

DE75 BB

GMEINDER
LOKOMOTIVEN

**Shunting locomotive with electric power
transmission and flexible energy supply
Dual Engine – Hybrid – Traction Battery – Third Rail**



The DE75 BB is a robust shunting locomotive made for heavy-duty shunting service. The electric power transmission, using four independently controlled traction motors, realizes an optimum friction coefficient utilization, and at the same time the use of different energy sources. Due to the symmetric composition of the locomotive, two independent energy sources are installed, e.g. two Diesel Gensets (Dual Engine Locomotive), or one Diesel Genset and a Lithium-Ion Traction Battery (Hybrid Locomotive). Even the energy supply via Third Rail (DC 750 V) or Catenary is possible. Consequently, the symmetric composition of the locomotive is continued with the Power Electronics. Two independent subsystems are the guarantee for highest availability of the locomotive.

Technical data

Length over Buffers	13.000 mm
Width	3.080 mm
Height	4.260 mm
Weight	80 t ±3%
Axle Load	20 t ±3%
Track Gauge	1435 mm
Axle arrangement	Bo' Bo'
Engine Performance	354 kW bzw. 2*354 kW
Power at Wheel	600 kW
Starting Tractive Effort	260 kN
Top Speed	60 km/h (service mode) 100 km/h (trailing mode)
Minimum constant speed	< 1,0 km/h
Construction Gauge	UIC 505-1
Consumables	1900 litres Diesel fuel 500 kg Sand

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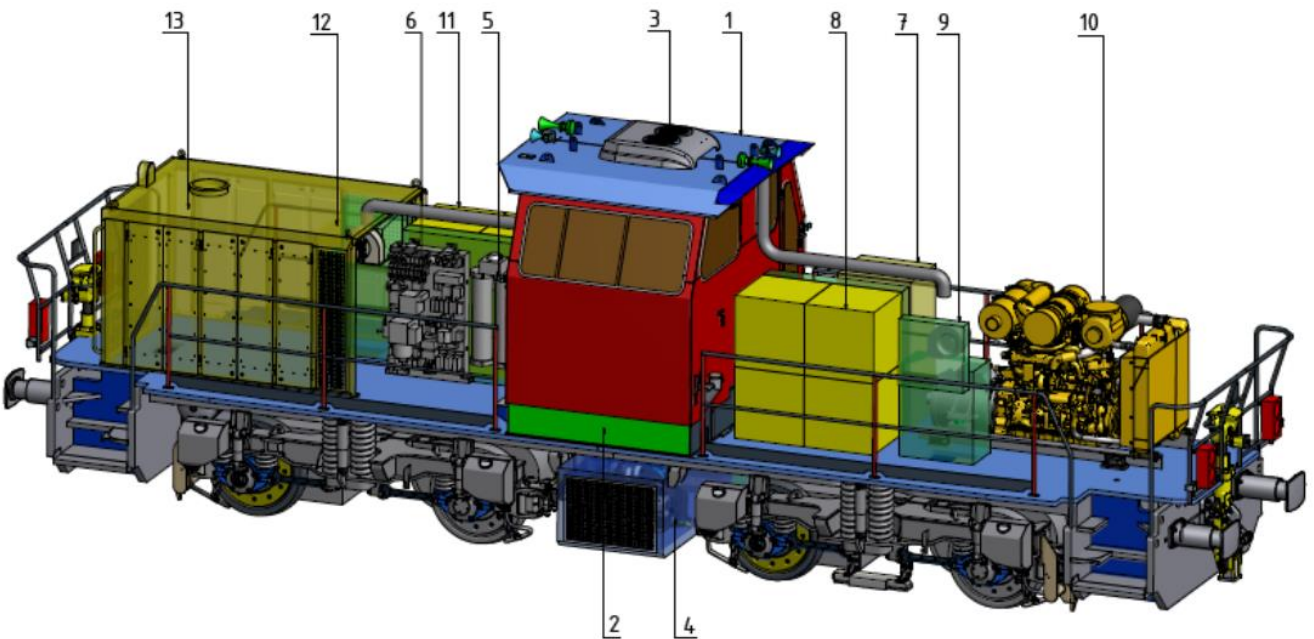
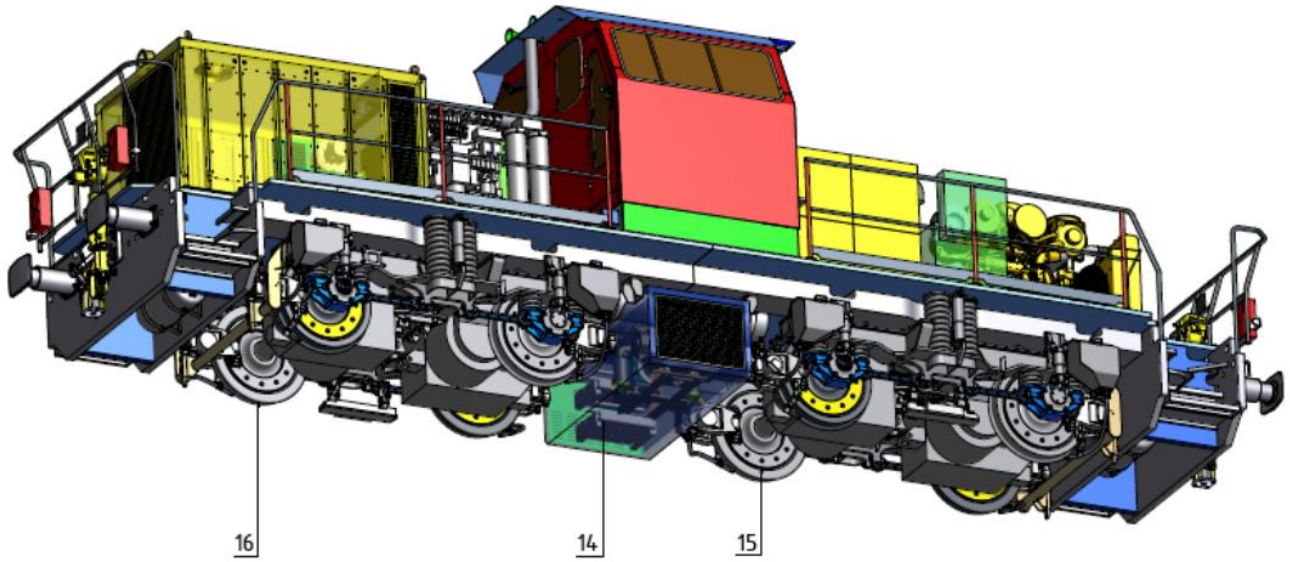
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ZAGRO
Group 



Legende

- 1 Driver's Cabin
- 2 Fuel Tank
- 3 Air Conditioning
- 4 Air Compressor
- 5 Air Dryer
- 6 Brake Control Panel
- 7 Braking Resistor
- 8 Traction Converter no. 1
- 9 Cooling unit no. 1
- 10 Diesel Genset no. 1
- 11 Traction Converter no. 2
- 12 Cooling unit no. 2
- 13 Diesel Genset no. 2 or Traction Battery
- 14 Control Battery Box
- 15 Bogie no. 1
- 16 Bogie no. 2

Traction / Brake Effort Diagram

