



## MLC250

### Preliminary Product Guide

ASME B30.5  
Imperial



## Features

- 275 USt capacity
- 8268 ft-kips maximum load moment
- 290 ft No. 82A main boom
- 80 ft No. 134 fixed jib
- 240 ft No. 149 luffing jib
- 340 hp Tier 4 Final / Stage V engine

# MANITOWOC MLC250

The MLC250 provides a broad range of features that will undoubtedly be translated into jobsite benefits that increase productivity and save money.

## Features

### > Comfortable Cab Design

- 10% more legroom 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
- Left side console rotates for improved egress
- Six-way electric seat riser/slider
- Common with the MLC100-1 and MLC150-1
- Tilt cab option available
- Vision cab option available



### > Efficient Self-Assembly

- Gantry raised counterweight reduces components and maintenance
- Button style wire rope terminations for easy reeving
- Steel straps provide easy assembly and storage of boom suspension
- FACT- Fast Aligning Connection Technology aligns boom connectors during boom assembly



## Job site benefits

### Transport and Assembly

- Designed to be transported with minimal permitted loads
- Adequate hook height allows for complete self-assembly with various trailer heights
- Steel straps reduce time and effort of assembly boom suspension
- FACT connectors on boom allow for quick and easy boom assembly without the need to install top boom connector pins

### 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 in the cab
- Codes can be cross referenced through the Manitowoc diagnostics code app
- Supported by Manitowoc's world class dealer network

What you need, when you need it.

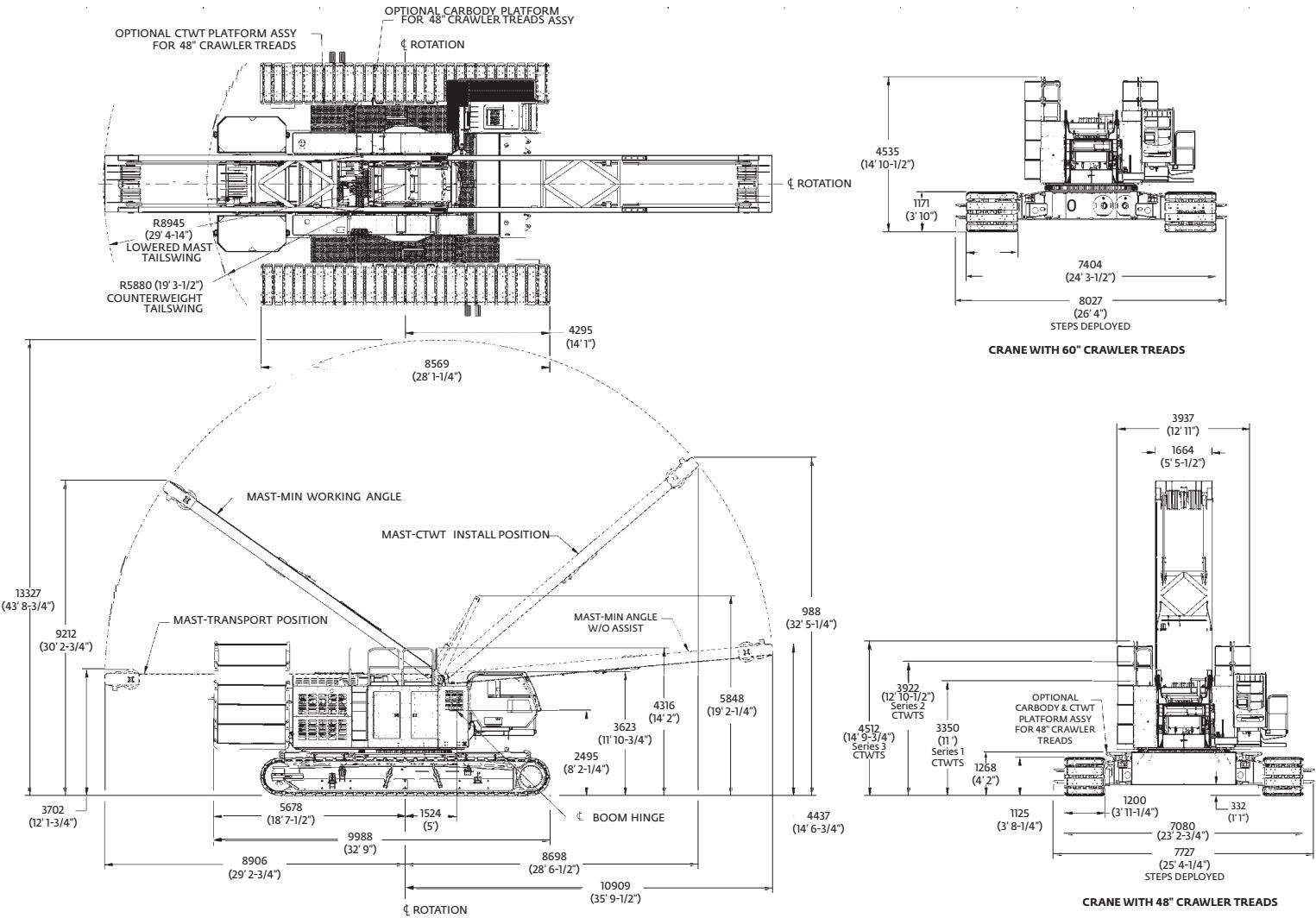
**Get right to work with the right equipment** — Manitowoc Finance gives you access to flexible, affordable financing you can use to seize profitable new opportunities as they arise.

