



Tiguan Specifications



Safety and Driver Assistance

	110TSI Life	162TSI Elegance	147TDI Elegance	162TSI R-Line	147TDI R-Line
Airbags					
Driver and front passenger airbags	S	S	S	S	S
Driver's knee airbag	S	S	S	S	S
Driver and front passenger side airbags	S	S	S	S	S
Curtain airbags, cover front and rear	S	S	S	S	S
Anti-theft					
Electronic engine immobiliser	S	S	S	S	S
Body					
Fully galvanised body with 12 year anti-corrosion perforation warranty	S	S	S	S	S
Door side impact protection	S	S	S	S	S
Rigid safety cell with front and rear crumple zones	S	S	S	S	S
Brakes					
Automatic flashing brake lights activated in emergency braking situation	S	S	S	S	S
Anti-lock Braking System (ABS)	S	S	S	S	S
Brake Assist	S	S	S	S	S
Electronic Brake-pressure Distribution (EBD)	S	S	S	S	S
Electro-mechanical parking brake	S	S	S	S	S
Auto hold function	S	S	S	S	S
Multi-collision brake	S	S	S	S	S
Child restraints					
Child seat top tether anchorage points, mounted on row 2 seat back (3)	S	S	S	S	S
ISOFIX child seat anchorage points, outer row 2 seats	S	S	S	S	S
Head restraints					
Front safety optimised head restraints, longitudinal and height adjustable	S	S	S	S	S
Rear head restraints height adjustable	S	S	S	S	S
Locking					
Remote central locking	S	S	S	S	S
Keyless Access, keyless entry and starting system including starter button	S	S	S	S	S
2 stage unlocking (programmable)	S	S	S	S	S
Automatic locking after take-off (programmable)	S	S	S	S	S
One touch lock / unlock for driver	S	S	S	S	S
Child safety locks on rear doors	S	S	S	S	S
Fuel filler flap lock/unlock by remote, push to open	S	S	S	S	S
Seat belts					
Front height adjustable with pre-tensioners and belt force limiters	S	S	S	S	S
Outer row 2 seat belts with pre-tensioners and belt force limiters	S	S	S	S	S
Visual and acoustic warning for front and rear seat passenger seat belts not fastened	S	S	S	S	S
3 point seat belts for all passengers	S	S	S	S	S
Traction control					
Anti-Slip Regulation (ASR)	S	S	S	S	S
Electronic Differential Lock (EDL)	S	S	S	S	S
Electronic Stabilisation Program (ESP)	S	S	S	S	S
Extended Electronic Differential Lock (XDL)	S	S	S	S	S
4MOTION Active Control all-wheel drive with hill decent control	—	S	S	S	S

Exterior Equipment and Styling

	110TSI Life	162TSI Elegance	147TDI Elegance	162TSI R-Line	147TDI R-Line
Body enhancements					
Black grain effect protective trim on lower front and rear bumpers, side sills and wheel arches	S	S	S	—	—
Chrome trim around window frames	S	S	S	S	S
Chrome lower body side mouldings	S	S	S	S	S
Chrome radiator grille highlights, top and bottom	S	—	—	—	—
Chrome radiator grille highlights, top, centre and bottom	—	S	S	S	S
Lower air intake and rear bumper with chrome highlight	S	S	S	—	—
Granite grey centre bumper trim, front	—	S	S	—	—
Licence plate carrier in front and rear protective padding	—	P	P	S	S
Design strip with R-Line logo on the front side panels	—	—	—	S	S
Front bumper in R-Line design with gloss black air intakes	—	—	—	S	S
Lower body side extensions in body colour with black grain effect wheel arch extensions	—	—	—	S	S
Rear bumper with sports diffuser in gloss black	—	—	—	S	S
R-Line badge in radiator grille	—	—	—	S	S
R-Line rear spoiler	—	—	—	S	S
Roof rails, matte chrome	S	S	S	S	S
Trapezoidal chrome exhaust trims, left and right	—	S	S	S	S
Paint					
Metallic / Pearl Effect paint finishes	O	O	O	O	O
Tinted Glass					
Dark tinted rear side window and rear window glass, 65% light absorbing	—	S	S	S	S
Heat insulating tinted glass	S	S	S	S	S
Wheels					
Alloy wheels (Nizza) 18x7" with 235/55 R18 AirStop® tires	S	—	—	—	—
Alloy wheels (Auckland) 19x7" with 235/50 R19 AirStop® tires	—	S	S	—	—
Alloy wheels (Misano) 20x8.5" with 255/40 R20 AirStop® tires	—	—	—	S	S
Anti-theft wheel bolts	S	S	S	S	S
Low tyre pressure indicator	S	S	S	S	S
Spare wheel, weight and space saving	S	S	S	S	S
Please note: The weight and space saving spare wheel and tyre is speed restricted	S	S	S	S	S





Overseas model shown. Local specifications may vary.

