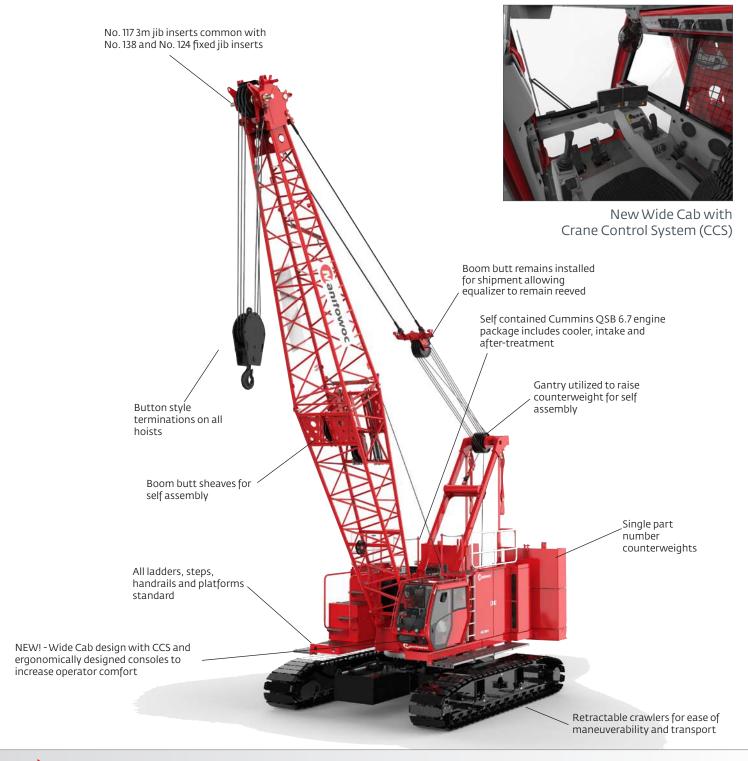


MLC100-1

Maximum capacity: 110 USt (100 t)

Maximum load moment: 2679 ft-kips (370.5 t-m)

Maximum boom length: 200 ft (61 m) Maximum fixed jib length: 60 ft (18,3 m)



Benefits

Optimized transport and disassembly

- Boom mounted sheaves allow for self-assembly without boom top
- Boom butt ships with machine allowing for equalizer to remain reeved for quicker assembly on site

Outstanding operator comfort and control

- New wide body cab provides more interior space
- Platforms, hand rails, steps and ladder to access all points of machine
- CCS (Crane Control System) with dual RCL and Crane Display screen to maximize operator interface

New Wide Cab

- 10% more interior space for operator
- · Full high back seat with headrest and moveable riser supports operator comfortably
- Utilizes Crane Control System (CCS)
- · Storage shelving located in the rear of the cab
- · Redesigned consoles providing more legroom
- Swing and travel alarms ensure maximum operator awareness
- Left side console rotates for improved egress
- Six-way electric seat riser

Self-Assembly

- Gantry raised counterweight reduces components and maintenance
- Boom butt mounted sheaves allow for reeving assembly hook without installing boom top
- Additional boom butt mounted sheave allows for carbody counterweight installation without outside assist
- Button style wire rope terminations for easy reeving

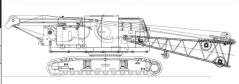
Transport

- Designed to be transported with minimal permitted loads
- Increased hook height allows for complete self-assembly with various trailer heights

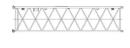
Serviceability and support

- Elimination of wireless components to reduce complexity for increased reliability
- Cummins engine, cooler, air cleaner and after treatment package allows for better serviceability
- Crane Control System (CCS) allows for troubleshooting through the control system
- Codes can be cross referenced through the Manitowoc diagnostics code app
- Supported by Manitowoc's world class dealer network

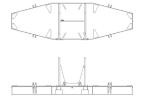
Rotating Bed w/ Boom **Butt** Height 11'2" Length 42' 4" Width 11' 8" 91,500 lb Weight