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# Outline dimensions



# Transportation Data

Load summary															
Item	290 ft B10:82A Boom and 80 ft No.134 Fixed Jib														
	Qty	lb	1	2	3	4	5	6	7	8	9	10	11	12	13
No. 999 Basic crane	1	95,500	1												
Crawler assembly	2	43,260		1	1										
Counterweight tray	1	21,050						1							
Upper center counterweight	1	23,500						1							
Upper side counterweight	10	17,500				1	1		2	2	2	1	1		
Inner carbody counterweight	2	22,000											1	1	
Outer carbody counterweight	2	18,000											1	1	
9,1 m (30') No. 82A Boom butt	1	10,825			1										
12,2 m (40') No. 82A Boom top	1	12,365				1									
3,0 m (10') No. 82 Boom insert	1	2,140											1		
6,1 m (20') No. 82 Boom insert	1	3,080												1	
12,2 m (40') No. 82 Boom Insert	5	5,360							1	1	1	1	1		
10,0 m (30') No. 134 Jib & strut	1	2,620												1	
3,0 m (10') No. 134 Jib insert	1	480		1											
6,1 m (20') No. 134 Jib Insert	2	750		1	1										
200 mton (220 ton) Hook block	1	5,300											1		
41 mton (45 ton) Self-assembly block	1	2,650											1		
13,6 mton (15 ton) Weight ball	1	1,310											1		
Detachable Upper Boom Point	1	700											1		
Miscellaneous	2	4,000			1	1									
<b>Load weight per trailer (lb)</b>			95,500	44,490	44,010	32,325	33,865	44,550	40,360	40,360	40,360	22,860	32,820	44,760	43,080

# Performance data

Front and Rear Drum Linespeed					
Single linepull (lb)	Single Line Speed				
	Layer				
1	2	3	4	5	
0	374	400	427	453	480
5,000	364	388	413	438	463
10,000	353	377	400	423	437
15,000	295	297	298	300	302
20,000	227	229	230	232	234
25,000	186	188	190	191	193
29,600	161	163	164	166	168

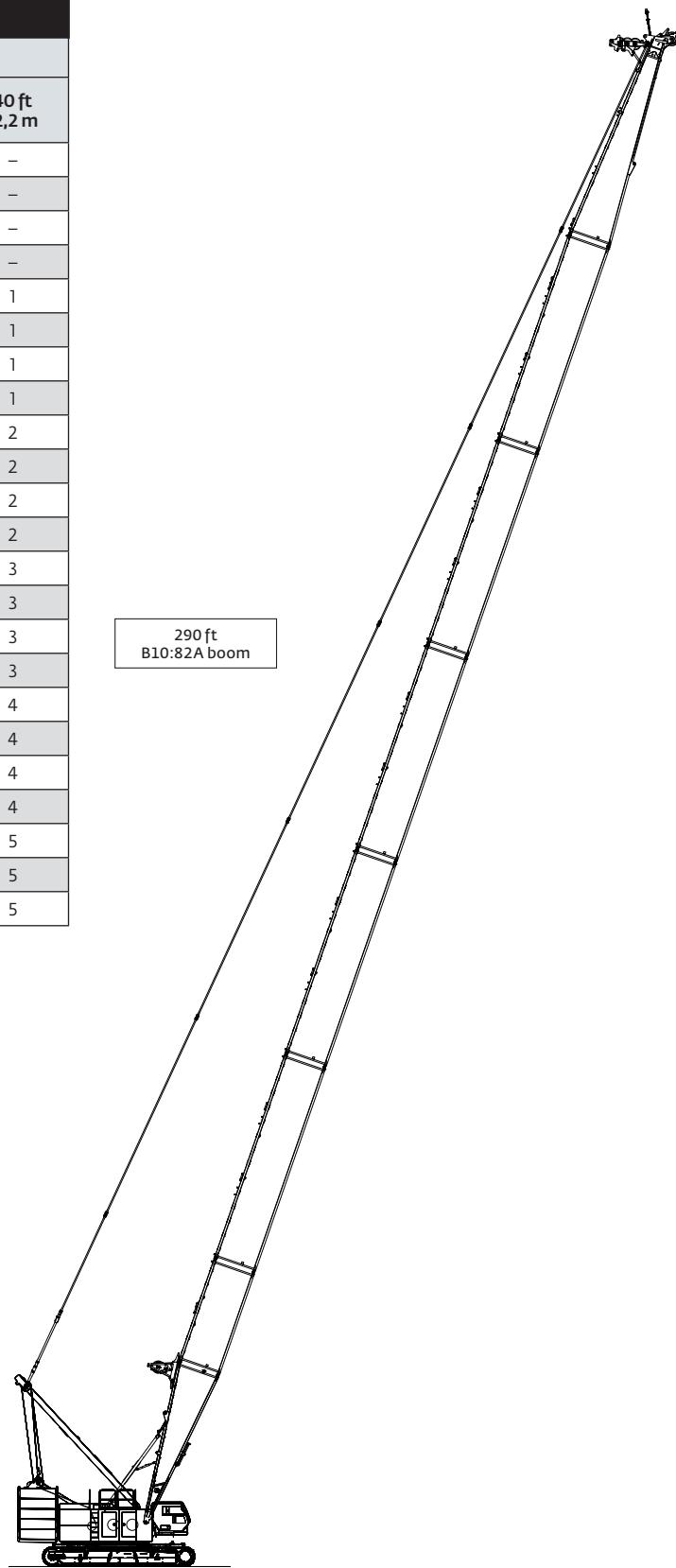
Third Drum Linespeed					
Single line pull lb	Single Line Speed				
	Layer				
1	2	3	4		
0	307	341	374	407	
5,000	298	329	360	391	
8,000	293	323	352	382	
11,000	287	305	308	311	
14,000	243	246	249	252	
17,000	205	208	211	213	
20,000	178	181	184	187	

Front and Rear Drum Hoist Reaving	
Parts of line	Max load (lb)
1	29,500
2	59,000
3	88,500
4	118,000
5	147,500
6	177,000
7	206,500
8	236,000
9	265,500
10	295,000
11	324,500
12	354,000
13	383,500
14	413,000
15	442,500
16	500,000