Comfort and Convenience

	110TSI Life	162TSI Elegance	147TDI Elegance	162TSI R-Line	147TDI R-Line
Armrest					
Front centre armrest, adjustable with storage box and rear air outlets (2)	S	S	S	S	S
Rear seat centre armrest with cup holders (2)	S	S	S	S	S
Air conditioning					
Air conditioning, Air Care 3 zone automatic climate control with air cleaning function and allergen filter	S	S	S	S	S
"Touch" climate controls	S	S	S	S	S
Dust and pollen filter	S	S	S	S	S
Cup holders					
Front (2)	S	S	S	S	S
Row 2 (2) in centre armrest	S	S	S	S	S
Bottle holders in front door pockets	S	S	S	S	S
Bottle holders in row 2 door pockets	S	S	S	S	S
Driver assistance systems*					
Adaptive chassis control	—	S	S	S	S
Driving profile selection with 4MOTION Active Control	—	S	S	S	S
Rear View Camera (RVC Plus) with multi-angle views and dynamic guidance lines	S	S	S	S	S
Area View, front, rear and side cameras to provide 360 degree exterior view	—	P	P	P	P
Head-up display	—	P	P	P	P
IQ.DRIVE:					
- Travel Assist with Adaptive Lane Guidance					
- Emergency Assist					
- Proactive Occupant Protection					
- Adaptive Cruise Control with stop & go function					
- Driver Fatigue Detection system					
- Front Assist with Pedestrian Monitoring	S	S	S	S	S
- Lane Assist					
- Manoeuvre braking, front and rear					
- Park Assist, parking bay and parallel parking assistance					
- Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated					
- Side Assist, lane changing assistant with Rear Traffic Alert					
Floor Mats					
Front and rear carpet floor mats	S	S	S	—	—
Carpet floor mats and centre armrest with decorative stitching in Crystal Grey	—	—	—	S	S
Exterior Lighting					
Coming / leaving home function	S	S	S	S	S
LED headlights for high and low beam and integrated LED daytime driving lights	S	—	—	—	—
IQ.LIGHT LED Matrix headlamps with LED daytime drivings lights, dynamic cornering lights and dynamic turn signals	—	S	S	S	S
High Beam Assist	S	—	—	—	—
Dynamic Light Assist using Matrix LED technology	—	S	S	S	S
All-weather light function, illuminates the road in poor weather conditions	—	S	S	S	S
Low light sensor with automatic headlight function	S	S	S	S	S
Rear fog lamp	S	S	S	S	S
Rear registration plate light, LED	S	S	S	S	S
Rear tail lights, LED	S	—	—	—	—
Rear tail lights, Premium LED	—	S	S	S	S

*Safety technologies are designed to assist the driver, but should not be used as a substitute for safe driving practices.

^Traffic Jam Assist and stop and go function automatic transmission models only

~App-Connect featuring wireless Apple CarPlay® and wireless Android Auto™ is compatible with the latest versions of iOS and Android, active data service required, optional connection cable (sold separately).

S Standard O Optional Extra P Available as part of an optional package — Not available

Comfort and Convenience

	110TSI Life	162TSI Elegance	147TDI Elegance	162TSI R-Line	147TDI R-Line
In car entertainment and technology					
<u>Discover Media audio and satellite navigation system</u>					
8.0" colour touch screen display with smartphone style HMI and proximity sensor, Gesture Control, Voice Control, AM/FM radio, 2D and 3D (bird's eye) map views, car menu with convenience and service settings, security coded	S	—	—	—	—
<u>Discover Pro audio and satellite navigation system</u>					
9.2" colour touch screen display with smartphone style HMI, configurable home screen and proximity sensor, Gesture Control, Voice Control, AM/FM radio, 2D and 3D (bird's eye) map views, car menu with convenience and service settings, security coded	—	S	S	S	S
App-Connect- USB-C interface for Apple CarPlay® and Android Auto™	S	S	S	S	S
Wireless App-Connect- with Apple CarPlay® and Android Auto™	S	S	S	S	S
Bluetooth® phone connectivity with contacts display, operation via touch screen audio unit or Multi-Function Display and Bluetooth® audio streaming	S	S	S	S	S
Speakers, front and rear (8)	S	S	S	S	S
Harman Kardon sound system, 8+1 speakers, 480W total power output, digital 16-channel amplifier and subwoofer	—	P	P	P	P
USB-C ports (3), two Apple® compatible ports in front centre console, third charging port in rear	S	S	S	S	S
Instrumentation					
Digital Cockpit Pro, high resolution 10.25" digital instrument colour display screen with customisable displays	S	S	S	S	S
Comfort indicator function (1 x touch = 3 x flash)	S	S	S	S	S
Interior Highlights					
Decorative inlays, "Weave" to dashboard and door trims	S	—	—	—	—
Decorative inlays, "Cross" to dashboard and door trims	—	S	S	—	—
Decorative inlays, "Carbon Gray" to dashboard and door trims	—	—	—	S	S
Front door sill scuff plates in aluminium finish, illuminated	—	S	S	—	—
Front door R-Line sill scuff plates in aluminium finish, illuminated	—	—	—	S	S
Black headlining and pillar trim	—	—	—	S	S
Gearshift knob with leather and matte chrome finish	S	S	S	S	S
Interior Lighting					
Front reading lights (2) and rear passenger reading lights (2), LED	S	S	S	S	S
LED ambient lighting in door trim inserts in 30 customisable colours	—	S	S	S	S
Lighting in driver and front passenger foot well	S	S	S	S	S
Mirrors					
Automatic dimming interior rear-view mirror	S	S	S	S	S
Electrically foldable exterior mirrors with environment lighting and automatic kerb function when reversing, passenger's side	S	S	S	S	S
Electrically heated and adjustable exterior mirrors	S	—	—	—	—
Electrically heated and adjustable exterior mirrors with memory	P	S	S	S	S
Exterior mirrors with integrated LED turn indicators	S	S	S	S	S

