vossloh
Locomotives

G 6

Three-axle Diesel-hydraulic locomotive for heavy shunting service

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Three-axle diesel-hydraulic locomotive for heavy shunting service

Diesel locomotive of the G 6 series
This shunting locomotive features a simple and robust design optimised for shunting operation in local networks. It meets the new statutory standards (emissions, etc.) and the requirements for EBO approval.

Tried and tested modules and components from the Vossloh locomotive family and a broad selection of accessories reliably ensure future-oriented and versatile application.

The robust locomotive chassis with optional crash energy absorbers features double front walls and robust track sweepers on each face end. It is prepared for different equipment variants. Spacious, convenient stairs and shunting steps lead to the lateral walkways.

The superstructure made of separately detachable sections has an easy to maintain, simple design with large doors. The battery box on the walkway ensures easy access to and removal of the batteries.

The spacious driver's cab offers easy operation, a great number of equipment options, a modern, practical interior design, storage spaces, large window panes, good standing height at the lateral windows and a widely centralised arrangement of the electrics.
The electronic controller provides bypass options in case of malfunctions.

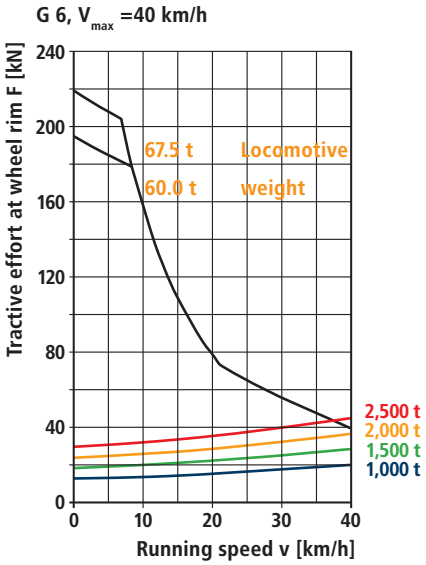
The running gear comprising tried and tested components features wear-proof wheel set guides and identical configuration of all wheel sets.

The brake system consists of an oil-free reciprocating compressor of variable size, disk brakes on all wheel sets and the proven design brake panel.

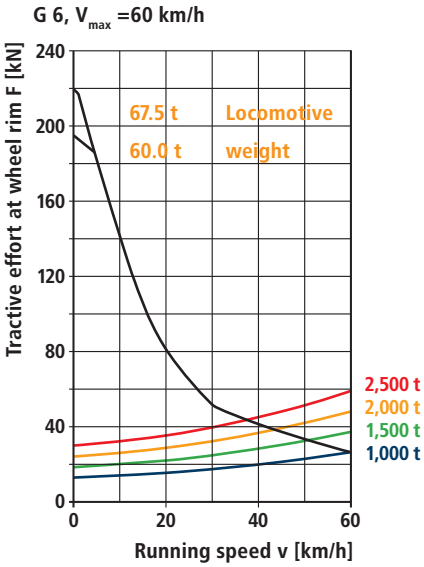
The three possible Diesel engine variants, including a simple 6-cylinder in-line engine, of course meet the EU/2004/26 stage III A emission regulations and are prepared for stage III B.

The cooling and exhaust systems are made up of robust, simple monoblocks, prepared for future emission regulations (exhaust gas and noise) and designed for exhaust aftertreatment (particle filter, combined with oxidation and reduction catalytic converter).

The proven design turbo gear
Voith L 3r4 zeU2 with optimised dynamic brake function and constant speed control can also be equipped with an optional integrated switching stage.

