the way it reacts to side winds.

- Cargo that is large, heavy, bulky, long or flat will have a more negative influence on the vehicle's aerodynamics, center of gravity and overall handling.
- Always adapt your driving and speed to what you are carrying on the roof as well as to road, traffic, weather and wind conditions.
- Always avoid sudden braking or driving maneuvers.
- Always make sure that loads are properly distributed and that heavier items are in the front.
- Never exceed the maximum roof load for the vehicle, maximum axle loads or the maximum gross vehicle weight.

**Note**

The height of your vehicle is changed by the installation of the roof carrier and the load secured on it. Bear this in mind when driving through garage doors or low underpasses – there is danger of damage to the vehicle.

## Dimensions

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Specifications refer to the basic model. There may be differences depending on the model type and options – wheels and tires, for example.

**Note**

- Please be careful when parking your vehicle in areas with parking barriers or curbs. Parking barriers and curbs vary in height. They could damage your bumper and related components when the front of your vehicle moves over a barrier or a curb that is too high. To avoid damage to your car you should stop and park the car without touching the parking barrier or curb.
- When driving up steep ramps, on rough roads, over curbs, etc., it is important to remember that some parts of your vehicle, such as spoilers or exhaust system components, may be close to the ground. Be careful not to damage them.

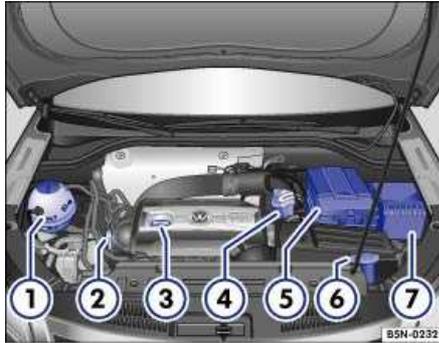
**Tips**

Specifications may vary if additional equipment is installed on different models, for special vehicles, or for other countries.

# Technical data

Applies to vehicles: with 200 hp gasoline engine

## 200 hp gasoline engine



**Fig. 2** Engine compartment overview.

- (1) Engine coolant expansion tank
- (2) Engine oil dipstick
- (3) Engine oil filler cap
- (4) Brake fluid reservoir
- (5) Vehicle battery
- (6) Windshield washer fluid container
- (7) Fuse box

Details on connecting jumper cables to the positive (+) and negative (-) terminal or checking/filling the fluids listed above ⇒ booklet 3.3 “Tips and Advice.”

Further explanations, tips and restrictions on the technical data ⇒ page 7, “General notes”.

<b>Engine data</b>	
Maximum power output (SAE net)	200 hp at 5100-6000 rpm
Maximum torque (SAE net)	206 lb-ft. @ 1700-5000 rpm 280 Nm at 1700-5000 rpm
No. of cylinders	4
Displacement	121 CID / 1984 cm <sup>3</sup>
Stroke	3.65 in / 92.8 mm
Bore	3.25 in / 82.5 mm
Compression ratio	9.6 : 1
Fuel	Premium or Regular unleaded
Transmission	6-speed automatic or manual transmission

<b>Engine data</b>	
The correct grade of fuel for your vehicle is shown on a sticker on the inside of the fuel filler flap. For maximum engine performance, unleaded Premium is recommended ⇒ booklet 3.3 “Tips and Advice”, chapter “Checking and filling.”	

<b>Capacities</b>	
Fuel tank (Reserve, included in fuel tank capacity)	18.5 gal. / 64 liters (1.9 gal. / 7 liters)
Windshield washer fluid container	approx. 3.2 qts. / 3.0 liters
Engine oil (with oil filter)	approx. 4.85 qts. / 4.6 liters
The engine oil level should be checked while topping up. <b>Do not overfill</b> ⇒ booklet 3.3 “Tips and Advice”, chapter “Checking and filling.”	

<b>Curb Weight</b>	<b>lbs.</b>		<b>kg.</b>	
	<b>Automatic</b>	<b>Manual</b>	<b>Automatic</b>	<b>Manual</b>
Curb weight	3432	3397	1557	1541
Front axle load	2001	1953	908	886
Rear axle load	1428	1441	648	654

<b>Maximum Vehicle Weights</b>	<b>lbs.</b>		<b>kg.</b>	
	<b>Automatic</b>	<b>Manual</b>	<b>Automatic</b>	<b>Manual</b>
Total permissible weight (GVWR)	4784	4740	2170	2150
Maximum payload	1351	1342	613	609
Maximum front axle load (GAWR)	2425	2380	1100	1080
Maximum rear axle load (GAWR)	2491	2491	1130	1130
Maximum roof weight without roof rail	165		75	
with roof rail	220		100	
The roof weight increases the weight of the front and rear axle and correspondingly reduces the other load that your vehicle can carry.				