Comfort and Convenience

	110TSI Life	142TSI Elegance	147TDI Elegance	162TSI R-Line	147TDI R-Line
Luggage compartment					
Electrically operated automatic opening and closing of the tailgate with Easy Open and Easy Close functions	S	S	S	—	—
Electrically operated automatic opening and closing of the tailgate	—	—	—	S	S
Load restraining hooks	S	S	S	S	S
Luggage compartment floor adjustable in 2 heights	S	S	S	S	S
Shopping bag hook	S	S	S	S	S
12 volt socket	S	S	S	S	S
Power Steering					
Electro-mechanical, vehicle speed and steering input sensitive	S	S	S	S	S
Progressive steering	—	—	—	S	S
Seating					
Comfort front seats	S	—	—	—	—
Comfort sport front seats	P	S	S	S	S
Electric adjustment for driver seat with 3 position memory function	P	—	—	—	—
Electric adjustment for front seats with 3 position memory function	—	S	S	S	S
Heated front seats	P	S	S	S	S
Height adjustment for front seats	S	S	S	S	S
Lumbar adjustment for front seats, manually adjustable	S	—	—	—	—
Lumbar adjustment for driver seat, electrically adjustable	P	—	—	—	—
Lumbar adjustment for front seats, electrically adjustable	—	S	S	S	S
Split folding row 2 seats (40/20/40)	S	S	S	S	S
Row 2 seat backrest with angle adjustment and longitudinally sliding seat base	S	S	S	S	S
Row 2 seat backrest remote release	S	S	S	S	S
Row 2 seat centre armrest with cup holders (2)	S	S	S	S	S
Steering Wheel					
3 spoke leather covered flat bottomed steering wheel	S	S	S	—	—
3 spoke R-Line leather covered flat bottomed steering wheel with "Touch" controls	—	—	—	S	S
Heated steering wheel	P	S	S	S	S
Audio, telephone, IQ.DRIVE and Digital Cockpit Pro controls	S	S	S	S	S
Gearshift paddles	S	S	S	S	S
Height and reach adjustable steering wheel	S	S	S	S	S
Storage					
Centre console storage compartment under armrest	S	S	S	S	S
Centre dashboard top compartment with lid	S	S	S	S	S
Not fitted in combination with the optional Sound & Vision package					
Glove compartment with cooling and illumination	S	S	S	S	S
Tray and 12 volt socket in console	S	S	S	S	S
Drawers under front seats	S	—	—	—	—
Not fitted in combination with the optional Luxury package					
Driver's side dashboard compartment with lid	S	S	S	S	S
Front door compartments with bottle holders	S	S	S	S	S
Front seat backrest storage pockets	S	S	S	S	S
Net on front passenger's side of centre console	S	S	S	S	S
Overhead roof console with storage compartments	S	S	S	S	S
Not fitted in combination with the optional Luxury package or Panoramic glass sunroof					
Row 2 door compartments with bottle holders	S	S	S	S	S

Comfort and Convenience

	110TSI Life	142TSI Elegance	147TDI Elegance	162TSI R-Line	147TDI R-Line
Sunroof					
Panoramic glass sunroof					
Electrically slide and tilt adjustable front half section					
Integrated wind deflector and electrically operated (perforated) sunblind	P	O	O	O	O
Please note: The overhead storage compartments are not fitted in combination with this option					
Transmission					
6 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	S	—	—	—	—
7 speed Direct Shift Gearbox (DSG) with sport mode and Tiptronic function	—	S	S	S	S
Upholstery					
Comfort cloth seat upholstery	S	—	—	—	—
Vienna leather appointed upholstery	P	S	S	—	—
Vienna leather appointed seat upholstery for R-Line with R-Line logo and decorative stitching in Crystal Grey					
Please note: Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather	—	—	—	S	S
Vanity Mirrors					
Driver's and passenger's side vanity mirrors in sun visor with ticket holder	S	S	S	S	S
Illuminated on driver's and passenger's side	S	S	S	S	S
Wipers					
2 speed aero wipers with wash/wipe	S	S	S	S	S
Rain sensor	S	S	S	S	S
Rear window with wash/wipe and intermittent wipe	S	S	S	S	S
Warning light for low washer fluid level	S	S	S	S	S
Windows					
Power front /rear, with roll-back function and one-touch up-down	S	S	S	S	S
Remote operated convenience close and open feature (programmable)	S	S	S	S	S
12V socket					
Centre console, front and rear	S	S	S	S	S
Luggage compartment	S	S	S	S	S
Grab Handles					
Soft fold away grab handles, front and row 2	S	S	S	S	S

