



Kirow 810 crane

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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 a Kirow 810 crane which can lift up to 100-tonne. Our cranes can be used individually or in tandem for more complex lift operations, to undertake track, bridge and lineside infrastructure installations, and breakdown and recovery.

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	70m
Maximum towing speed	120 km/h
Maximum wheel set load	135kn
Total weight	108t
Weight per feet	7.7t/m
Height in transport position	3,900mm
Width in transport position	2,800mm
Propping base one	4.7m
Propping base two	4m
Propping base three	3m
Prop cylinder stroke	550mm
Base free on wheels	1.5m x 9m
Maximum wheel load	250kn
Rope diameter	24mm
Rope speed	0 - 20m/min
Hoisting speed	0 - 10m/min
Hook block	50-100t
Slewing gears	Two 2 – stage planet gears, spring – loaded disk brake and two roller bearing slewing mechanism.
Boom	Single telescope
Telescoping length	8m
Working radius total	8 - 20m
Working radius horizontal	12 - 20m
Telescoping speed	3 - 6m/min
External noise level	72db maximum
In cab noise level	68db maximum

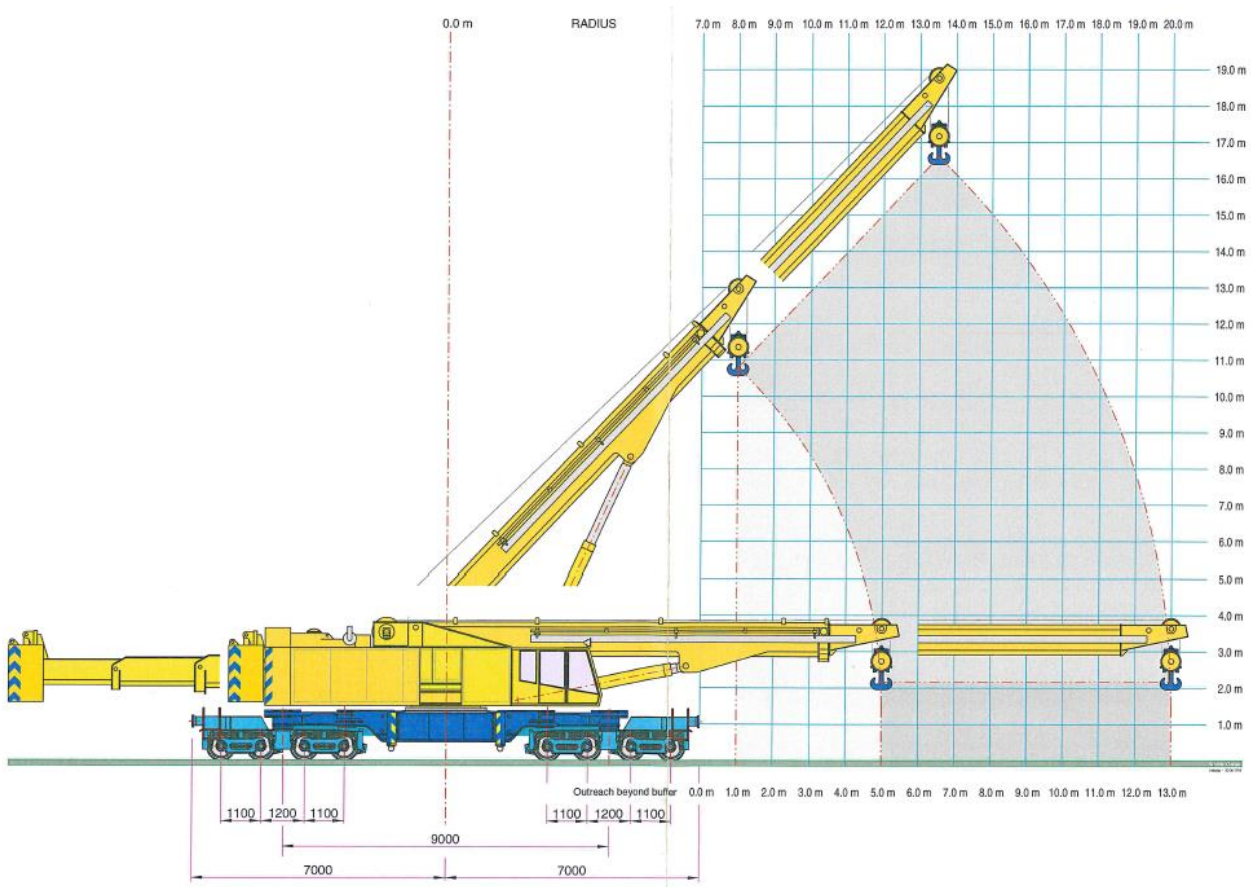
Lifting capacities

PROPPING BASE		FREE ON WHEELS (WHEEL LOAD $Q \leq 250 \text{ kN}$)			4-Point • 4,7 m		4-Point • 4,0 m	
TAIL RADIUS		6,0 m			12,0 m	7,5 m	12,0 m	6,0 m
SLEWING ANGLE		$\pm 3^\circ$	$\pm 10^\circ$	$\pm 20^\circ$	$\pm 30^\circ$	360°	$\pm 12^\circ$	360°
RADIUS	OUTREACH BEYOND BUFFER	LIFTING CAPACITIES REAR PART FOLLOWS CRANE ROTATION						
8,0 m	1,0 m	69,0 t	58,5 t	25,0 t	100,0 t	60,0 t	100,0 t	35,0 t
9,0 m	2,0 m	65,0 t	50,5 t	25,0 t	88,0 t	51,0 t	88,0 t	35,0 t
10,0 m	3,0 m	57,5 t	44,5 t	25,0 t	77,5 t	43,5 t	77,5 t	31,5 t
11,0 m	4,0 m	51,0 t	39,5 t	25,0 t	69,0 t	37,5 t	69,0 t	28,0 t
12,0 m	5,0 m	46,0 t	36,0 t	25,0 t	62,5 t	33,0 t	62,5 t	25,5 t
13,0 m	6,0 m	42,0 t	32,5 t	24,0 t	55,5 t	29,0 t	55,5 t	22,5 t
14,0 m	7,0 m	38,5 t	29,5 t	22,0 t	49,5 t	26,0 t	49,5 t	20,0 t
15,0 m	8,0 m	35,5 t	27,0 t	20,0 t	45,0 t	23,5 t	45,0 t	18,0 t
16,0 m	9,0 m	33,0 t	25,0 t	18,0 t	40,5 t	21,5 t	40,5 t	16,5 t
17,0 m	10,0 m	30,5 t	23,0 t	16,5 t	37,5 t	19,5 t	37,5 t	15,0 t
18,0 m	11,0 m	28,0 t	21,0 t	15,0 t	34,5 t	18,0 t	34,5 t	13,5 t
19,0 m	12,0 m	25,5 t	19,5 t	13,5 t	31,5 t	16,5 t	31,5 t	12,5 t
20,0 m	13,0 m	24,0 t	18,5 t	12,0 t	29,5 t	15,0 t	29,5 t	11,0 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 parameters

