



KIROW
LEIPZIG

VolkerRail
Plant

VolkerRail
Plant
S.W.L. 25 tonnes

VolkerWessels

DRK 81 622

Kirow 250 crane

 VolkerRail

Kirow 250

Since introducing the Kirow crane to the UK market over 20 years ago, we continue to be the market leader in rail crane operations for track, bridge and lineside infrastructure installations, and breakdown and recovery.

We own and operate two flexible, lightweight, Kirow 250s, which lift up to 25-tonne and are ideal for working on structures with a limited weight capacity.

Our team is on hand to offer an array of services, including:

- Expert advice in all lifting and handling operations.
- Track renewals and panel lifts - solo or in tandem.
- Lifting support for S&C renewals and construction.
- Bridge and gantry installation.
- Rapid and flexible client response.



Operation information

Minimum negotiable curve	80m
Maximum towing speed	120 km/h
Maximum wheel set load	125kn
Total weight	100t
Weight per metre	8.3t/m
Height in transport position	2,900mm
Width in transport position	2,700mm
Propping base one	4.6m
Propping base two	3.8m
Propping base three	2.8m
Prop cylinder stroke	1,000mm
Base free on wheels	1.5m x 7m
Maximum wheel load	210kn
Cant compensator	From 0 to 180mm track superelevation.
Rope diameter	24mm
Rope speed	0 - 15m/min
Hoisting speed	0 - 15m/min
Boom	Single telescope
Telescoping length	6.5m
Working radius total	6m - 16m
Working radius horizontal	9.5m - 16m
Telescoping speed	8m/min
External noise level	76db maximum
In cab noise level	72db maximum

