

Electric locomotive class 230, DR



DR

Epoch: IV

14+



Art. No.: 79220

Electric locomotive class 230 of the Deutsche Reichsbahn.

Completely new construction including 16-BIT SOUND for a perfect sound experience.

- Version as a series locomotive of the class 230
- Finely detailed model with many separately applied plug-in parts
- Completely newly-developed current collectors with innovative attachment
- Elaborate roof area design as well as the ventilator slats allowing an unobstructed view
- Delicate design of the bogies as well as the spoked wheels
- With rail guards and air tanks in closed form for realistic presentation in display cabinets
- Comprehensive lighting functions in the digital versions ex-works: Driver's cab and control panel lighting as well as engine room lighting
- Newly-developed "Dynamic Sound" package with two loudspeakers for improved depth of sound

In the 1980s, the DR purchased electric dual-mode locomotives to improve operating procedures in the steadily growing cross-border traffic between the GDR and Czechoslovakia. Due to the lack of experience in the field of dual voltage technology (GDR: AC voltage 15 kV/16⅔ Hz, ČSSR: DC voltage 3 kV) and full capacity production at the electric locomotive manufacturer LEW in Hennigsdorf, the machines were built based on the ČSD series ES 499.1 and 499.2. However, the locomotive factory Škoda had not built a locomotive for the AC system before, so the parts of the AC equipment were supplied from the GDR. Due to the demand of the ČSD, this resulted in a double order for Škoda with 15 locomotives class 372 and 20 locomotives class 230 for the DR.

Specifications:

General data

Coupling	NEM shaft 362 with close coupling mechanism
Minimum radius	358 mm
Number of axles with traction tyres	1

General data

Number of driven axles	3
Flywheel	yes

Electrical

Interface	Electrical interface for traction units PluX22
Head light	3 headlight, dependent on the direction of travel/2 tail lights, dependent on the direction of travel
Interior lighting	Yes
Interior lighting	LED
Interior lighting	Digital switchable
Interior lighting	Driver's cab lighting
Interior lighting	Engine room lighting
Decoder type	MS450P22
Sound	yes
Sound quality	16 bit
LED head light	yes
Additional light function	yes
Buffer capacitor	yes

Measurements

Length over buffer	193 mm
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