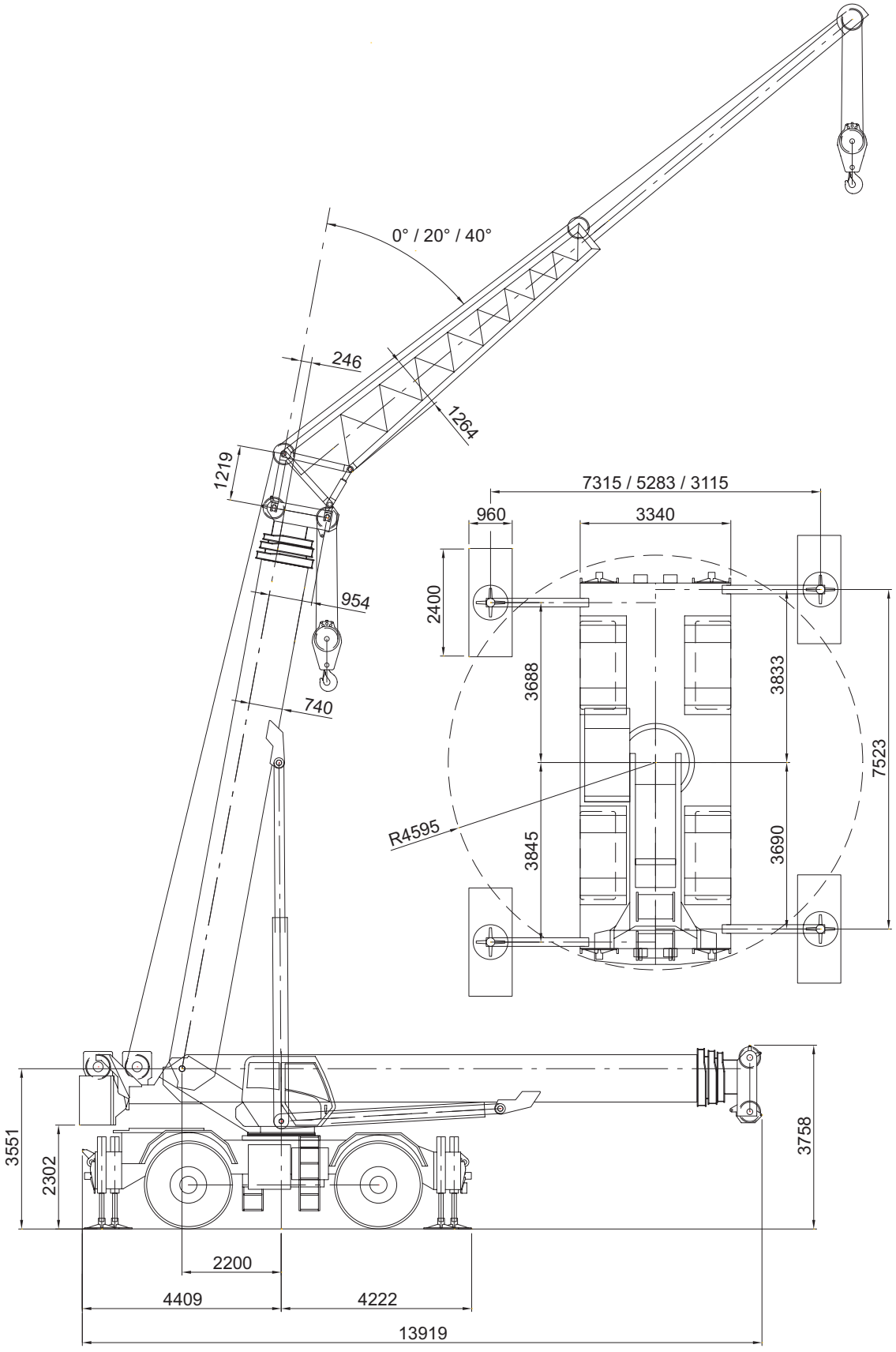
GROVE RT880E

DIMENSIONS



Dimensions are in millimeters.
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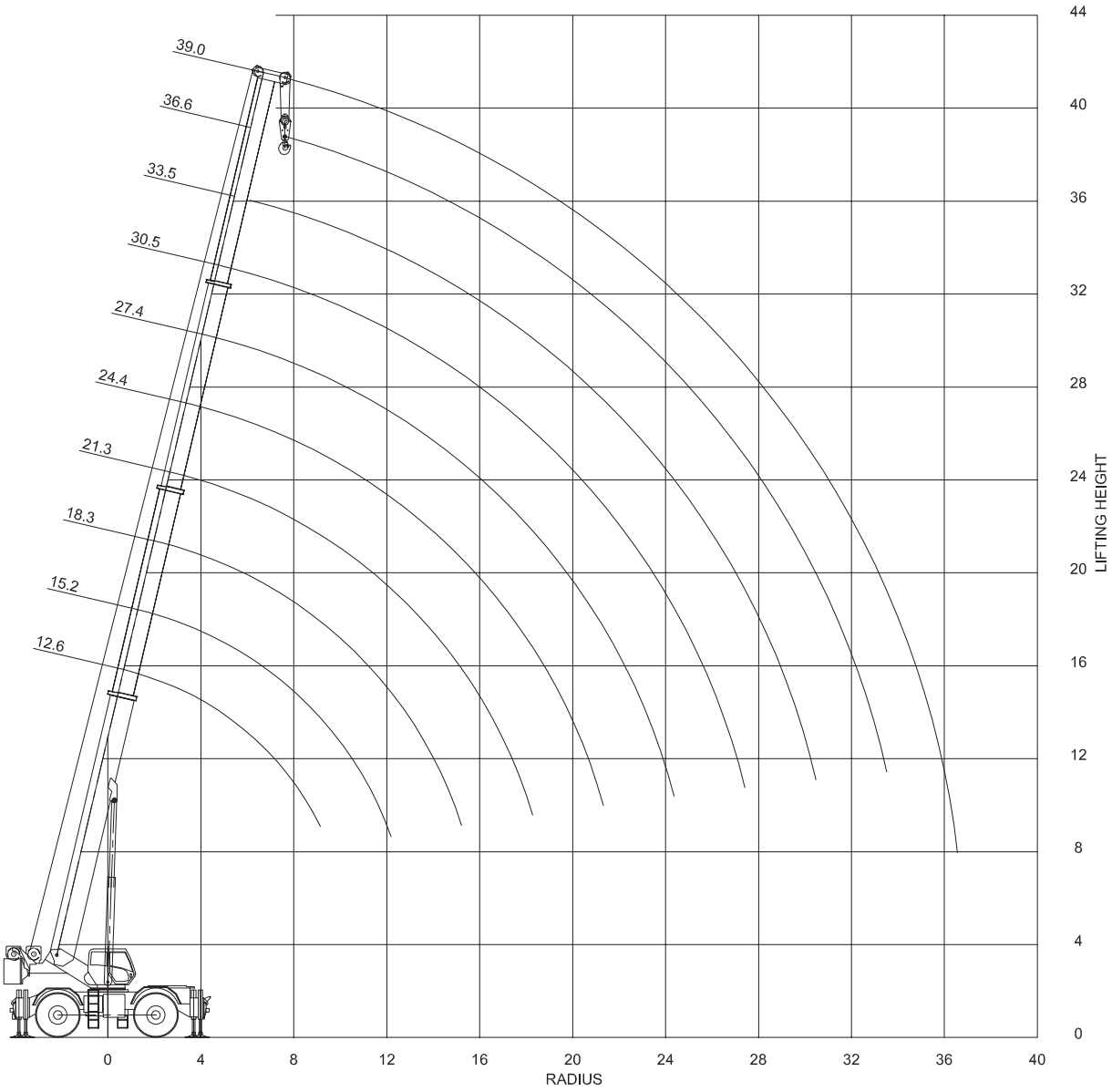
GROVE RT880E

RADIUS DIAGRAM FOR MB



Dimensions are in meters.
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Main boom

- Outrigger base: 7.5×7.3 m
- Ballast 8.2 t

Boom length (m)	Radius (m)																				
	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	28	30	32	34	36
12.6	72.6	64.6	55.1	46.2	40.1	34.1	27.7														
15.2	56.2	56.2	53.2	46	40	33.9	27.3	22.6	15.8												
18.3	47.9	47.6	44.9	39.5	35.4	31.2	26.9	22.5	15.7	11.6											
21.3		27	27	27	26.3	25	22.7	20.7	15.5	11.5	8.7	6.7									
24.4			19.1	19.1	19.1	19.1	19.1	18.1	15.6	12	9.3	7.3	5.8								
27.4			19.1	19.1	19.1	18.7	17.8	16.5	13.9	11.8	9.7	7.7	6.2	5	4						
30.5					18	17.6	16.5	15.2	12.7	10.9	9.4	8	6.5	5.3	4.3	3.5					
33.5					14.5	14.5	14.5	13.8	11.8	10.1	8.7	7.6	6.7	5.5	4.6	3.8	3.1	2.5			
36.6						11.7	11.7	11.7	10.9	9.5	8.2	7.1	6.3	5.5	4.8	4	3.3	2.8	2.3		
39						10	10	10	10	9.2	7.9	6.8	6	5.3	4.7	4.1	3.5	2.9	2.4	2	1.6