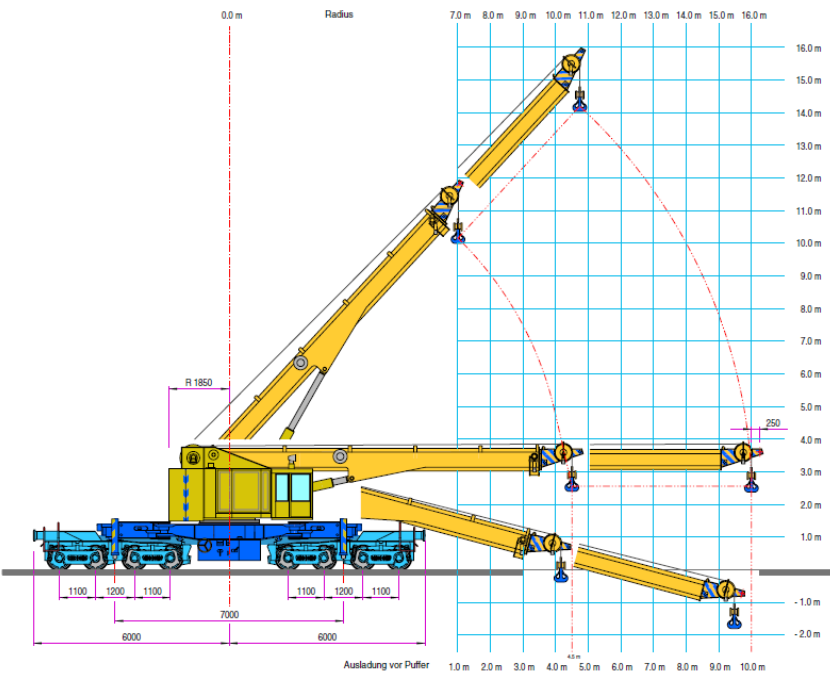
Lifting capacities

propping base		free on wheels (moving)					4,6 m		3,8 m		2,8 m	
slewing angle		± 15 ° (± 10 °)	± 20 ° (± 13 °)	± 25 ° (± 16 °)	± 30 ° (± 20 °)	360 ° (± 60 °)	± 40 °	360 °	± 30 °	360 °	± 20 °	360 °
radius	outreach beyond buffer	l i f t i n g c a p a c i t i e s (lifting capacities above 25 t with additional equipment only)										
6,0 m	0,0 m	25,0 t <small>16m</small>	25,0 t <small>21m</small>	25,0 t <small>25m</small>	25,0 t <small>30m</small>	10,0 t	25,0 t <small>30m</small>	25,0 t	25,0 t <small>30m</small>	25,0 t	25,0 t <small>21t</small>	22,0 t
7,0 m	1,0 m	25,0 t <small>18m</small>	25,0 t <small>24m</small>	25,0 t <small>30m</small>	20,0 t <small>35m</small>	8,0 t	25,0 t <small>45m</small>	25,0 t	25,0 t <small>35m</small>	25,0 t	25,0 t <small>24t</small>	18,0 t
8,0 m	2,0 m	25,0 t <small>21m</small>	25,0 t <small>27m</small>	20,5 t <small>34m</small>	16,5 t <small>40m</small>	6,5 t	25,0 t <small>51m</small>	25,0 t	25,0 t <small>40m</small>	22,0 t	25,0 t <small>27t</small>	14,5 t
9,0 m	3,0 m	25,0 t <small>23m</small>	23,0 t <small>31m</small>	17,5 t <small>38m</small>	14,0 t <small>45m</small>	5,5 t	25,0 t <small>58m</small>	23,5 t	25,0 t <small>45m</small>	18,5 t	25,0 t <small>31t</small>	12,5 t
9,5 m	3,5 m	25,0 t <small>25m</small>	21,5 t <small>32m</small>	16,0 t <small>40m</small>	13,0 t <small>48m</small>	5,0 t	25,0 t <small>61m</small>	22,0 t	25,0 t <small>48m</small>	17,0 t	25,0 t <small>32t</small>	11,5 t
10,0 m	4,0 m	25,0 t <small>26m</small>	20,0 t <small>34m</small>	15,0 t <small>42m</small>	12,0 t <small>50m</small>	4,5 t	25,0 t <small>64m</small>	20,5 t	25,0 t <small>50m</small>	16,0 t	25,0 t <small>34t</small>	10,5 t
11,0 m	5,0 m	25,0 t <small>28m</small>	17,0 t <small>38m</small>	13,0 t <small>46m</small>	10,5 t <small>55m</small>	4,0 t	25,0 t <small>71m</small>	17,5 t	25,0 t <small>55m</small>	14,0 t	25,0 t <small>38t</small>	9,5 t
12,0 m	6,0 m	22,5 t <small>31m</small>	15,0 t <small>41m</small>	11,5 t <small>51m</small>	9,5 t <small>60m</small>	3,5 t	22,5 t <small>77m</small>	15,5 t	22,5 t <small>60m</small>	12,0 t	22,5 t <small>41t</small>	8,0 t
13,0 m	7,0 m	20,0 t <small>34m</small>	13,5 t <small>44m</small>	10,5 t <small>55m</small>	8,5 t <small>65m</small>	3,0 t	20,0 t <small>84m</small>	14,0 t	20,0 t <small>65m</small>	11,0 t	20,0 t <small>44t</small>	7,5 t
14,0 m	8,0 m	18,0 t <small>36m</small>	12,0 t <small>46m</small>	9,0 t <small>56m</small>	7,5 t <small>70m</small>	2,5 t	18,0 t <small>90m</small>	12,5 t	18,0 t <small>70m</small>	9,5 t	18,0 t <small>48t</small>	6,5 t
15,0 m	9,0 m	16,5 t <small>39m</small>	11,0 t <small>51m</small>	8,5 t <small>63m</small>	6,5 t <small>75m</small>	2,0 t	16,5 t <small>98m</small>	11,5 t	16,5 t <small>75m</small>	9,0 t	16,5 t <small>51t</small>	6,0 t
16,0 m	10,0 m	15,0 t <small>41m</small>	10,0 t <small>55m</small>	7,5 t <small>68m</small>	6,0 t <small>80m</small>	1,5 t	15,0 t <small>102m</small>	10,5 t	15,0 t <small>80m</small>	8,0 t	15,0 t <small>55t</small>	5,5 t

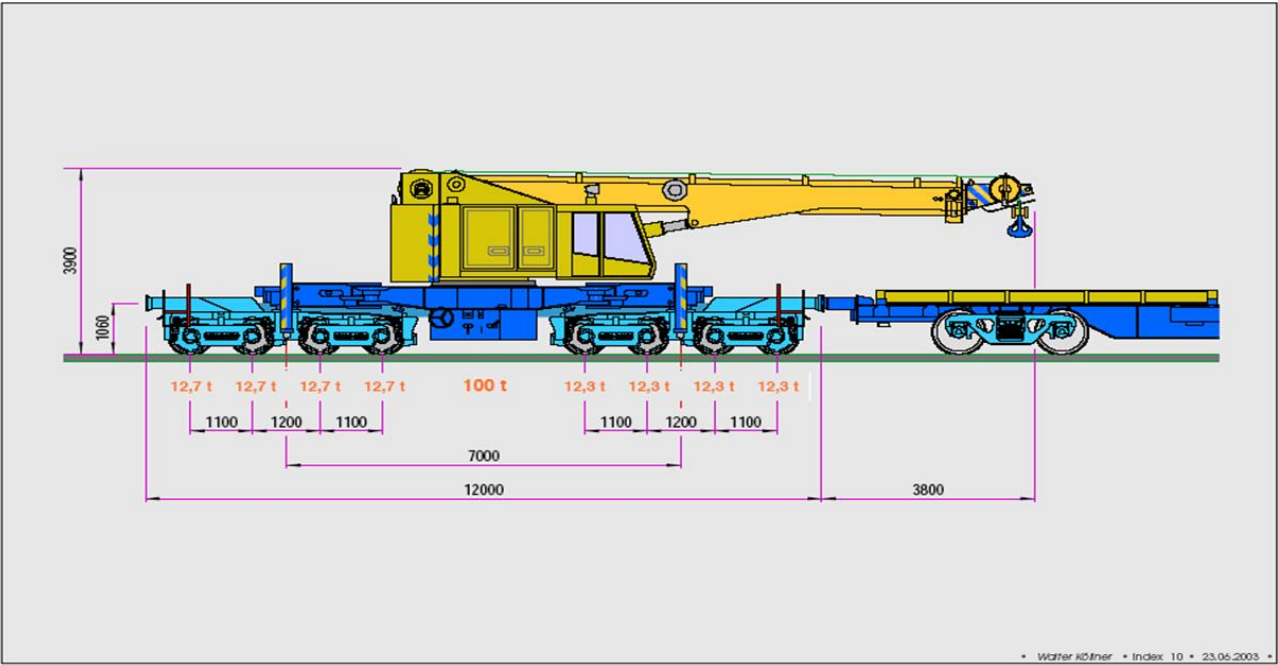
The above table is given as guidance only, actual lifting capabilities are dependent on site restrictions and conditions.

Please contact Kirow.crane@volkerrail.co.uk for more information.

Working range



Transport position



Lifting beam



Panel lifting beam



