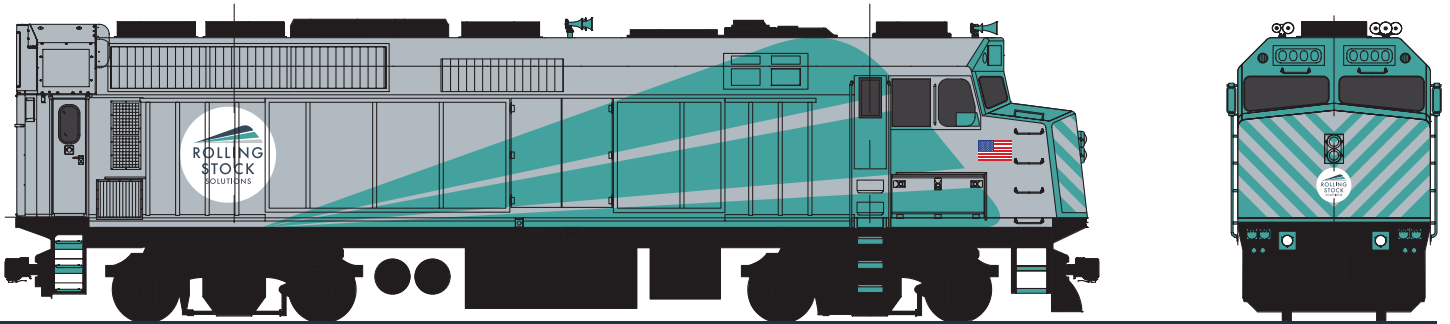


LIKE-NEW F40PH MODELS, LOADED WITH ADVANCED TECHNOLOGIES.



REMANUFACTURED F40 SPECIFICATION

F40PH Emission Improvements

Combined use of the remanufactured Tier 0+ prime mover and an independent Tier 4 HEP will provide a reduction in emissions and performance improvements when compared to the original F40PH "Screamer" Specification. At a minimum it will provide:

- 45% reduction in NOx emissions.
- 37% reduction in hydrocarbon emissions.
- 37% reduction in PM10 emissions.
- Up to 10% increased fuel efficiency obtained by the use of Electronic Fuel Injection and the Automatic Engine Start/Stop System.
- Increased horsepower for prime mover as a result of the independent HEP.

Design

- Remanufactured F40PH Locomotives designed to meet 49 CFR Part 229.
- 20 year Lifecycle from build date.
- New Cab compliant with 49 CFR Part 229 Subpart D and AAR S 580.
- Full advanced microprocessor controls utilizing WABTEC QES III and FastBrake systems.
- "Buy America" compliant.
- Gauging meets North East Corridor clearance requirements including 3rd rail clearances.
- Limp Home capabilities.
- Tier 4 Genset for Head End Power. No Diesel Exhaust Fluid (DEF) required to obtain Tier 4 rating.
- Wi-Tronix LDVRHD and Remote Monitoring Kit including 360° Cab Interior Camera, Narrow forward facing Camera, Cab Interior & Exterior Microphones.

Vehicle Data

Locomotive Designation	F40PH-4C
Commissioning	2023-2024
Locomotive Type	Diesel-Electric
Engine Type and Tier	Remanufactured EMD 645E3B with EPA Rating Tier 0+
Engine Horsepower	3000HP
Independent HEP Unit	Perkins Model 2086J-E18TTA, Rated EPA Tier 4
HEP unit power output	500Kw, Stationary, 485KW Continuous
HEP unit Voltage and Frequency	227/480 Volt, 3 Phase, 60 Hz
Control System	WABTEC QES-III with AES5
Traction Motor Model	D77
Brake System	WABTEC FastBrake System
PTC	PTC Ready – Integration Service Available
Top Speed	100mph
Weight (Serviced)	284,000lbs
Length	56 ft 2 In
Width	10 ft 7 in
Height	15 ft 7.5 in

Maintenance Improvements

- 5 year Level 2 and 3 Air brake maintenance as per 49 CFR Part 229.29 (f) (3).
- 184 Day Maintenance as per 49 CFR Part 229.23 (b).

Cab Signal & PTC

- Brackets, conduits, cabinets, and conduit installed to enable the easy installation of PTC/ATC systems.