



DB Br 01

The Class 01 2'C1 (4-6-2) express locomotives were the first standard design locomotives built for the German Federal Railway (Deutsche Reichsbahn changed to Deutsche Bundesbahn in 1951). Before the Federal Railway (Reichsbahn) was established in 1924, there had been eight railways in Germany; Preussen, Bayern, Sachsen, Wuerttemberg, Baden, Hessen, Mecklenburg and Oldenburg. However, the locomotives of each railway had no common specifications. After unification of the railways took place, the locomotive engineers undertook a study to determine on a standardization of the numerous different types of 'Pacific' locomotives, and the result was the Br01 - Br is the German abbreviation for Baureihe - locomotive class.

A total of 321 of the Br0-1 series were manufactured between 1924 and 1938. Aster has chosen as its prototype an example of the most popular version locomotive, 001 173-4 (formerly 01 173) as fitted with Witte-type smoke deflectors.

Specifications

Scale/Gauge: 1.32, No. 1 (45 mm) gauge

Net Weight: 6.1 kg (Engine 4.5 kg + Tender 1.6 kg)

Dimensions:

Length: 776 mm (Engine 503 mm + Tender 173 mm)

Width: 104 mm

Height: 143 mm

Wheel Arrangement: 4-6-2 (2' C1') Pacific

Drivers: 62 mm diameter

Pilot: 32.2 mm diameter

Trailing truck: 39 mm diameter

Cylinders: 2 cylinders (Bore 13 mm x Stroke 20 mm)

Valve Gear: Walschaerts with a screw reverser, slide valve

Boiler Type: Smithie's tpe with 2 water tubes

Boiler Capacity: 350 cc of water

Boiler Fittings: 2 x Safety Valves, Regulator Valve, Blower Valve, Check Valve, Water Gauge, Pressure Gauge, and Whistle under the barrel.

Lubricator: Roscoe Displacement Type

Tender Fuel Tank: Alcohol Capacity 170 cc

Tender Water Tank: Water Capacity 500 cc with an auxiliary pump (Pump cylinder bore 10 mm x Ram Stroke 16 mm)

Burner: Alcohol 3 wick tube burner