Third Drum Hoist Reaving	
Parts of line	Max Load (lb)
1	20,000
2	40,000

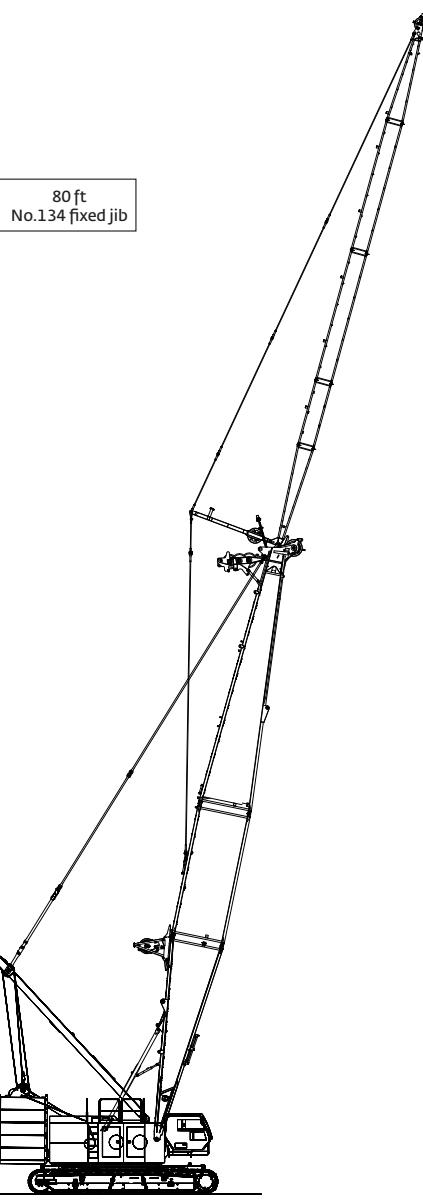
# Boom combinations

B10:82A boom combinations					
Boom length		Boom inserts			
ft	m	10 ft 3,0 m	20 ft 6,1 m	40 ft 12,2 m	
70	21,3	—	—	—	
80	24,4	1	—	—	
90	27,4	—	1	—	
100	30,5	1	1	—	
110	33,5	—	—	1	
120	36,6	1	—	1	
130	39,6	—	1	1	
140	42,7	1	1	1	
150	45,7	—	—	2	
160	48,8	1	—	2	
170	51,8	—	1	2	
180	54,9	1	1	2	
190	57,9	—	—	3	
200	61,0	1	—	3	
210	64,0	—	1	3	
220	67,1	1	1	3	
230	70,1	—	—	4	
240	73,2	1	—	4	
250	76,2	—	1	4	
260	79,2	1	1	4	
270	82,3	—	—	5	
280	85,3	1	—	5	
290	88,4	—	1	5	

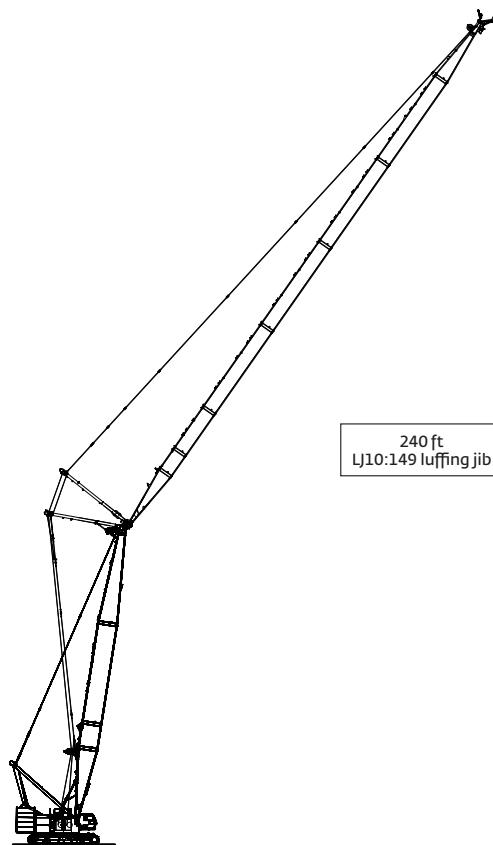


# Boom combinations

No. 134 fixed jib combinations			
Jib length		Fixed jib inserts	
ft	m	10 ft 3,0 m	20 ft 6,1 m
30	9,1	–	–
40	12,2	1	–
50	15,2	–	1
60	18,3	1	1
70	21,3	–	2
80	24,4	1	2

