

SD 40-3 *Rebuilt Freight Locomotive*



The power of MPI

Rebuild,
Repower, Upgrade and
Modernize



Solutions in Motion

SD 40-3

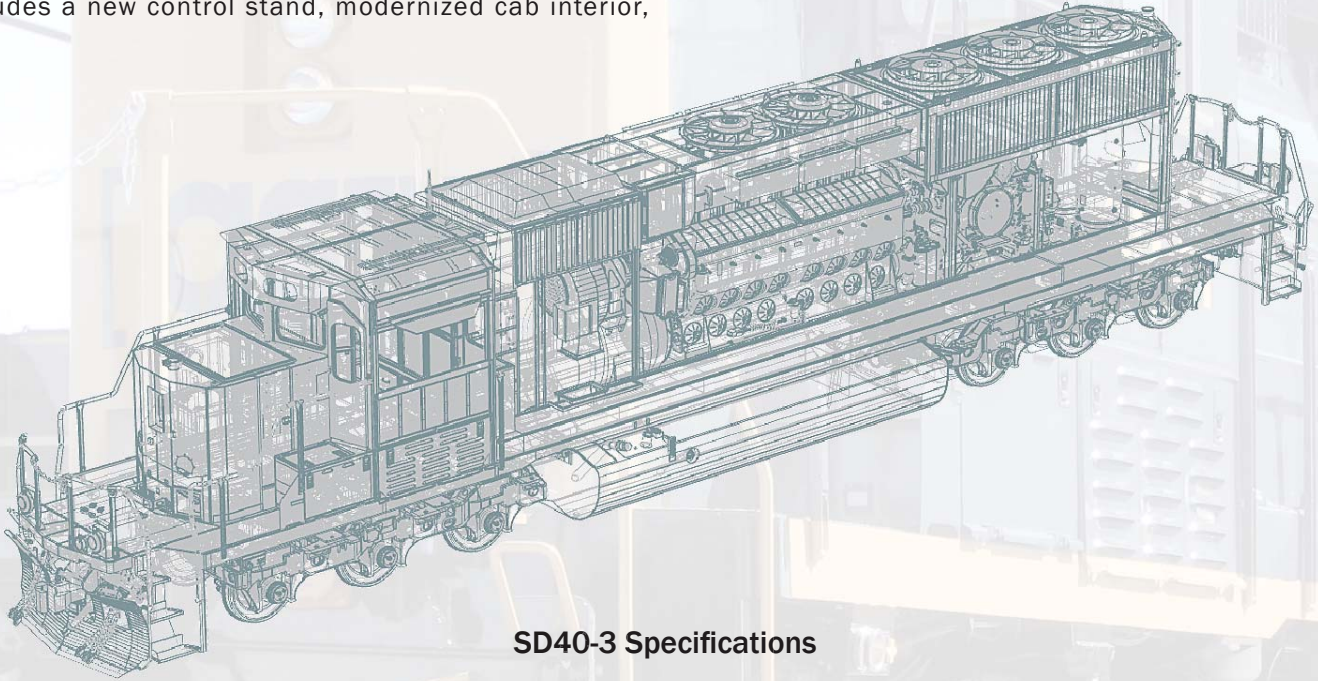
Rebuilt Freight Locomotive

MotivePower Inc. (MPI), a Wabtec company, specializes in reworking older SD locomotives into like-new condition complete with new material and workmanship warranty.

New cabs are applied with Wabtec's Fastbrake Electronic Air Brake System, Positive Train Control (PTC) and QES-III Microprocessor Control System for optimal adhesion control and performance. The upgrade also includes a new control stand, modernized cab interior,

new High Voltage Cabinet (HVC) and AC cabinet. Value added options are available for Electronic Fuel Injection (EFI) and MotivePower's Central Diagnostic System (CDS).

With a proven track record and technical capability, MPI works closely with our customers to provide long-term solutions that achieve the highest levels of safety, performance, operating efficiency and reliability.



SD40-3 Specifications

Model	SD40-3
Power *	3,000 hp (Gross) 2,800 hp (Traction)
Tractive Effort **	120,000 Lbs. Starting 84,000 Lbs. Continuous @ 11 MPH
Rail Gauge	US Standard
Mass	400,000 lbs
Axle Load	66,667 lbs
Maximum Speed	68 mph
Power Per Driving Axle	534 kW
Gear Ratio	62:15
Wheel Diameter	40"
Fuel Capacity	4,000 gallons
Fuel Monitor	WGS - Fuel Monitor
Dimensions	
Length Over Couplers	68' 10"
Height Over Rail Level	15' 7-1/2"
Width	10' 0"
Bolster Centers	43' 6"
Truck Wheelbase	13' 7"
Curve (Single Unit)	193 Feet (30 Degrees)
Engine *	WGS - Rebuilt, 16-645E3C, T0+
Main Generator	Rebuilt AR10/CA5

Model	SD40-3
Trucks	WGS - Rebuilt, Flexicoil HT-C, 3-Axle
Traction Motors	Swiger - Rebuilt EMD D78 Motors
Air Compressor	Triangle - Rebuilt WLNA9S, Water Cooled
Brakes—Air	WRE - FastBrake®
Brakes—Dynamic	DB Grid System, Extended Range
Cooling System	3 x 48" AC Powered Cooling Fans
New Modules	New Crashworthy Cab New HVC New AC Cabinet
Driver's Controls	New AAR Control Stand w/ CDU and PTC Screens and Desk
Control System	QES-III w/ Auto Engine Start Stop
Positive Train Control	WRE - Positive Train Control
Toilet	Microphor - RC920
Options	
<ul style="list-style-type: none"> • Mother / Slug Capability • Electronic Fuel Injection • EPA T2+ Level Emissions 	<ul style="list-style-type: none"> • MPI - Central Diagnostics System (CDS), GPS Tracking and Diagnostics

* - Depending on original engine condition

** - Assumes AAR Conditions, Dry Rail, New Wheels