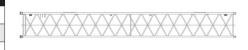
6 m No. 290 Boom Insert				
Height	4' 7"			
Length	20' 0"			
Width	5' 3"			
Weight	1200 lb			



Counterweight Tray				
Height	4' 5"			
Length	14' 7"			
Width	4' 5"			
Weight	17,700 lb			



12 m No. 290 Boom Insert				
Height	4' 7"			
Length	39' 8"			
Width	5' 3"			
Weight	2100 lb			



Opper Counterweight				
Height	3' 11"			
Length	4' 10"			
Width	4' 3"			
Weight	13,800 lb			



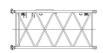
Weight	13,800 lb				
Lower Co	ounterweight				
Height	2' 5"				
Length	5' 11"				



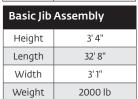
Lower Counterweight				
Height	2' 5"			
Length	5' 11"			
Width	3' 7"			
Weight	11,600 lb			



3 m No. 290 Boom Insert				
Height	4' 7"			
Length	10' 2"			
Width	5' 3"			
Weight	700 lb			



7 m No. 290 Boom Top				
Height	4' 11"			
Length	24' 7"			
Width	5' 3"			
Weight	3200 lb			



3 m Fixed jib insert				
Height	1'10"			
Length	10' 2"			
Width	2' 6"			
Weight	170 lb			







