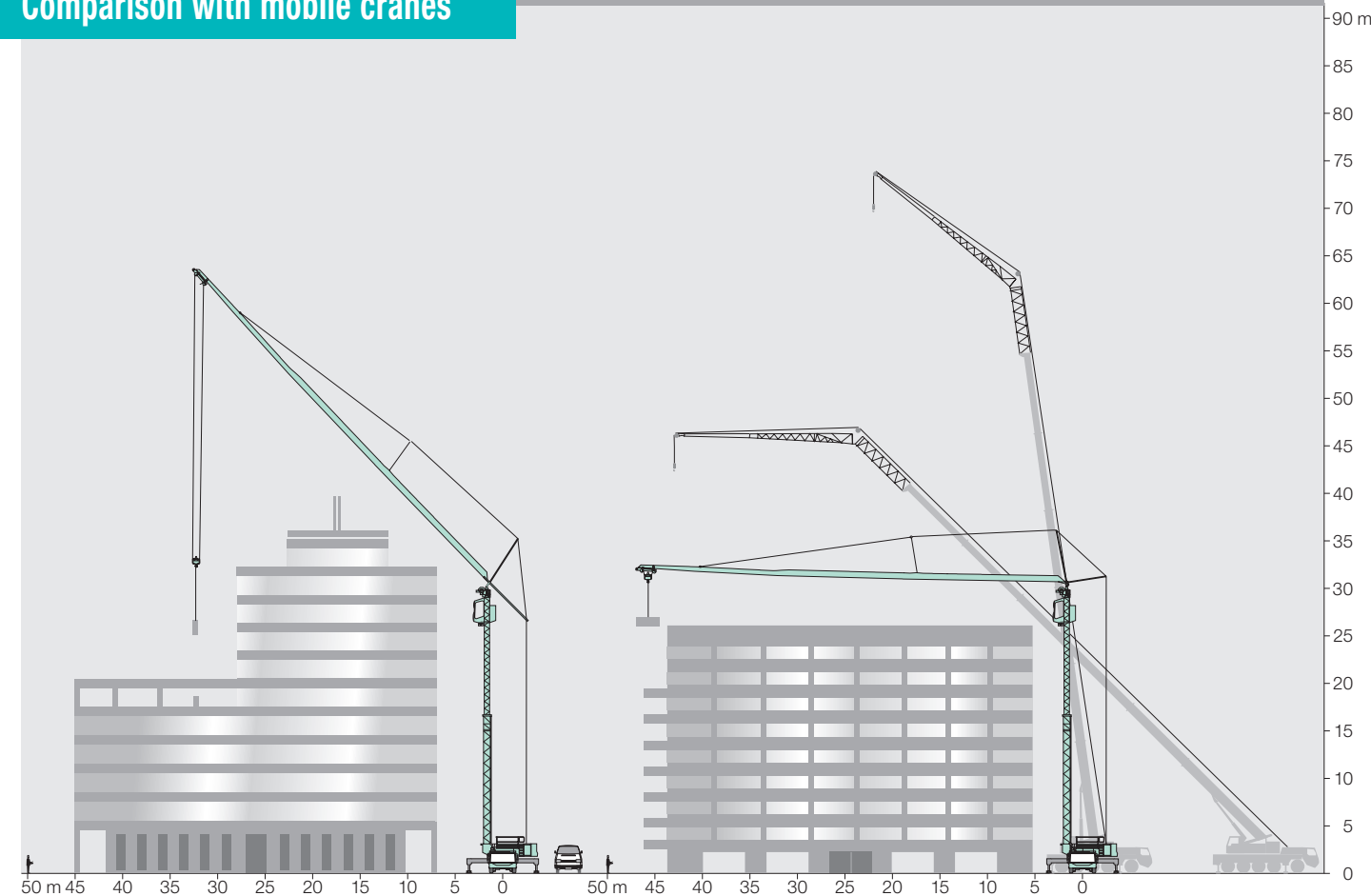
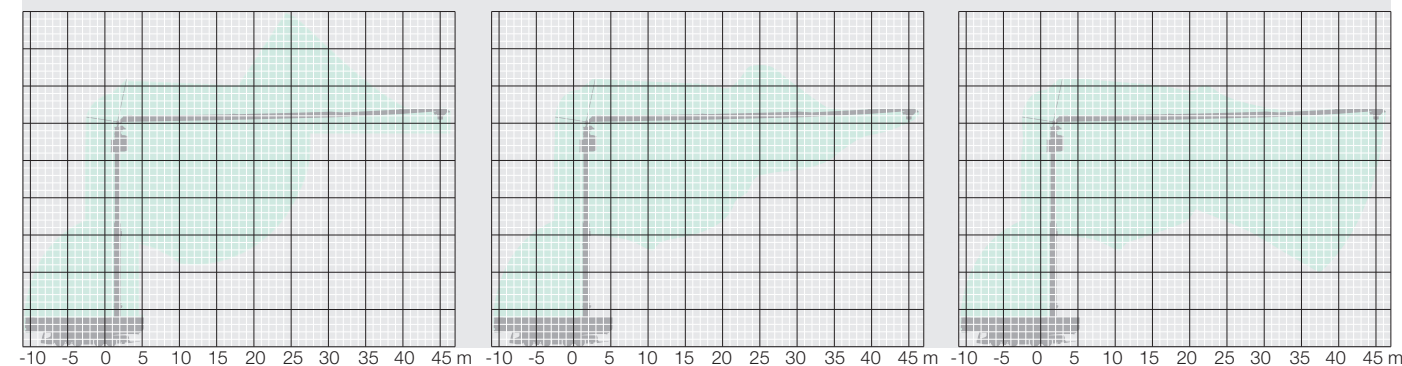


