

Liebherr LTM 1090-4.1

Lifting Capacities on Telescopic Boom

		17t Counterweight										
Main Boom (m)	11.1	14.7	18.3	21.9	25.4	29	32.6	36.2	39.7	43.3	46.9	50
Radius (m)												
3	68	63	63									
3.5	62	62	61	53								
4	57	57	56	52	42.5							
4.5	52	52	52	50	41.5	34						
5	48.5	48.5	48.5	48	40.5	33.5	27.3					
6	41.5	42	42	42.5	38.5	32	26.4	22.5				
7	35.5	36	36	36	33.5	30.5	25.4	22.1	17.7			
8	30.5	31	31.5	30.5	29.6	27.8	24	21.2	17.5	14		
9	26.3	26.9	27.2	26.2	25.6	24.1	22.3	19.9	16.9	13.8	10.9	
10		23.1	23.5	23.7	22.5	21.2	20	18.6	16.1	13.4	10.7	9
11		20	20.6	20.7	20	18.8	18.1	17.1	15.2	12.8	10.4	9
12		17.4	18	18.1	17.9	16.8	16.3	15.3	14.4	12.2	10.4	8.8
14			14.2	14.3	14.1	13.9	13.9	12.9	12.3	11.1	9.5	8.3
16			11.5	11.6	11.5	11.9	11.6	11	10.3	10.2	8.8	7.8
18				9.7	9.6	9.9	9.7	9.4	9.2	8.8	8.1	7.2
20					8.2	8.4	8.3	8.4	8	7.5	7.5	6.7
22					7	7.2	7.4	7.2	7	6.9	6.6	6.2
24						6.3	6.5	6.2	6.2	6.1	5.7	5.6
26							5.6	5.6	4.6	5.5	5.3	4.9
28								5	5	4.8	4.5	4.2
30								4.4	4.4	4.2	4	3.7
32									3.9	3.7	3.5	3.2
34									3.5	3.2	3.1	2.8
36										2.8	2.7	2.4
38											2.3	2.1
40											2	1.8
42												1.5
44												1.3
46												1

TAB 150033

The charts that have been included have been reproduced from manufacturer specifications, and while every effort has been made to ensure their accuracy, we do not accept any responsibility for errors or omissions. We also need to draw your attention to the guidance notes on page 47 to assist you with your crane selection.

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Lifting Capacities of the Main Boom with Folding Jib

Main Boom (m)	17t Counterweight																			
	11.1		25.4		29		32.6		36.2		39.7		43.3		46.9		50			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
Folding Jib (m)																				
Offset																				
Radius (m)																				
4	11.4																			
5	11.4	9.2																		
6	11.2	9.1	11.4																	
7	10.6	8.6	6.8	11.4			11.2													
8	9.8	8.1	6.8	11.4			11.2	9.8												
9	9.1	7.7	6.5	11.4	9.2		11.2	9.8	8.4											
10	8.3	7.3	6.3	11.4	8.9		10.9	9.8	8.4	8.4										
11	7.6	7	6.1	11.4	8.6	6.8	10.7	8.5	9.7	8.4	7					5.1				
12	7.1	6.6	6	11	8.3	6.6	10.4	8.3	9.5	8	8.3					5.2			4.4	
14	6	5.9	5.7	10.1	7.8	6.4	10.2	7.9	6.4	9.8	7.8	6.4	9.1	7.6	6.2	8.1	7.2			4.4
16	5.2	5.3	5.2	9.2	7.4	6.2	9.3	7.5	6.2	8.7	7.3	6.1	7.9	7	5.9	6.7	6.3	5.7	5.2	4.8
18	4.6	4.8	4.8	8.3	6.9	6	8.7	7.1	6	8.7	7.1	6	8.3	7	6	7.5	6.7	5.8	5.5	4.9
20				7.5	6.5	5.9	8	6.8	5.9	7.7	6.8	5.9	7.1	6.8	5.8	6.9	6.5	5.7	5.8	5.4
22				6.8	6.1	5.7	7	6.4	5.8	6.7	6.5	5.8	6.4	6.5	5.7	5.9	6.1	5.6	5.5	5.1
24				6.2	5.7	5.4	6.1	6	5.6	5.8	6.1	5.6	5.6	5.7	5.6	5.5	5.4	5	4.8	4.6
26				5.5	5.4	5.2	5.5	5.4	5	5.3	5.4	4.9	5.2	5.2	4.7	4.8	5.1	4.4	4.5	4.3
28				4.8	5	5	4.5	4.8	4.9	4.3	4.6	4.2	4.5	4.8	4.2	4.4	4.7	4.1	4.1	3.6
30				4.2	4.4	4.4	3.9	4.1	4.2	3.7	3.9	4.1	3.7	3.9	3.8	3.4	3.5	3.8	3.4	3.3
32				3.7	3.8	3.4	3.6	3.6	3.2	3.4	3.5	3.1	3.4	3.5	3.2	3.4	3.6	3.2	3.3	3.2
34							3	3.1		2.7	2.9	3	2.8	2.9	3	3	3.1	2.9	3	3
36							2.6	2.6		2.3	2.5	2.5	2.7	2.7	2.6	2.8	2.8	2.5	2.7	2.8
38										2	2.1	2.5	2.5	2.6	2.3	2.4	2.5	2	2.3	2.4
40							1.7	1.7		1.7	1.7	2.2	2.3		2	2.1	2.2	1.8	2	2.1
42										2	2	1.7	1.8	1.5	1.7	1.7	1.3	1.4	1.5	1.2
44										1.7	1.7				1.5	1.5	1.3	1.4	1.5	1
46															1.2	1.3	1.1	1.2	1.2	0.8
48																	0.9	0.9		0.7
50																				0.7