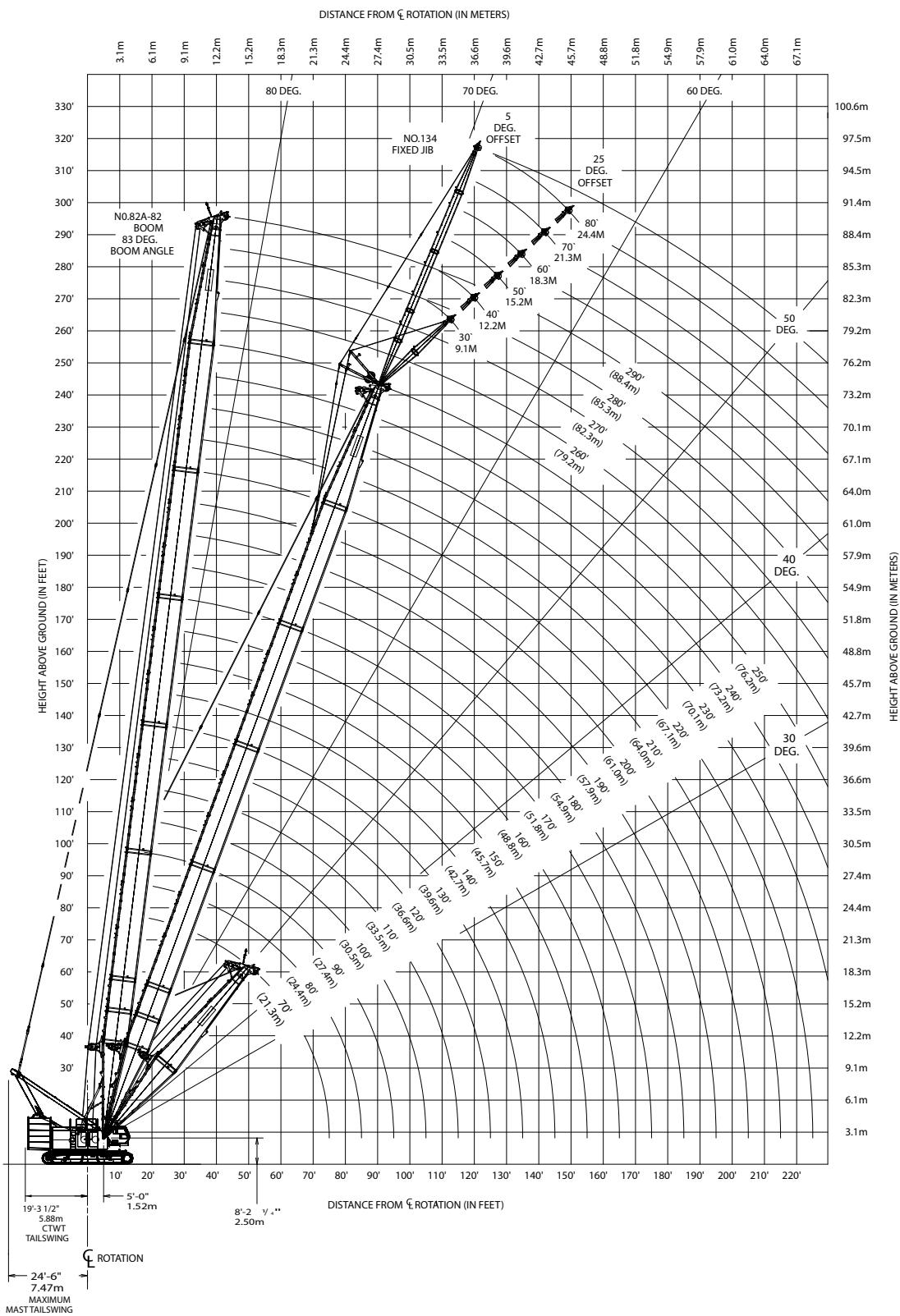


LJ10:149 luffing jib combinations				
Boom length		Luffing jib inserts		
ft	m	10 ft 3,0 m	20 ft 6,1 m	40 ft 12,2 m
70	21,3	–	1	–
80	24,4	1	1	–
90	27,4	–	–	1
100	30,5	1	–	1
110	33,5	–	1	1
120	36,6	1	1	1
130	39,6	–	–	2
140	42,7	1	–	2
150	45,7	–	1	2
160	48,8	1	1	2
170	51,8	–	–	3
180	54,9	1	–	3
190	57,9	–	1	3
200	61,0	1	1	3
210	64,0	–	–	4
220	67,1	1	–	4
230	70,1	–	1	4
240	73,2	1	1	4



