



Manitex

39'-11" [12.2 m]
417.87
[10614 mm] STOWED / 115' EXTENDED
196.25
[4985 mm]

12'-3 1/2" [3.7 m]

108.00
[2745 mm]

100.00
[2540 mm]

251.00
[6375 mm] CT

288.94
[7349 mm]

48.50
[1232 mm]
72.16
[1833 mm]
122.52
[3112 mm]

12.72
[323 mm]

TC700

70-ton (63.5 mt) TELESCOPIC CRANE
PRELIMINARY PRODUCT GUIDE



PRELIMINARY CHASSIS DATA

KENWORTH T800

Minimum Chassis Requirements	lbs.	kg	Gross Vehicle Weight	lbs.	kg
Gross vehicle weight rating*	109,000	49,440	Base machine**	80,500	36,514
Front axle weight rating	40,000	31,298	Gross vehicle weight*	102,500	46,493
Rear axle weight rating	69,000	31,298	Front axle weight	35,600	16,148
			Rear axle weight	66,900	30,345
Chassis Dimensions	in.	m	Estimated Minimum Chassis Weight		
Wheelbase	289	7.3	Front axle	14,900	6,759
Cab to axle	251	6.4	Tridem axles	12,400	5,625
After frame	100	2.5	Total weight	27,300	12,383
Frame height (unloaded)	42	1.07			
Combined Frame Rail - RBM	lb./in.				
	5,484,000				

KENWORTH W900

Minimum Chassis Requirements	lbs.	kg	Gross Vehicle Weight	lbs.	kg
Gross vehicle weight rating*	102,000	46,266	Base machine**	84,666	38,400
Front axle weight rating	20,000	9,071	Base machine***	79,366	36,000
Rear axle weight rating	69,000	31,298	Gross vehicle weight*	101,300	45,949
Pusher axle	13,200	5,987	Front axle weight	19,700	8,936
Tag axle	13,200	5,987	Rear axle weight	56,600	25,673
Chassis Dimensions	in.	m	Estimated Minimum Chassis Weight		
Wheelbase	289	7.3	Front axle	10,500	4,763
Cab to axle	199	5	Tridem axles	13,300	6,033
After frame	162	4.1	Total weight	23,800	10,796
Frame height (unloaded)	42	1.07			
Combined Frame Rail - RBM	lb./in.				
	3,486,000				

* Weight with auxiliary winch, jib and full (20,000 lbs.) CWT
(CWT to travel must be stored with half on turret and half on subframe)

** Auxiliary winch, jib, zero added counterweight

*** Without auxiliary winch and jib

Effective Date: April 25, 2013

This document is non-contractual. This document is supplied for reference use only. We are constantly making improvements to our products and reserve the right that specification, equipment, and prices are all subject to change without notice or obligation.

The photographs, and /or images in this document are for illustrative purposes only and may include optional equipment and accessories and may not include all standard equipment.

Refer to the appropriate Operator's Manual and Load Charts for instructions on the proper use of this equipment to determine allowable crane lifting capacities, assembly and operating procedures.

Failure to follow the appropriate operator's manual or load chart(s) when using our equipment or to otherwise act irresponsibly may result in serious injury or death.

The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale. Manitex makes no other warranty, expressed or implied.

Products and services listed may be trademarks, service marks or trade-names of Manitex International and /or its subsidiaries in the USA and other countries.

All rights are reserved. Manitex® is a registered trademark of Manitex International, Inc. in the USA and many other countries.

