

# Manitowoc 14000

## Product Guide

ASME B30.5  
Metric / Imperial



### Features

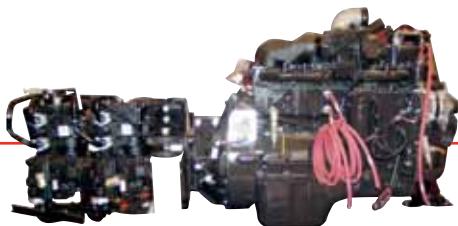
- 200 t (220 USt) capacity
- 865 m-ton (6,267 ft-kips) maximum load moment
- 89 m (292 ft) heavy-lift boom
- 98,4 m (323 ft) fixed jib on heavy-lift boom
- 113,8 m (373 ft) luffing jib on heavy-lift boom
- 253 kW (340 HP) engine



# Features

## EPIC®

Manitowoc's field-proven Electronically Processed Independent Controls (EPIC) system delivers high productivity and precise load control by instantly matching a crane's commands to the crane function. EPIC's microprocessor maximizes a Manitowoc crane's function capability and simplifies servicing by pinpointing any problem in the crane's engine, power transmission and other operating systems. In addition, EPIC increases versatility by easily tailoring a Manitowoc crane's operation for specialized applications, with or without attachments. EPIC is a key reason no other crane can match the performance and reliability of Manitowoc.



## Hydraulics

Our closed-loop system provides a separate hydraulic circuit to power each crane function. The result is truly independent, variable-speed operation of the swing, load hoist, boom hoist and travel functions.



## Crawler drive shafts

These eliminate the need to disconnect hydraulic systems for shipment—simplifying crawler removal and assembly.



## FACT™ connectors

Manitowoc's Fast Aligning Connection Technology (FACT) precisely aligns crane components for safe, fast, easy assembly.

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# Specifications



## No. 134 fixed jib

- Optional: No. 134 basic tubular chord fixed jib 9,1 m (30') in length consisting of 4,6 m (15') jib butt and 4,6 m (15') jib top with 3,7 m (12') jib strut, pendants and backstay. Includes RCI hardware. For use with boom No. 76.
- Optional: No. 134 fixed jib inserts 3,0 m (10') and 6,1 m (20') with pendants.

Utilize fixed jib inserts in combination with the No. 134 basic fixed jib for total lengths up to 24,4 m (80').



## No. 135 luffing jib

- Optional: 21,3 m (70') basic No. 135 tubular chord luffing jib assembly with RCI hardware consisting of 8,2 m (27') butt, 6,1 m (20') insert, and 7,0 m (23') top with two 68,6 cm (27") straight roller bearing sheaves and pin connected jib sections, pendants, fixed strut, jib strut, backstay pendants, boom point wheel, 26 mm luffing jib hoist line. For use with No. 76 boom.
- Optional: 3,0 m (10'), 6,1 m (20'), and 12,2 m (40') No. 135 inserts with pendants. Utilize luffing jib inserts in combination with the No. 135 basic luffing jib for total lengths up to 57,8 m (170').

## Optional equipment

- Blocks and hooks –

13,6 t (15 USt) swivel hook and weight ball.

27,2 t (30 USt) hook block with one 76,2 cm (30") sheave for 26 mm wire rope with swivel hook, hook latch and swivel lock (assembly block).

54 t (60 USt) hook block with two 76,2 cm (30") sheaves for 26 mm wire rope with swivel hook, hook latch and swivel lock.