# Main boom range diagram

B10:350 boom



# Main boom load chart

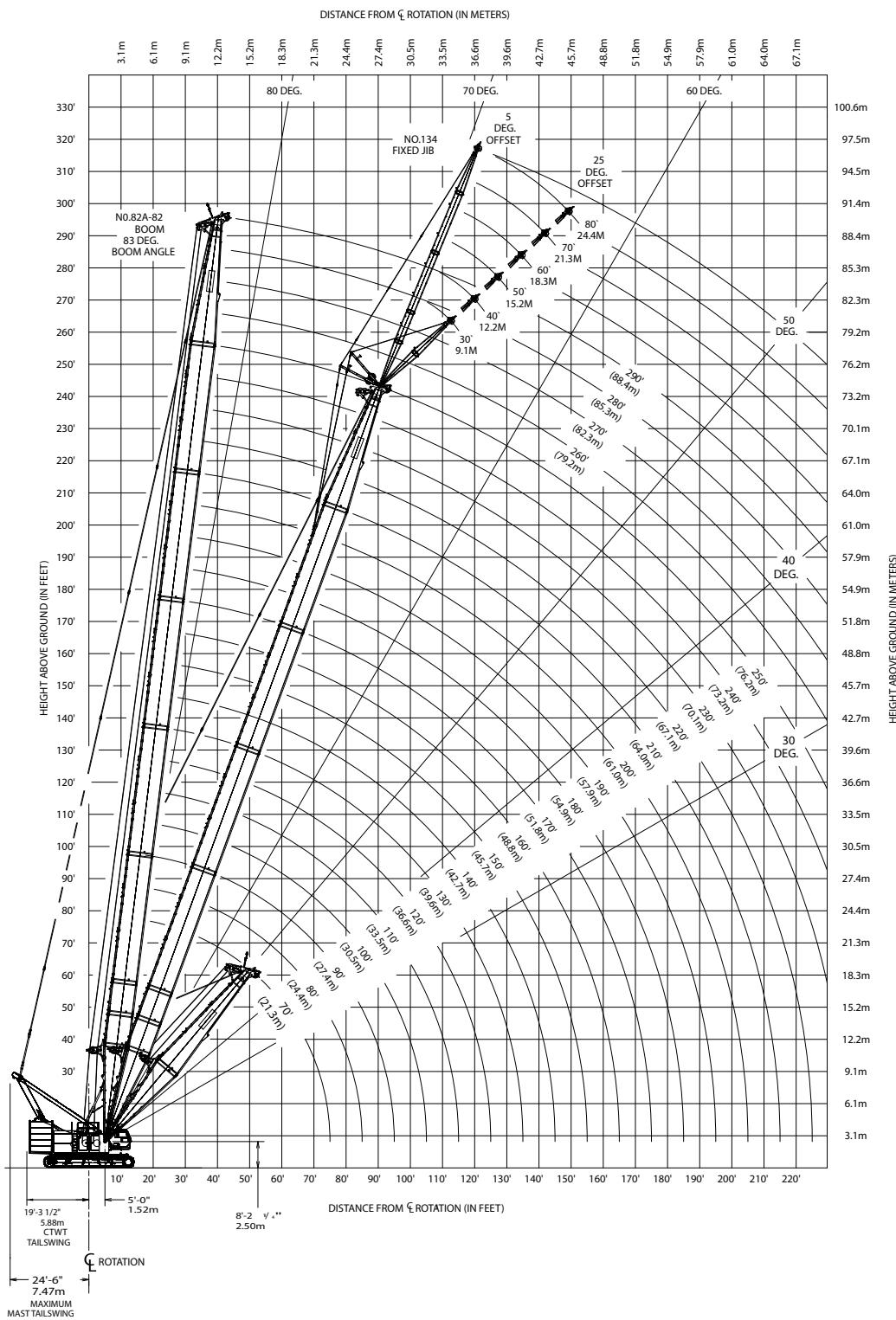
B10:82A boom												
219,600 lb upper counterweight + 80,000 lb lower counterweight												
360°	lb x 1000											
Radius (ft)	Boom length (ft)											
	70	90	110	130	150	170	190	210	230	250	270	290
<b>16</b>	500.0	—	—	—	—	—	—	—	—	—	—	—
<b>17</b>	462.5	—	—	—	—	—	—	—	—	—	—	—
<b>18</b>	438.6	—	—	—	—	—	—	—	—	—	—	—
<b>19</b>	417.1	402.5	—	—	—	—	—	—	—	—	—	—
<b>20</b>	397.5	396.0	—	—	—	—	—	—	—	—	—	—
<b>22</b>	363.2	361.8	351.1	—	—	—	—	—	—	—	—	—
<b>24</b>	334.2	332.8	332.0	295.0	—	—	—	—	—	—	—	—
<b>26</b>	309.3	307.9	307.1	295.0	264.9	—	—	—	—	—	—	—
<b>28</b>	287.7	286.4	285.6	284.9	258.9	231.7	—	—	—	—	—	—
<b>30</b>	268.8	267.5	266.8	266.1	253.2	227.2	—	—	—	—	—	—
<b>32</b>	252.2	250.9	250.2	249.5	247.6	222.7	196.9	—	—	—	—	—
<b>34</b>	237.4	236.1	235.4	234.7	233.7	218.4	193.5	171.7	—	—	—	—
<b>36</b>	224.1	222.9	222.2	221.5	220.5	214.2	190.1	170.6	140.2	—	—	—
<b>38</b>	207.8	207.8	207.8	207.7	207.4	207.0	186.9	168.0	139.7	116.2	—	—
<b>40</b>	193.0	192.9	192.9	192.8	192.4	192.0	183.6	165.4	139.2	115.3	96.3	—
<b>42</b>	180.0	179.9	179.8	179.7	179.3	178.9	178.4	162.8	138.6	114.2	95.3	—
<b>46</b>	158.4	158.2	158.1	157.9	157.5	157.0	156.5	155.9	136.1	112.0	93.4	77.7
<b>50</b>	141.0	140.8	140.7	140.5	140.0	139.5	138.9	138.3	134.0	109.9	91.5	76.1
<b>60</b>	109.7	109.5	109.3	109.1	108.5	108.0	107.3	106.7	105.9	105.0	87.2	72.2
<b>70</b>	84.7	88.6	88.4	88.1	87.5	87.0	86.2	85.5	84.7	84.7	83.2	68.7
<b>80</b>	—	73.5	73.4	73.2	72.5	71.9	71.2	70.5	69.6	69.5	68.6	65.5
<b>90</b>	—	59.2	62.1	61.9	61.3	60.7	59.9	59.1	58.2	58.2	57.3	56.4
<b>100</b>	—	—	53.3	53.1	52.5	51.9	51.1	50.3	49.4	49.3	48.4	47.5
<b>110</b>	—	—	43.3	46.0	45.4	44.8	44.0	43.3	42.3	42.2	41.3	40.4
<b>120</b>	—	—	—	40.2	39.6	39.0	38.2	37.5	36.6	36.5	35.5	34.6
<b>130</b>	—	—	—	32.2	34.8	34.2	33.4	32.6	31.7	31.6	30.7	29.7
<b>140</b>	—	—	—	—	30.6	30.1	29.3	28.6	27.6	27.5	26.5	25.6
<b>150</b>	—	—	—	—	23.4	26.6	25.8	25.0	24.1	24.0	23.0	22.1
<b>160</b>	—	—	—	—	—	22.3	22.7	22.0	21.1	21.0	20.0	19.1
<b>170</b>	—	—	—	—	—	—	20.0	19.3	18.4	18.3	17.3	16.4
<b>180</b>	—	—	—	—	—	—	15.7	16.9	16.0	15.9	14.9	14.0
<b>190</b>	—	—	—	—	—	—	—	13.6	13.9	13.8	12.8	11.9
<b>200</b>	—	—	—	—	—	—	—	10.1	11.0	11.9	10.9	10.0
<b>210</b>	—	—	—	—	—	—	—	—	8.1	9.5	9.2	8.3
<b>220</b>	—	—	—	—	—	—	—	—	5.1	6.9	6.8	6.5
<b>230</b>	—	—	—	—	—	—	—	—	—	4.4	4.5	4.2

For complete chart, refer to [www.canelibrary.com](http://www.canelibrary.com).

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.  
The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

# Fixed jib range diagram

B10:350 boom



# Fixed jib load chart

No. 134 fixed jib on B10:82A boom series 3

219,600 lb upper counterweight + 80,000 lb lower counterweight

360°

lb x 1000

**30 ft jib at 5° offset**

Radius (ft)	Boom Length (ft)				
	89	118	148	177	207
34	59.2	—	—	—	—
36	59.2	59.2	—	—	—
40	59.2	59.2	—	—	—
44	59.2	59.2	59.2	—	—
48	59.1	59.2	59.2	58.3	—
50	58.5	59.2	59.2	58	—
55	57.4	58.6	58.6	57.4	48.5
60	56.2	57.5	57.7	56.7	48.1
65	53.8	52.8	51.9	50.8	47.7
70	48.7	47.7	46.8	45.7	44.7
75	44.4	43.4	42.4	41.4	40.4
80	40.7	39.7	38.7	37.6	36.6
85	37.5	36.5	35.5	34.4	33.4
90	34.7	33.7	32.7	31.6	30.5
95	32.2	31.2	30.2	29	28
100	30	28.9	27.9	26.8	25.8
110	26.2	25.1	24.1	23	22
120	—	22	21	19.9	18.8
130	—	19.4	18.4	17.3	16.2
140	—	17.2	16.2	15.1	14
150	—	—	14.3	13.2	12.1
160	—	—	12.6	11.5	10.4
170	—	—	—	10	9
180	—	—	—	8.8	7.7
190	—	—	—	7.6	6.6
200	—	—	—	—	5.5
210	—	—	—	—	4.4
220	—	—	—	—	3.4