Capacities

Main boom

B10:290 boom

73,000 lb upper counterweight, 23,100 lb carbody counterweight

Radius	180	200
12 220.5	180	200
14 188.2 <th></th> <th></th>		
16 166.5 166.5 18 148.2 147.8 142.8 142.8 142.8 142.8 142.8 143.3 126.9 16.1 114.5 105.9 16.2 116.1 114.5 105.9 16.2 116.1 114.5 105.9 16.2 116.1 114.5 105.9 16.2 116.1 114.5 105.9 16.2 116.1 114.5 105.9 16.2 116.1 114.5 105.9 16.2 16.1 114.5 105.9 16.2 16.1 101.6 101.4 96.1 16.6 16.4 16.1 101.4 96.1 16.2 16.1 101.6 101.4 96.1 16.2 16.3 101.4 96.1 16.2 16.3 101.4 96.1 16.0 60.8 60.6 60.4 40.8 80.7 80.5 80.4 77.8 77.6 62.9 30.5 80.4 77.8 77.7 62.9 30.5 80.4 77.8 79.7 70.7 62.9 30.5 80.5 <td></td> <td></td>		
18 148.2 147.8 142.8		
20 133.8 133.4 133.3 126.9		
22 115.7 115.9 116.2 116.1 114.5 105.9		
24 101.3 101.4 101.6 101.6 101.5 101.4 96.1 26 89.9 90.0 90.2 90.0 89.9 89.8 87.4		
26 89.9 90.0 90.2 90.2 90.0 89.9 89.8 87.4 88.8 88.4 77.8 88.8 88.7 88.8 88.4 77.8 77.8 78.3 78.2 73.1 72.9 72.8 72.6 70.7 62.9 62.9 63.4 61.5 61.5 61.6 61.6 61.4 61.3 61.1 61.0 60.8 60.6 60.4 60.4 63.8 52.8 52.9 52.9 52.7 52.6 52.4 52.2 52.1 51.9 51.7 42 42.3 46.1 46.3 46.2 46.0 45.9 45.7 45.5 45.3 45.1 44.9 44.9 46.4 40.2 40.0 39.8 39.6 50 36.5 36.6 36.6 36.4 36.2 36.0 35.9 35.7 35.5 35.3 35.3 31.1 30.9 30.9 36.0 38.2 38.0 28.2 28.3 28.1 28.0 27.7 27.5<		
28 80.7 80.8 81.0 80.9 80.8 80.7 80.5 80.4 77.8 4 30 73.2 73.2 73.4 73.3 73.2 73.1 72.9 72.8 72.6 70.7 62.9 34 61.5 61.5 61.6 61.6 61.4 61.3 61.1 61.0 60.8 60.6 60.4 38 52.8 52.8 52.9 52.9 52.7 52.6 52.4 52.2 52.1 51.9 51.7 42 42.3 46.1 46.3 46.2 46.0 45.9 45.7 45.5 45.3 45.1 44.9 46 40.8 41.0 40.9 40.7 40.6 40.4 40.2 40.0 39.8 39.6 50 36.5 36.6 36.6 36.4 36.2 36.0 35.9 35.7 35.5 35.3 55 32.1 32.3 32.2 32.0 31.9 31.7 31.5 31.3 31.1 30.9 60 28.6 28.7		
30 73.2 73.4 73.3 73.2 73.1 72.9 72.8 72.6 70.7 62.9 34 61.5 61.5 61.6 61.6 61.4 61.3 61.1 61.0 60.8 60.6 60.4 38 52.8 52.8 52.9 52.9 52.7 52.6 52.4 52.2 52.1 51.9 51.7 42 42.3 46.1 46.3 46.2 46.0 45.9 45.7 45.5 45.3 45.1 44.9 46 40.8 41.0 40.9 40.7 40.6 40.4 40.2 40.0 39.8 39.6 50 36.5 36.6 36.6 36.4 36.2 36.0 35.9 35.7 35.5 35.3 55 32.1 32.3 32.2 32.0 31.9 31.7 31.5 31.3 31.1 30.9 60 28.6 28.7 28.7 28.5 28.3 28.1		
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38 52.8 52.9 52.9 52.7 52.6 52.4 52.2 52.1 51.9 51.7 42 42.3 46.1 46.3 46.2 46.0 45.9 45.7 45.5 45.3 45.1 44.9 46 40.8 41.0 40.9 40.7 40.6 40.4 40.2 40.0 39.8 39.6 50 36.5 36.6 36.6 36.4 36.2 36.0 35.9 35.7 35.5 35.3 55 32.1 32.3 32.2 32.0 31.9 31.7 31.5 31.3 31.1 30.9 60 28.6 28.7 28.7 28.5 28.3 28.1 28.0 27.7 27.5 27.3 65 25.8 25.8 25.5 25.4 25.2 25.0 24.8 24.6 24.4 70 23.3 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9		
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46 40.8 41.0 40.9 40.7 40.6 40.4 40.2 40.0 39.8 39.6 50 36.5 36.6 36.6 36.4 36.2 36.0 35.9 35.7 35.5 35.3 55 32.1 32.3 32.2 32.0 31.9 31.7 31.5 31.3 31.1 30.9 60 28.6 28.7 28.7 28.5 28.3 28.1 28.0 27.7 27.5 27.3 65 25.8 25.8 25.5 25.4 25.2 25.0 24.8 24.6 24.4 70 23.3 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9 75 21.2 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 80 19.4 19.4 19.2 19.0 18.8 18.6 18.4 18.2 17.9 85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90	44.7	38.3
50 36.5 36.6 36.6 36.4 36.2 36.0 35.9 35.7 35.5 35.3 55 32.1 32.3 32.2 32.0 31.9 31.7 31.5 31.3 31.1 30.9 60 28.6 28.7 28.7 28.5 28.3 28.1 28.0 27.7 27.5 27.3 65 25.8 25.8 25.5 25.4 25.2 25.0 24.8 24.6 24.4 70 23.3 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9 75 21.2 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 80 19.4 19.4 19.2 19.0 18.8 18.6 18.4 18.2 17.9 85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90 16.4 16.2 16.0 <	43.2	37.4