Comparison with mobile cranes



Erection curve



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NOSTOPALVELU
J.SIMOLA

MK 88-4.1 Plus mobile construction crane

Biggest and strongest 4-axle crane on the market



NOSTOPALVELU
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Highest hook height: **59.1 m** // Maximum radius: **45.0 m**

Maximum lifting capacity at the jib head: **2200 kg** (with additional ballast)

High erection curve // Luffed positions: **15°, 30° and 45°**

Can be erected by **only one man** in **11 minutes** (after being raised onto its supports)

LIEBHERR

The diagram illustrates the ESTIMOLAT 1000 crane's capabilities with various boom extensions and angles. The main diagram shows the crane on a grid with dimensions in meters (m) and load capacities in kilograms (kg).

Boom Configuration	Angle	Horizontal Reach (m)	Vertical Height (m)	Load Capacity (kg)
Telescopic Boom (Top)	45°	31.9	59.1	1850
Telescopic Boom (Middle)	30°	38.9	50.4	2050 ^{*1}
Telescopic Boom (Bottom)	15°	43.3	40.2	1850 ^{*1}
Horizontal Boom (Top)	-	45.0	30.2	2200 ^{*1,*2}
Horizontal Boom (Bottom)	-	45.0	17.9	2050 ^{*1,*2}

Dimensions (m):

- Overall width: 4.7 m
- Wheelbase: 2.6 m
- Height to top of boom: 3.6 m
- Height to top of boom (with jib): 3.7 m
- Height to top of boom (with jib): 2.7 m
- Height to top of boom (with jib): 3.4 m
- Height to top of boom (with jib): 2.9 m
- Height to top of boom (with jib): 3.4 m
- Height to top of boom (with jib): 28.3 m
- Height to top of boom (with jib): 36.0 m

Load Capacities (kg):

- 1850 kg
- 2050^{*1} kg
- 1850^{*1} kg
- 2200^{*1,*2} kg
- 2050^{*1,*2} kg

Notes:

- *1: With jib
- *2: With jib and counterweight

Technical drawings of the truck for transport, showing side, front, and rear views with dimensions.

Side View Dimensions:

- Height: 1.89 m
- Angle: 12.0°
- Wheelbase: 11.58 m
- Overhang (front): 2.08 m
- Overhang (rear): 2.28 m
- Distance from front overhang to first axle: 4.69 m
- Distance between first and second axle: 2.34 m
- Distance between second and third axle: 2.9 m
- Distance between third and fourth axle: 1.65 m
- Distance from third axle to rear overhang: 4.36 m
- Distance from front overhang to third axle: 10.74 m
- Distance from third axle to rear overhang: 5.20 m
- Overall length: 15.94 m

Front View Dimensions:

- Height: 4.0 m
- Angle: 12.0°
- Width: 2.36 m
- Distance from centerline to side structure: 2.75 m

Rear View Dimensions:

- Angle: 9.3°
- Distance from centerline to side structure: 1.09 m
- Angle: 12.0°
- Width: 0.80 m

Technical drawing of a ship's hull cross-section. The drawing shows a green hull structure with a central circular opening. Dimensions include a total width of 7.3 m, a height of 7.0 m, and a lower section height of 5.8 m. A dashed line indicates a radius $R = 10.4$ m. A solid line indicates a radius $r = 3.6$ m. A dashed line indicates a radius $r = 3.7$ m. A detail view shows a corner with a maximum load of 37 t and a dimension of 0.6 x 0.6 m.



7.30 x 5.75 m

				m																				
		m	kg	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	45.0		
0°	45.0		3.3 - 10.5	8000	8000	6930	5870	5080	4470	3980	3580	3250	2970	2730	2520	2340	2180	2030	1910	1790	1690	1590	1550	
	Plus⁴²		3.3 - 9.3	8000	7410	6100	5170	4480	3940	3500	3150	2860	2610	2400	2210	2050	1910	1780	1670	1570	1470	1390	1350	
15°	43.3		3.3 - 11.5	8000	8000	7620	6410	5510	4830	4280	3840	3480	3170	2910	2690	2490	2320	2170	2030	1910	1800	1700	1650	
			3.2 - 36.0	1850	1850															1740	1650	1560	1500	
	Plus		3.2 - 34.0	1850	1850															1400				
			3.2 - 26.0	2600	2600										2410	2250	2100	1970	1850	1740	1650	1560	1500	
30°	38.9		3.2 - 24.7	2600	2600										2470	2280	2120	1980	1850	1740	1630	1540	1460	1400
			3.0 - 11.0	6000	6000	5580	4880	4320	3880	3510	3200	2930	2700	2500	2330	2180	2040	1910	1750					
45°	31.9		3.0 - 9.0	6000	5480	4650	4030	3540	3150	2830	2570	2340	2150	1980	1830	1700	1590	1490	1350					
			2.7 - 31.9	1850	1850																			
	Plus		2.7 - 24.0	1850	1850												1600							
			2.7 - 28.3	2800	2800								2670	2430	2230	2050	1900							
			2.7 - 19.5	2800	2800						2730	2460	2230	2040	1870	1730	1600							

^{*1} Lifting capacities with 2.0 t additional ballast

^{*2} Plus load curves with control limitations in comparison to standard load curve. See the operating manual for more details.

^{*3} Lifting capacity details at maximum erection height, higher lifting capacities are possible with lower erection heights. See the operating manual for more details