



JNR D51 No. 327

D51s were one of the most popular steam locomotives in Japan. They served all over Japan from Hokkaido to Kyushu both as freight and passenger locomotives. A total of 1,115 D51 class locomotives were constructed. First built in 1936, the D51s were categorized into three groups: the original type having its heater, steam dome and sand box encased in one stream lined dome; the standard type having its heater relocated to the front of the smoke stack for ease of maintenance; and the war period type. Aster Model is D51 327, which was one of the standard types used in the northern part of Japan.

Specifications

Scale/Gauge: 1/30, 45 mm (back to back 40 mm)

Weight: 6.9 kg (Engine 5.0 kg + Tender 1.9 kg)

Dimensions:

Length: 691.5 mm

Width: 102 mm

Height: 135.5. mm

Wheel Arrangement: 2-8-2 (141) Mikado. All wheels sprung and equalized

Driving Wheels: Diameter 45.5 mm Box-Pok type, made of stainless steel

Cylinders: 2 Cylinders (Bore 13 mm x Stroke 22 mm) made of phosphor bronze

Valve Gears: Walschaerts with screw reverser

Boiler Type: Locomotive Type (1 x center fire tube, 3 x small fire tubes and 6 x water tubes)

Fittings: 2 x Safety Valves, Regulator (Throttle), Blower Valve, Pressure Gauge, Water Gauge, Blowdown Valve, Water Check Valve, Whistle Valve, and Super Heater

Capacity: 300 cc of water at 80% full

Pressure: 3.5 kg at normal working level

Tender:

Fuel Tank: Alcohol Tank Capacity 230 cc

Water Tank: Capacity 350 cc of water with feed water hand pump installed

Burner: 3 Wick Tube Alcohol Burner

Lubricator: Roscoe Displacement Type

Feed Water Hand Pump: Bore 10 mm x Ram Stroke 16 mm

Axle Driven Water Pump: Bore 5 mm x Ram Stroke 6 mm

Couplers: Open Jaw Knuckle Couplers mounted.