TAB 150203 / 150223 / 150243



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Lifting Capacities of the Main Boom with Folding Jib

Main Boom (m)	17t Counterweight																							
	11.1			29			32.6			36.2			39.7			43.3			46.9			50		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
Offset																								
Radius (m)	4	3.7																						
5	3.7																							
6	3.7																							
7	3.7																							
8	3.6		3.7																					
9	3.5	3	3.7			3.5																		
10	3.4	3	3.7			3.5			3.4															
11	3.3	3	3.7			3.5			3.4			3.4												
12	3.2	3	3.7			3.5			3.4			3.4			3.2									
14	3	2.8	2.4	3.6	3			3.5			3.4			3.4										
16	2.8	2.6	2.4	3.5	3			3.4	2.9	3.3	2.9			3.4									2.5	
18	2.5	2.5	2.3	3.4	2.9	3			3.3	2.8	3.3	2.8			3.2	2.8						2.5		
20	2.3	2.4	2.3	3.2	2.8	2.4	3.2	2.8	2.4	3.2	2.8			3.2	2.8			2.8	2.6			2.5	2.4	
22	2.1	2.2	2.2	3.1	2.7	2.4	3.1	2.7	2.4	3.1	2.7	2.3	3.1	2.7			2.8	2.6			2.5	2.4		
24	1.9	2	2.1	3	2.6	2.3	3	2.6	2.3	3	2.6	2.3	3	2.6	2.3	2.8	2.5			2.2	2.5	2.4		
26	1.8	1.9	1.9	2.8	2.5	2.3	2.8	2.5	2.3	2.9	2.5	2.3	3	2.6	2.3	2.7	2.4			2.2	2.5	2.4		
28				2.7	2.5	2.3	2.7	2.5	2.2	2.7	2.5	2.2	2.9	2.5	2.3	2.8	2.5			2.2	2.4	2.3		
30				2.5	2.4	2.2	2.6	2.4	2.2	2.6	2.4	2.2	2.8	2.5	2.2	2.8	2.4			2.2	2.4	2.3		
32				2.3	2.3	2.2	2.4	2.3	2.2	2.5	2.3	2.2	2.7	2.4	2.2	2.7	2.4			2.2	2.5	2.3		
34				2.2	2.2	2.1	2.3	2.2	2.2	2.4	2.3	2.2	2.6	2.3	2.2	2.4	2.3			2.2	2.3	2.1		
36				2.1	2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.3	2.2	2.3	2.3	2.1			2.3	2.2	2.1		
38				2	1.9	2	2	2	2	2.1	2.1	2.1	2.3	2.3	2.2	2.2	2.1			2.2	2.1	2		
40				1.9	1.9	1.9	1.9	1.9	1.9	2	2	2	2.1	2.2	2.2	2.1	2.1			2.1	2.1	1.9		
42				1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	2	2	2.2	1.8	2			2	1.4	1.8		
44				1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.5	1.8	1.9			1.2	1.5	1.8	
46				1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.6	1.7	1.7			1	1.3	1.5	
48				1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.6	1.7	1.7			0.8	1.1	1.3	
50																					0.9	1	1.2	
52																					0.7	0.8	0.9	
54																					0.7	0.8	0.7	
56																					0.6	0.7	0.7	

TAB 150203 / 150223 / 150243

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