



Geneva Motor Show 2019

**Micro mobility by Volkswagen:
Streetmate and Cityskater**



Contents

Micro mobility by Volkswagen

Streetmate & Cityskater

In brief

Important facts – Streetmate & Cityskater Page 03

Holistic electric mobility Page 03

Key aspects

Streetmate – The medium-range electric scooter Page 04

Cityskater – Electric mobility for the last mile Page 06

Technical data Page 07

Note:

This press release and image motif regarding the Streetmate and Cityskater can be found online under www.volkswagen-newsroom.com.



Micro mobility by Volkswagen: Streetmate & Cityskater

Key facts – Streetmate¹ & Cityskater¹

- **Urban mobility:** Volkswagen is presenting innovative electric vehicles for urban centres in the form of the Cityskater and the Streetmate concept scooter.
 - **Silent running:** The Volkswagen short-range specialists drive silently with zero local emissions in cities.
 - **Small, but powerful:** Streetmate (e-scooter) and Cityskater (last-mile electric street surfer) expand the range of Volkswagen electric mobility products.
 - **As you like it:** Volkswagen mobility products are more tailored to customer requirements than ever before.
 - **Streetmate:** The Volkswagen Streetmate electric concept scooter can be driven in a sitting or standing position.
 - **Fast and flexible:** Streetmate weighs 65 kg, has a top speed of 45 km/h (electronically limited) and a range of up to 35 km.
 - **Cityskater with three wheels:** The new Cityskater is an electrically powered street surfer for the last mile.
 - **Remarkably fast:** The Cityskater has a top speed of 20 km/h and is designed for an urban range of up to 15 km.
 - **Light and compact:** When folded, the Cityskater fits into the boot and can easily be carried on the tube.
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In brief

Holistic electric mobility

Wolfsburg / Geneva, March 2019. – The Volkswagen brand is taking the next steps in its holistic electronic mobility strategy. In addition to full electric models in the I.D. Family (I.D.¹, I.D. BUZZ¹, I.D. CROZZ¹ and I.D. VIZZION¹) the brand is also committed to micromobility, another future area of sustainable urban mobility: Volkswagen will be giving an insight into this at Geneva Motor Show (public stage from 7 to 17 March) with two innovative concept cars for this new form of mobility: the cool compact



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Cityskater, a production-ready last mile surfer and scooter-like concept car, Streetmate. The Streetmate has a range of up to 35 km, which means it can easily cover relatively long distances and is therefore perfect for daily runs between home and workplace. The Cityskater offers a range of around 15 km; it fits into the boot and can easily be carried on the tube. Volkswagen covers the entire range of electric mobility – from the luxury class concept car I.D. VIZZION, the multivariable and iconic I.D. BUZZ, the spacious SUV I.D. CROZZ and the compact I.D., not to mention the Streetmate and Cityskater.

Networked mobility. The seamless networking of different vehicle types – and thus the use of compact micro mobility products in the style of the Streetmate and Cityskater – are creating exciting new opportunities for urban mobility. The use of mobile solutions such as Streetmate and Cityskater saves time. Visitors and residents in cities around the world will soon be able to leave their cars at home, at hotels, in parking garages, outdoor car parks and parking spaces, opting instead for smaller zero-emission vehicles such as the Streetmate and Cityskater to get around. Innovative vehicle concepts such as the Streetmate and Cityskater thus have the potential to bring about a permanent change in future mobility habits.

Key aspects

Streetmate – The medium-range electric scooter

Unbeatable in the city. The Streetmate is a clever alternative to a car in a city, as it offers flexibility like no other vehicle when it comes to medium-range travel. The electric scooter also solves traffic problems by simply avoiding them. Parking is a breeze, as the compact and agile Streetmate can fit into even the smallest parking space. This avoids stress and saves time. The Streetmate scooter also benefits the environment with an electric drive system that boasts zero local emissions and is extremely quiet. It



makes users feel good about being on the road, reduces the generation of air pollution in inner cities and transport stress for urban residents. At the same time, the Streetmate makes a visual statement with its clear, bicycle-like product design that stands out strikingly from the sluggish appearance of conventional scooters. This visual impression is reinforced by the fact that the Streetmate's small motor (output: 2 kW) is integrated into the rear wheel hub.

