



Japan National Railways C11

These 2-6-4T engines were first built in 1935; following the design of the first Japanese-built tank engines of the C10 class. This construction program was expedited because the engines imported during the Meiji Period (1868 to 1912) from Great Britain, Germany and the United States were old and because suburban traffic in big cities was increasing. A total of 381 were built from 1936 to 1947. They worked all over Japan until 1975. They hauled heavy suburban traffic, worked as both local passenger and freight tank engines, and also served as yard switchers. The C11s were so successful that they became the base of the C12 class of engines. The improved and somewhat smaller versions of the C11s that were built in 1937 were known as 'Little Stars'. The 2-6-4T wheel arrangement increased coal storage and water capacity.

Specifications

Scale/Gauge; 1/30, Gauge One (45 mm)

Total Weight: 4.5 kg.

Dimensions:

Length: 436 mm

Width: 99 mm

Height: 133.5 mm

Wheel Arrangement: 2-6-4T (1C2 Adriatic)

Driving Wheels: Dia. 50 mm

Engine:

Cylinders: 2 x cylinders with cross port

Bore: 12 mm x Stroke 20 mm

Valve Gear: Walschaert

Boiler Type: Smithies Type for Alcohol Burning

Water Capacity: 180 cc at 80% full

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

Lubricator: Roscoe Displacement Type Mounted Under the Front Deck Burner

Pump: Hand Pump Fitted, Pump Ram 8 mm x Stroke 12 mm

Minimum Radius: 3 m

Coupler: Open Jaw Knuckle Coupler

