

Electric range

Otokar





www.otokareurope.com

e-KENT C ARTICULATED *electric* DRIVE 18 m




-  100% electric
-  Zero emissions
-  Minimal noise level
-  **ASR** **EBS**

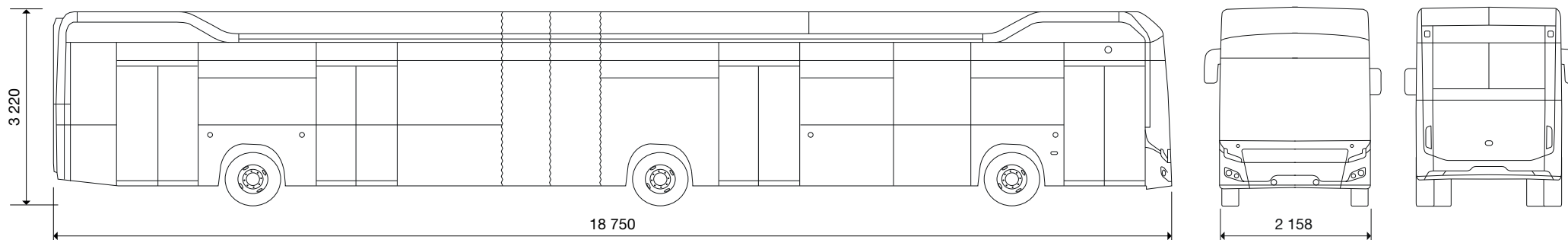
	Length 18.00 m - Width 2.54 m
	Electric

 Up to **123** passengers*

 410 kW

 Up to 560 kWh

Low floor



* With a capacity of 560 kWh 16 battery packs

Technical specifications

Electrical drive system

Voith IPSM	Coolant system Permanent magnet synchronous
Maximum output / 30 minutes of constant output	410 kW / 310 kW
Maximum torque	3 100 Nm Max
Nominal AC voltage	800 V
Maximum current	800 A
Maximum speed	3 800 rpm

Batteries

Type	Li-ion / NMC
Complies with standard UN ECE R100 rev 2	Yes
Number of batteries	16 packs
Capacity	560 kWh (490 kWh options)
Number of cells	192 units
Battery cooling	Yes

Charging system

Type	Depot charging
Maximum charging power	150 kW
Charging technology	Direct current
Socket	Combo CCS Type2
Socket location	Exterior, rear right-hand side
Average charging time	4 hours (100-150 kW charging station output required)

Axles

Front axle	ZF RL 82 EC
Central axle	ZF AVN 132
Rear axle	ZF AV 133/80

Suspensions

Front	2 bellows + 2 shock absorbers 1 levelling sensors
Central	4 bellows + 4 shock absorbers 2 levelling sensors
Rear	4 bellows + 4 shock absorbers 2 levelling sensors

Safety

EBS	Electronic Brake System
Type	Pneumatic, double circuit
Front/Rear	Discs, ABS, ASR, EBS
Parking brake	Pneumatic, applied to the rear axle
Secondary brakes	Regeneration
% of energy recovery	Up to 25%

Electrical system

Batteries	225 AH 12 V
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Tyres

Front/Rear	275 / 70 R22.5
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Safety equipment

Driving aids	Parking radars - Reversing camera
Fire detection	Battery fire detection and alert system

Structure

Chassis	Monocoque with cataphoretic coating and aluminium sides
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Heating and air conditioning

Air conditioning	30 kW cooling + 19 kW heating with numerically controlled heat pump
Heating	Frontbox + 3 passenger compartment heaters
Auxiliary heating	20 kW electric water heater

Doors

Front	Double swing, inward swinging, pneumatic (option: electric)
Central 1	Double swing, inward swinging, pneumatic (option: electric)
Central 2	Double swing, inward swinging, pneumatic (option: electric)
Rear	Double swing, sliding, pneumatic (option: electric)

Steering system

Electrohydraulic LHD

Articulation system

JVS (option: Hübner)







Dimensions

Length (mm)	18 750
Width (mm)	2 540
Maximum height with air conditioning (mm)	3 220 (max)
Wheelbase 1	5 900
Wheelbase 2	6 740
Turning circle (kerb/wall) (m)	12 000
Front overhang (mm)	2 158
Rear overhang (mm)	1 890

Weight

GVW (kg)	30 000 kg
Maximum capacity of front axle (kg)	8 000 kg
Maximum capacity of central axle (kg)	10 000 kg
Maximum capacity of rear axle (kg)	13 000 kg

Capacity 7 000 kg

						
490 kWh 14 battery packs	37	-	88	1	1	1
490 kWh 14 battery packs	37	-	96	-	-	1
560 kWh 16 battery packs	37	-	79	1	1	1
560 kWh 16 battery packs	37	-	86	-	-	1

Other layouts available on request