

EMD20B [RE]powered Locomotive

The EMD20B is an EMD GP-style locomotive powered with a Cat® 3512C HD engine and Kato alternator. Designed with flexibility in mind, this unit allows customers to choose options without extensive engineering. The EMD20B utilizes rebuilt GP-style trucks with rebuilt D78 traction motors and has been constructed with a new crashworthy underframe, cab and fuel tank.

[RE] use
new
manufacture
invest
cycle



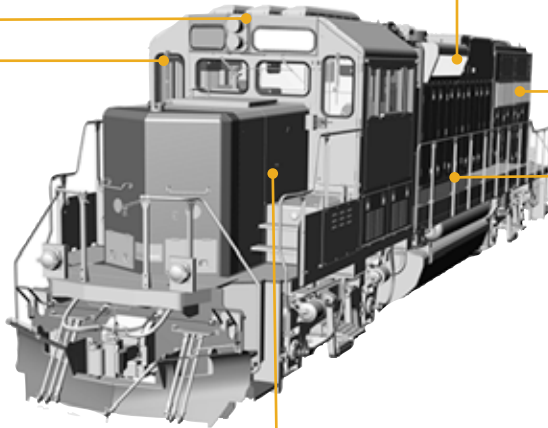
- ▶ Reliable and fuel efficient Cat® 3512C HD 2000 HP engine
- ▶ New HVC with Zeit SAL V locomotive control system
- ▶ New Atlas Copco rotary screw air compressor
- ▶ New Progress Rail PowerView event recorder with LDVR
- ▶ Control system EM2000 including AESS Intellitrain optional
- ▶ Offered with a 2-year warranty for new content

Locomotive Model	Cat® Powered GP
Engine Model	Cat® 3512C HD
Brake Horsepower	2,100
No. of Cylinders	12
Low Idle Speed RPM	600
Full Speed RPM	1,800
Exhaust Aftertreatment Type	SCR and DPF
Emissions Certification	US EPA Tier 3 and Tier 4 Switch
Radiators	Mech. Bonded
Traction Alternator	Kato – 1,530 kW
Companion Alternator	Kato – 250 kW
Air Compressor	Atlas Copco GAR 37

Progress Rail
A Caterpillar Company

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- Zeit SAL V Control System will provide increased adhesion over the conventional dash 2 control system
- Filter change Intervals are increased from 92 days to 184 or 368 days
- Equipped with electric operated Handbrake. Set and release signals are provided to the control system for increased AESS shutdown when the handbrake is set



- Can be equipped with extended range dynamic braking and self-load capability
- Isolation-mounted engine for reduced noise and vibration as well as improved ride quality
- Anti-Freeze Protection is provided in the new cooling system and increases AESS shutdown TIME
- Can be configured for Tier 4 and Tier 3 emissions by changing the aftertreatment device only with no structural changes

Cat® 3512C HD Engine

- ▶ Caterpillar has produced over 170,000 of its 3500 series engines since 1980
- ▶ A decrease in fuel consumption of up to 15% from a typical GP38-2
- ▶ Oil Change interval can be extended to 368 days from 184 days with proper oil sampling
- ▶ Fully integrated engine and aftertreatment protection by Zeit SALV control system and the engine ECM
- ▶ Demonstrated engine system reliability (includes engine and aftertreatment)
- ▶ Supported by Progress Rail and your local Cat® Dealer