55 32.1 32.3 32.2 32.0 31.9 31.7 31.5 31.3 31.1 30.9 60 28.6 28.7 28.7 28.5 28.3 28.1 28.0 27.7 27.5 27.3 65 25.8 25.8 25.5 25.4 25.2 25.0 24.8 24.6 24.4 70 23.3 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9 75 21.2 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 80 19.4 19.4 19.2 19.0 18.8 18.6 18.4 18.2 17.9 85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 95 14.9 14.8 14.5 14.4 14.2 <	39.2	36.4
60 28.6 28.7 28.7 28.5 28.3 28.1 28.0 27.7 27.5 27.3 65 25.8 25.8 25.5 25.4 25.2 25.0 24.8 24.6 24.4 70 23.3 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9 75 21.2 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 80 19.4 19.4 19.2 19.0 18.8 18.6 18.4 18.2 17.9 85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 95 14.9 14.8 14.5 14.4 14.2 14.0 13.7 100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 10.7	34.9	34.4
65 25.8 25.8 25.5 25.4 25.2 25.0 24.8 24.6 24.4 70 23.3 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9 75 21.2 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 80 19.4 19.4 19.2 19.0 18.8 18.6 18.4 18.2 17.9 85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 95 14.9 14.8 14.5 14.4 14.2 14.0 13.7 100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 10.7 10.6 10.4 10.2 <th< td=""><td>30.5</td><td>29.9</td></th<>	30.5	29.9
70 23.3 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9 75 21.2 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 80 19.4 19.4 19.2 19.0 18.8 18.6 18.4 18.2 17.9 85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 95 14.9 14.8 14.5 14.4 14.2 14.0 13.7 100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 11.5 11.4 11.2 11.0 10.7 115 11.4 11.2 11.0 10.7 115 11.4 10.2 9.	26.9	26.4
75 21.2 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 80 19.4 19.4 19.2 19.0 18.8 18.6 18.4 18.2 17.9 85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 95 14.9 14.8 14.5 14.4 14.2 14.0 13.7 100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 11.5 11.4 11.2 11.0 10.7 115 11.4 10.2 9.9	23.9	23.4
80 19.4 19.4 19.2 19.0 18.8 18.6 18.4 18.2 17.9 85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 95 14.9 14.8 14.5 14.4 14.2 14.0 13.7 100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 11.5 11.4 11.2 11.0 10.7 115 10.7 10.6 10.4 10.2 9.9	21.5	20.9
85 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 90 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 95 14.9 14.8 14.5 14.4 14.2 14.0 13.7 100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 11.5 11.4 11.2 11.0 10.7 115 10.7 10.6 10.4 10.2 9.9	19.4	18.8
90 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 95 14.9 14.8 14.5 14.4 14.2 14.0 13.7 100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 11.5 11.4 11.2 11.0 10.7 115 10.7 10.6 10.4 10.2 9.9	17.5	17.0
95 14.9 14.8 14.5 14.4 14.2 14.0 13.7 100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 11.5 11.4 11.2 11.0 10.7 115 10.7 10.6 10.4 10.2 9.9	15.9	15.4
100 13.7 13.4 13.3 13.1 12.9 12.6 105 12.7 12.4 12.3 12.1 11.9 11.6 110 11.5 11.4 11.2 11.0 10.7 115 10.7 10.6 10.4 10.2 9.9	14.5	14.0
105 12.7 12.4 12.3 12.1 11.9 11.6 110 11.5 11.4 11.2 11.0 10.7 115 10.7 10.6 10.4 10.2 9.9	13.3	12.7
110 11.5 11.4 11.2 11.0 10.7 115 10.7 10.6 10.4 10.2 9.9	12.2	11.6
115 10.7 10.6 10.4 10.2 9.9	11.2	10.6
	10.3	9.7
120 9.9 9.6 9.4 9.2	9.5	8.9
	8.8	8.2
125 9.2 8.9 8.7 8.5	8.1	7.5
130 8.3 8.1 7.9	7.4	6.9
135 7.7 7.5 7.3	6.9	6.3
140 7.0 6.8	6.3	5.8
145 6.5 6.3	5.8	5.3
150 5.8	5.4	4.8
155	4.9	4.4
160	4.5	4.0
165	4.1	

