



97602 PKP 111A Passenger car IV



97603 PKP 112A Passenger car IV

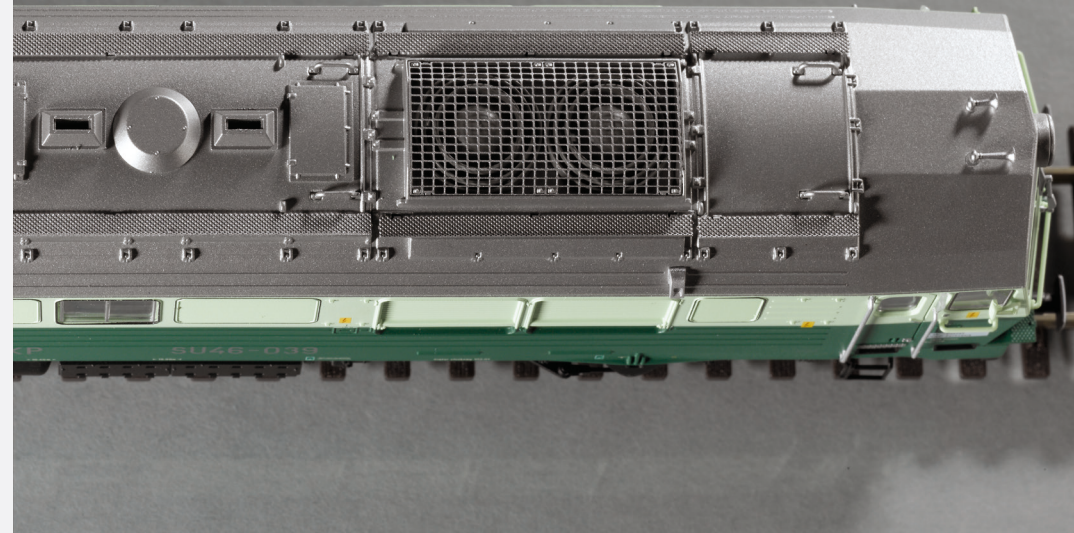


97609 104A Sleeping car PKP IV



97610 111A Passenger car PKP IV

Detailed roof fan grid



Many separate details

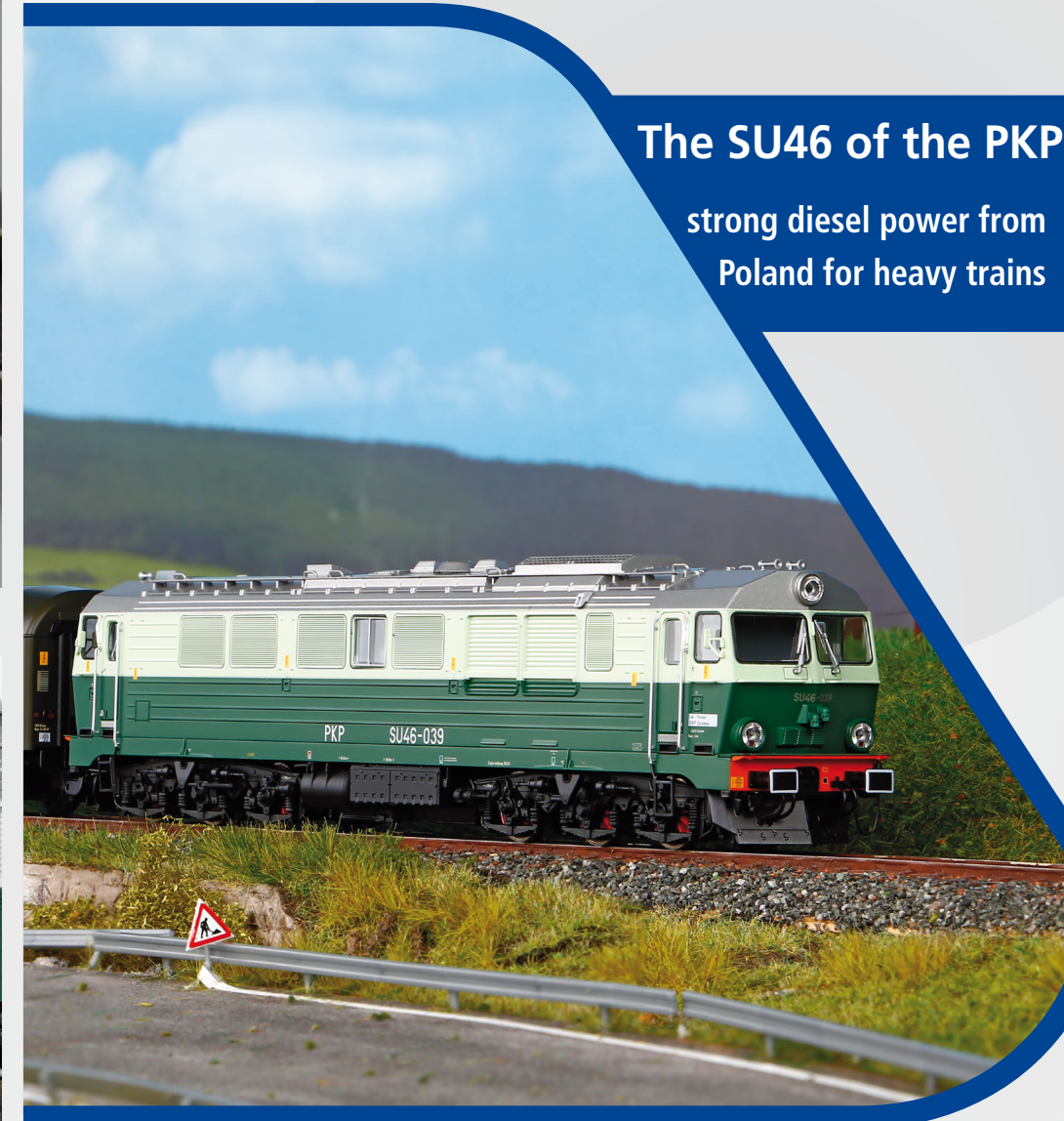


Detailed coloring and printing



The SU46 of the PKP

strong diesel power from Poland for heavy trains



Also available as a sound locomotive with an innovative PIKO SmartDecoder 4.1 Sound PluX22!

## Diesel locomotive SU46 of the PKP



Photo: Hilary Kniat

After Poland's first mainline diesel locomotive, the SP45 series, had proved its worth, the Polish state railways decided to purchase an upgraded version that could also be used in heavy, high-quality passenger services. Because they appreciated its reliability, the designers used the FIAT engine of the SP45, but increased its output to 2250 hp. This step proved to be an economic stroke of luck: the diesel engine with its significantly higher charge was only slightly higher in fuel consumption than its predecessor. The innovations of the new PKP diesel locomotive also included an electric train heater and the production-optimised shape of the driver's cabs and the locomotive body with the corrugated side walls.

After minor teething troubles of the prototype locomotives SU46-001 and SU46-002 had been recognized and „cured“, the Poznan locomotive construction company Cegielski delivered another 50 SU46 from 1976 to 1977, which with their power of 1654 kw and a top speed of 120 km/h fulfilled the PKP's expectations so well that the commissioning of another 267 machines was planned.

For various reasons, however, only SU46-053 and SU46-054 were purchased. In 2012, more than 30 SU46 series machines were still in tough everyday use.

## PIKO Diesel locomotive SU46 of the PKP



52860 Diesel locomotive SU46 PKP IV  
52861 ~ Diesel locomotive SU46 PKP IV

For all Class SU46 locomotives:



Additionally for all Class SU46

AC locomotives:

Matching accessories:

# 56400 PIKO SmartDecoder 4.1 PluX22 multiprotocol  
# 56401 PIKO SmartDecoder 4.1 PluX22 multiprotocol with mfx capability  
# 56433 PIKO SmartDecoder 4.1 Sound PluX22 with loudspeaker

- Completely new construction
- Many separately attached details
- Engine room lighting
- Excellent driving characteristics due to a strong 5-pole motor with two flywheels
- Digitally switchable driver's cabin light
