



Trolleybus  
ŠKODA 30Tr SOR

## Two-axle 12 m length low-floor trolleybus

• Length	12 180 mm
• Width	2 550 mm
• Height incl. lowered poles	3 400 mm
• Outer turning circle diameter	24 000 mm
• Ramp clearance front/rest	7° / 7°
• Curb weight	10 800 kg
• Total passenger capacity	94
• Seats	32 + 1
• Type of bus body	SOR Libchavy
• Front axle	SOR Libchavy (rigid portal)
• Rear axle (driving)	ZF AV 132
• Total gear ratio	9,82
• Suspension	pneumatic

## Electrical equipment

### Technical interests:

- IGBT technology
- Asynchronous drive, maintenance-free
- 4 quadrant service (drive and brake)
- Energy recuperation during braking (15%-30%)
- Continuous regulation of moments until zero speed
- Comfort diagnostic system
- Operation on both trolley polarities
- Possible operation on lower power supply

### Roof container SJ 3.1

- Nominal output power of main traction inverter 204 kVA
- Nominal output power of auxiliary inverter 10 kVA
- Nominal current of board 24V battery charger 220 A
- „Double“ electrical insulation inside container
- Protection Classification IP 55
- Cooling AF (air, forced)

## Traction motor

- Asynchronous traction motor SKODA 4 ML 3444 K/4
- Nominal power 160 kW
- Cooling self
- Insulation class 200

## Collectors

- Manual TSS 5.7
- Semiautomatic TSS 10.1

## Heating

- Water, with electric boiler, double insulation

## Compressor

- Hydrovane V02CN, Compair, single-stage rotary multi-plate

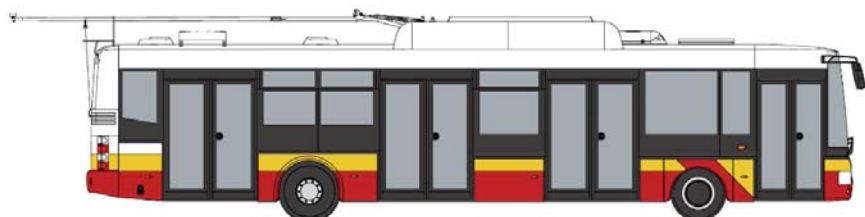
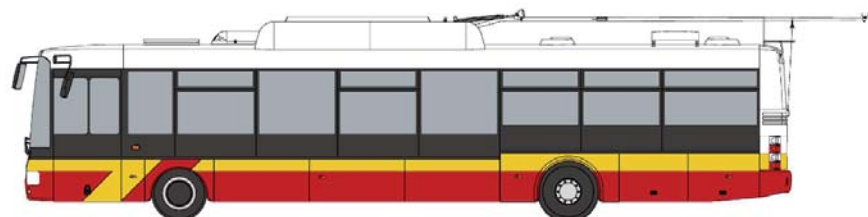
## Options:

### Diesel-electric generator

- Air pollution EURO 5
- Nominal power 100 kW
- Generator with permanent magnets

### Air-Conditioning

- For driver
- For passengers



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