World première
ID. SPACE VIZZION

Los Angeles, November 2019

Note: You can find this press release along with images and videos of the ID. SPACE VIZZION online at www.volkswagen-newsroom.com

1: Concept car
2: The vehicle has not gone on sale yet
3: ID.3: The vehicle is not yet available for sale in Europe

Contents

The world première of the ID. SPACE VIZZION

In brief

A new way of thinking: the ID. SPACE VIZZION combines the aerodynamics of a Gran Turismo with the proportions of an SUV

Key facts at a glance

- **Zero emissions, maximum flexibility:** the ID. SPACE VIZZION[1] sets the benchmark for a brand new all-electric vehicle segment
- **A concept car with a future:** the ID. SPACE VIZZION provides a preview of the future production version for Europe and North America
- **No. 7 in the ID. Family:** the ID. SPACE VIZZION follows the ID.[1], ID. CROZZ[1], ID. BUZZ[1], ID. VIZZION[1], ID. BUGGY[1] and ID. ROOMZZ[1]
- **The essence of Volkswagen, electrified:** the new ID. SPACE VIZZION brings unrivalled flexibility, uncompromising quality and German design to a new era of mobility
- **Design avant-garde:** the efficiently aligned aerodynamics result in a drag coefficient of just 0.24. With a front end and roof designed to allow airflow, the concept vehicle is given an even more exclusive appearance.
- **Intelligent light:** the animated exterior LED light and interactive ID. Light communicates with the driver of the ID. SPACE VIZZION
- **Long range:** 82 kWh of gross battery capacity makes it possible to cover distances of up to 590 kilometres (WLTP) or 300 miles (EPA)
- **Accomplished cruiser:** with up to 250 kW of power, the ID. SPACE VIZZION sprints to 100 km/h in 5.4 seconds (0–60 mph in 5.0 seconds)
- **Ecologically minded:** the interior is made from sustainable materials including the new AppleSkin™
- **Pure ergonomics:** the right-hand steering column switch controls the automatic gearbox while the left steering column switch takes care of the windscreen wipers

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The highlights of the ID. SPACE VIZZION

Wolfsburg / Los Angeles, November 2019 Volkswagen will stage the world première of the ID. SPACE VIZZION at the Los Angeles Auto Show from 22 November to 1 December – introducing a zero-emission vehicle for a new era, a new way of thinking, and a new form of mobility. The ID. SPACE VIZZION is a futuristic model that combines the aerodynamic properties of a Gran Turismo with the spacious proportions of an SUV. Stylistically, the ID. SPACE VIZZION follows the design DNA of the ID. Family and creates an entirely new look with its fully independent and avant-garde character. The optimum aerodynamic design of the front end and roof is particularly striking, as air flows straight through them. Inside, the concept car features a fully digital cockpit which represents the new status quo in terms of intuitive operation. For the first time, all driving information is displayed primarily in the highly visible Augmented Reality (AR) head-up display. In the ID. SPACE VIZZION, the AR head-up display replaces the traditional cockpit, which now becomes a secondary mini display showing only basic information. All information, entertainment, comfort and online functions and vehicle settings are also grouped together on a 15.6-inch touchscreen which appears to hover in mid-air. The traditional gear knob is a thing of the past, The gears (D, B, R, N) and the park position (P) are now activated using an equally intuitive steering column switch.

Range of up to 590 kilometres. Like all members of the ID. Family, the new ID. SPACE VIZZION will also be fully electric. The five-door Gran Turismo has a lithium-ion battery with a gross energy content of 82 kWh (net 77 kWh). It powers an electric motor mounted on the rear axle (205 kW). Volkswagen has also developed a second configuration featuring an additional electric motor (75 kW) mounted on the front axle. The combination of the two electric motors (250 kW of system power) creates an electric all-wheel drive vehicle. The efficiency of the drive system and the excellent aerodynamic properties (drag coefficient of 0.24) enable the

ID. SPACE VIZZION to cover a range of up to 590 kilometres (WLTP) or 300 miles (EPA).