Optional Packages

Sound & Vision Package

Area View, front, rear and side cameras to provide 360 degree exterior view
 Head-up display
 Harman Kardon sound system, 8+1 speakers, 480W total power output, digital 16-channel amplifier and subwoofer
 Licence plate carrier in front and rear protective padding (Already standard on R-Line models)

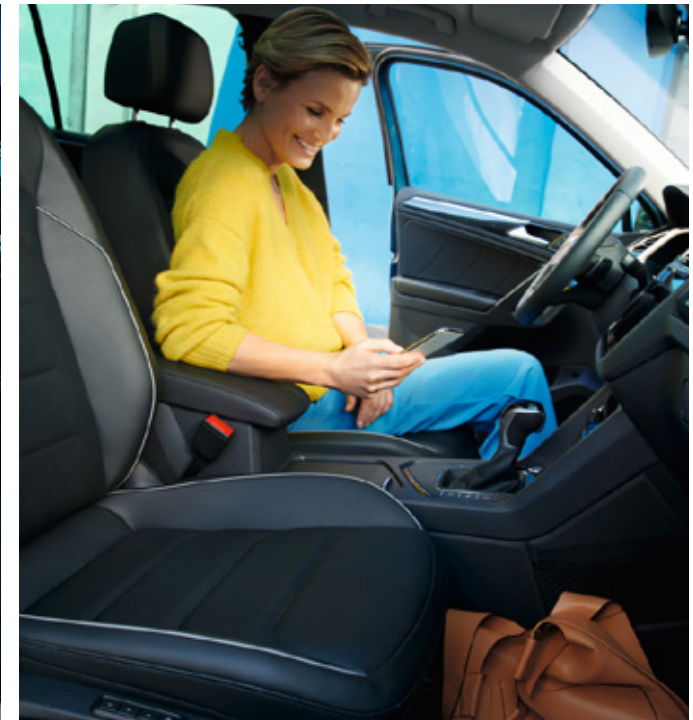
110TSI Life
 162TSI Elegance
 147TDI Elegance
 162TSI R-Line
 147TDI R-Line

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Luxury Package

Comfort sports front seats
 Vienna leather appointed upholstery
 Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather
 Electric adjustment for driver seat with 3 position memory function
 Electrically adjustable exterior mirrors with memory
 Heated front seats
 Heated steering wheel
 Lumbar adjustment for driver's seat, electrically adjustable
 Panoramic glass sunroof
 Electrically slide and tilt adjustable front half section
 Integrated wind deflector and electrically operated (perforated) sunblind
 Please note: The overhead storage compartments and front underseat storage drawers are not fitted in combination with this optional package

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Colours & Upholstery



Pure White



Dolphin Grey M



Kings Red M



Night Shade Blue M



Reflex Silver M



Deep Black PE



Tiguan Life models
Black Comfort Cloth



Tiguan Elegance models
Black Vienna leather#



Tiguan Elegance models
Optional Storm Grey leather#



Tiguan R-Line models
Black R-Line Vienna leather#

Please note that Metallic, Pearl Effect, Premium and Premium Metallic paint are optional at extra cost. The print process does not allow for exact reproduction of the exterior or the upholstery colours.

Please contact your Volkswagen Dealer for further information on colours and upholstery combinations.

#Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather

Colours & Upholstery

Interior Trim	Exterior Colours					
	Pure White	Reflex Silver M	Dolphin Grey M	Night Shade Blue M	Kings Red M	Deep Black PE
Life						
Black comfort cloth seat upholstery	S	S	S	S	S	S
Black Vienna leather appointed seat upholstery#	P	P	P	P	P	p
Elegance						
Black Vienna leather appointed seat upholstery#	S	S	S	S	S	S
Storm Grey Vienna leather appointed seat upholstery#	S	S	S	S	S	S
R-Line						
Black R-Line Vienna leather appointed seat upholstery#	S	S	S	S	—	S



Please note: Metallic (M) and Pearl Effect (PE) paint are optional at additional cost.