PRELIMINARY - Capacities

FJ10:117 fixed jib on B10:290 boom

73,000 lb upper counterweight, 23,100 lb carbody counterweight

360° | lb x 1000

30 ft jib a	at 10° offse	et			
Radius	Boom Length (ft)				
(ft)	62	92	121	151	180
26	25.0				
30	25.0				
34	25.0	25.0			
38	25.0	25.0	25.0		
42	25.0	25.0	25.0	25.0	
46	25.0	25.0	25.0	25.0	25.0
50	25.0	25.0	25.0	25.0	24.9
60	25.0	25.0	25.0	25.0	24.4
70	24.0	23.5	22.8	22.2	21.6
80	20.0	19.5	18.8	18.2	17.6
90	17.0	16.5	15.8	15.2	14.5
100		14.1	13.4	12.8	12.2
110		12.2	11.5	10.9	10.2
120		10.6	9.9	9.3	8,6
130			8.6	8.0	7.3
140			7.4	6.8	6.2
150				5.9	5.2
160				5.0	4.3
170	//)/	4.0	3.5

50 ft jib at 10° offset					
Radius	Boom Length (ft)				
(ft)	62	92	121	151	180
34	19.9				
38	19.5	19.7			
42	19.2	19.5			
46	18.9	19.2	19.2		
50	18.6	19.0	19.0	18.7	
60	17.9	18.5	18.6	18.4	17.8
70	16.5	18.0	18.3	18.2	17.6
80	14.5	17.6	18.0	17.9	17.4
90	13.0	17.0	16.3	15.7	15.1
100	11.8	14.6	13.9	13.3	12.7
110	11.1	12.7	12.0	11.4	10.7
120		11.1	10.4	9.8	9.1
130		9.7	9.1	8.4	7.8
140		8.6	7.9	7.3	6.6
150			6.9	6.3	5.6
160			6.0	5.4	4.7
170				4.7	4.0
180				3.9	3.3

40 ft jib at 10° offset								
Radius (ft)	Boom Length (ft)							
	62	92	121	151	180			
30	23.2							
34	22.8							
38	22.4	22.8						
42	22.0	22.5	22.4					
46	21.7	22.2	22.3	21.9				
50	21.3	21.9	22.1	21.8	21.0			
60	20.7	21.4	21.7	21.5	20.8			
70	19.2	20.9	21.3	21.2	20.5			
80	17.1	19.8	19.2	18.6	18.0			
90	15.5	16.8	16:1	15.5	14.9			
100	14.6	14,4	13.7	13.1	12.5			
110 //		12.5	11.8	11.2	10.5			
120	7 1	10.9	10.2	9.6	8.9			
130		9.5	8.8	8.2	7.6			
140			7.7	7.1	6.4			
150			6.7	6.1	5.4			
160				5.2	4.6			
170				4.5	3.8			
180				3.4	3.0			

60 ft jib at 10° offset								
Radius (ft)								
	62	92	121	151	180			
38	17.5							
42	17.2	17.3						
46	16.9	17.1	16.9					
50	16.6	16.8	16.8	16.4				
60	15.9	16.4	16.4	16.1	15.4			
70	15.3	15.9	16.0	15.9	15.3			
80	13.3	15.4	15.7	15.7	15.1			
90	11.7	15.0	15.4	15.4	14.9			
100	10.5	14.7	14.1	13.5	12.8			
110	9.6	12.8	12.2	11.5	10.9			
120	9.0	11.2	10.6	9.9	9.3			
130		9.9	9.2	8.6	7.9			
140		8.7	8.1	7.4	6.7			
150		7.7	7.1	6.4	5.8			
160			6.2	5.6	4.9			
170			5.4	4.8	4.1			
180				4.1	3.4			
190				3.3				