**40 ft jib at 5° offset**

Radius (ft)	Boom Length (ft)				
	89	118	148	177	207
34	52.4	—	—	—	—
36	51.8	—	—	—	—
40	50.7	51.3	—	—	—
44	49.8	50.4	—	—	—
48	48.8	49.6	49.5	—	—
50	48.4	49.3	49.2	—	—
55	47.3	48.4	48.5	47.6	—
60	46.3	47.5	47.8	47	42.4
65	45.4	46.7	47.1	46.5	42.2
70	44.6	46	46.5	46	41.9
75	43.7	43.8	42.8	41.8	40.8
80	41.1	40.1	39.1	38	37.1
85	37.9	36.9	35.9	34.8	33.8
90	35.1	34	33	31.9	30.9
95	32.6	31.5	30.5	29.4	28.4
100	30.3	29.3	28.3	27.2	26.1
110	26.5	25.5	24.5	23.3	22.3
120	23.4	22.3	21.3	20.2	19.1
130	—	19.7	18.7	17.6	16.5
140	—	17.2	16.5	15.3	14.3
150	—	15.6	14.6	13.4	12.4
160	—	—	12.9	11.8	10.7
170	—	—	11.4	10.3	9.2
180	—	—	—	9	7.9
190	—	—	—	7.8	6.8
200	—	—	—	6.8	5.7
210	—	—	—	—	4.7
220	—	—	—	—	3.7

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# Fixed jib load chart

No. 134 fixed jib on B10:82A boom series 3

219,600 lb upper counterweight + 80,000 lb lower counterweight

360°

Ib x 1000

## 50 ft jib at 5° offset

Radius (ft)	Boom Length (ft)				
	89	118	148	177	207
40	42.7	—	—	—	—
42	42.2	42.6	—	—	—
44	41.8	42.2	—	—	—
50	40.6	41.2	41.1	—	—
55	39.6	40.4	40.5	39.8	—
60	38.7	39.6	39.9	39.3	36.9
65	37.9	38.9	39.2	38.8	36.7
70	37	38.3	38.6	38.3	36.5
75	36.2	37.6	38.1	37.8	36.3
80	35.5	36.9	37.6	37.4	36.2
85	34.7	36.3	36.1	35.1	34.1
90	33.9	34.3	33.3	32.2	31.2
95	32.2	31.8	30.7	29.7	28.6
100	30.6	29.5	28.5	27.4	26.4
110	26.8	25.7	24.7	23.6	22.5
120	23.6	22.6	21.5	20.4	19.4
130	21	20	18.9	17.8	16.7
140	—	17.7	16.7	15.5	14.5
150	—	15.8	14.8	13.6	12.6
160	—	14.1	13.1	12	10.9
170	—	—	11.6	10.5	9.4
180	—	—	10.3	9.2	8.1
190	—	—	—	8	7
200	—	—	—	7	5.9
210	—	—	—	6	4.9
220	—	—	—	—	3.9

## 60 ft jib at 5° offset

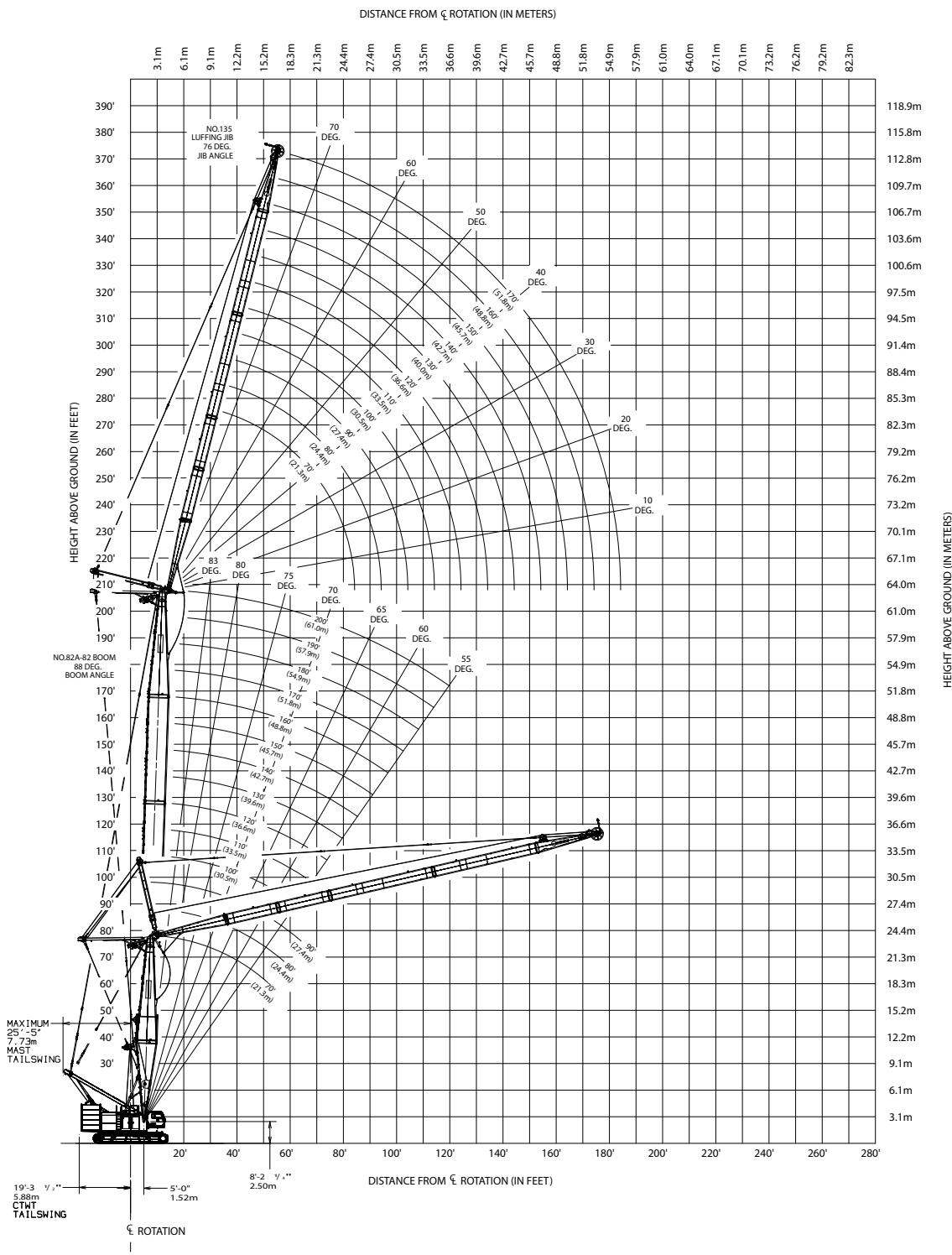
Radius (ft)	Boom Length (ft)				
	89	118	148	177	207
40	36.6	—	—	—	—
42	36.3	—	—	—	—
46	35.5	35.8	—	—	—
48	35.2	35.5	—	—	—
50	34.7	35.3	35.1	—	—
55	33.7	34.5	34.5	—	—
60	32.7	33.8	34	33.5	—
65	31.9	33	33.4	33	31.4
70	31	32.2	32.8	32.9	31.3
75	30.2	31.5	32.2	32.2	31.1
80	29.5	30.9	31.6	31.7	31
85	28.7	30.2	31	31.3	30.7
90	28.1	29.5	30.4	30.8	30.4
95	27.5	29	29.9	29.8	28.8
100	26.8	28.4	28.6	27.5	26.5
110	24.3	25.9	24.8	23.7	22.7
120	22.3	22.7	21.7	20.5	19.5
130	20.6	20.1	19.1	17.9	16.8
140	19	17.9	16.8	15.7	14.6
150	—	16	14.9	13.8	12.7
160	—	14.3	13.2	12.1	11
170	—	—	11.8	10.6	9.5
180	—	—	10.5	9.3	8.2
190	—	—	9.3	8.2	7.1
200	—	—	—	7.1	6
210	—	—	—	6.2	5
220	—	—	—	5.3	4
230	—	—	—	—	3.1

