WDG5-5500HP GOODS LOCOMOTIVE

Board gauge goods traffic Co-Co diesel electric locomotive equipped with 20 cylinder 5500 hp engine with TGBT based traction control system.

This is a new generation high horse power locomotive provided with a variety of new and innovative features. The engine fitted with electronic fuel injection systems generates a 5500 hp while maintaining excellent fuel efficiency. The Traction converters and switch gears are housed in a single electrical cabinet called E-locker. Other features include air start, auxiliary power converter and inverter driven radiator blower & traction blower motors.

For the safety and comfort of the crew , EN12667 compliant collision protection cab with improved visibility has been provided. The cab also features service proven TFT FIRE display screens, roof mounted air-conditioning, heating and toilet.

Diesel Engine

- 20 Cylinder 20-710G3B-ES, 2 Strock, turbocharged - after cooled
- Fuel Efficient Engine
- Injection System - Electronic Unit with Injection
- Compression Ratio - 16: 1
- Lube Oil Sump Capacity - 1596 Ltrs
- Governor - EMDEC

Brakes

- CCB-II IR Electronic Air Brake System (KNORR-NYAB-Computer Controlled Braking)
- Pure Air brake, Unitize Parking Brake, dynamic brake.

Transmission

- Electrical AC-AC
- 6 Traction motor (3 in parallel per bogie)
- Suspension - Axle hung
- Gear Ratio - 91:20

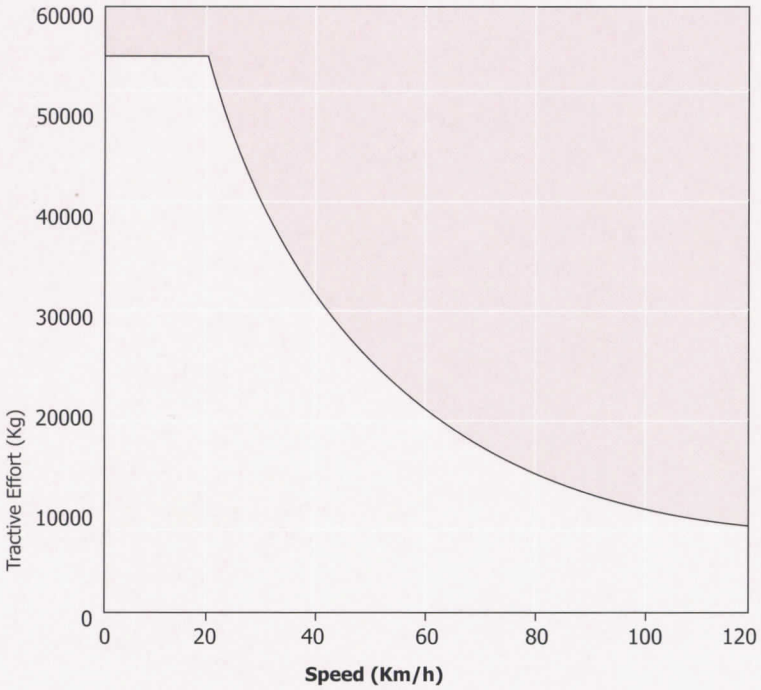
Truck

- High adhesion high tensile steel fabricated truck
- Bogie with TBU arrangement & unitize parking brake.

General Characteristics	
Installed Power	5500 HP
Axle Load	22.3 T
Gauge	1676 mm
Wheel arrangement	Co-Co
Wheel diameter	1092 mm
Height	4381 mm
Width	3170 mm
Overall Length	22260 mm
Weight	133.8 T
Max tractive effort	560 T
Max Dynamic Brake	270 T
Maximum Speed	90 Kmph
Fuel tank capacity	7500 ltrs
Locomotive Control	EM 2000 Traction Control



Tractive Effort Chart



For enquiries contact:
Chief Marketing Manager, Diesel Locomotive Works, Varanasi, INDIA, 221004
Tel:0542-2642502, Fax-0542-2270101, Email:cmgm@dlw.railnet.gov.in
Website: www.dlw.indianrailways.gov.in