Debut scheduled for 2021. The ID. SPACE VIZZION shares its name with the ID. VIZZION concept saloon exhibited at the 2018 Geneva Motor Show. The exterior and interior of the ID. SPACE VIZZION showcase a genuine vision of the ID. Class production models. Just like the best-selling Passat, which will still be available worldwide, a saloon and estate version of the all-electric mid-range model, which is similarly positioned, will be on the market from 2021.

Seventh member in the ID. Family. The new ID. SPACE VIZZION is the seventh model in the future ID. Family, following on from the ID. ROOMZZ and ID. CROZZ SUV models, the iconic ID. BUZZ van, the ID. BUGGY beach cruiser and the production version of the compact ID. model which has already been presented. This is the first time that a company in the automotive sector has marketed a completely independent family of electric vehicles while retaining its petrol, diesel, gas and hybrid models. Volkswagen is the first manufacturer to embark on this sustainable path in order to supply the right vehicles for any scenario across all global markets, and to be carbon-neutral by 2050.

Zero-emissions space-saving sensation. The two-tone ID. SPACE VIZZION combines a Saintly Blue Pearl Effect finish – a new metallic white with shimmering blue and violet pigments – with a high-gloss black. In terms of design, the concept car is manufactured on Volkswagen's modular electric drive matrix (MEB), as are all ID. Family models. This creates an entirely new package as the electric drive components are extremely compact and the battery is integrated into the vehicle floor to save space, which means that it is possible to alter the overall architecture of the vehicle body. For instance, the lack of a combustion engine means that the A-pillars can be positioned much further forward in the engine compartment to create a layout that has a positive impact on the sense of space and the proportions. As a result, the interior of the new ID. SPACE VIZZION has

significantly more volume and length than any comparable vehicle in its class. The highly flexible all-rounder is 4,958 mm long, 1,529 mm high, and 1,897 mm wide.

The exterior design – pure aerodynamics

Airflow through the front end and roof. Volkswagen is pursuing new aerodynamic avenues with the ID. SPACE VIZZION: with a front end and roof designed to allow airflow, the concept vehicle is given an even more exclusive appearance. The efficiently aligned aerodynamics of the space-saving sensation result in a drag coefficient of just 0.24. This reduces energy consumption and increases the range. The design of a progressive, all-electric model takes on fresh significance in this context, as a vehicle like the ID. SPACE VIZZION combines the flexibility and roomy proportions of a large SUV with the efficient aerodynamics of a Gran Turismo.

The front end

Low drag coefficient, long range. Electric vehicles do not need a radiator or a large space for the motor. This creates new freedom in terms of design. In the case of the ID. SPACE VIZZION, the designers and engineers have taken advantage of this freedom to optimise the aerodynamics and so increase the range. Airflow apertures have been integrated into the eye-catching front end. Air flows through a horizontal panel between the headlights and is directed to the rear over the extremely low-slung bonnet. The hood has a high-gloss black paint finish and appears to blend into the tinted glass and the black tilting and sliding panoramic sunroof to underscore the sporty design of the ID. SPACE VIZZION. The air also flows into the outer areas of the front bumper, from where it is also directed rearwards. The airflow apertures on the bumper and the bonnet of the ID. SPACE VIZZION have been designed as functional features and are also defining design elements of the concept car's exterior.

Illuminated white VW logo. The lighting elements in the front end are also a definitive feature of the style. A slender white light strip extends out to the left and right of the illuminated white VW logo, reaching across the front end and into the wings and side section. Visually, this strip continues

intermittently to the rear end of the vehicle. Intensive and interactive: the IQ.LIGHT – LED matrix headlights. The brand-new headlamp modules are integrated seamlessly into the bumper. Additional honeycomb-style LED daytime running lights typically associated with the ID. Family (ID. Honeycomb) are located in the sides of the headlamp modules and in the bumper. On the outer side of the bumper, they also act as turn signals in an X formation. The vehicle features a circumferential black splitter in the form of a small front spoiler below the bumper. Stylistically it continues in the side sills and in the rear diffuser, helping to optimise the aerodynamics.

