



Swiss Federal Railway Eb 3/5

In 1910, the Swiss Federal Railways had a need for a powerful tank-locomotive. Either for the suburban shuttle service trains or as an assisting locomotive on short, but steep grades. The design of the well known superheated B 3/4 locomotive was changed by replacing a separate tender for a coal bunker and water tank on the main frame supported by a carrying axle. Thirty-four locomotives were built in 1911 and maintained in service for number of years.

Specifications

Dimensions:

Length: 400 mm

Width: 100 mm

Height: 137 mm

Driving Wheels: Diameter 48 mm, made of stainless steel

Pilot/Trailer Wheels: Diameter 27 mm, made of stainless steel

Cylinders: 2 Cylinders, Bore 11 mm x Stroke 18 mm

Valve Gears: Walschaert's with reverser lever Slide Valve

Boiler Type: Smithies type with one water tube

Capacity: 160 cc of water

Fittings: 2 x Safety Valves, Regulator Valve, Blower Valve, Water Check Valve, Water Gauge, Pressure Gauge

Lubricator: Roscoe Displacement Type

Fuel Tank Capacity: 60 cc of methylated (denatured) Alcohol

Burner: 3 Wick Tube Alcohol Burner



