

PR20B [RE]powered Locomotive

The PR20B is an EMD GP style locomotive powered with a Cat® 3512C HD Engine and Kato Alternator. It was designed with flexibility in mind, allowing customers to choose options without extensive Engineering. It is constructed with a New Crashworthy Underframe, Cab and Fuel Tank and utilizes rebuilt GP style trucks with rebuilt D78 Traction Motors.



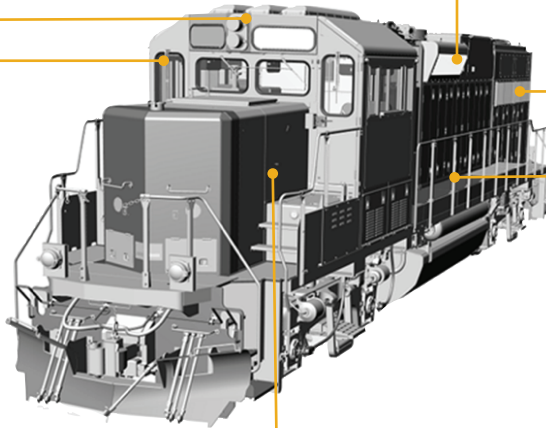
- ▶ Reliable and fuel efficient Cat® 3512C HD 2000 HP Engine
- ▶ New HVC with Zeit SAL V Locomotive Control System
- ▶ Offered with a 2-year warranty for new content
- ▶ New Atlas Copco Rotary Screw Air Compressor
- ▶ New PRS Crashworthy Event Recorder with LDVR
- ▶ Control system EM2000 including AESS Intellitrain optional

Locomotive Model	Cat® Powered GP
Engine Model	Cat® 3512C HD
Brake Horsepower	2100
No. of Cylinders	12
Low Idle Speed RPM	600
Full Speed	1800
Exhaust Aftertreatment Type	SCR and DPF
Emissions Certification	US EPA Tier 3 and Tier 4* Switch
Radiators	Mech. Bonded
Traction Alternator	Kato – 1530 kW
Companion Alternator*	Kato – 250kW
Air Compressor	Atlas Copco GAR 37

* Available 1Q 2017

PR20B [RE]powered Locomotive

- Zeit SALV 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.

* Available 1Q 2017

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.

