

UNION PACIFIC Big Boy No. 4014



BUILDING AMERICA®



Big Boy No. 4014 is the world's largest operating steam locomotive. Of the eight remaining Big Boys in existence today, No. 4014 is the only one still in operation.

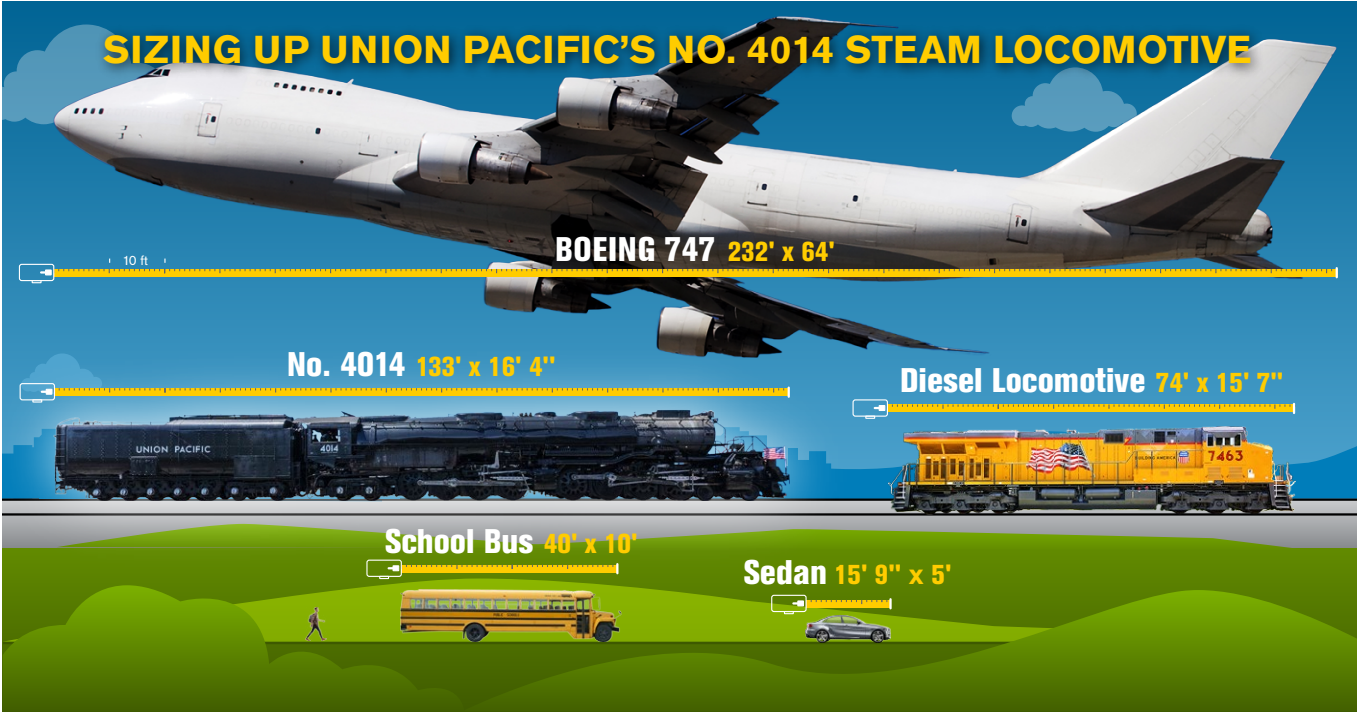
Twenty-five Big Boys were commissioned exclusively for Union Pacific Railroad, the first of which was delivered in 1941. These massive locomotives were built to haul heavy equipment in support of the war effort, normally operating between Ogden, Utah, and Cheyenne, Wyoming. The Big Boys are 133 feet long and weigh 1.2 million pounds.

Due to their great length, the frames of the Big Boys are "hinged," or articulated, to allow them to negotiate curves. They have a 4-8-8-4 wheel arrangement, which means they have four wheels on the leading set of "pilot" wheels to guide the engine; eight drivers on the first engine; another set of eight drivers on the second engine; and four wheels trailing that support the rear of the locomotive.

No. 4014 was delivered to Union Pacific in December 1941 and retired in Dec. 1961 after traveling 1,031,205 miles. Union Pacific reacquired it from the RailGiants Train Museum in Pomona, California, in 2013 and transported the locomotive to Cheyenne, Wyoming, for restoration, which was completed in 2019 to celebrate the 150th anniversary of the transcontinental railroad's completion.

The seven other remaining Big Boys are on public display in St. Louis, Missouri; Dallas, Texas; Omaha, Nebraska; Denver, Colorado; Scranton, Pennsylvania; Green Bay, Wisconsin; and Cheyenne, Wyoming.

For more information on steam locomotives, visit www.upsteam.com.



UNION PACIFIC LOCOMOTIVE NO. 4014 SPECIFICATIONS

DRIVING WHEEL DIAMETER		CYLINDER		WHEEL BASE		WEIGHT IN WORKING ORDER (LBS.)		EVAPORATING SURFACES (SQ. FT.)		
68"		DIAMETER	23¾"	DRIVING	18' 3" x 2	LEADING	97,000	TUBES	967	
		STROKE	32"	ENGINE	72' 5½"	DRIVING	540,000	FLUES	4,218	
TUBES		BOILER		ENGINE-TENDER	132' 9⅞"	TRAILING	125,000	FIREBOX	593	
NUMBER	DIAMETER	OUTSIDE DIAMETER	106 ⅞"	SUPERHEATING SURFACE (SQ. FT.)		ENGINE	762,000	CIRCULATORS	111	
75	2¼"	PRESSURE	300 lbs.			TENDER (LOADED)	427,500	TOTAL	5,889	
184	4"	WATER CAPACITY		2,466		FIREBOX		FACTOR OF ADHESION		
LENGTH	22'	25,000 gallons		MAXIMUM TRACTIVE POWER		LENGTH	235⅓"	4.00		
LENGTH		GRATE AREA		135,375 lbs.		WIDTH	96⅜"	ENGINE AND TENDER WEIGHT		
GAUGE OF TRACK		150				TENDER TYPE		1.2 million lbs.		
4' 8½"						14-wheeled				