



The Mini-Express Specifications Sheet

Locomotive:

Width	Length	Height	Weight
34.3 in	111 1/2 in	70.5 in	1500 lbs
87 cm	283 cm	179 cm	680.4 kg

Battery pack : 8 Lead-Acid, Trojan T-105, 225 Ah @ 20 hrs. 25A output

Charger : 120V, 60Hz, 15A for the Americas
230V, 50Hz 5.7A for others (the correct charger will be onboard)

Autonomy : (Based on 50% Usage ratio): 20 hrs indoor; 15 hrs outdoor

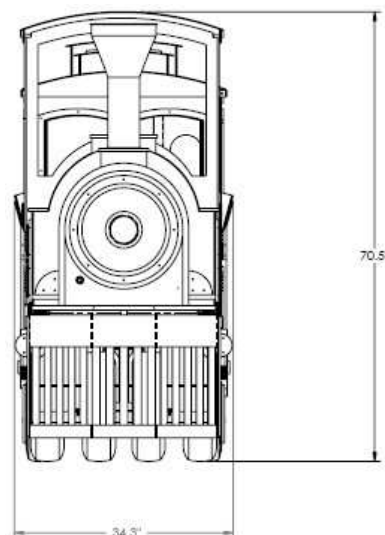
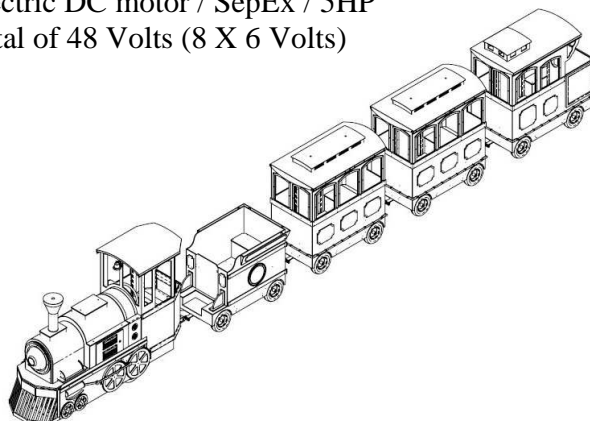
Recharge : 8 to 10 hours

Max Speed : 3.8 mph (6.1 km/h)

Tires : 4.80 – 8, Inflate front tires at 55 PSI (3.87 kg/cm²)
Inflate rear tires at 75 PSI (5.27 kg/cm²)

Traction : Electric DC motor / SepEx / 5HP

Voltage : Total of 48 Volts (8 X 6 Volts)



Wagons:

Width: 32 1/2 in (82.6 cm)

Weight: Total of all 4 wagons: 1,035 lbs (470 kg)

Length (Body): Passenger: 54 1/2 in (1.38 m); Coal: 44 in (1.12 m);
Caboose: 60 in (1.52 m).

Tires: 4.10 – 6 N H S, 55 PSI (3.87 kg/cm²).

Max load: 450 lb (204 kg) / 1 wagon, 1800 lb (726 kg) / Total 4 wagons

Overall:

Length: 410 in (10.414 m) (Loco + coal car + 2 passenger wagons + caboose)

Weight: 2535 lbs – 1150 kg (Loco + coal car + 2 passenger wagons + caboose)

Capacity: Approximately 24 small children or approximately 18 adults and children

Grade: Max 7% (loaded) or 4 degrees.

U-Turn: U-turn capability: 18 ft (5.5 m), wall to wall