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# Luffing jib range diagram

No. 149 luffing jib on B10:82A boom



# Luffing jib load chart

LJ10:149 luffing jib on B10:82A boom series 3

219,600 lb upper counterweight + 80,000 lb lower counterweight

360°

Ib x 1000

70 ft luffing jib length

Radius (ft)	Boom Length (ft)				
	80	120	140	180	200
36	160.0	—	—	—	—
40	145.1	131.9	—	—	—
45	132.5	121.7	120.1	90.3	—
50	121.3	112.8	112.0	87.0	72.9
55	111.7	105.1	104.9	84.3	70.5
60	101.3	98.3	98.5	82.0	68.4
65	91.0	92.5	91.9	75.8	66.9
70	82.5	87.4	84.1	70.3	62.4
75	72.7	83.1	78.1	66.0	58.7
80	49.9	65.8	66.7	63.1	56.1

120 ft luffing jib length

Radius (ft)	Boom Length (ft)				
	80	120	140	180	200
45	115.0	97.5	85.5	63.5	—
50	107.0	96.2	82.4	61.7	50.0
55	99.8	91.5	81.1	59.9	48.8
60	93.3	86.1	78.1	58.8	47.4
65	87.2	81.2	76.1	56.4	46.7
70	81.3	76.8	72.2	55.6	45.4
75	74.0	72.7	66.9	53.5	43.6
80	67.8	68.8	61.9	50.9	42.5
90	57.6	58.6	53.2	44.4	38.5
100	49.8	50.0	45.8	39.1	34.0
110	43.5	43.4	40.0	34.5	30.4
120	38.5	38.5	35.7	31.2	27.2
130	25.1	34.4	33.7	29.5	24.8
140	—	—	—	—	23.6

170 ft luffing jib length

Radius (ft)	Boom Length (ft)				
	80	120	140	180	200
55	71.5	59.9	54.2	—	—
60	70.9	59.1	53.4	42.2	36.8
65	70.3	58.3	52.6	41.4	36.4
70	69.8	57.5	51.3	40.5	35.7
75	68.9	56.7	50.8	39.7	34.4
80	65.5	55.9	49.6	38.8	34.1
90	56.4	52.3	47.0	37.2	32.6
100	48.3	46.5	41.9	34.4	30.1
110	42.0	41.3	37.2	30.8	27.1
120	36.8	36.6	33.0	27.7	24.3
130	32.4	32.5	29.5	24.8	21.9
140	28.8	29.0	26.4	22.5	19.8
150	25.7	26.1	23.8	20.4	18.1
160	23.0	23.7	21.7	18.7	16.6
170	20.6	22.0	20.2	17.5	15.6
180	12.7	18.7	18.6	17.1	15.1

240 ft luffing jib length

Radius (ft)	Boom Length (ft)			
	80	120	140	180
70	34.9	—	—	—
75	34.5	30.8	28.7	23.7
80	34.0	30.4	28.4	23.5
90	33.2	29.8	27.9	22.9
100	32.4	29.2	27.2	22.2
110	31.6	28.7	26.5	21.5
120	30.9	28.1	25.8	20.9
130	29.6	26.4	23.8	19.3
140	25.9	24.3	21.9	17.7
150	22.7	22.4	20.1	16.3
160	20.0	20.6	18.4	14.9
170	17.6	18.9	16.9	13.7
180	15.5	17.4	15.5	12.6
190	13.6	16.1	14.3	11.6
200	12.0	14.5	13.3	10.8
220	9.1	11.4	11.6	9.4
240	6.8	8.8	8.8	7.9

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.  
The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

# Specifications

## Upperworks

### Engine

Cummins Model QSL9 Tier 4 Final (Stage V), 6 cylinder diesel, 340 hp (240 kW). High sulfur fuel compatible kit available in some regions on request.

Includes exhaust aftertreatment system (Tier 4 Final / Stage V) or muffler, air cleaner, 110 amp alternator, radiator and fan. Also includes 150 gallon (567 liter) capacity diesel fuel tank, and a 30 gallon (114 liter) capacity diesel exhaust fluid (DEF) tank.