The silhouette

Digital door handles. The extra focus on the aerodynamics also influences the design of the vehicle's side panels. There are no conventional door handles to interrupt the airflow. Instead, the ID. SPACE VIZZION features illuminated touch surfaces which light up as soon as the car's Keyless Advanced function detects someone approaching with a vehicle key or a synchronised mobile key (on a smartphone). When the person makes contact with the touch-activated surface, the light pulsates, the touch pad vibrates, and the door opens. Stylistically the light surfaces for opening the doors represent a continuation of the front light strip.

22-inch wheels. In the lower section of the silhouette it is the clean, seamlessly merged surfaces of the wings and doors, as well as the design of the new 22-inch alloy wheels, which have a positive impact on the aerodynamics. The wheels, designed with five aero flaps in the style of a turbine, are flush with the wheel housings to avoid any interruption of the airflow.

High-gloss black roof In the upper section of the silhouette, it is the visually striking tornado line and the rearward sloping coupé-style design of the black roof that give the design its distinctive look. The tornado line is designed as a gentle undercut to reflect the extreme precision of the

design. The powerful shoulder section of the concept car is located above the tornado line. Stylistically, this line makes the car appear flatter and more dynamic due to the way in which the surfaces are divided. The same applies to the roof, which is painted in a high-gloss black to contrast with the vehicle body. The lateral line of the roof curve features an aluminium appliqué, which will be a typical future styling feature of many ID. models. It extends to the B-pillar, where it widens out and also visually reduces the centre of gravity of the ID. SPACE VIZZION. The roof is extended by the roof spoiler which is incorporated seamlessly into the vehicle's lines. The form and function of this air-directing spoiler matches the rear diffuser, which is also visible from the side.

The rear end

Distinctive roof spoiler and diffuser. Form and function also create an aerodynamic alliance at the rear of the vehicle. One of the dominant elements here is the roof spoiler, which spans the roof area like a bridge and opens out at the bottom, allowing the air to flow both above and below the spoiler. This layout reduces turbulence and optimises airflow. At the same time, this aerodynamic feature is also a striking and distinctive design aspect of the new ID. SPACE VIZZION. Technically speaking, the aerodynamic properties of the low spoiler lip on the roof correspond closely to those of the diffuser in the underbody. Here the clearly defined ribs specifically optimise all air flow under the car's rear end. The roof spoiler, spoiler lip and diffuser work together to reduce turbulence at the rear end and so to optimise the range of the all-electric concept car. One visually striking feature is the transparent red light strip which extends around the entire rear section. On the outside it is fitted with LED tail light clusters in the honeycomb styling that is typical of ID. models. When indicating, these LED elements change to an X formation in the same way as on the front end. In the upper part of the light strip, an illuminated red strip to the left and right of the illuminated white VW logo continues the

circumferential lighting theme of the front daytime running lights and the side lighting elements.

Practical electronics. The concept car's broad boot lid can be opened electrically. The Easy Open sensor-controlled luggage compartment opener can be operated via a touch-activated surface on the boot lid itself or by moving your foot under the rear of the car if your hands are full.

Welcome and goodbye

Interactive lights. All of the exterior lighting elements display a welcome scenario for the user when they wake the ID. SPACE VIZZION. First of all the newly redesigned VW logos at the front and rear light up white, followed by the light strips on the front section and silhouette which create a 360° flow in conjunction with the ID. Honeycombs in the side of the LED headlights. At the same time, additional honeycomb-style LEDs in the bumper generate a lighting effect to animate the airflow over the front end. While this is going on, the illuminated red horizontal panel which runs from the outside to the inside of the rear end is activated. Finally, a digital effect makes it look like the matrix headlights are opening like eyes. Conversely, a goodbye scenario is initiated as soon as the car is locked from the outside.

