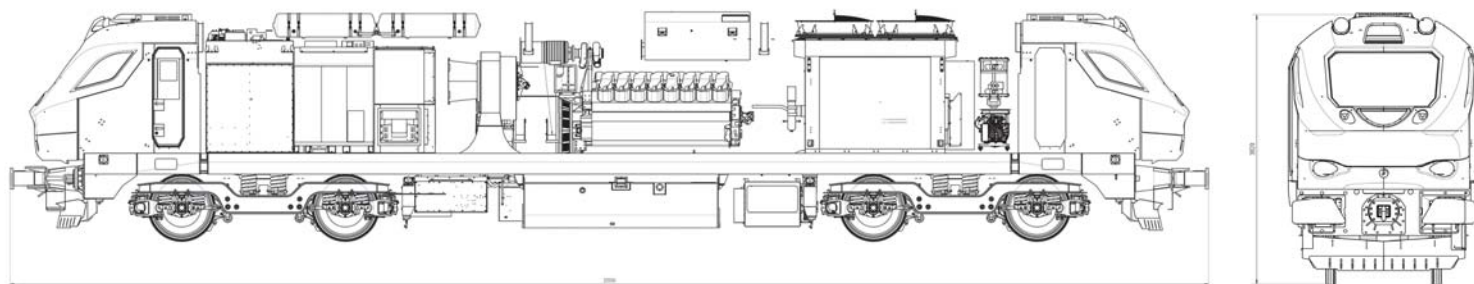




UKLIGHT

Diesel-Electric Locomotive

For passenger and freight applications



GENERAL CHARACTERISTICS

Axle arrangement	Bo'Bo'
Gauge	1,435 mm
Weight	85 tons
Axle load	21'4 tons
Maximum speed	160 km/h (200 km/h optional)
Starting tractive effort	317 kN
Number of cabs	2, air-conditioned
Fuel tank	5,000 l
Multiple unit	Yes (2 units)
HEP Inverter	Up to 500 kW
Noise	TSI CR Noise 01/06-ST05
Exhaust emissions	EU 97/68 Stage IIIA

DIESEL ENGINE

Manufacturer	CAT
Power	2,800 KW
Number of cylinders	16V
Rated speed	1,740 rpm

BRAKE SYSTEM

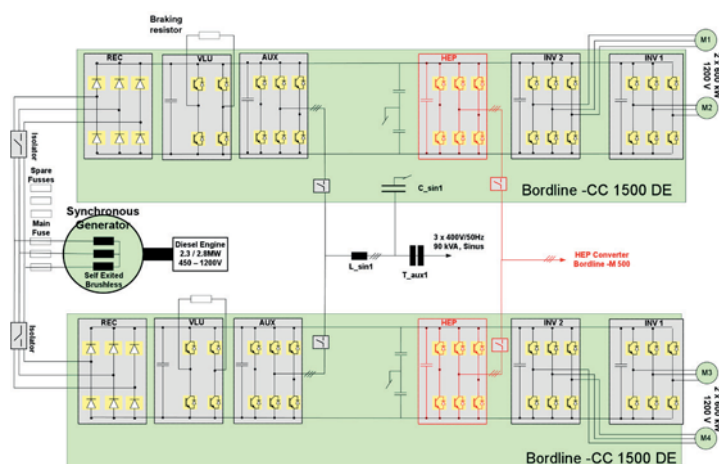
Pneumatic	Computer Control
Dynamic Brake	Yes
Blending Features	Yes
Wheel slide protection	Yes

ELECTRICAL TRANSMISSION

Type	AC/AC
Supplier	ABB
Traction Motors	4 units
Power Train supply	Inverter

BOGIE

Bogie Frame	Fabricated Steel
Wheel	1,100 mm
Suspensions:	-Primary: Coil Springs -Secondary: rubber-metal -Vertical, horizontal dampers
Traction Motor	Frame Mounted
Brake	Disc



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