- AC version with mfx-capable PluX22 decoder
- Excellent price performance ratio

### INFO

The newly constructed PIKO Expert model of the SU46-039 diesel loco of the PKP convinces with an exact implementation of the striking body form with beads, free-standing mirrors, horns, fine fan grilles on the roof, attached roof walkways, oil filters, pilots and finely designed driver's cabins. The PIKO locomotives also have attached windscreen wipers and door handles, separate heating sockets and ladders.

The deeply engraved bogies have lovingly designed details with the dampers, speedometer drive, brake cylinder and Indusi magnets. The roof convinces with extra attached hatches, handles, chimneys, fans and of course a matching antenna. The standard driver's cab lighting and the direction-dependent tail lights can be digitally switched with a PluX22 decoder.

The five-pole motor with two flywheels ensures excellent driving characteristics. The heavy model offers high tractive forces and has a digital interface PluX22 and is prepared for an easy upgrade with sound and a large loudspeaker. Imitation tow hooks and brake hoses are included.

## PIKO sound locomotive SU46 of the PKP



52862 Sound diesel locomotive SU46 PKP IV  
52863 ~ Sound diesel locomotive SU46 PKP IV

Additionally for all Class SU46 sound locomotives:



The sound diesel locomotive SU46 of the PKP (#52862/#52863) matches the construction of the locomotive #52860 and shines with numerous separately attached parts as well as many technical highlights.

The sound locomotives are factory equipped with an innovative PIKO SmartDecoder 4.1 Sound PluX22. The new PIKO SmartDecoders 4.1 represent the state of the art in model railway technology and promise a wide range of possibilities for the digital control of model railway vehicles. In addition to the problem-free registration at suitable control centres via RailComPlus®, such as our PIKO SmartBox® central stations, or at mfx-capable control devices, new individual settings in mapping and sound experiences at the highest level are now possible thanks to an amplified output power of 2.5 watts.

The built-in speaker is specially tuned to the SU46 and allows a powerful and realistic reproduction of the 12bit sound. Many typical locomotive sounds such as engine noise, signal horns, brake squeal and other switchable functions can be retrieved individually.