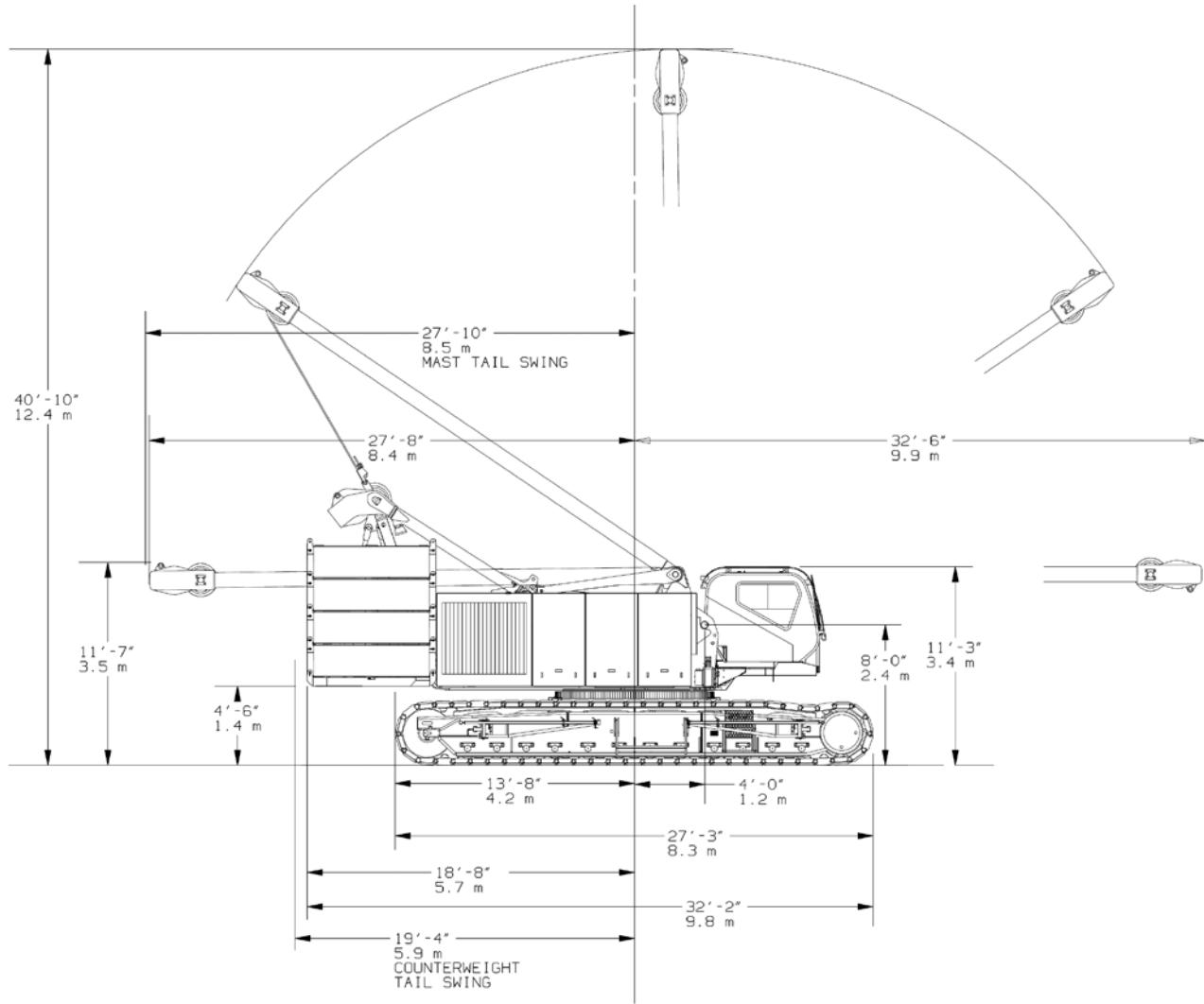
91 t (100 USt) hook block with three 76,2 cm (30") sheaves for 26 mm wire rope with duplex swivel hook, hook latch, and swivel lock.

150 t (165 USt) hook block with six 76,2 cm (30") sheaves for 26 mm wire rope with duplex swivel hook, hook latch, and swivel lock.

200 t (220 USt) hook block with seven 76,2 cm (30") sheaves for 26 mm wire rope with swivel hook, hook latch, and swivel lock.

- Hydraulic Test Kit.
- Service Interval Kits.
- Special Paint Color (other than Manitowoc standard red and black.)
- Special Customer Decals: custom vinyl decal(s) of name and/or logo from artwork supplied by customer.
- Export Packaging: basic crane, boom and jib sections.