Main boom

- Outrigger base: 7.5×5.3 m
- Ballast 8.2 t

Boom length (m)	Radius (m)																				
	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	28	30	32	34	36
12.6	67.4	53.4	42.8	33.6	26	19.8	15.7														
15.2	56.2	52.7	42.3	31.8	24.9	19.3	15.4	12.7	8.7												
18.3	47.9	47.1	41.1	30	23.9	19	15.3	12.6	8.7	6.2											
21.3		27	27	27	22.5	18.1	15	12.4	8.5	6	4.3	3									
24.4			19.1	19.1	19.1	18	15	12.7	9	6.6	4.8	3.6	2.6								
27.4			19.1	19.1	19.1	17.9	15	12.9	9.4	6.9	5.2	3.9	2.9	2.1	1.4						
30.5					18	17.1	14.8	12.8	9.6	7.3	5.6	4.2	3.2	2.4	1.7	1.2					
33.5					14.5	14.5	14.4	12.8	9.7	7.5	5.7	4.4	3.4	2.6	1.9	1.4	0.9	0.5			
36.6						11.7	11.7	11.6	9.6	7.6	5.9	4.6	3.6	2.8	2.2	1.6	1.1	0.8			
39						10	10	10	9.5	7.6	6	4.7	3.7	3	2.3	1.8	1.3	0.9	0.6		

Main boom

- Outrigger base: 7.5×3.2 m
- Ballast 8.2 t

Boom length (m)	Radius (m)																				
	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	28	30	32	34	36
12.6	45	31	22.6	16.9	13.2	10.2	7.9														
15.2	41.3	28.9	21.3	16	12.5	9.8	7.7	6.2	4												
18.3	37.8	26.8	19.9	15	12	9.5	7.6	6.2	3.9	2.4											
21.3		24.6	18.6	14.2	11.3	9	7.2	5.9	3.8	2.2	1.1										
24.4			17.6	14.1	11.4	9.2	7.5	6.2	4.2	2.7	1.7	0.9									
27.4			17.5	14	11.4	9.3	7.7	6.4	4.5	3.1	2	1.2									
30.5					11.4	9.3	7.8	6.6	4.7	3.3	2.3	1.5	0.8								
33.5					11.3	9.3	7.8	6.6	4.8	3.5	2.5	1.7	1								
36.6						9.2	7.8	6.6	4.9	3.6	2.6	1.8	1.2	0.7							
39						9.2	7.7	6.6	4.9	3.6	2.7	1.9	1.3	0.8							