The interior – plenty of room for life on the road

Progressive. Three aspects characterise the interior of the new ID. SPACE VIZZION – excellent use of space, sustainable materials, and completely intuitive controls. Together, these create the interior of the future.

Open Space

Maximum use of space. All models constructed on the new modular electric drive matrix (MEB) feature an interior space which is always between half to one class higher than in a vehicle with an internal combustion engine. This is due to the compact electric drive and the battery, which is integrated into the underbody. This is also the case in the ID. SPACE VIZZION. Opening the doors takes you into an open space – an interior that is more like that of an upper-range vehicle than a mid-sized car. The concept car has four seats. The passenger compartment features a rear bench seat with two seats. A version with three seats is also conceivable. Between the seats, to the front rear, there is a large fold-out centre console with stowage areas, drink holder and USB-C ports.

Sustainable materials

Leather-free. In the new ID. Models, the issue of sustainability includes not only the electric drive, but also the materials used in the vehicle. This is why there is no chrome in the interior of the ID. SPACE VIZZION – a chrome-look paint is used instead. Another example can be found in the seats, the cocoon-like door trim, the dials and areas such as the centre console armrests. They are covered with the new, visually appealing and tactile AppleSkin™ material – an innovative leather-free material with the same technical properties as leatherette. AppleSkin™ feels as comfortable as leather without actually being made of leather.

AppleSkin™

Plant-based leatherette. AppleSkin™ consists of a proportion of residual matter from apple juice production. This is turned into a new raw material which replaces a chemical component. It is currently possible to replace 20 percent of polyurethane used exclusively up until now with apple leftovers using a process that was developed in-house especially for this purpose. The result is AppleSkin™, a new product which uses existing and sustainable resources. Plastic decorative inserts and film will also no longer be used in the ID. models. These too will also be replaced by AppleSkin™, as in the Los Angeles concept car. A future version of AppleSkin™ will feature a metallic surface and will be illuminated by the background lighting.

Perfection in every last detail. Features including Alcantara edging with a double felled seam (both in petrol-coloured Dragonfly) on the dash panel ensure a high level of sophistication and customisation. The exterior colours are mirrored in the interior, where the dominant tones are the bright Mistral (seats, armrests, door trim, lower dash panel), the darker Copper Glossy (outer sides of seats, central dash panel, upper door trim) and the very dark Soul (non-reflective upper section of the dash panel).

Electric longboards in the luggage compartment

Last-mile electric street surfers There is a 586-litre luggage compartment behind the rear seats, which is more than a match for the storage capacity of many SUVs. The compartment is fitted with a fold-up loadbed. Underneath it, two electric longboards are clipped into a special holder. These can be used as last-mile electric street surfers. They are also clipped into the holder. The luggage compartment also contains two helmets for safe use of the electric longboards. There is also sufficient space for the charging cable of the ID. SPACE VIZZION under the fold-up loadbed.

The cockpit – a person-centred approach

Intuitive controls. Volkswagen's ID. SPACE VIZZION heralds the dawn of the all-digital cockpit. Systematic digitalisation makes operating the vehicle more intuitive than ever before. All drivers will be able to get to grips with the full range of features in the ID. SPACE VIZZION quickly and easily – bringing new freedom to an increasingly complex world. The straightforward logic of the controls is reflected in the new care-free lightness of the interior design. You can create a bespoke visual appearance in the interior using background lighting with a spectrum of 30 colours. For the first time ever, individual colours can be assigned to touch-activated surfaces in the central Infotainment system for functions such as media or phone. Natural voice control is another important tool for operating the vehicle.

A conscious paradigm shift. Volkswagen's technical revolution in production vehicles, which was launched with the new Golf and the new ID.3, continues in the interior of the ID. SPACE VIZZION. The aim is to provide uncompromisingly intuitive and straightforward controls. The focus here is on people. There are five central control components – the interactive ID. Light, a multifunction steering wheel with capacitive touch panels, an Augmented Reality (AR) head-up display as the primary source of driver information, a digital mini display as a secondary display for the driver, and a 15.6-inch touchscreen.