#Leather appointed seats has a combination of genuine and artificial leather, but are not wholly leather

S Standard O Optional Extra P Available as part of an optional package — Not available

Technical Specifications

Engine	110TSI Life	162TSI Elegance/R-Line	147TDI Elegance/R-Line
Type	1.4 litre TSI	2.0 litre TSI	2.0 litre TDI
Installation	4 cylinder inline turbocharged direct injection petrol engine*	4 cylinder inline turbocharged direct injection petrol with engine Start/Stop system*	4 cylinder inline turbo diesel with engine Start/Stop system*
Cubic capacity, litres/cc	Front Transverse	Front transverse	Front transverse
Bore/stroke, mm	1.4/1395	2.0/1984	2.0/1968
Max power, kW @ rpm	74.5/80	82.5/92.8	81.0/95.5
Max torque, Nm @ rpm	110 @ 5000-6000	162 @ 4500-6200	147 @ 3600-4100
Compression ratio	250 @ 1500-3500	350 @ 1500-4400	400 @ 1750-3500
Fuel System	10.0:1	9.6:1	16:01
Ignition system	Direct Injection	Direct & Intake manifold injection	Common rail injection
Exhaust emission control	Electronic	Electronic	Compression
Fuel type (Recommended)	Three-way catalytic converter with Lambda control	Three-way catalytic converter with Lambda control	Exhaust gas recirculation with SCR (AdBlue®) catalytic converter and diesel particulate filter
Transmission	Premium unleaded	Premium unleaded	Diesel
Driven wheels	95 RON minimum	95 RON minimum	DIN EN 590
Fuel Consumption **	6 Speed DSG	7 Speed DSG	7 Speed DSG
Combined, L/100km	Front wheel drive	4MOTION all-wheel drive	4MOTION all-wheel drive
Urban, L/100km	7.7	8.5	6.1
Extra Urban, L/100km	9.9	10.4	7.1
CO ₂ emission g/km	6.4	7.4	5.5
Fuel tank capacity litres	175	195	160
Weight	58	60	60
Tare Mass kg's	1612	1785	1839
Towing Capacity	Please refer to the specific Vehicle Towing page		
Suspension	Independent, MacPherson struts with lower A-arms. Anti-roll bar.		
Front Axle	Independent, four-link with coil springs. Anti-roll bar.		
Rear Axle	Electro-mechanical power assisted rack & pinion steering.		
Steering	11.9		
Turning Circle (m)			
Brakes	Vented discs		
Front	Discs		
Rear			
Brake Systems	Anti-lock Braking System (ABS) with Electronic Brake-pressure Distribution (EBD), Brake Assist and Electronic Stabilisation Program (ESP). Brake energy recuperation		

*The Start/Stop system is designed to reduce fuel consumption and CO₂ emissions. It achieves this by automatically switching off the engine while the vehicle is stationary and then starting it again automatically when the driver wants to drive off. There are certain operating conditions where the Start/Stop system is deactivated (e.g. during engine warm-up), please refer to the owner's manual for full operating information.

** Fuel consumption figures according to ADR 81/02 derived from laboratory testing. Factors including but not limited to driving style, road and traffic conditions, environmental influences, vehicle condition and accessories fitted, will in practice in the real world lead to figures which generally differ from those advertised. Advertised figures are meant for comparison amongst vehicles only.

⌘ Please note running clearance measurement may vary with wheel size, tyre pressures, tread depth.

Technical Specifications

	110TSI Life	162TSI Elegance/R-Line	147TDI Elegance/R-Line
Exterior Dimensions			
Overall length mm	4509	4509	4509
Width mm	1839	1839	1839
Height mm	1635	1645	1645
Wheelbase mm	2681	2681	2681
Track mm			
Front	1575	1575	1575
Rear	1564	1564	1564
Running clearance mm*	191	201	201
Luggage Area Dimensions#			
Luggage Area volume L			
Row 2 folded	1655	1655	1655
Row 2 upright+	615	615	615
Luggage area floor length mm			
Row 2 folded	1746	1746	1746
Row 2 upright+	977	977	977

* With rear seat in the forward position

Please note figures are sourced from overseas data where equipment levels by model variant may vary.



Vehicle Towing

The Owner's Manual contains both general and detailed specific information relating to the vehicle's ability for the towing of trailers and should be referenced to ensure familiarity with its contents. In addition to this information it should also be noted that for the Australian market the maximum permitted vertical load exerted by the trailer drawbar on the ball head of the towing bracket must not exceed the values as stated and shown for each model type below. Different trailer types and different trailer manufacturers have varying towball downloads. The customer should always contact the trailer manufacturer for information as to the maximum download weight. Volkswagen does not recommend the fitting of load levelling or weight distribution devices when used with a Volkswagen Genuine towbar. When fitted and used correctly, the Volkswagen Genuine towbar is capable of meeting the towbar/towball capacities as stated and shown for each model type below.

Towing Capacity



NOTE: Towbar capacities must not be exceeded. Volkswagen Group Australia recommends the use of a Genuine Volkswagen Accessory Towbar. Volkswagen Group Australia does not endorse or will not be held liable for any claim, loss or damage arising from the use or fitment of electronic trailer brakes.