Copyright 2013 Manitex Inc. Manitex Inc, Georgetown Texas, 78626



KEY

	Operator aids / Load limiter / Indicator
	Cab
	Heating/Air conditioning
	Controls
	Hoist line speed
	1 - Main hoist 2 - Auxiliary winch
	Rope length
	Rope - Standard/optional
	Rope diameter
	Permissible line pull
	Maximum line pull
	Slewing / Allowable slewing range
	Slewing gears
	Slewing brake
	Outriggers / Lifting on outriggers
	Removable counterweight system
	Counterweight
	Radio remote control

	Hook block
	Distance from hook to head sheave pin
	Hook and ball
	Hydraulics
	Boom elevation angle
	Max. boom length with extension
	Boom extension with offset
	Boom angle
	Telescoping mode
	Working radius
	Boom length
	Hydraulic actuated boom
	Mechanical synchronized
	Boom head / Hook block dimension
	Main boom with auxiliary head
	Tip height
	2-Person man basket



TECHNICAL DESCRIPTIONS

Cab/Cab Controls



- Joystick controls
- Boom extend/retract – slider thumb-switch
- Boom hoist/lower
- Main and auxiliary winch (optional) with thumpers
- Turret swing
- Thumb slide switch for engine rpm
- Foot pedal controls (engine rpm & swing brake)
- Electric over hydraulic controls system using 12 V system controls with Parker IQAN CANBUS system
- Swing lock switch

Counterweight



Counterweights:

Main counterweight with integrated hydraulic mounting system

Hydraulic cylinders allow counterweights to be easily removed and attached without additional lifting devices for placement on the deck of the carrier.



- 1 x Counterweight: 5,500 lbs. (2,495 kg)



- 2 x Counterweight: 11,000 lbs. (4,990 kg)



- 3 x Counterweight: 16,500 lbs. (7,490 kg)



- Full Counterweight: 22,000 lbs. (9,980 Kg)

Operator Aids



- Wired LMI with crane function cut-offs for overload protection
- Graphical display
- Event recorder
- WADS - Work Area Definition System
- Wired anti-two block system

Optional Equipment



Crane cab air conditioner

Tool Box: Multiple configurations

Optional Equipment

Jib



Swing on jib

Angular offset: 0°, 20°, 40°



Max. boom length with extension:
185 ft. (56.4 m)

Min. boom length with extension:
146 ft. (44.5 m)



Fixed length: 31 ft. (9.45 m)
Extended length: 51 ft. (16.1 m)

Hoist, Rope and Hook



Auxiliary head: Installs only to main boom.
Must be removed to use the jib.



Auxiliary winch speed:

First layer

- Low speed - 147.6 fpm (45 m/min)
- High speed - 295.2 fpm (90 m/min)

Fifth layer

- Low speed - 192 fpm (58.5 m/min)
- High speed - 384 fpm (117 m/min)



- Hook block - 45 T (40.8 mT)
- Hook block - 50 T (45.4 mT)
- Hook block - 60 T (54.4 mT) Quick Reeve
- Hook block - 70 T (63.5 mT) Quick Reeve
- Top swivel ball with hook and latch 7 T (6.4 mT)



2-person man basket - Steel

- Non-rotating (600 lbs. cap.)
- Rotating (1,200 lbs. cap.)
- Rotating (1,200 lbs. cap.) 2/quick attach

