



## Colmar RRV crane

VolkerRail Ltd.

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Colmar RRV

VolkerRail’s plant division has a fleet of heavy lifting Colmar road rail vehicles (RRV), cranes and excavators which are permitted to work next to rail lines open to traffic, with both mechanical and electrical fail safe slew limiters.

There are a wide range of attachments associated with our RRV’s including various hydraulic grabs, ballast brushes, fast clipping machines and trailers, along with a wide range of specialist attachments for thimbling rail, ballast profiling, welding and more.

Our team of driver maintainer operators, who are highly qualified and experienced, deliver a client focused service by providing:

- Expert advice in all lifting and handling operations
- Plain line renewals, lifting panels solo or in tandem
- Lifting support for S&C renewals and construction
- Level crossing renewals
- Rapid and flexible client response
- Strong environmental awareness on site
- Plant operators licence working



Technical information

|                                      |                         |
|--------------------------------------|-------------------------|
| Weight                               | 32,000 kg               |
| Maximum travelling speed             | 15 mph (25 Km/h)        |
| Number of axles                      | 2                       |
| Overall Length                       | 5225 mm                 |
| Width                                | 2820 mm                 |
| Height (road)                        | 3270 mm                 |
| Height (rail)                        | 3500 mm                 |
| Tail swing gauge exceedance (CW in)  | 690 mm (max)            |
| Tail swing gauge exceedance (CW out) | 1230 mm (max)           |
| Height of tail swing above rail head | 1385 mm (min)           |
| Minimum curve radius                 | 80 m                    |
| Maximum gradient                     | 1 in 25                 |
| Maximum travelling cant              | 200 mm                  |
| Maximum working cant                 | 150 mm                  |
| Maximum on/off tracking cant         | 100 mm                  |
| Wheel profile                        | P1                      |
| Engine                               | Deutz TCD 6.1-L6 Tier 4 |
| Engine Power (2200 rpm)              | 150 kw                  |
| Drive                                | 9b                      |
| Rail wheels driven                   | 4                       |
| Hydraulic system pressure            | 350 bar                 |
| Hydraulic system flow rate           | 180 l/min               |
| Volume fuel tank                     | 450 ltr                 |
| Year of construction                 | 2014                    |

Expert advice in all lifting and handling operations

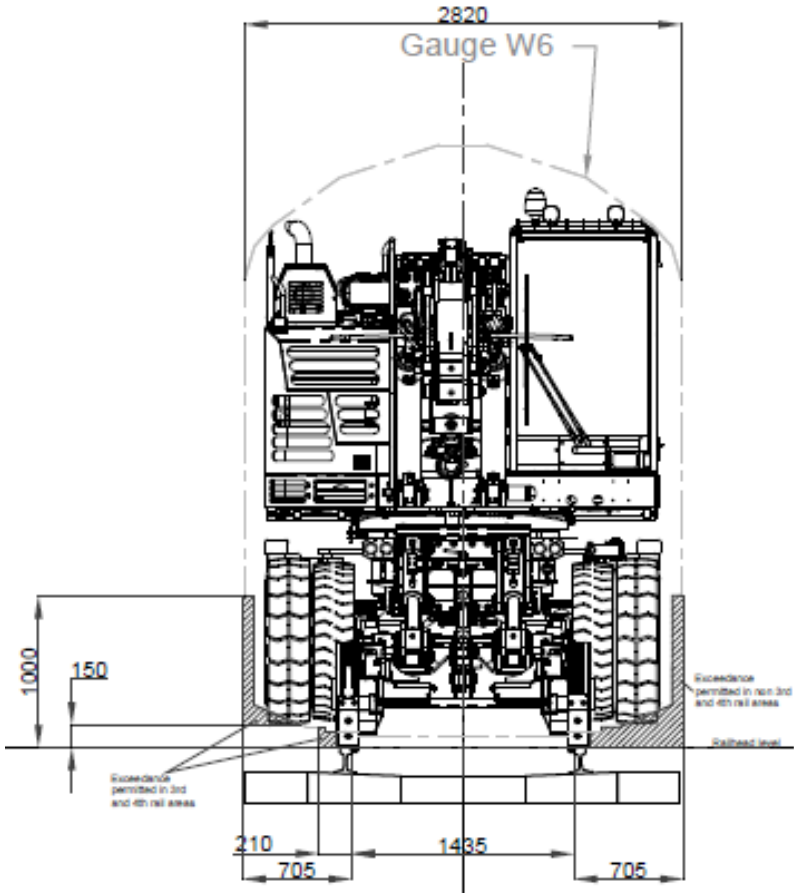






Operation information

|  |                         |
|--|-------------------------|
| Loading/Off loading or on/off tracking             | 1 Operator + m/c or c/c |
| Operation  | 1 Operator + m/c or c/c |
| RCI system   | GKD 3RCI                |
| ALO working  | Yes                     |
| On/off track, travel and work under live overheads | Yes                     |
| Quick hitch installed                              | Yes                     |
| Tandem lift mode                                   | Yes                     |
| Towing capacity                                    | 80,000 kg / 4 trailers  |



Production Information

| Lifting point             | SWL      | Maximum reach |
|---------------------------|----------|---------------|
| Auxiliary                 | 6tonne   | 6.7m          |
| Quick hitch (tool pin)    | 9.5tonne | 7m            |
| Tool pin (no quick hitch) | 16tonne  | 7m            |
| Quick hitch lifting eye   | 6tonne   | 7.5m          |

A full set of duty charts are available upon request for all three lifting points and tandem lift modes.





Rail mode – Level rail - Tool pin – unlocked - 0° - height  
3m – Distance 5m = 10.97t

Rail mode – Level rail - Tool pin – locked - 180° - height  
3m – Distance 5m = 11.88t

#### Attachments

- Fassetta Beam
- Universal Beam
- 60ft Lifting Beam
- Log Grab
- Sleeper Grab
- Camlock
- Drag Clamp

- Pallet Forks
- Thimble
- Drum Carrier
- Clamshell Bucket
- Profile Bucket
- Ditch Bucket
- 2ft Bucket
- Tamping Bank

Many other attachments available on request, please  
email VolkerRail delivery manager, Scott Almond on  
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Rapid and flexible client response