# Outline dimensions







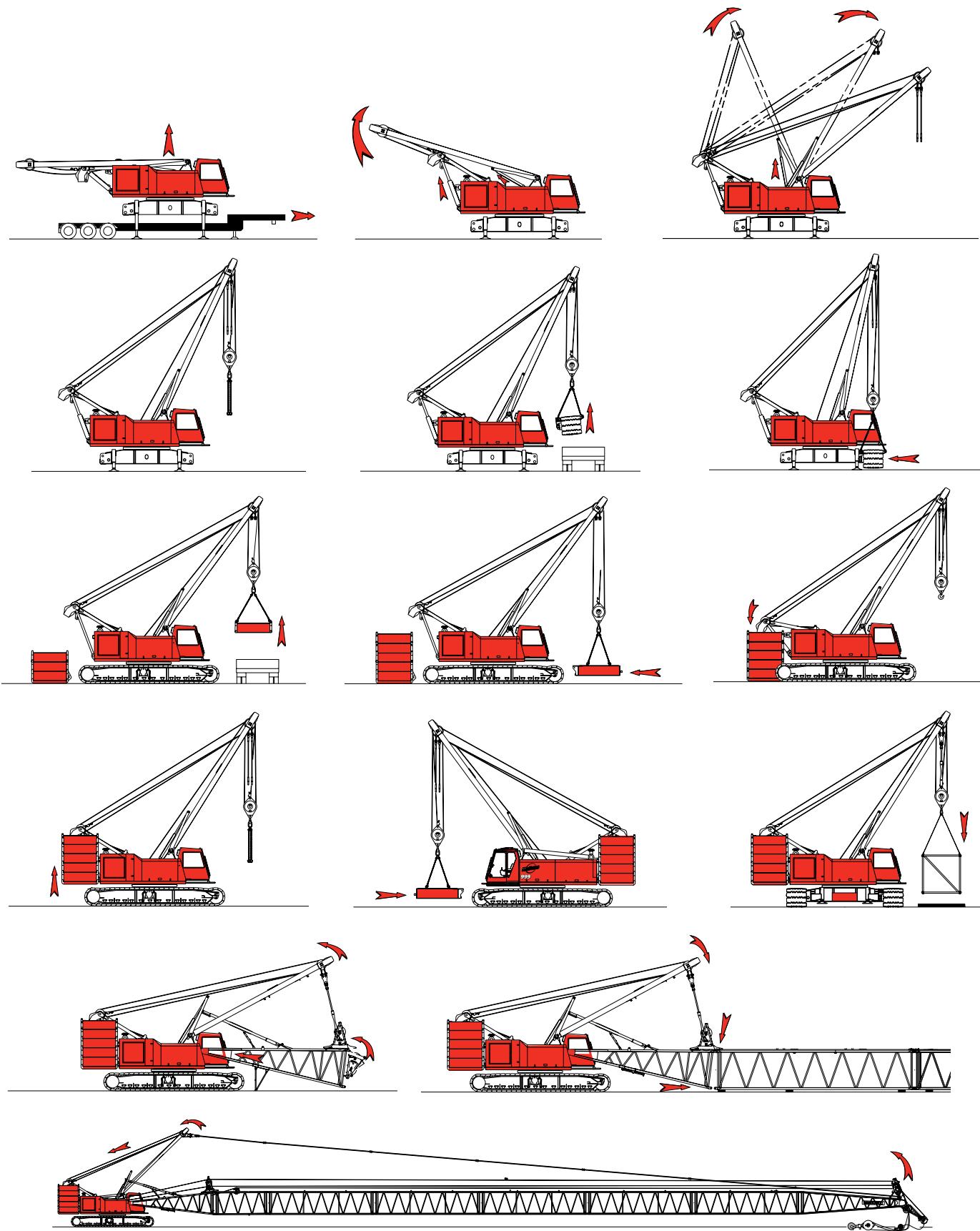








# Crane assembly



Note: Read the assembly folio in the operator's manual for a complete description of approved crane assembly procedures.