Tiguan Variant	Model Code	Towbar Capacity Unbraked	Towbar Capacity Braked
110TSI Life	AX13N6	750 kg	1,800 kg
132TSI Life	AX13Q0	750 kg	2,500 kg
162TSI Elegance	AX14WT	750 kg	2,500 kg
162TSI R-Line	AX15WT	750 kg	2,500 kg
147TDI Elegance	AX149T	750 kg	2,500 kg
147TDI R-Line	AX159T	750 kg	2,500 kg



NOTE: The Maximum Permitted Gross Rear Axle Weight Rating is inclusive of the Maximum Downball Weight and must not be exceeded. The Maximum Downball Weight must also not be exceeded.

Tiguan Variant	Model Code	Maximum Permitted Gross Rear Axle Weight Rating	Maximum Downball Weight
110TSI Life	AX13N6	1090 kg	200 kg
132TSI Life	AX13Q0	1150 kg	200 kg
162TSI Elegance	AX14WT	1170 kg	200 kg
162TSI R-Line	AX15WT	1170 kg	200 kg
147TDI Elegance	AX149T	1190 kg	200 kg
147TDI R-Line	AX159T	1190 kg	200 kg



NOTE: The Maximum Gross Vehicle Mass (GVM) and Maximum Gross Combination Mass (GCM) must not be exceeded.

Tiguan Variant	Model Code	Maximum Gross Vehicle Mass (GVM)	Maximum Gross Combination Mass (GCM)
110TSI Life	AX13N6	2,100 kg	3,900 kg
132TSI Life	AX13Q0	2,260 kg	4,760 kg
162TSI Elegance	AX14WT	2,280 kg	4,780 kg
162TSI R-Line	AX15WT	2,280 kg	4,780 kg
147TDI Elegance	AX149T	2,320 kg	4,820 kg
147TDI R-Line	AX159T	2,320 kg	4,820 kg

Glossary

Adaptive Cruise Control (ACC)

Adaptive Cruise Control (ACC) is an extension of the conventional cruise control system with advanced capabilities based on a radar sensor. When ACC is activated, the vehicle automatically brakes and accelerates to a speed and distance set by the driver.

If the Tiguan approaches a slower vehicle, the ACC brakes the car to the same speed and maintains the pre-selected distance. Even when a vehicle pulls into the same lane in front of you or slows, your vehicle is automatically decelerated to the pre-selected distance. If the vehicle ahead moves out of your lane, the Tiguan then accelerates up to the pre-set desired speed.

Deceleration of the vehicle may take place via intervention in the engine management system. If deceleration via engine torque is not sufficient, brake intervention takes place, braking the vehicle to a standstill if the traffic situation necessitates. ACC can be reactivated automatically by depressing the accelerator pedal.

The dynamics of the ACC system can be individually varied by selecting one of the driving programs from the driver profile selector.

Adaptive Cruise Control (ACC) cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain.

Anti-lock Braking System (ABS)

When braking, wheel speed sensors measure the road wheel speed and should one or more wheels start to lock the ABS system reduces brake pressure to that wheel. This prevents the wheels from locking during heavy or emergency braking, enabling the vehicle to remain steerable.

Anti-Slip Regulation (ASR)

ASR is a traction control system that prevents the wheels from spinning under acceleration by reducing engine torque.

Auto Hold function

As soon as the vehicle comes to a complete stop, the ABS hydraulic unit stores the vehicle's final braking pressure. So even when you take your foot off the brake pedal, all four wheels' brakes remain applied, providing increased comfort in stationary traffic. This function is released automatically when you drive off again.

Brake Assist

During emergency braking, Brake Assist aids the driver by increasing the brake pressure automatically to a level exceeding the locking limit. The ABS is thus quickly brought into the operating range, which enables maximum vehicle deceleration to be achieved.

Emergency Assist

Emergency Assist monitors the driving characteristics and recognises, within the limits of the system, if the driver suddenly becomes incapable of driving (due to the vehicle not being controlled).

Emergency Assist detects a lack of activity on the part of the driver and issues repeated visual and acoustic warnings and initiates a quick jolt of the brakes to request the driver to take control of the vehicle.

If the driver remains inactive, the system automatically controls acceleration, braking and steering to slow the vehicle down and keep it in the lane. If there is sufficient stopping distance, the system decelerates the vehicle to a complete stop and switches on the electronic parking brake automatically.

When Emergency Assist is actively controlling the vehicle, the hazard warning lights are switched on and the vehicle performs a slight snaking motion within its lane to warn other road users. Ideally this will prevent a collision, or at least reduce its severity.

Emergency Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. Emergency Assist utilises both the Adaptive Cruise Control (ACC) and Lane Assist driver assistance systems. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain. The system will not work if there are no recognisable lane markings. The camera vision can be reduced by rain, snow, heavy spray or oncoming lights. This and vehicles in front of you can lead to the lane markings not being recognised by the Lane Assist system.

