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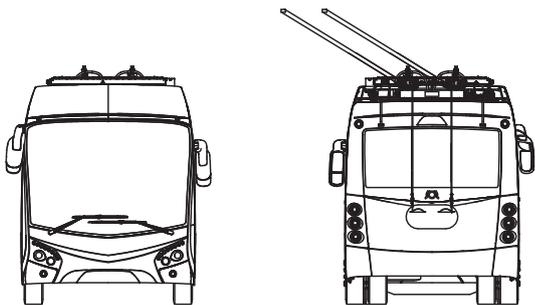
TROLLEYBUS ŠKODA 33TR ESSLINGEN
THREE-AXLE ARTICULATED 18M LOW-FLOOR



THREE-AXLE ARTICULATED 18M LOW-FLOOR TROLLEYBUS ŠKODA 33TR

KEY FEATURES

- | **100% low-floor design** – Full accessibility for passengers with reduced mobility
- | Fully compliant with applicable EU General Safety Regulation (GSR) and Cybersecurity (CySe) requirements
- | **Regenerative braking** – Energy recovery during braking for battery recharge or grid return
- | **NMC (liquid-cooled) traction battery** – high energy density, stable performance and long lifecycle
- | **Plug-in charging (CCS 2)**: two charging sockets per vehicle
- | **Advanced diagnostics** – All systems accessible via onboard diagnostic computer
- | **Automatic Passenger Counting (APC)**
- | **Hill Holder & Door brake functions** – Prevents rollback and ensures safety during boarding
- | **Two driving axels** – Better acceleration and manoeuvrability
- | **Traction motor**: ŠKODA 2×160 kW (asynchronous motor, air-forced cooling)
- | **Power Container**: ŠKODA (traction inverters, auxiliary inverters, 24V charger)
- | **Insulation Monitoring**: ŠKODA insulation detector
- | **Current Collector**: Semi-automatic (push-button operated) Compatibility with VETRA switch control systems
- | **Contact network voltage**: 600 V DC or 750 V DC



BASIC TECHNICAL PARAMETERS

Parameters	Value
Dimensions (L×W×H)	18,750×2,550×3,500 mm
Passenger Capacity	125 (48 seated + 77 standing)
Traction Motor	2×160 kW
Battery Technology	NMC
Battery Capacity	156 kWh
Off-wire Operation	Up to 30 km off-wire operation
Door Configuration	2-2-2-0 (front inward-swinging, middle and rear sliding outward)
Suspension System	ECAS with kneeling and lifting
Maximum Speed	65 km/h (software adjustable)
Diagnostics & Monitoring	On-board diagnostics incl. ABS, ECAS, etc.