Operator Aids



3rd Wrap limiter, main and auxiliary winch

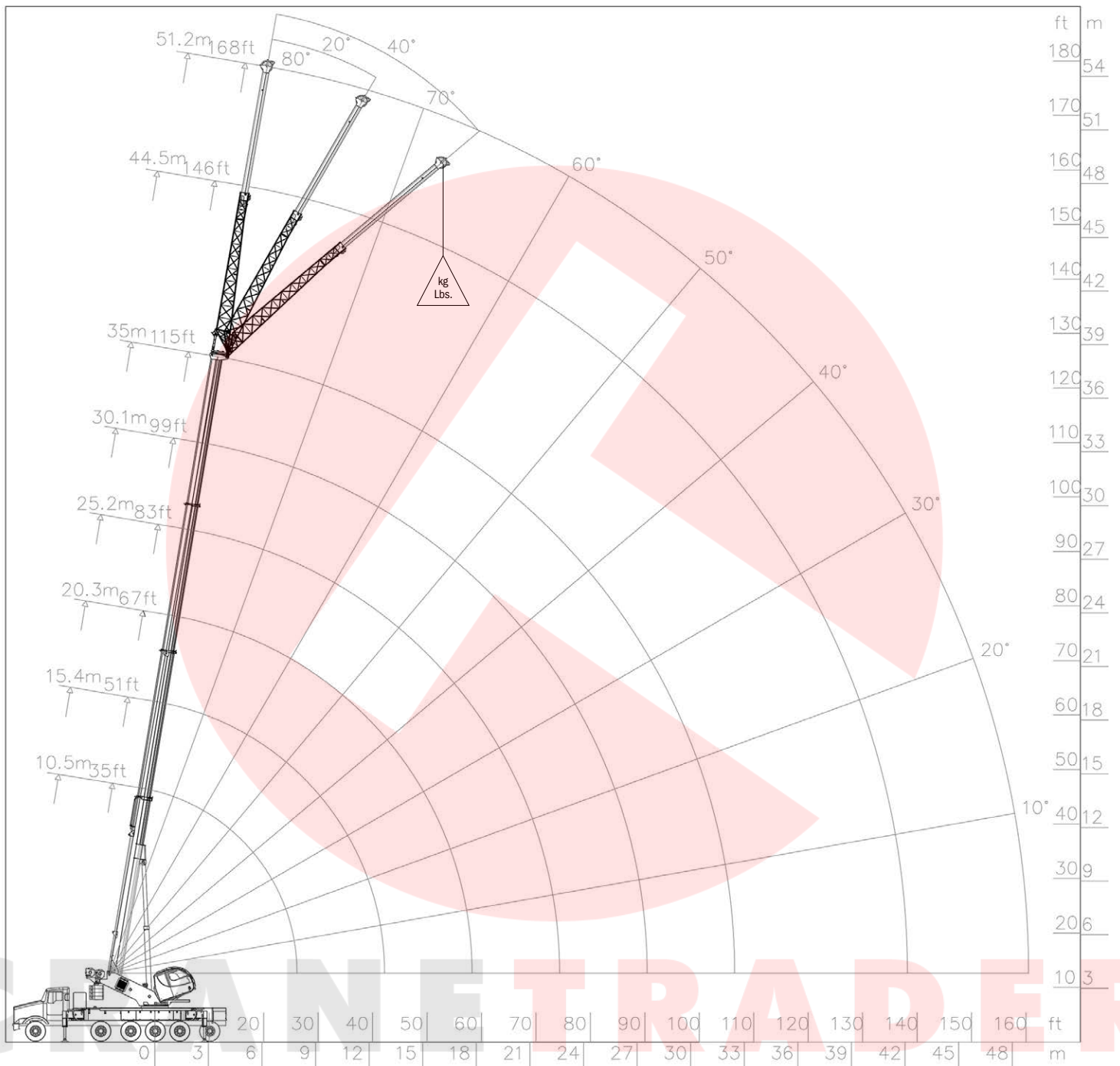


4-Function radio remote crane control system

- 900 Mhz
- 433 Mhz



BOOM DIAGRAM - Imperial & Metric

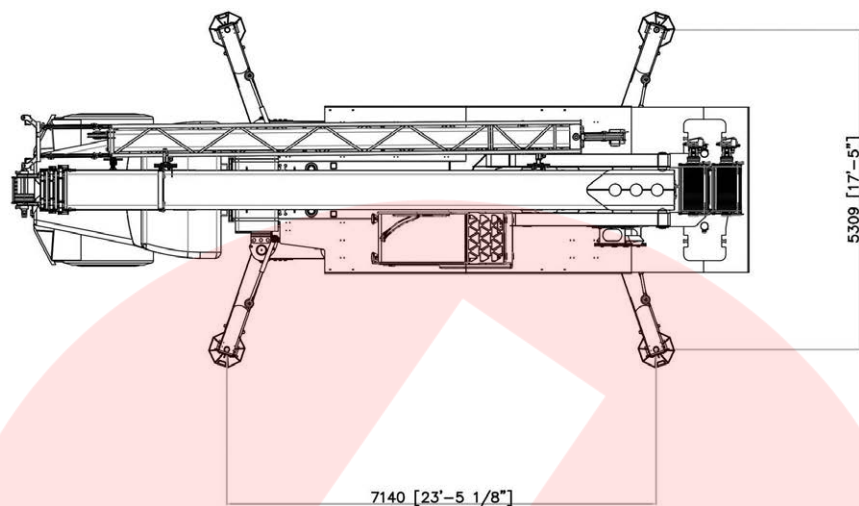


Data published herein is intended as a guide only. Crane operation is subject to the computer charts and operation manual supplied with the crane.