Fatigue Detection

The driver Fatigue Detection system automatically analyses the driving characteristics and if they indicate possible fatigue, recommends that the driver takes a break. The system continually evaluates steering wheel movements along with other signals in the vehicle on motorways and others roads at speeds in excess of 60 km/h, and calculates a fatigue estimate. If fatigue is detected, the driver is warned by information in the Multi-function Display and an acoustic signal. The warning is repeated after 15 minutes if the driver has not taken a break.

Fatigue Detection cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and therefore determining whether or not they are fit to drive. A driving time of 15 minutes is required in order to assess the driver correctly. The functionality of the system is restricted given a sporty driving style, winding roads and poor road surfaces.

Electronic Brake-pressure Distribution (EBD)

Electronic, more sophisticated means of regulating the ratio of front/rear brake pressure. Settings are varied according to driving and load conditions to ensure each wheel is braked to the optimum extent.

Electronic Stabilisation Program (ESP)

ABS and ASR traction control systems are integrated into the Electronic Stabilisation Program (ESP). In short, ESP helps ensure that the vehicle goes where you steer it even in extreme driving conditions. The ESP system constantly compares the actual movement of the vehicle with pre-determined values and should a situation arise where the vehicle starts to skid, ESP will apply the brakes to individual wheels and automatically adjust the engine's power output to correct the problem. ESP prevents the vehicle from losing control when trying to avoid an accident, for example. It also reduces the effects of understeer or oversteer.

Extended Electronic Differential Lock (XDL)

XDL is an extension of the Electronic Differential Lock (EDL) function. When cornering, XDL responds to the load relief at the driven wheel/s on the inside of a corner. The ESP hydraulics are used for the XDL to apply pressure to the wheel on the inside of the corner in order to prevent wheel spin. This improves traction and reduces the tendency to understeer. As a direct result of the one-sided and precise braking pressure, cornering is sportier and more accurate.

Front Assist with Pedestrian Monitoring

The Front Assist is both a high and low speed AEB monitoring system which uses a radar sensor to detect critical distance situations and thus help to shorten the braking distance, reducing the risk of a rear-end collision.

The traffic ahead is monitored constantly by the radar at the front. If a vehicle is detected ahead of you in the lane, the distance and the speed relative to it are calculated. If the gap is closing too fast, Front Assist initially warns the driver by means of an audible as well as a visual signal. At the same time, the brake pads are brought into contact with the brake discs and the sensitivity of the Brake Assist is increased. This primes the braking system for a possible emergency stop. Furthermore, an automatic jolt of the brakes warns the driver of the danger. If the driver also fails to react to the warning jolt, Front Assist brakes automatically, helping to avoid a collision or reduce the severity of the accident.

At vehicle speeds below 30km/h, Front Assist monitors the area ahead of the car for vehicles which might present a threat of collision. If a collision is likely, Front Assist first pre-charges the brakes and makes the emergency Brake Assist system more sensitive: if the driver should notice the risk, the car is ready to respond more quickly to their braking action. However, if the driver still takes no action and a collision becomes imminent, City Emergency Braking independently applies the brakes very hard. If the driver intervenes to try to avoid the accident, either by accelerating hard or by steering, Front Assist will deactivate and allow the driver to complete the avoidance manoeuvre.

Glossary

Pedestrian Monitoring is an extension of the Front Assist monitoring system. The system uses a camera to monitor the side of the road and a radar sensor in the radiator grille to monitor the area in front of the vehicle and within the limits of the system, register certain situations, for example a pedestrian stepping onto the road suddenly. Using the camera the system detects pedestrians and cyclists on the side of the road and gives an immediate acoustic and visual signal to warn the driver of the possibility of danger. If the radar sensor then detects the pedestrian/cyclist and the driver does not brake, the system initiates a jolt of the brake as a warning about the critical situation, while at the same time preparing for hard braking. If the driver fails to react, the system automatically performs emergency braking, within system limits. Ideally this will prevent a collision, or at least reduce its severity.

Front Assist with Pedestrian Monitoring cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles.

Lane Assist

Lane Assist is a lane departure warning system that is designed to help reduce the likelihood of the vehicle leaving the road or crossing into an oncoming lane and therefore the risk of accident as a result of driver distraction or a lapse in concentration.

The Lane Assist system monitors the road ahead with the aid of a camera (located near the interior rear-view mirror) which recognises lane markings and evaluates the position of the vehicle. If the vehicle starts to leave the lane, the Lane Assist system takes corrective steering action. If this is not sufficient the driver is warned about the situation by a steering vibration and is asked to take over the steering. Additionally, if no active steering movements by the driver are recognised for longer than approximately 8 seconds, a message will appear in the Multi-Function Display in conjunction with a warning tone. The corrective steering function can be overridden by the driver at any time and the system does not react if the turn indicator is set before crossing a lane marking.

When adaptive lane guidance is active when using Travel Assist and the system detects both lane markings to the left and right of the vehicle, the function provides permanent assistance while the vehicle is in motion. The system adopts the preferred position within the lane in which the vehicle is travelling. For example, if the vehicle is being driven slightly off-centre in the lane, the system will learn to adopt the new position within a short period of time.

