



## 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.