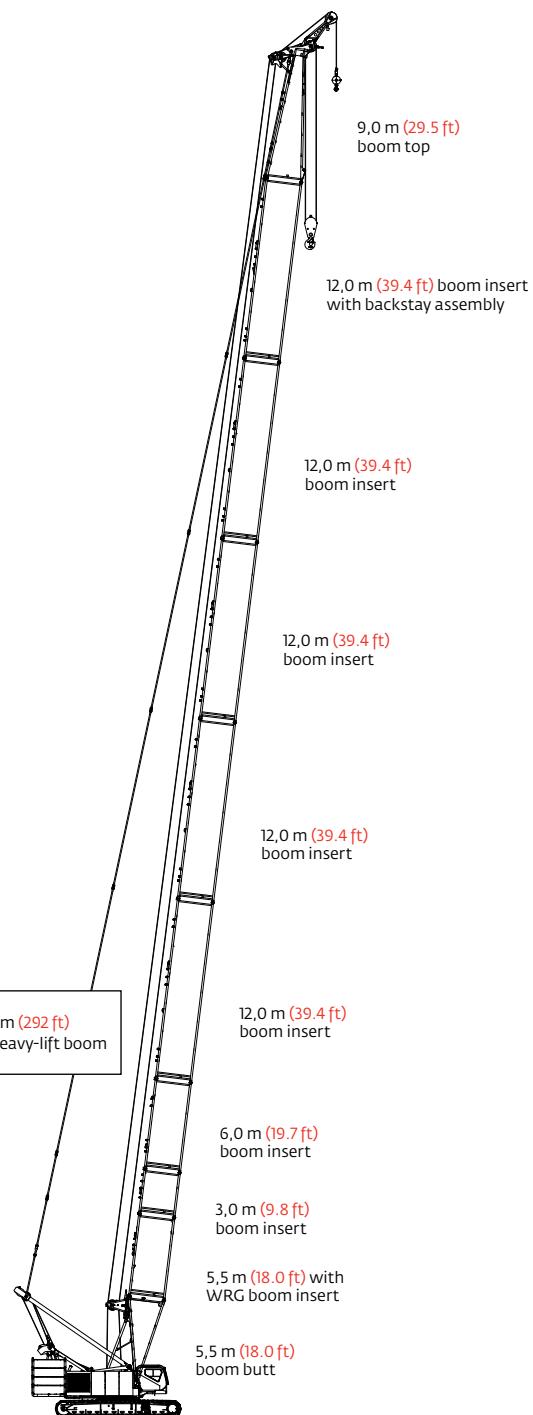




# Boom combinations

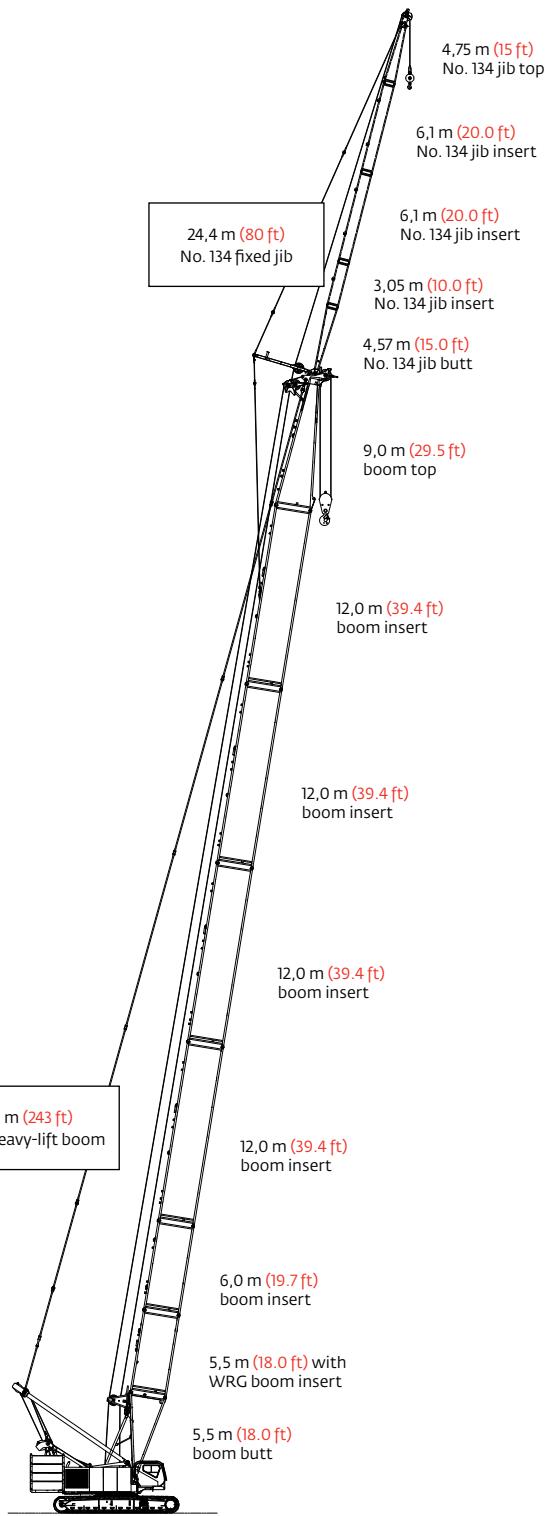
No. 76 main boom with heavy-lift top combinations				
Boom length m (ft)	Boom inserts m (ft)			
	3,0 (9.8)	6,0 (9.7)	12,0 (39.4)	12,0* (39.4)
20 (65.6)	0	0	0	0
23 (75.5)	1	0	0	0
26 (85.3)	0	1	0	0
29 (95.1)	1	1	0	0
32 (105.0)	0	0	0	1
35 (114.8)	1	0	0	1
38 (124.7)	0	1	0	1
41 (134.5)	1	1	0	1
44 (144.4)	0	0	1	1
47 (154.2)	1	0	1	1
50 (164.0)	0	1	1	1
53 (173.9)	1	1	1	1
56 (183.7)	0	0	2	1
59 (193.6)	1	0	2	1
62 (203.4)	0	1	2	1
65 (213.3)	1	1	2	1
68 (223.1)	0	0	3	1
71 (233.0)	1	0	3	1
74 (242.8)	0	1	3	1
77 (252.6)	1	1	3	1
80 (262.5)	0	0	4	1
83 (272.3)	1	0	4	1
86 (282.2)	0	1	4	1
89 (292.0)	1	1	4	1

