



ROTRAC RR

Shunting capacity up to 4000 t



ROTRAC RR

- **Concept for heavy shunting operations**
- **All-welded steel frame construction**
- **High manoeuvrability with steered rear wheels**

Powertrain

- Engine: Deutz / Mercedes-Benz-Diesel
- Full automatic power shift transmission: Clark-Hurth
- Kessler driving axle

Safety equipment

- Dead man's handle
- Signal light and warning system
- Work lights
- Emergency stop

Rubber Tyres

- Higher than double friction coefficient than a locomotive

Rear wheels steered

- Traction control
- Differential lock

360° - Panorama View

Wagon brake system

- Robust, powerful and long-living
- Huge air storage
- Emergency air storage
- Air dryer

ROBUST - POWERFUL - ECO-FRIENDLY



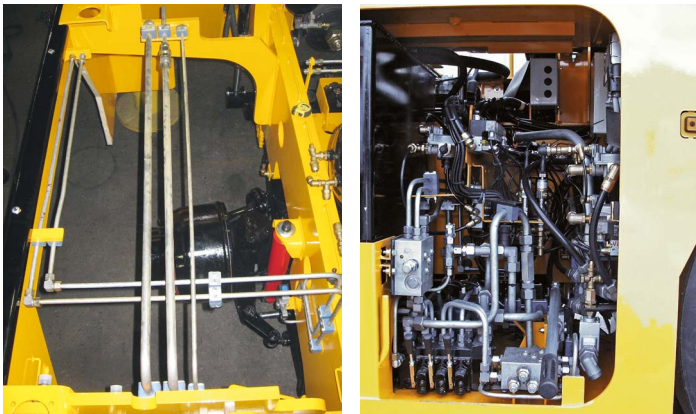
Base frame

Frame

- Low centre of gravity
- Buffers and Hooks
- Heavy und robust welded construction

Vehicle Handling

- Small space for tracking-on necessary
- High manoeuvrability with rear wheels steered
- High tractive forces due to the high friction coefficient between tyres and steel



Hydraulic

Rail Guidance System

- Track gauge 1076 to 1676 mm
- Safety device against derailling due to full floating rail axle
- Pressure compensation automatically
- Self-regulating system



Rail guidance system

Coupling System

- Mechanical drawbar
- Automatic coupler
- UIC-hook
- SA3- and AAR-coupler
- Centre buffer coupler
- Special executions