Fast, light and agile. The Streetmate, which has a top speed of 45 km/h, is driven comfortably in a sitting position. Depending on vehicle registration regulations there is also a function that enables the seat to be folded away, allowing the electric scooter to instead be driven in a standing position. The concept scooter is light (65 kg) and also has a particularly low centre of gravity, as the lithium-ion battery is integrated into the floor structure. The battery has a rated capacity of 1.3 kWh. It can be fully recharged in two hours and 15 minutes at a charging station with a charging power of 500 watts. Alternatively, the battery can be removed and then recharged at home or at the office. The Streetmate can travel up to 35 km on a fully charged battery, which gives it an optimal range for urban driving, also in larger cities.

Easy to drive and operate. It's easy to drive the Streetmate and use its features. For example, electric power is called up by pressing a switch on the handlebar with your thumb. Perforated disc brakes and an anti-lock braking system (ABS) ensure safe braking deceleration, whereby the rear wheel-hub motor recovers energy through regenerative braking. The range of the Streetmate can also be extended via an Eco mode. Users would need to have a driving licence and wear a helmet in Europe, and the scooter would also have to be registered and insured.

Extensively networked. The Streetmate stands out with its clever connectivity. A 5.3-inch display (resolution: 1,440 x 2,560 pixels) in the middle of the handlebars serves as the control centre. The display is weather and waterproof. The light-green monitor shows general operating parameters



such as the battery charge state and the remaining range. The display can also be connected to a smartphone from which it can then obtain navigation data too. The linked smartphone uses an app to also show information such as the Streetmate's current location. The app triggers an alarm if an unauthorised individual tries to start the scooter. The scooter can only be started if the app confirms that the user is an authorised driver, thereby transforming the smartphone into a digital key.

Cityskater – Electric mobility for the last mile

Two front wheels and one rear wheel. The Cityskater was designed for last-mile travel – for example from a parking space or bus or train stop to the final destination. The Cityskater moves on three wheels (two in front, one at the back) with electric power (from the rear wheel) through a city. Unlike a conventional skateboard or scooter, the Cityskater has a footboard with a front wheel for each leg. A control rod provides the necessary stability; steering is similar to skiing, as the skateboard is steered by intuitively shifting weight from one leg to the other.

Mobility out of the luggage compartment. The Cityskater is a three-wheel mobility supplement for urban spaces that can be folded up to fit into almost any luggage compartment. It can then be unfolded and made ready to use in just seconds. The control rod is used to start, accelerate and brake the double-board. The Cityskater operates at bicycle speed (up to 20 km/h), which means it's perfect for bridging distances too far to cover on foot. Its lean angle of 22 degrees makes quick cornering a breeze. The electric motor at the rear wheel has an output of 350 watts. The lithium-ion battery has an energy capacity of 200 Wh and can be charged to up to 50 per cent of this capacity in less than an hour using a conventional household socket (230 volts). Range at half capacity: up to 7.5 km. this increases to around 15 km at full capacity. If a power source is available, the Cityskater can also be charged in the boot of a car or in a train.



Less than 15 kg. The Cityskater is currently in the homologation phase; the goal is to obtain approval for use on cycle paths. This lightweight 850 mm long Cityskater, has a height of 1,170 mm when folded out and can support up to 120 kg. It has a hill-climbing capacity of 10 per cent. It also comes with front and rear lights, a horn and a disc brake at the back. When folded up, the Cityskater is only 330 mm high, which means it can fit alongside an office desk.

Technical data

| | Streetmate | Cityskater |
|----------------|----------------|-----------------|
| Drive | electric | electric |
| | Electric motor | Electric motor |
| Output | 2 kW | 350 Watt output |
| Battery | Lithium-ion | Lithium-ion |
| Rated capacity | 1.3 kWh | 200 kWh |
| Maximum speed | 45 km/h | 20 km/h |
| Range | up to 35 km | up to 15 km |
| Weight | 65 kg | Less than 15 kg |

¹⁾ *Concept car*