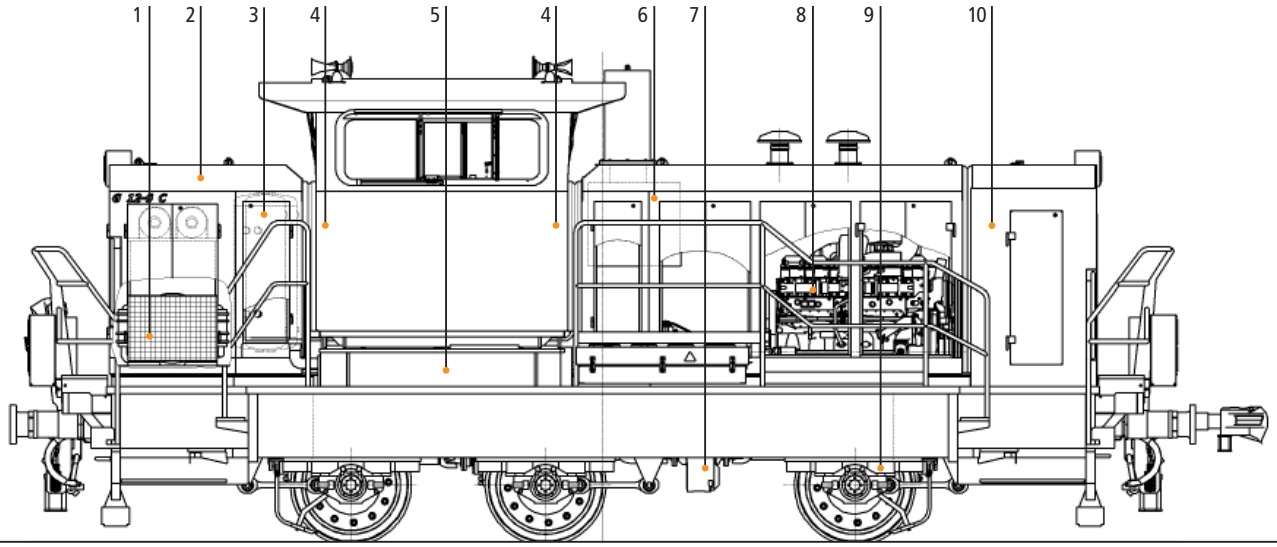


Starting effort acc. to Curtius and Kniffler, train resistance on level track calculated using formula for complete trains of Fal-waggons acc. to DB



ADDITIONAL / ALTERNATIVE EQUIPMENT

- Three Diesel engine suppliers
- Turbo gear with switching stage
- Broad gauge running gear
- Crash energy absorbers
- Pressure refuelling
- Multi frequency horn
- Warning bells
- Extended diagnosis system
- Electronic speed recorder
- Central data logging
- Diagnostic software
- Remote data transmission
- Shunting coupler
- Multiple traction
- Shunting / train radio system
- Radio remote control
- Design for left-hand or right-hand rail traffic
- Heated front windows
- Air conditioning unit
- Cooling box
- Independent driver's cab heating
- ETCS
- Exhaust aftertreatment systems



1 Compressor
2 Air / brake module
3 Main air reservoir
4 Central electronics cabinets
5 Fuel tank
6 Exhaust silencer
7 Turbo gear
8 Diesel engine
9 Wheel set gear
10 Cooler module

Power

Characteristics Overview

Technical Data	G 6
Diesel engine rating / speed	approx. 650 kW / 1,800 rpm
Diesel engine	Cummins, MTU, Caterpillar
Exhaust gas regulations	EU/2004/26 stage IIIA, prepared for stage IIIB
Axle arrangement	C
Track gauge	1,435 mm
Weight	60 t to 67.5 t
Length over buffers with / without crash energy absorbers	10,790 mm / 10,350 mm
Clearance gauge	UIC 505-1, G1 acc. to EBO
Height / width	4,225 mm / 3,080 mm
Wheel diameter new / worn	1,000 / 920 mm
Maximum speed	35 km/h (optionally up to 80 km/h)
Gear	Voith L3r4
Starting tractive effort	194 kN to 219 kN
Minimum curve radius	50 m
Fuel tank capacity	ca. 1.800 l

References of predecessor series
MaK G 765

Brandenburger Elektrostahlwerke GmbH
Hennigsdorfer Elektrostahlwerke GmbH
Hörseltalbahn GmbH
Hüttenwerke Krupp-Mannesmann GmbH
InfraLeuna Infrastruktur und Service GmbH
Kali + Salz GmbH
Mayr-Melnhof Karton GmbH
Stahlwerke Bremen GmbH
Voest Alpine Donawitz GmbH

Vossloh Locomotives GmbH
Falckensteiner Str. 2
D-24159 Kiel
Germany
Tel.: +49 (0)431 3999-3437
Fax: +49 (0)431 3999-2274
E-Mail: vertrieb.kiel@vl.vossloh.com

Service Center Moers
Baerler Str. 100
D-47441 Moers
Germany
Tel.: +49 (0)2841 1404-0
Fax: +49 (0)2841 1404-50
E-Mail: info.moers@vl.vossloh.com