t = metric tons.
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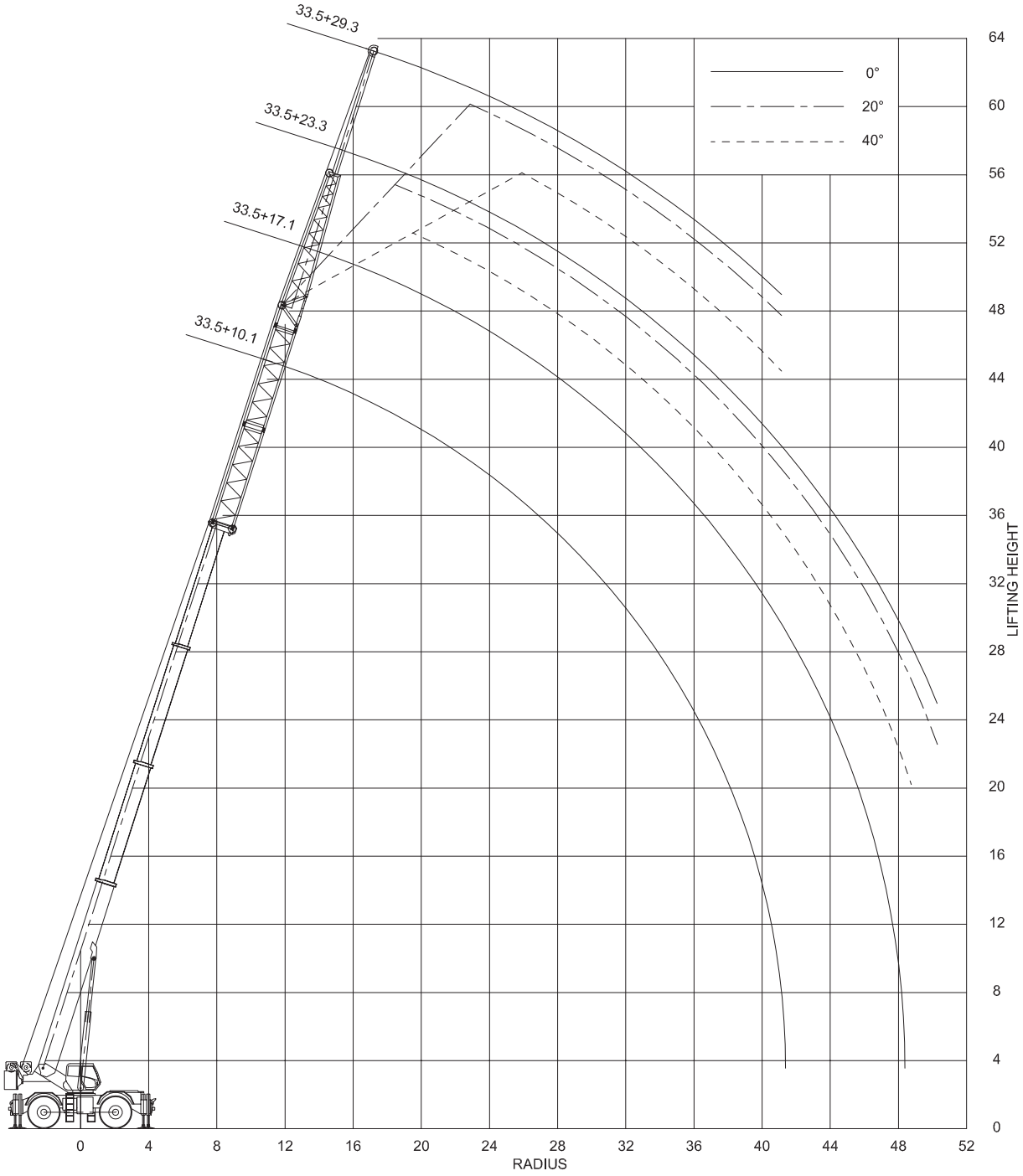
GROVE RT880E

RADIUS DIAGRAM FOR MB+LE



Dimensions are in meters.
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Main boom with fixed jib

- Outrigger base: 7.5×7.3 m
- Ballast 8.2 t

Boom length (m)	Jib length (m)	Jib offset (°)	Radius (m)																				
			10.7	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
12.6	10.1	0	5.4	5.4	5.4	5.4	5.1	4.5	4	3.6	3.3	3	2.7	2.5	2.3	2	1.7	1.4	1.1	0.9			
		20			5.3	4.6	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2	1.8	1.5	1.2				
		40				4.1	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2	1.9							
	17.1	0			2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.7	0.5
		20						2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1	1	0.8	
		40							2.2	2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1				
	23.2	0				2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5
		20						2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	0.5
		40									1.6	1.4	1.3	1.2	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	
	29.3	0					1.6	1.6	1.6	1.6	1.5	1.3	1.1	1	0.8	0.7	0.6	0.5					
		20								1.6	1.4	1.2	1.1	1	0.8	0.7	0.6	0.5					
		40									1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.6					
15.2	10.1	0	5.4	5.4	5.4	5.4	5.1	4.5	4	3.6	3.3	3	2.7	2.5	2.3	2	1.7	1.4	1.1	0.9			
		20			5.3	4.6	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2	1.8	1.5	1.2				
		40				4.1	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2	1.9							
	17.1	0			2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.7	0.5
		20						2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1	1	0.8	
		40							2.2	2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1				
	23.2	0				2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5
		20						2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	0.5
		40									1.6	1.4	1.3	1.2	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	
	29.3	0					1.6	1.6	1.6	1.6	1.5	1.3	1.1	1	0.8	0.7	0.6	0.5					
		20								1.6	1.4	1.2	1.1	1	0.8	0.7	0.6	0.5					
		40									1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.6					
18.3	10.1	0	5.4	5.4	5.4	5.4	5.1	4.5	4	3.6	3.3	3	2.7	2.5	2.3	2	1.7	1.4	1.1	0.9			
		20			5.3	4.6	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2	1.8	1.5	1.2				
		40				4.1	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2	1.9							
	17.1	0			2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.7	0.5
		20						2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1	1	0.8	
		40							2.2	2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1				
	23.2	0				2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5
		20						2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	0.5
		40									1.6	1.4	1.3	1.2	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	
	29.3	0					1.6	1.6	1.6	1.6	1.5	1.3	1.1	1	0.8	0.7	0.6	0.5					
		20								1.6	1.4	1.2	1.1	1	0.8	0.7	0.6	0.5					
		40									1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.6					
21.3	10.1	0	5.4	5.4	5.4	5.4	5.1	4.5	4	3.6	3.3	3	2.7	2.5	2.3	2	1.7	1.4	1.1	0.9			
		20			5.3	4.6	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2	1.8	1.5	1.2				
		40				4.1	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2	1.9							
	17.1	0			2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.7	0.5
		20						2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1	1	0.8	
		40							2.2	2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1				
	23.2	0				2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5
		20						2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	0.5
		40									1.6	1.4	1.3	1.2	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	
	29.3	0					1.6	1.6	1.6	1.6	1.5	1.3	1.1	1	0.8	0.7	0.6	0.5					
		20								1.6	1.4	1.2	1.1	1	0.8	0.7	0.6	0.5					
		40									1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.6					

