

USRA Heavy Mikado



subject to change without notice(写真は試作品に付け予告なく変更される場合があります)

— Technical Specifications —

縮尺・ゲージ	Gauge	1:32 Gauge One (45 mm)
車輪配列	Wheel Arrangement	2-8-2
重量	Weight	7.7 kg (Engine 5.7 kg + Tender 2 kg)
全長	Length	774 mm (Engine 458 mm + Tender 304 mm)
全高	Height	164.8 mm
全幅	Width	102 mm
シリンダー	Cylinders	Two cylinders with D Slide Valve Bore 13 mm X Stroke 20 mm
動輪径	Main Driving Wheel	Dia 50 mm(cast iron with full equalized)
先従輪径	Pilot / Trailing Truck Wheel	Dia 26 mm / 34 mm
弁装置	Valve Gear	Walschaert's
給油器	Lubricator	Valve Travel 6 mm, Cut-Off 75 %
軸動ポンプ	Axle Driven Pump	Bore 6 mm X Stroke 5 mm

最小回転半径	Boiler
ボイラー装備	Boiler Fittings

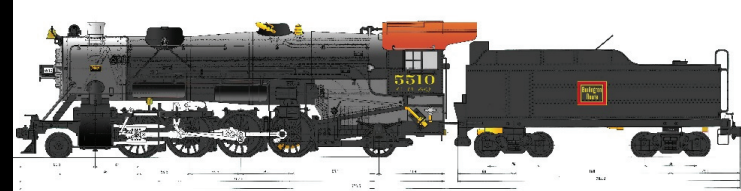
缶水容量	Boiler Capacity
常用圧力	Normal Working Pressure
バーナー	Burner
燃料容量	Tender Fuel Capacity
炭水容量	Tender Water Tank Capacity
ハンドポンプ	Tender Hand Water Pump

炭水車輪径	Tender Truck Wheels
最小回転半径	Min Dia.

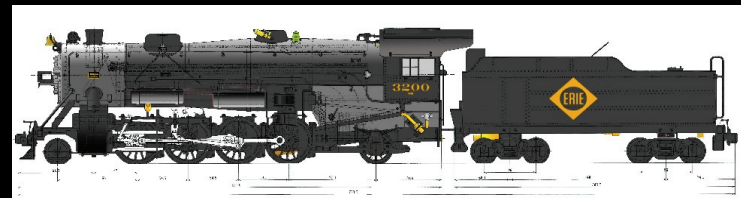
B-Type
2 x safety valves, water gauge, pressure pressure gauge,throttle and blower valves,by-pass valve, blow-down valve, 400 cc at 70% Full
3-4KG/CM2
Glass Fiber Wick Tubes Alcohol Burner
Capacity 200 cc
500cc
Bore 11 mm X Stroke 12 mm with Kingston valve
Dia 26 mm
2m



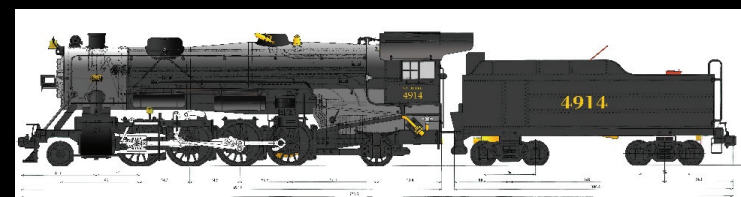
Great Northern Railway



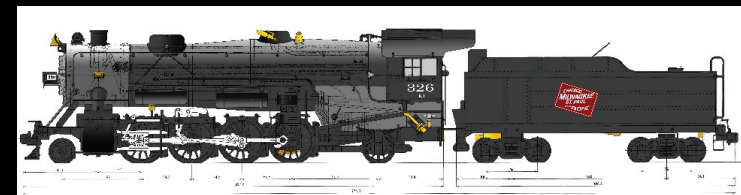
CB&Q Railroad (Burlington Route)



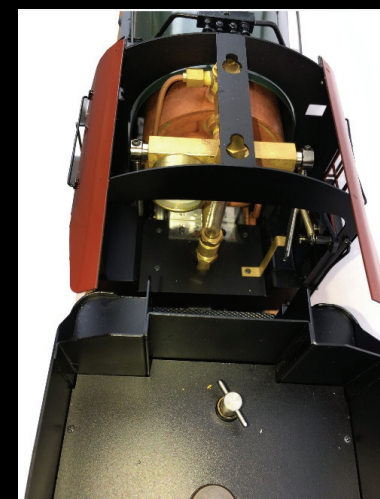
Erie Railroad



Southern Railway



Milwaukee Road



Featuring removable cab roof, lift off alcohol tank, blowdown valve, and more

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On January 1, 1918, control of the U.S. railroads was taken over by the United States Railway Administration (USRA). The USRA employed top locomotive designers from several locomotive manufacturers and railroads to develop a standard line of locomotives of various sizes, which would share certain basic parts to reduce production, maintenance and operating costs. Eventually, 12 standard designs were settled on. These designs included wheel arrangements from 0-6-0 to 2-8-8-2. Three sizes of tenders were developed with 8,000, 10,000, & 12,000 gallon capacities. Some locomotives were developed in both light and heavy versions. While the heavy Mikados ran on about 23 railroads, the light version was used by over 50 different railroads in both freight & passenger service. The first, for the Baltimore & Ohio Railroad, was completed in July 1918, numbered #4500. The light Mikados had 63 inch drivers, 26x30 inch cylinders, carried 200 lbs/sq inch in boiler pressure and weight 290,800 lbs. They developed a tractive effort of 54,600 lbs and originally cost \$53,600. These locomotives were produced by several other builders included ALCO, Lima & Baldwin. A total of 625 light Mikados were build under the USRA, with a further 641 copies built after the end of the USRA's control. The Heavy Mikados had 63 inch drivers, 27x32 inch cylinders, carried 200 lbs/sq inch in boiler pressure, and carried a tractive effort of 60,000 lbs. These locomotives were produced by several builders including ALCO, Lima & Baldwin. A total of 233 Heavy Mikados were build under the USRA. Post World War I, it became the de facto standard design, with an additional 724 copies produced. Aster and Accucraft are proud to present the USRA Heavy Mikado in the following railroads: Erie Railroad, CB&Q, Milwaukee Road, Southern Railway, and Great Northern Railway.