



VOLGABUS

zero  
emission

# CR12E

CITY LOWFLOOR  
ELECTROBUS





VOLGABUS

NEW HERO IN MEGAPOLIS

CR12E

# Lightweight body construction

It came to change the city.

Stylish. Powerful.  
Effective. Economy.  
Eco-friendly.

Meet the new  
generation electric bus  
CR12E.







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EXTERIOR

CR12E

# Avantgarde design elements



Tailored lines and wide windows bring out the technological effectiveness.

Avantgarde details make the bus exterior very stylish.

CR-12E inspires to move towards the infinite possibilities of the metropolis.





# 85 26

Passengers

seats

The priority task of the bus interior design and ergonomics of the passenger compartment is to ensure comfort during the trip, even if it lasts only for a few minutes.

The passenger compartment is very bright due to wide windows and eye-pleasing LED lights.

The bus seats are perfectly fitted to the human body form.

The layout of the handrails provides for convenient movement around the passenger compartment.





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INTERIOR

CR12E

# Friendly for everyone

The bus is friendly for bicyclists, mums with strollers, people with disabilities.

The lowfloor bus with a large crowding area has enough space for everyone.

Driver call buttons are installed on the handrails  
The bus is equipped with a folding ramp for wheelchairs.







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EASY DRIVING

CR12E

# EBS & E-drive

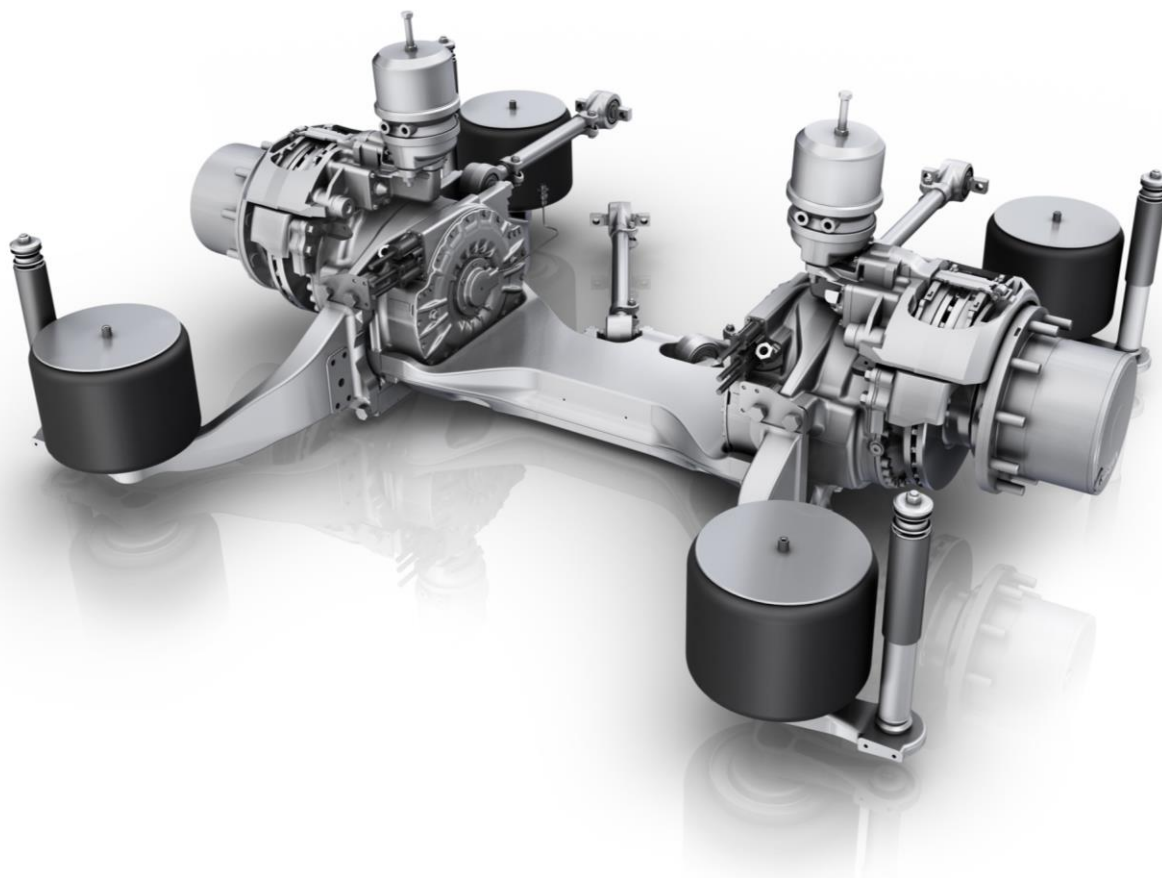
To drive a bus like a passenger car? The driver's seat of CR12E makes it possible.

Simple and easy-to-use keys, bright LED display, electric power steering reduce driver's workload and make his work easy and comfortable.



# 250 kW / 326 hp

Max. power



The electric bus has an electric drive integrated into the rear leading axle.

It allows to save space in the passenger compartment, to increase distance between wheel housings and to ensure the lowfloor layout.

ZF AVE-130 power-wheel provides excellent dynamic performance and comfortable maneuvering in the city traffic.

# 300 kWh

Total power





The bus has high capacity batteries "Next-Generation Li-ion".

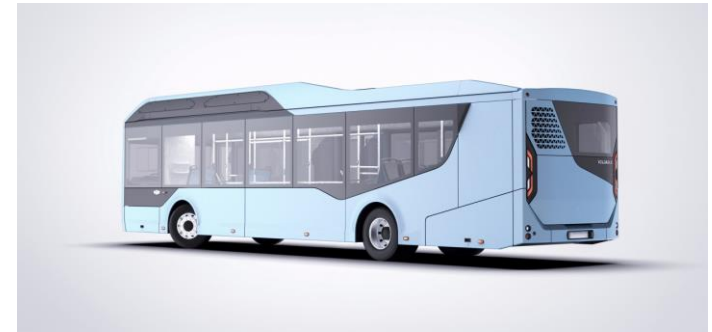
Effective BMS reduces energy loss at disbalancing of individual unit cells.

Customized settings to control the drive motor in generator mode, together with electronic braking system allow to effectively use the regenerative braking energy to recharge the drive batteries.



		Energy consumption	Decisions	Effect
 300 kWh	Power drive		Efficient settings of the electronic control system High efficiency 95% Effective use of electrodynamic braking	0,8 kWh/km Up to 300 KM 
	Climate control		Electric heat pump	
	Additional Systems		Electric doors and steering control High efficiency 93	

Dimensions	12000/2550/3300
GVWR	19 000
Passenger capacity	85
Seats	26
Power	2X125 kW
Energy	LFP 300 kWh
Energy consumption	0,8 kWh/km SORT3 1,3 kWh/km SORT1
Charge technology	Overnight at Depot 4,5 h 60 kW AC   50 kW DC
Climate	Heating pump 30 kW
Brake system	EBS3
Steering	E-drive
Doors	E-drive
Safety systems	ADAS







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**THANK YOU FOR YOUR ATTENTION!**