\* with backstay assembly.



# Boom combinations

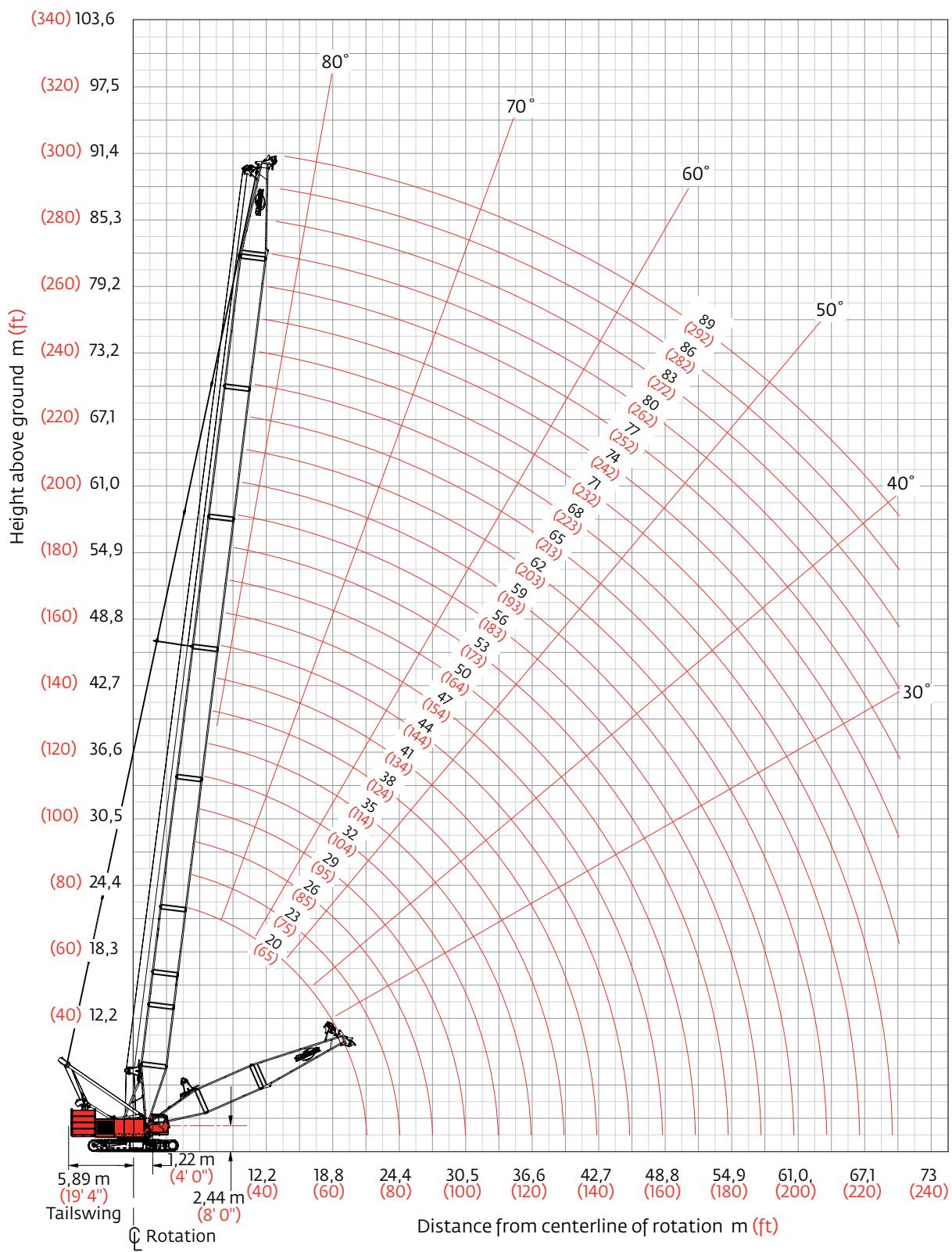
No. 134 fixed jib combinations		
Fixed jib length m (ft)	Fixed jib inserts m (ft)	
	3,05 (10.0)	6,10 (20.0)
9,14 (30)	0	0
12,19 (40)	1	0
15,27 (50)	0	1
18,29 (60)	1	1
21,33 (70)	0	2
24,38 (80)	1	2