Multifunction steering wheel and changing gears

Gear changes on the steering wheel. The new multifunction steering wheel is equipped with capacitive touch panels. In a radical departure, the right-hand steering column switch now becomes a gear knob. And it is easier and more intuitive than ever before – turn the steering column switch one notch forward out of the neutral position (N) to activate drive mode (D); turn it again to activate energy recovery mode (B); the park

position P (including parking brake) is activated by pressing the side of the steering column switch. Furthermore, the following applies: because the gear-change function is now on the right, the windscreen wiper function migrates to the left-hand steering column switch for the first time ever in a Volkswagen.

The AR head-up display

The cockpit reinvented. Volkswagen has done away with the traditional large cockpit layout in front of the driver in the ID. SPACE VIZZION. Instead, the usual cockpit position is occupied by a narrow mini display containing basic information such as the speed and the battery charge level. Innovatively, all of the information required for driving is clearly displayed on the AR head-up display, which replaces the traditional cockpit layout in the ID. SPACE VIZZION. The AR head-up display makes it much easier for the driver to focus on the key information, as the relevant data including the current speed is shown in a large format, making it the primary display. Certain information such as navigation instructions are now shown only on the AR head-up display. Augmented reality makes it possible to project navigation instructions onto the virtual space in front of the ID. SPACE VIZZION. Pictograms such as a turning arrow can also be displayed in the visual field when the driver actually needs to make a turn.

The ID. Light

Intuitive perception. The driver automatically and intuitively takes other key information from the ID. Light – an interactive light strip between the A-pillars. The ID. Light also provides the vehicle with a way to give feedback – greeting the driver upon entry (welcome scenario), indicating that the silent motors are operational, saying goodbye when the driver leaves the vehicle (goodbye scenario), interacting visually with voice control to help the driver, and of course displaying important information

from the assistance systems in the driver's peripheral vision. Different colours are used depending on the function. The ID. Light highlights the instructions issued by driver assistance systems and navigation, provides information on the battery charge level, and notifies the driver of brake prompts or incoming telephone calls. Navigation example: the ID. Light flashes to recommend that you change lanes; the system can also warn the driver if their car is in the wrong lane. Voice control example: the driver and front passenger receive feedback on their voices in the form of a light signal. The light indicates whether the voice control assistant is responding to the driver or the front passenger. Colours are also used in line with intuitive perception – green indicates a fully charged battery while red is used for braking prompts.

The ID. Light performs the following functions while stationary:

- Hello and goodbye animation
- Instruction to apply brakes
- Vehicle's drive system
- Lock and unlock
- Visual representation of the charging process (six elements from 0–100%)

The ID. Light performs the following functions while driving:

- Brake prompts (Autonomous Emergency Braking)
- Navigation instructions (lane changing, turning instruction)
- Assists voice control
- Incoming telephone call
- Energy-saving mode (the vehicle cannot continue travelling at higher speeds if the battery capacity falls below a minimum limit, so as to maximise the range). This programme is also called "absolute reserve mode"

The Infotainment system

As simple as a smartphone. All information, entertainment, comfort and online functions and vehicle settings are grouped together on the central 15.6-inch touchscreen. The driver and front passenger can use the touch

slider on this screen to intuitively change the temperature of the air conditioning system and the volume of the sound system. The Infotainment system of tomorrow not only offers maximum intuitive operation, but also a high level of customisation options coupled with interactive online support. The Infotainment system in the ID. SPACE VIZZION uses an online connectivity unit with integrated eSIM to network with the online features and services from Volkswagen We. We Connect and We Connect Plus.