<b>Maximum permissible trailer weights</b>	<b>lbs.</b>	<b>kg.</b>
Trailer with brakes	1	1
Trailer without brakes	1	1

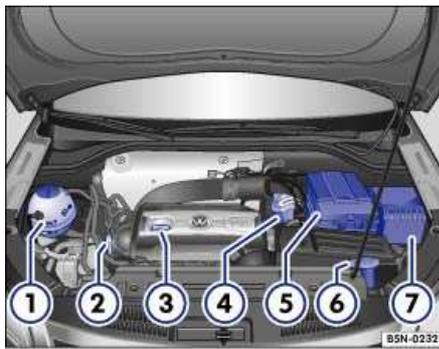
<sup>1</sup> Information not available at time of printing

Maximum permissible trailer weights	lbs.	kg.
Tongue load <sup>2</sup>	220	100
The tongue load increases the weight of the rear axle and correspondingly reduces the other load that your vehicle can carry. Always read and heed further information about trailer towing ⇒ booklet 3.2 “Driving your Vehicle”, chapter “Trailer towing” and ⇒ booklet 3.3 “Tips and Advice”, chapter “Tires and wheels – Determining correct load limit.”		

Dimensions <sup>3</sup>	
Wheelbase	102.4 in / 2601 mm
Length	174.3 in / 4427 mm
Width	71 in / 1809 mm
Height (unloaded)	66 in / 1685 mm
Turning circle diameter (wall to wall)	39.4 ft. / 12 meters
Track front	61.8 in / 1570 mm
Track rear	61.8 in / 1570 mm
Ground clearance (loaded)	6.5 in / 165 mm

Applies to vehicles: with 200 hp gasoline engine 4MOTION

## 200 hp gasoline engine 4MOTION



**Fig. 3** Engine compartment overview.

- (1) Engine coolant expansion tank
- (2) Engine oil dipstick

<sup>2</sup> The maximum tongue load only applies if both holes on the outer vertical wall of the rear side rails are each used when securing the trailer hitch.

<sup>3</sup> Slight differences to these figures are possible, depending on wheel and tire size fitted and the level selected

- (3) Engine oil filler cap
- (4) Brake fluid reservoir
- (5) Vehicle battery
- (6) Windshield washer fluid container
- (7) Fuse box

Details on connecting jumper cables to the positive (+) and negative (-) terminal or checking/filling the fluids listed above ⇒ booklet 3.3 “Tips and Advice.”

Further explanations, tips and restrictions on the technical data ⇒ page 7, “General notes”.

<b>Engine data</b>	
Maximum power output (SAE net)	200 hp at 5100-6000 rpm
Maximum torque (SAE net)	206 lb-ft. @ 1700-5000 rpm 280 Nm at 1700-5000 rpm
No. of cylinders	4
Displacement	121 CID / 1984 cm <sup>3</sup>
Stroke	3.65 in / 92.8 mm
Bore	3.25 in / 82.5 mm
Compression ratio	9.6 : 1
Fuel	Premium or Regular unleaded
Transmission	6-speed automatic transmission
The correct grade of fuel for your vehicle is shown on a sticker on the inside of the fuel filler flap. For maximum engine performance, unleaded Premium is recommended ⇒ booklet 3.3 “Tips and Advice”, chapter “Checking and filling.”	

<b>Capacities</b>	
Fuel tank (Reserve, included in fuel tank capacity)	18.5 gal. / 64 liters (1.9 gal. / 7 liters)
Windshield washer fluid container	approx. 3.2 qts. / 3.0 liters
Engine oil (with oil filter)	approx. 4.85 qts. / 4.6 liters
The engine oil level should be checked while topping up. <b>Do not overfill</b> ⇒ booklet 3.3 “Tips and Advice”, chapter “Checking and filling.”	

<b>Curb Weight</b>	<b>lbs.</b>	<b>kg.</b>
Curb weight	3631	1647
Front axle load	2087	947
Rear axle load	1541	699

<b>Maximum Vehicle Weights</b>	<b>lbs.</b>	<b>kg.</b>
Total permissible weight (GVWR)	4960	2250
Maximum payload	1329	603
Maximum front axle load (GAWR)	2513	1140
Maximum rear axle load (GAWR)	2579	1170
Maximum roof weight without roof rail	165	75
with roof rail	220	100
The roof weight increases the weight of the front and rear axle and correspondingly reduces the other load that your vehicle can carry.		

<b>Maximum permissible trailer weights</b>	<b>lbs.</b>	<b>kg.</b>
Trailer with brakes	4	4
Trailer without brakes	4	4
Tongue load <sup>5</sup>	220	100
The tongue load increases the weight of the rear axle and correspondingly reduces the other load that your vehicle can carry. Always read and heed further information about trailer towing ⇒ booklet 3.2 “Driving your Vehicle”, chapter “Trailer towing” and ⇒ booklet 3.3 “Tips and Advice”, chapter “Tires and wheels – Determining correct load limit.”		

<b>Dimensions<sup>6</sup></b>	
Wheelbase	102.4 in / 2601 mm
Length	174.3 in / 4427 mm
Width	71 in / 1809 mm
Height (unloaded)	66 in / 1685 mm
Turning circle diameter (wall to wall)	39.4 ft. / 12 meters
Track front	61.8 in / 1570 mm
Track rear	61.8 in / 1570 mm
Ground clearance (loaded)	6.5 in / 165 mm

<sup>4</sup> Information not available at time of printing

<sup>5</sup> The maximum tongue load only applies if both holes on the outer vertical wall of the rear side rails are each used when securing the trailer hitch.

<sup>6</sup> Slight differences to these figures are possible, depending on wheel and tire size fitted and the level selected