### Crane Control System

The Crane Control System (CCS) offers a user-friendly interface, full graphic display mounted vertically for better visibility, a jog dial for easier data input and ergonomic joysticks. Block-up limit control is standard for hoist and whip lines. Travel and swing alarms are standard. RCL/RCI (Rated Capacity Limiter/Rated Capacity Indicator) system is standard.

### Hydraulic system

Three high-pressure pumps are driven by the engine. Two pumps provide "open loop" hydraulic power enabling simultaneous multi-function capability. One pump provides independent "closed loop" hydraulic power for the swing system. An additional pump provides hydraulic power for the cooler fan and an additional pump is included with free fall. Hydraulic reservoir capacity is 145 gallon (550 liter) and is equipped with breather, sight and electrical level indicator, clean out access, and internal diffuser. Replaceable, full flow tank filters are furnished in the hydraulic circuit. All oil is filtered prior to return to the hydraulic reservoir. Hydraulic system also includes hydraulic oil cooler.

### Drums

Two 37 inch (940 mm) width drums are driven by independent variable displacement axial piston hydraulic motors through planetary reduction. Drums are grooved for 26 mm rope and mounted in rotating bed. Powered hoisting/lowering operation is standard with automatic (spring applied, hydraulically released) multi-disc brakes, and drum rotation indicators.

- Optional: free-fall operation for front and/or rear drums.
- Optional: auxiliary (third) hydraulic powered drum mounted in rotating bed. Drum is grooved for 26 mm rope. All hydraulic and electrical components to equip drum come along with the drum.

### Boom hoist

Independent boom hoist consists of a single drum grooved for 22 mm diameter wire rope. Includes 22 mm diameter wire rope for boom hoist reeving. Drum is powered by a fixed displacement hydraulic motor coupled to an internal brake and planetary gearbox equipped with ratchet and pawl.

### Mast and Gantry

The 20 part boom hoist reeving is reeved between the 10 sheave gantry and 11 sheave 9,1 m (30 ft) long live mast with the dead end on the gantry. When used with rigging block sheaves in the live mast the machine is capable of installing carbody counterweights, stacking the upperworks counterweights and assembling the boom and jib. The gantry is also utilized to lift the entire upperworks counterweight assembly into place.

### Counterweight

The upperworks counterweight is attached to rotating bed with remote controlled hydraulically actuated pins. The upperworks counterweight consists of a one-piece tray, one center counterweight adapter, and ten upper counterweight boxes. Carbbody counterweight boxes are attached to carbody.

*Series 1 - Upper counterweight (6 pieces+tray)*

149,600 lb (67,860 kg)

*Series 2 - Upper counterweight (8 pieces+tray)*

184,600 lb (83,736 kg)

Carbody counterweight (2 pieces)

*Series 3 - Upper counterweight (10 pieces+tray)*

219,600 lb (99,582 kg)

Carbody counterweight (4 pieces)

80,000 lb (36,287 kg)

Total counterweight 299,600 lb (135,896 kg)

### Swing system

Independent single swing drive mounted in rotating bed is powered by a hydraulic motor driving a spur gear through a planetary reduction with internal brake.

Maximum swing speed: 1.8 rpm.

### Operator's cab

New wider cab provides 10% increased operator legroom. Fully enclosed and galvanized steel insulated module is equipped with sliding door, large safety glass windows on all sides and roof. Signal horn, cab space heater, front and roof windshield wipers, air conditioning, dome light, sun visor and shade, fire extinguisher and air circulating fan are standard.

- Optional: External RCI light, electronic level indicator, radio and camera system.

# Specifications

## Lowerworks

### Carbody

High strength fabricated steel assembly utilizing Manitowoc's FACT™ connection system incorporating two hydraulically powered pins for fast installation and removal of crawlers.

### Crawlers

Crawler assemblies are 28' 1" (8.6 m) long, high strength steel fabrications with 3' 11" (1.2 m) wide cast steel crawler pads. Each crawler is powered independently by a variable displacement hydraulic motor driving a planetary reduction. Maximum ground speed of 1.0 mph. (1.6 km/hr).

## Attachments

### No. 82A boom

The liftcane is equipped with a 70' (21.3 m) basic No. 82A angular chord boom consisting of a 30' (9.1 m) butt and 40' (12.2 m) top with eight 30" diameter roller bearing sheaves. No. 82A boom utilizes steel boom suspension straps.

Spring cushioned boom stop and electronic automatic boom stop standard.

- Optional: No. 82A boom lengths are increased using 9' 10" (3 m), 19' 8" (6 m), and 39' 4" (12 m)  
No. 82 inserts with steel boom suspension straps.

### No. 134 fixed jib

30' (9.1 m) basic No. 134 tubular chord fixed jib consisting of 15' (4.6 m) jib butt and 15' (4.6 m) jib top with 12' (3.7 m) jib strut, and wire rope, pendants. Includes RCL/RCI hardware.

- Optional: No. 134 fixed jib lengths are increased using 10' (3 m) inserts with wire rope pendants. Max fixed jib length is 60' (18.3 m).

### No. 135 luffing jib

70' (21.3 m) basic No. 135 tubular chord luffing jib assembly consisting of 27' (8.2 m) butt, 20' (6.1 m) insert and 23' (7 m) top with two 27" (68.6 cm) straight roller bearing sheave, pin connected jib sections, pendants, main strut, jib strut and backstay pendants.

- Optional: No. 135 luffing jib lengths are increase using 10' (3 m), 20' (6.1 m) and 40' (12.2 m) No. 135 inserts with pendants.



### No. 149 luffing jib

70' (21.3 m) basic No. 149 tubular chord luffing jib assembly consisting of 25' (7.6 m) butt, 20' (6.1 m) insert and 25' (7.6 m) top with three 27" (68.6 cm) straight roller bearing sheave, pin connected jib sections, jib suspension straps, main strut, jib strut and backstay straps.

- Optional: No. 149 luffing jib lengths are increase using 10' (3 m), 20' (6.1 m) and 40' (12.2 m) No. 149 inserts with steel jib suspension straps.

# **Notes**

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