



Japan National Railways

Class 9600 No. 69632

The JNR 9600 was the first class of locomotive to evolve from a Japanese railway equipment procurement policy which required not only larger locomotives than currently used, but also production by a Japanese manufacturer. Unique design features of the Class 9600 were a wider than usual firebox that rested on the main frames rather than fitting between the frames. This allowed for ample generation of steam and offered the ability to convert the wheel gauge to operate on either JNR narrow gauge (3 feet 6 inches) or standard gauge track (4 feet 8.5 inches). Her profile presented a shorter than usual chimney and domes which gave her a sturdy and powerful appearance that was somewhat reminiscent of contemporary German locomotives and the British Stanier Class 8F 2-8-0.

The JNR 9600 earned the affectionate nickname of "Kyuyroku" 96 and no less than 770 were produced during the period between 1918 and 1926. The Class 9600 operated on many lines through Japan, except for those on Shikoku Island. About 250 standard gauge class 9600 locomotives were delivered to occupied China where they operated until the end of the war. After the war, they remained in mainland China and Taiwan. In Taiwan, they were re-identified as the TNR Class DT850. The JNR 9600's remained in service in Japan until 1975 working the branch lines on Hokkaido and Kyushu Islands.

Specifications

Scale/Gauge: 1/30, No. 1 Gauge (45 mm)

Total Weight: 5.1 kg (Engine 3.85 kg + Tender 1.24 kg)

Dimensions:

Length O.C: 533 mm (Engine 351 mm + Tender 159 mm)

Width: Engine 98 mm, Tender 82 mm

Height: Engine 131 mm, Tender 109 mm

Wheel Arrangement: 2-8-0 Consolidation

Driving Wheels: 41 mm

Pilot Truck Wheels: 28 mm

Tender Wheels: 28 mm

Engine Cylinders: 2 Cylinders, Bore 12 mm x Stroke 20 mm, Slide Valve Travel 5.4 mm, Working Drain Valve Fitted

Engine: Steam Port, 1.5 mm, Cut-Off 80%

Valve Gears: Walschaert

Boiler:

Type: Mixed with Two Flue Tubes

Boiler Pressure: 3.5 kg/cm

Water Capacity: 230 cc at 70% full

Fittings: 2 x Safety Valves, Pressure Gauge, Water Gauge, Regulator & Blower Valves, and Whistle Valve

Axle Driven Pump: Pump Rom 5 mm x Stroke 6 mm

Lubricator: Roscoe Displacement Type Located Under the Left Side Running Board.

Working Whistle: Located Under the Boiler

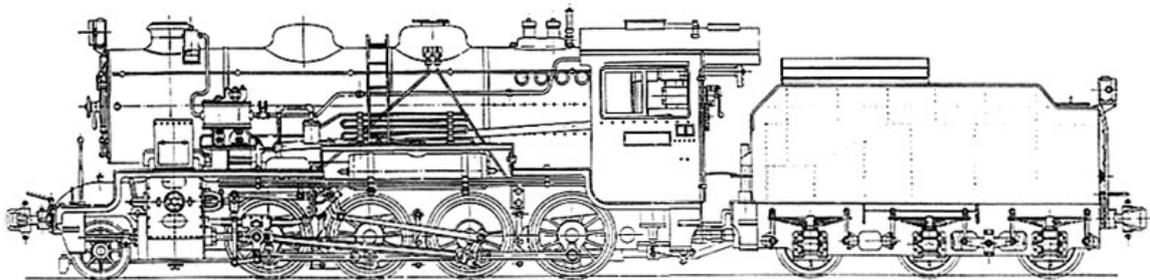
Tender Water Tank: Capacity 200 cc

Alcohol Tank: Capacity 100 cc

Fuel: Methylated Alcohol

Minimum Radius: 2 meter

Coupler: Open Jay Knuckle Coupler





JNR 9600 No. 79618 Hokkaido Version (Full Detailed)