System

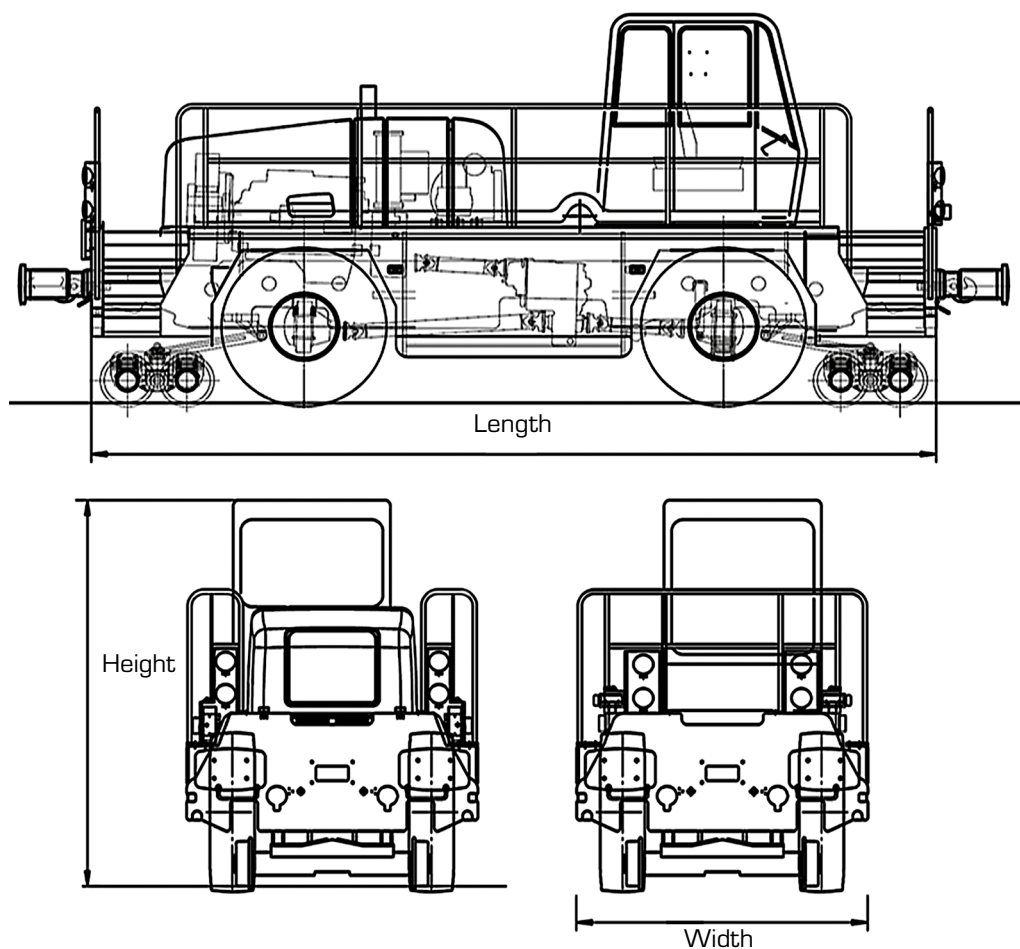
- Easy operation due to clearly arranged components
- Identical-parts philosophy



