



ELECTRO-MOTIVE

F R E I G H T L O C O M O T I V E

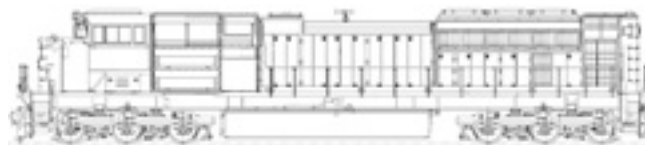
SD80ACe

SD80ACe Benefits

- Features reliable 710 Series engine - 20 cylinder, two stroke, turbocharged
 - Equipped with EPA Tier 1 emissions hardware
 - Operates on B20 (concentrations up to 20% B100 biofuel)
 - Tuned for maximum fuel efficiency
- Operates in extreme weather and warm climates up to 50°C
 - Tropical roof on cabin to minimize heat transfer
 - Engine cooling system supports site conditions
 - Inverter driven accessories for fuel economy
- Provides advanced diagnostics and predictive health capabilities
- Meets AAR Specification S-580 crashworthiness standards
- Sets standards with a 184-day maintenance interval
- Provides 2 for 3 unit replacement
- Offers optional high adhesion package
- Offers optional Intellitrain™ remote monitoring and diagnostic services

EM2000™ Microprocessor Control System

- Excitation and load control
- Adhesion control
- Engine control
- Diagnostic system
- Archived unit history data



SD80ACe Technical Details

Locomotive Traction System	AC Traction
Diesel Engine	20-710G3C-ES
Number of Axles	6
Locomotive Height	4816 mm
Length over Couplers	23,317 mm
Traction Horsepower	3952 kW
Maximum Speed	113 kph
Starting Tractive Effort	850 kN
Dynamic Braking Effort	467 kN
Fuel Capacity (useable)	18,549 liters
Maintenance Interval	184 days
Nominal Weight	196 tonnes
Maximum Axle Load	32.7 tonnes
Track Gauge	1600 mm

OPTIONAL MODEL CONFIGURATIONS

Optional 8-Axle configuration
Track Gauges between 1000 mm - 1676 mm
Maximum Axle Loads between 25.0 - 27.5 tonnes

