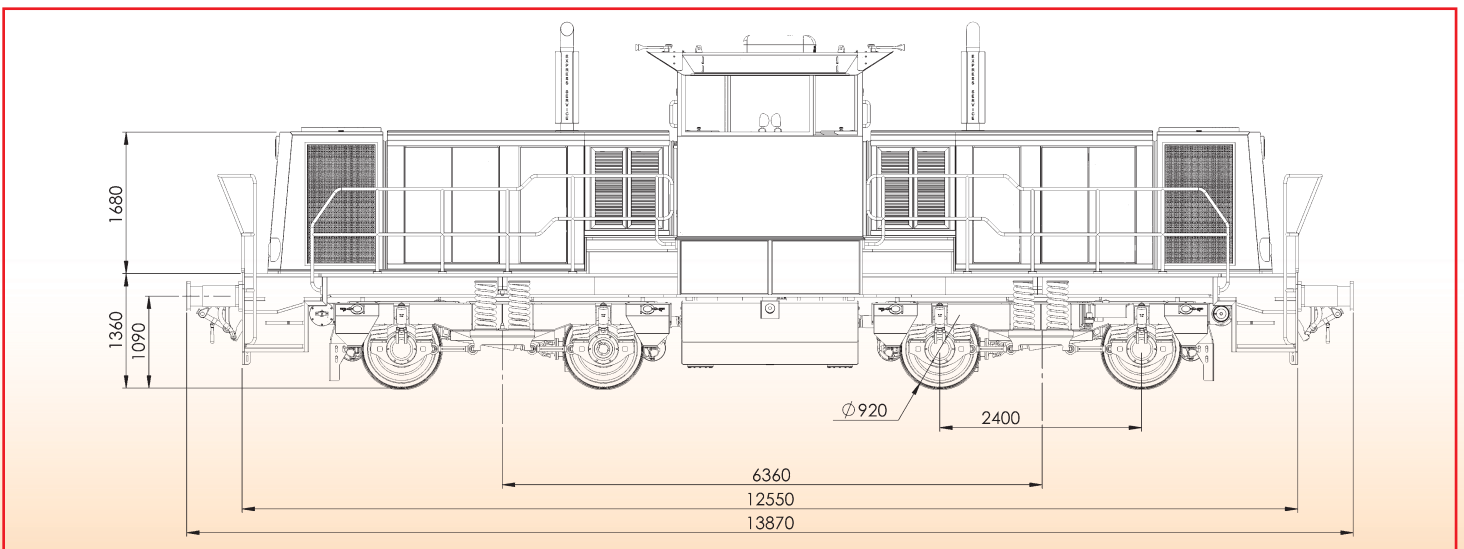
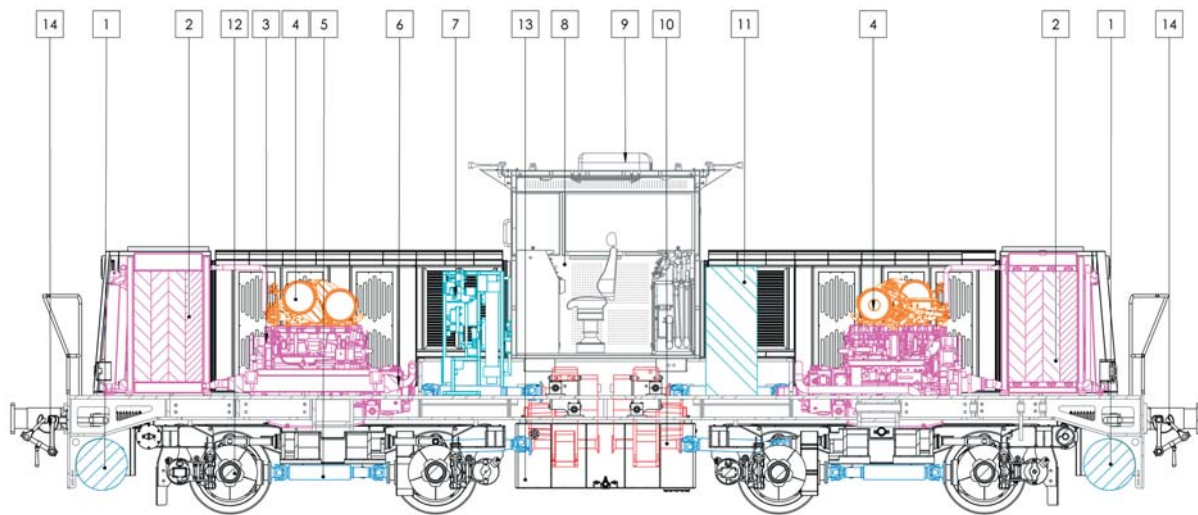




## **Diesel-hydraulic shunting locomotive MDD 5-00**

MDD 5-00 is our latest development. The prototype shunter is under construction at our factory in Ruse. It is based on the successful MDD 4-00 series of shunters and has most of its features. Locomotive weight is 72 tons, power is set to 960kW and this makes MDD 5-00 a versatile solution to a lot of tasks – from heavy industrial shunting to light train operations.





- 1 Air Tanks; 2 Cooling unit and compressor compartment; 3 Diesel engine; 4 Aftertreatment system; 5 Cardan shafts; 6 Torque converter; 7 Air brake panel; 8 Cabin; 9 Air conditioning; 10 Transmission; 11 Auxiliary electrical cabinet; 12 Wheelset; 13 Fuel tanks; 14 Buffer and towing device;

Track gauge	1 435 mm
Number of powered axles	4
Wheelset arrangement	B' - B'
UIC Gauge	UIC505-1
Maximum operating speed	60 km/h
Minimum continuous speed	4 km/h
Minimum curve radius	80m
Number of engines	2
Engine type	Diesel – CAT C18 ACERT
Power	480kW, Tier 4,
Total power	960kW
Nominal weight	72t
Axle load	18t
Compressors air output	4000l/min
Air tanks volume	1000l
Fuel tanks volume	1900l
Maximum towing capacity	267kN
Climate class	-25 to +42°C
Brake type	Disk