Options

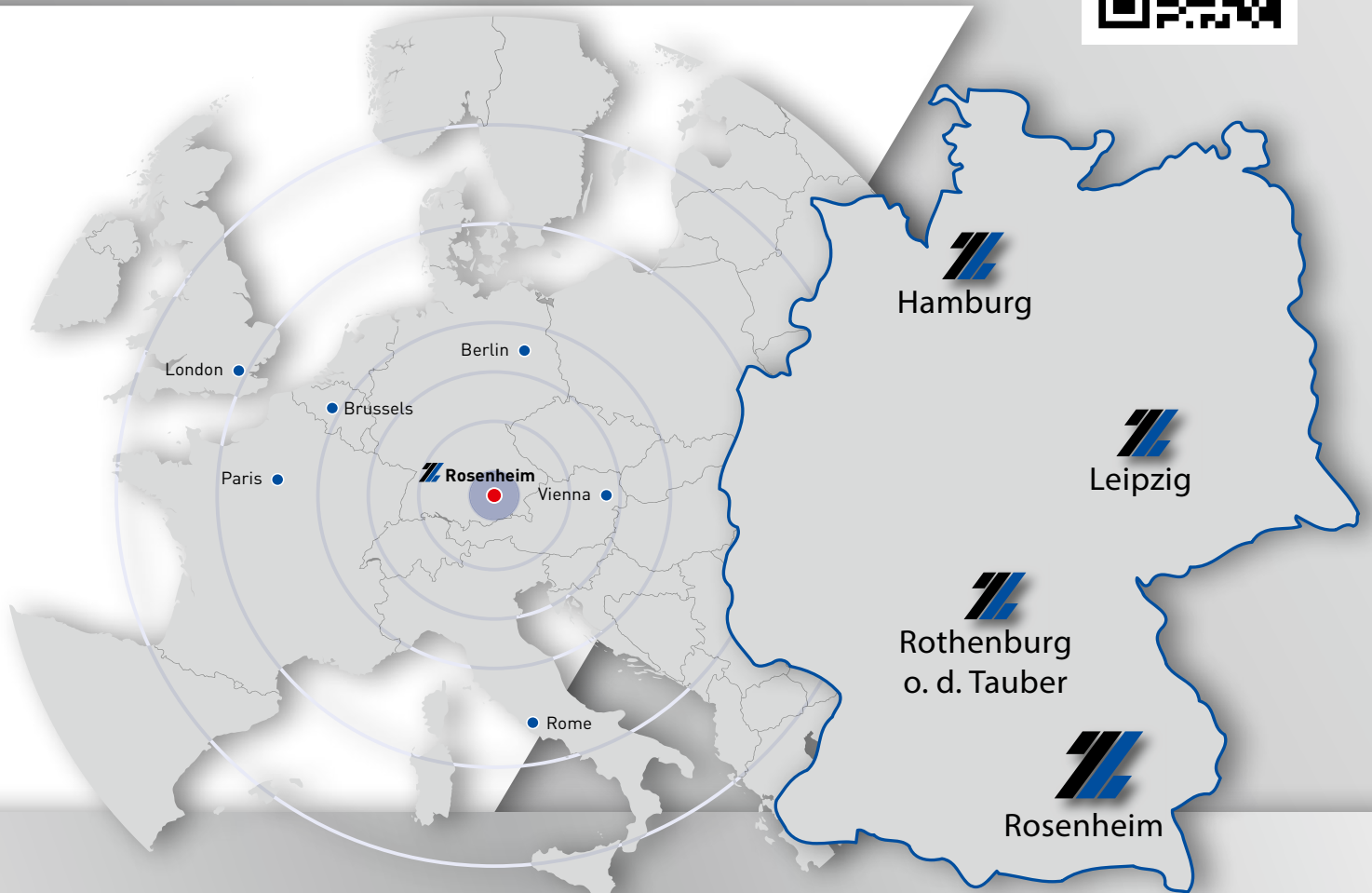
- Rear wheels steered
- Air conditioning
- Radio remote control
- Control console for reverse drive with turning seat
- Automatic central lubrication system
- Sensors for security against derailment
- Heating on windscreen
- Heating on the mirrors
- Auxiliary heating
- Additional air hose
- Sanding System
- Diverse Frontanbaugeräte
- Winter execution -20°C / -40°C
- GSM module
- Additional corrosion protection for extreme operating conditions.
- Tyre pressure monitoring
- Rail drying unit

VEHICLE DESIGN



	RR18	RR24	RR30	RR30B	RR35B	RR35B	RR40B
Engine	129 KW 175 PS	160 KW 217 PS	225 KW 305 PS	225 KW 305 PS	225 KW 305 PS	360 KW 490 PS	360 KW 490 PS
Weight	18 t	24 t	30 t	30 t	35 t	35 t	40 t
Tractive force (at $\mu=0,7$)	95 kN	135 kN	165 kN	165 kN	185 kN	185 kN	225 kN
Shunting capacity	1800 t	2400 t	3000 t	3000 t	3500 t	3500 t	4000 t
Wheels	12.00R24	12.00R24	14.00R24	14.00R24	14.00R24	14.00R24	14.00R24
Rail axis	2	2	2	4	4	4	4
Air capacity for wagon brake system	500 l	800 l	800 l	800 l	800 l	800 l	800 l
Capacity of fuel tank	320 l	450 l	450 l	450 l	450 l	600 l	600 l
Length ca.	6250 mm	6550 mm	6550 mm	7590 mm	7740 mm	8170 mm	8170 mm
Width ca.	2550 mm	2550 mm	2550 mm	2550 mm	2550 mm	2550 mm	2550 mm
Height ca.	3665 mm	3550 mm	3665 mm	3665 mm	3665 mm	3665 mm	3665 mm

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FURTHER PRODUCT RANGE:



ROTRAC E2
Shunting capacity up to 250 t



ROTRAC E4
Shunting capacity up to 500 t



Unimog
Shunting capacity up to 1000 t