Lane Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and therefore staying in the lane at all times. The system will not work if there are no recognisable lane markings. The camera vision can be reduced by rain, snow, heavy spray or oncoming lights. This and vehicles in front of you can lead to the lane markings not being recognised by the Lane Assist system. The Lane Assist system does not activate at a vehicle speed of less than 65km/h.

Manoeuvre braking

Manoeuvre braking assists the driver to avoid or reduce damage in a potential collision by initiating emergency braking. It supports the driver during forward and reverse manoeuvring in a speed range of a maximum 10 km/h. If the risk for an accident is recognised, emergency braking is initiated to minimise possible damage.

Manoeuvre braking cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle. The object must be detected by the sensors. If the driver notices a risk that pedestrians, other vehicles or objects could be damaged they need to react accordingly and stop the vehicle.

Multi-collision brake

The multi-collision brake has been designed to provide effective assistance for the driver in the moments after an accident. Multi-collision brake triggers automatic controlled braking once an initial collision has been detected so as to reduce the intensity of further accidents after a collision and can help prevent follow-on collisions with oncoming traffic.

The triggering of the multi-collision brake is based on a collision being detected by the airbag sensors. The ESP control unit limits the deceleration of the vehicle by the multi-collision brake to a defined value and vehicle speed. The vehicle can still be controlled by the driver, even when automatic braking is taking place. The driver can interrupt the multi-collision braking at any time by accelerating or braking even more strongly.

Park Assist

The third generation Park Assist system actively helps the driver when entering or reversing into 90° parking bays, as well as reversing into and driving out of parallel parking spaces. The system works by using sensors mounted either side of the front and rear bumpers together with parking distance sensors front and rear. To park, the driver simply presses the Park Assist button to select the type of parking manoeuvre and uses the appropriate indicator as the car slowly passes the potential parking space. Sensors scan the size of the parking space as the car is driven past and the driver is alerted if the parking space is big enough. If there is sufficient space, the driver stops the car, selects the correct gear and lets go of the steering wheel.

Park Assist will alert the driver of the intended path and subsequently the appearance of obstacles in the Multi-Function Display, within the driver's field of vision. Park Assist then actively supports the driver by taking over the steering control and parks the vehicle in the available space using the ideal course, if necessary with several moves. The driver can however take over the control of the steering at any time and end the automatic parking procedure.

Park Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle. If the driver notices a risk that pedestrians, other vehicles or objects could be damaged or if they are uncertain of the risk, they will need to react accordingly and stop the vehicle, ending the function.

Side Assist with Rear Traffic Alert

Side Assist, is a lane change assistant that detects vehicles on the right and left hand side of the lane, in the blind spot and those vehicles coming nearer behind. The system informs with a warning light in the exterior mirror whenever a detected vehicle is close and a lane change would be dangerous. If the driver sets the indicator, the warning light begins to flash. Rear Traffic Alert warns the driver of approaching traffic at the rear of the car when reversing via an audible warning followed by a visual message in the Optical Parking System (OPS).

Side Assist also works in conjunction with the Lane Assist system. If another vehicle is in the blind spot during a lane change, the dual assist system warns the driver by means of flashing LEDs in the right-hand or left-hand exterior mirror and by vibrations on the steering wheel. It also supports the driver by means of a corrective steering intervention. This procedure occurs regardless of the state of the turn indicators.

Park Assist Plus available as part of the optional Sound & A74 Comfort package, further aids the driver by taking over the throttle, braking and gear change functions. After starting the normal Park Assist process, the system will indicate that Park Assist Plus is available on the multi-function display. By simply holding the Park Assist Auto button on the centre console, the Tiguan will automatically change gears and control the throttle, braking and steering to guide the vehicle into the intended spot. The driver must remain attentive at all times and can slow the parking manoeuvre or stop the vehicle at any time by dressing the brake pedal. The process will also be stopped by releasing the Park Assist Auto button.

Travel Assist

Travel Assist is an assistance system for partly automated driving. At the push of a button, Travel Assist can support the driver in monotonous and tiring driving situations commonly encountered on long motorway journeys. This system combines the functions of Adaptive Cruise Control (ACC), Lane Assist with adaptive lane guidance and Side Assist to accelerate, brake and maintain the vehicle's position within its lane. The capacitive steering wheel can detect whether the driver's hands are on the steering wheel in readiness to steer the vehicle and will issue a visual and audible warning when not detected.

Travel Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. Travel Assist has been developed for use only on motorways. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain. The system will not work if there are no recognisable lane markings. The camera vision can be reduced by rain, snow, heavy spray or oncoming lights. This and vehicles in front of you can lead to the lane markings not being recognised by the Lane Assist system.



Tiguan

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24 Muir Road Chullora NSW 2190
ABN 14 093 117 876

Produced in Australia
March 2021

Publication: VWPTIGSPMY21

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