Maximum customisation. The ID. SPACE VIZZON recognises the driver on the basis of the vehicle key or mobile key and adjusts to their settings before setting off. The driver can go to a central home screen to set up personalised touch-activated fields (tiles) on three different levels and use these to control all the Infotainment system functions. The colour spectrum of the Infotainment system also changes according to the selected background lighting colour. If the ID. SPACE VIZZION detects a stressful situation – such as rush hour traffic jams – the system suggests switching to a relaxation mode in which a relaxing background lighting shade is activated. Another new features is the tile for We Experience – a We Connect service. This function proactively reminds the driver of appointments. If required, it also provides information on a range of points of interest along the route – to visit a particularly worthwhile museum or an exhibition, for example.

Smart Climate. It goes without saying that the on-board air conditioning system is also regulated. The new ID. SPACE VIZZION comes with Smart Climate, which is now fitted as standard in the new Golf. The user can simply say "fresh air" or touch a corresponding touch-activated surface to get a fresh breeze blowing through the interior. Other default Smart Climate settings include "cool quickly", "cool feet", "warm feet", "warm hands", "demist the windscreen" and "quick heating". No less intuitively, the ventilation system can be controlled using a virtual interior with a touchscreen.

The powertrain – zero emissions

Up to 250 kW of system power. The ID. SPACE VIZZION exhibited in Los Angeles is powered by a 205 kW electric motor mounted on the rear axle. A lithium-ion battery supplies power to the electric drive motor. The gross energy content of the battery is 82 kWh (net: 77 kWh). Power electronics on the front and rear axle control the flow of high-voltage energy between the motor and the battery. Power electronics convert direct current (DC) stored in the battery into alternating current (AC). The on-board electronics are supplied with 12 volts via a DC/DC converter. Ideal weight distribution (approaching 50:50) is achieved by placing the battery in the middle of the vehicle floor and positioning the drive components. This results in extremely dynamic and safe handling. The fully redeveloped running gear also has a significant influence on this, featuring electronic damping control, a multi-link rear axle, and a McPherson front axle.

4MOTION as an alternative. In addition to the 205 kW rear-mounted engine, the ID. SPACE VIZZION can also be fitted with a 75 kW coaxial drive. The combination of both motors results in a system output of 250 kW. The rear axle provides propulsion as standard. An electric propshaft distributes the power of the 4MOTION all-wheel drive between the front and rear axles within fractions of a second once this becomes necessary due to driving dynamics. In addition, the ID. SPACE VIZZION 4MOTION can also be driven in permanent all-wheel drive, for instance in ski resorts.

Driving performances and range. The 4MOTION version of the ID. SPACE VIZZION sprints to 100 km/h in 5.4 seconds (0–60 mph in 5.0 seconds). The maximum speed is electronically limited to 175 km/h (109 mph). In the European WLTP cycle, the range of the rear-wheel drive concept car exhibited in Los Angeles is up to 590 kilometres. In the US EPA cycle, the range is up to 300 miles.

ID. SPACE VIZZION – technical data

Technical basis:	Modular electric drive matrix (MEB)
Status:	Concept vehicle
Potential start of series production:	2021

Body/vehicle interior

Length:	4,958 mm
Width:	1,897 mm
Height:	1,529 mm
Wheelbase:	2,965 mm
Wheel/tyre size:	9J x 22 / 255/35 ZR 22
Flexible open space:	Four seats (alternatively five)
Luggage compartment volume:	586 litres

Drive system / range / driving performance

Drive:	Rear-wheel drive (alternatively 4MOTION)
Electric motor at rear:	205 kW / 279 PS; 550 Nm
Electric motor at front (additional alternative):	75 kW / 102 PS; 150 Nm
Rear-wheel drive system power:	205 kW / 279 PS
4MOTION system power:	250 kW / 340 PS
Gross battery capacity:	82 kWh
Net battery capacity:	77 kWh
Range (WLTP/EPA):	up to 590 km / 300 miles
Charging capacity:	150 kW (DC)
Charging time up to 80 % at 82 kWh:	approx. 30 min
0-100 km/h:	5.4 s (4MOTION)
0-60 mph:	5.0 s (4MOTION)
Maximum speed (limited):	175 km/h / 109 mph