# Heavy-lift boom range diagram

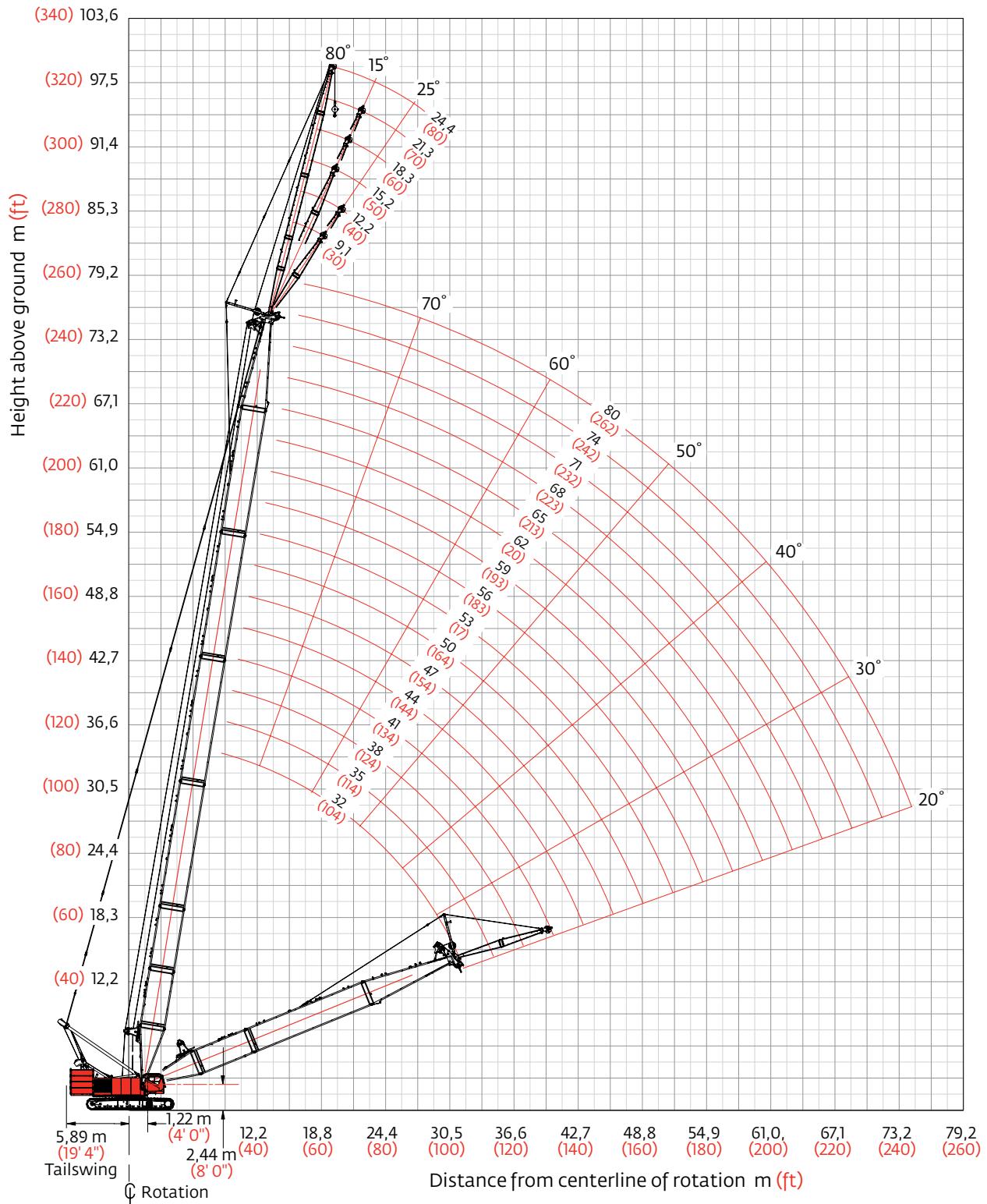
No. 76 heavy-lift main boom





# Fixed jib range diagram

No. 134 fixed jib on No. 76 main boom

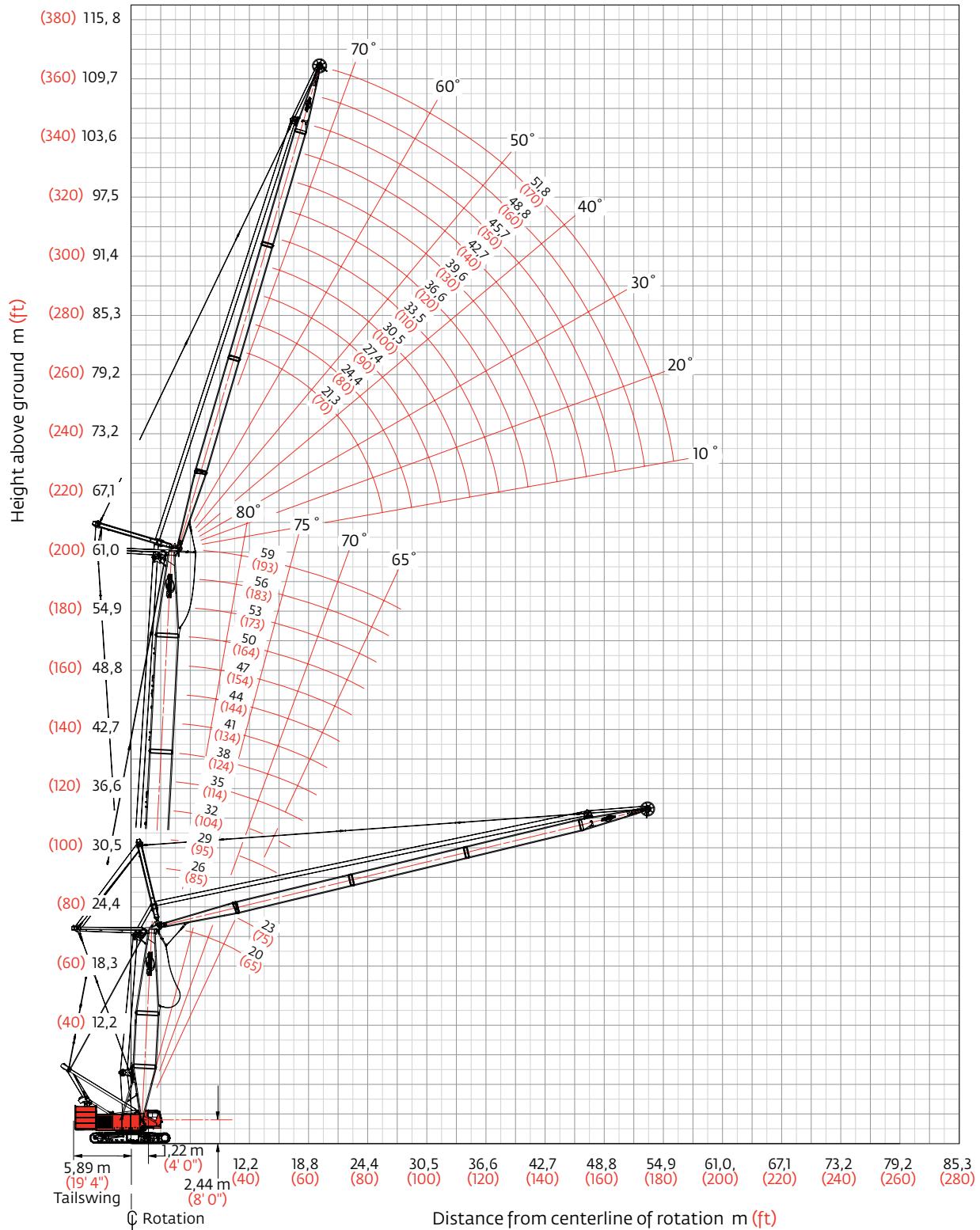






# Luffing jib range diagram

No. 135 luffing jib on No. 76 main boom



# Luffing jib load charts

## No. 135 luffing jib on No. 76 heavy-lift main boom

76 200 kg (168,000 lb) counterweight  
360° Rating

24 000 kg (53,000 lb) carbonyl counterweight  
kg (lb) x 1000

**87° boom angle**

Boom m (ft)	20,0 (65.6)	32,0 (105.0)	44,0 (144.4)	53,0 (173.9)	59,0 (193.6)	Radius	8,5 (28)	53,7 (118.6)	—	—	—	
21,3 m (70 ft) Luffing jib length	8,5 (28)	53,7 (118.6)	—	—	—	10,0 (34)	51,7 (112.4)	48,6 (107.3)	43,0 (94.9)	— (85.0)	—	
	12,0 (40)	48,0 (105.3)	48,1 (105.6)	43,0 (94.9)	38,4 (84.8)	35,6 (78.5)	16,0 (50)	42,4 (95.7)	42,7 (96.3)	37,6 (86.2)	34,9 (79.6)	31,6 (72.1)
	20,0 (65)	33,8 (75.5)	36,0 (80.4)	31,4 (69.8)	29,3 (65.2)	26,7 (59.5)	24,0 (80)	25,6 (52.2)	26,4 (57.2)	24,9 (54.2)	22,8 (49.6)	—
	26,0 (85)	—	—	—	—	28,0 (95)	—	—	—	—	—	
	32,0 (105)	—	—	—	—	34,0 (115)	—	—	—	—	—	
