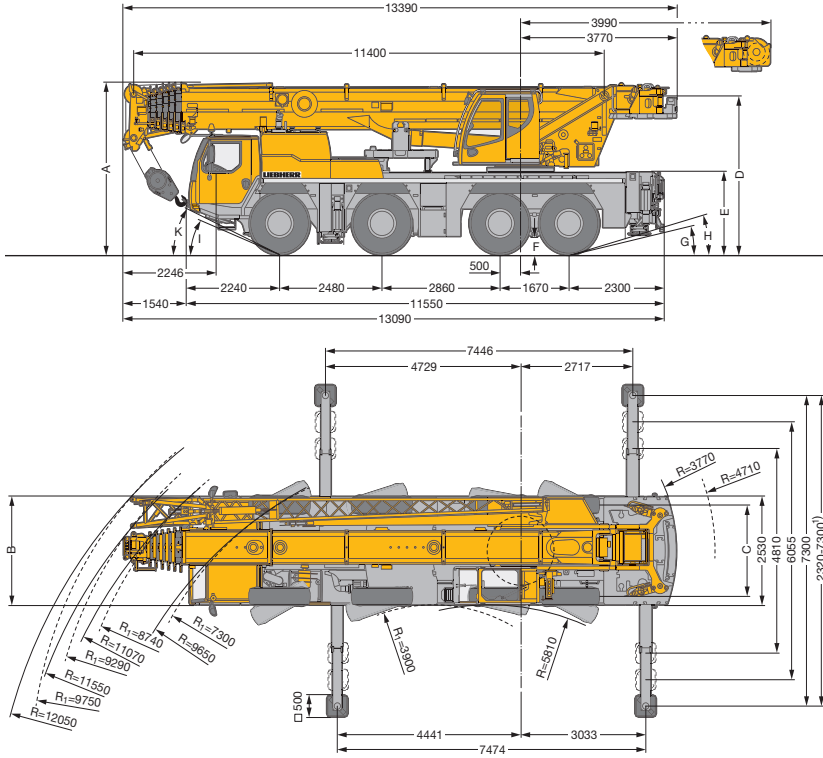


Liebherr LTM 1090-4.2


All terrain crane

Dimensions



R₁ = All wheel steering

¹⁾ Only with VarioBase®


	A	A 100mm*	B	C	D	E	F	G	H	I	K
385/95 R 25 (14.00 R 25)	3950	3850	2550	2160	3644	1866	345	11°	15°	22°	25°
445/95 R 25 (16.00 R 25)	4000	3900	2550	2100	3694	1916	395	13°	17°	24°	27°
525/80 R 25 (20.50 R 25)	4000	3900	2690	2170	3694	1916	395	13°	17°	24°	27°

* Lowered

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Weights/Working speeds

Weights

	Load t	Number of sheaves	Number of lines	Weight
	68	7	12	760 kg
	59.2	5	10	530 kg
	42.3	3	7	450 kg
	18.7	1	3	300 kg
	6.3	-	1	140 kg

Working speeds




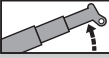
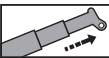


	Km/h Minimum	Km/h Maximum			
385/95 R 25 (14.00 R 25)	0.44	80	60%*		12 / R2
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.50 R 25)	0.48	80.5	60%*		4 / R2

* Theoretical gradeability

Crane superstructure



Drive	Infinitely variable	Rope diameter/ length	Maximum single line pull
	0-125 m/min Single line	17 mm / 245m	63 kN
	0-125 m/min Single line	17 mm / 245m	63 kN
	0-1.5 min ⁻¹		
	Approx. 57 seconds to reach 85° boom angle		
	Approx. 395 seconds for boom extension from 11.4m-60m		

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Lifting capacities



m	11.4m		15.1m	18.9m	22.6m	26.3m	30m	33.8m	37.5m
	*								
3.0	90.0	59.2	59.2	59.2	48.0				
3.5	59.2	59.2	58.2	56.3	48.0	36.6			
4.0	55.6	54.9	53.2	51.0	47.5	36.6			
4.5	50.9	50.5	49.0	46.8	45.3	36.6	30.4		
5.0	47.6	46.7	45.4	43.1	41.7	36.3	30.0	24.5	
6.0	42.0	40.3	40.2	38.3	36.7	35.1	28.8	23.8	19.3
7.0	36.6	35.3	35.8	34.4	33.6	32.3	27.6	22.9	19.1
8.0	31.6	30.9	31.4	31.1	30.5	29.2	26.4	22.1	18.9
9.0	27.1	27.0	27.6	27.9	27.7	26.7	25.0	21.3	18.6
10.0			24.4	24.7	24.7	24.4	23.5	20.5	18.1
11.0			21.6	22.0	22.0	21.9	22.1	19.7	17.1
12.0			19.5	19.6	19.7	19.6	19.9	18.9	16.1
14.0				16.1	16.3	16.4	16.2	16.0	14.3
16.0				13.6	13.8	13.7	13.5	13.3	12.7
18.0					11.6	11.6	11.4	11.1	10.7
20.0					9.9	9.8	9.6	9.3	9.6
22.0						8.4	8.2	8.5	8.3
24.0						7.3	7.3	7.4	7.1
26.0							6.7	6.5	6.1
28.0								5.6	5.3
30.0								4.9	4.6
32.0									4.3
34.0									4.0

* Over rear



m	41.2m	44.9m	48.7m	52.4m	55.6m	56.1m	59.4m	60m
	7.0	15.2						
8.0	15.1	11.7						
9.0	15.0	11.5	9.2					
10.0	14.4	11.2	9.0	7.3	4.9	5.3		
11.0	13.8	10.8	8.8	7.1	4.9	5.3	4.2	4.1
12.0	13.3	10.4	8.5	7.0	4.8	5.2	4.2	4.1
14.0	12.2	9.4	8.0	6.7	4.7	5.0	4.2	4.1
16.0	11.3	8.5	7.3	5.9	4.5	4.8	4.1	4.0
18.0	10.4	7.6	6.7	5.4	4.2	4.6	4.0	3.9
20.0	9.3	6.9	6.1	5.0	4.0	4.3	3.8	3.7
22.0	7.9	6.3	5.5	4.6	3.7	4.1	3.6	3.6
24.0	6.8	5.9	5.0	4.3	3.5	3.8	3.4	3.4
26.0	5.8	5.5	4.6	4.0	3.3	3.6	3.2	3.2
28.0	5.1	5.1	4.2	3.8	3.1	3.4	3.0	3.0
30.0	4.8	4.5	3.9	3.5	2.9	3.2	2.9	2.9
32.0	4.2	4.0	3.8	3.3	2.7	3.1	2.7	2.7
34.0	3.8	3.5	3.5	3.1	2.6	2.9	2.6	2.6
36.0	3.4	3.3	3.2	2.9	2.4	2.7	2.5	2.4
38.0	3.1	3.1	2.9	2.8	2.3	2.6	2.3	2.3
40.0		2.8	2.7	2.6	2.1	2.4	2.2	2.2
42.0		2.5	2.5	2.3	2.0	2.2	2.1	2.0
44.0			2.2	2.2	1.9	2.0	2.0	1.9
46.0			2.0	1.9	1.8	1.8	1.8	1.8
48.0				1.7	1.7	1.5	1.6	1.6
50.0				1.6	1.6	1.4	1.4	1.4
52.0					1.4	1.2	1.2	1.2
54.0							1.0	1.0
56.0							0.8	0.8

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Lifting heights

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