t = metric tons.
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GROVE RT880E

LOAD TABLE FOR MB+LE

Boom length (m)	Jib length (m)	Jib offset (°)	Radius (m) 10.7	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
24.4	10.1	0	5.4	5.4	5.4	5.4	5.1	4.5	4	3.6	3.3	3	2.7	2.5	2.3	2	1.7	1.4	1.1	0.9			
		20			5.3	4.6	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2	1.8	1.5	1.2				
		40				4.1	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2	1.9							
	17.1	0			2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.7	0.5
		20						2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1	1	0.8	
		40							2.2	2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1				
	23.2	0				2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5
		20						2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	0.5
		40									1.6	1.4	1.3	1.2	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	
	29.3	0					1.6	1.6	1.6	1.6	1.5	1.3	1.1	1	0.8	0.7	0.6	0.5					
		20								1.6	1.4	1.2	1.1	1	0.8	0.7	0.6	0.5					
		40									1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.6					
27.4	10.1	0	5.4	5.4	5.4	5.4	5.1	4.5	4	3.6	3.3	3	2.7	2.5	2.3	2	1.7	1.4	1.1	0.9			
		20			5.3	4.6	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2	1.8	1.5	1.2				
		40				4.1	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2	1.9							
	17.1	0			2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.7	0.5
		20						2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1	1	0.8	
		40							2.2	2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1				
	23.2	0				2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5
		20						2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	0.5
		40									1.6	1.4	1.3	1.2	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	
	29.3	0					1.6	1.6	1.6	1.6	1.5	1.3	1.1	1	0.8	0.7	0.6	0.5					
		20								1.6	1.4	1.2	1.1	1	0.8	0.7	0.6	0.5					
		40									1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.6					
30.5	10.1	0	5.4	5.4	5.4	5.4	5.1	4.5	4	3.6	3.3	3	2.7	2.5	2.3	2	1.7	1.4	1.1	0.9			
		20			5.3	4.6	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2	1.8	1.5	1.2				
		40				4.1	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2	1.9							
	17.1	0			2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.7	0.5
		20						2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1	1	0.8	
		40							2.2	2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1				
	23.2	0				2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5
		20						2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	0.5
		40									1.6	1.4	1.3	1.2	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	
	29.3	0					1.6	1.6	1.6	1.6	1.5	1.3	1.1	1	0.8	0.7	0.6	0.5					
		20								1.6	1.4	1.2	1.1	1	0.8	0.7	0.6	0.5					
		40									1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.6					
33.5	10.1	0	5.4	5.4	5.4	5.4	5.1	4.5	4	3.6	3.3	3	2.7	2.5	2.3	2	1.7	1.4	1.1	0.9			
		20			5.3	4.6	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.1	2	1.8	1.5	1.2				
		40				4.1	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2	1.9							
	17.1	0			2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.7	0.5
		20						2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1	1	0.8	
		40							2.2	2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1				
	23.2	0				2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.1	1	0.9	0.8	0.7	0.6	0.6	0.5
		20						2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	0.5
		40									1.6	1.4	1.3	1.2	1.1	1	0.9	0.8	0.7	0.7	0.6	0.5	
	29.3	0					1.6	1.6	1.6	1.6	1.5	1.3	1.1	1	0.8	0.7	0.6	0.5					
		20								1.6	1.4	1.2	1.1	1	0.8	0.7	0.6	0.5					
		40									1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.6					

t = metric tons.
The content in this document is mentioned for reference use only. Values may differ from current data. Always contact Mammoet for current project calculations.