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Boom m (ft)	20,0 (65.6)	32,0 (105.0)	44,0 (144.4)	53,0 (173.9)	59,0 (193.6)	Radius	15,2 (50)	21,9 (48.5)	21,1 (46.7)	—	—	
42,7 m (140 ft) Luffing jib length	20,0 (65)	20,0 (44.4)	19,9 (44.2)	19,1 (42.2)	18,8 (40.2)	17,3 (38.2)	24,0 (80)	17,8 (38.8)	17,9 (39.1)	17,9 (39.1)	17,5 (38.5)	16,8 (37.0)
	28,0 (95)	15,8 (34.0)	16,0 (34.5)	16,1 (34.7)	16,0 (34.6)	15,9 (34.3)	34,0 (115)	13,3 (28.7)	13,6 (29.2)	13,8 (29.7)	13,9 (29.9)	13,8 (29.8)
	40,0 (130)	11,4 (25.4)	11,6 (26.0)	11,8 (26.4)	12,0 (26.7)	12,0 (26.8)	44,0 (145)	9,7 (21.0)	10,6 (23.4)	10,8 (23.9)	10,9 (24.1)	10,8 (23.9)
	44,0 (145)	9,7 (21.0)	10,6 (23.4)	10,8 (23.9)	10,9 (24.1)	10,8 (23.9)	48,0 (160)	—	—	—	—	—
	52,0 (175)	—	—	—	—	—	56,0 (185)	—	—	—	—	—
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For complete chart, refer to [www.cranelibrary.com](http://www.cranelibrary.com).





# Manitowoc Crane Care

Manitowoc Crane Care is the industry's most advanced service and support program, designed to keep your cranes up and running. Manitowoc's distributor network and customer support personnel are available to support you 24 hours a day, 7 days a week, 365 days a year. There are five key disciplines of Manitowoc Crane Care:

## **Parts**

Genuine Manitowoc replacement parts are accessible through your distributor.

## **Service and technical support**

Assistance with crane selection, lift planning and ground bearing calculations or field service and maintenance.

## **Technical publications**

Operator, parts, service and capacity chart manuals are available in multiple formats in major languages.

## **Training**

A variety of training courses are available online or through Manitowoc training centers.

## **EnCORE**

Rebuild, repair, remanufacture or exchange your current crane through our local network, for a fraction of the cost of a new crane.

**[www.manitowoccranecare.com](http://www.manitowoccranecare.com)**



CraneSTAR is an exclusive and innovative crane asset management system that helps improve your profitability and reduce costs by remotely monitoring critical crane data. Visit [www.cranestar.com](http://www.cranestar.com) for more information.

# **Notes**

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Saris

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Manitowoc  
Port Washington

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