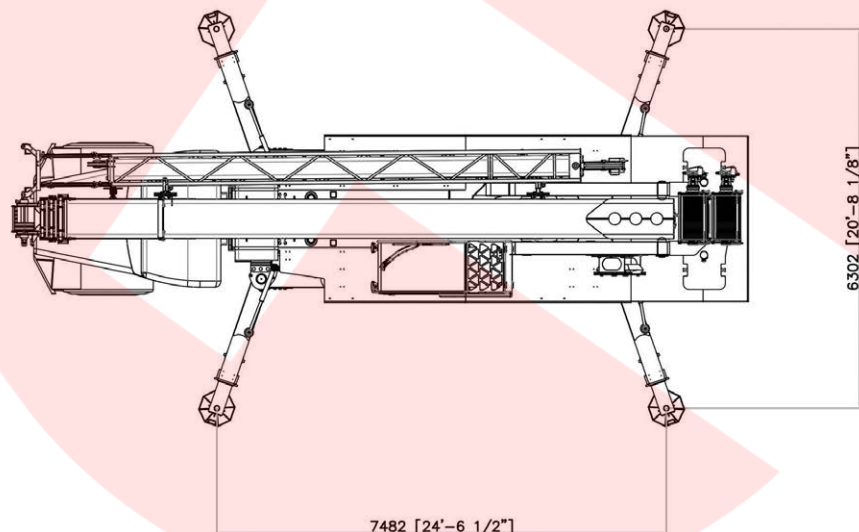


OUTRIGGER EXTENSION

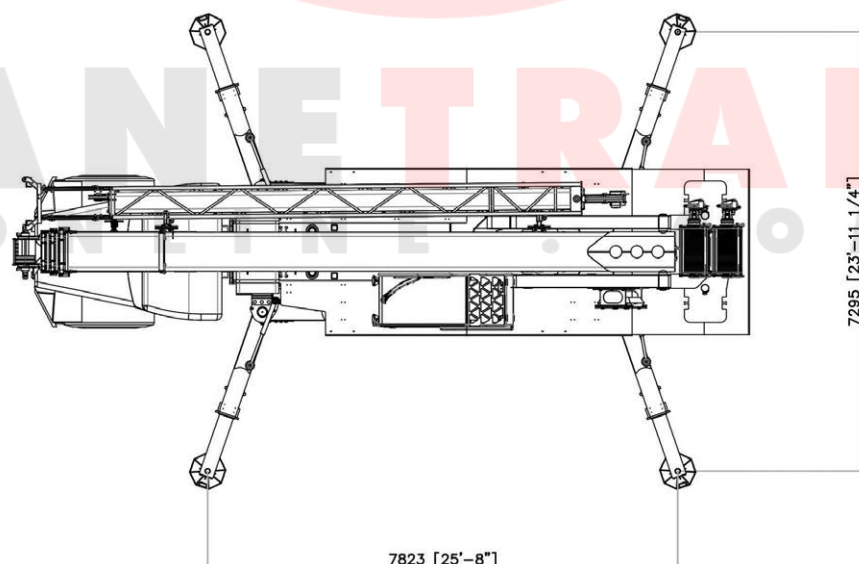
FULL RETRACTION



MIDDLE EXTENSION



FULL EXTENSION



Data published herein is intended as a guide only. Crane operation is subject to the computer charts and operation manual supplied with the crane.



PRELIMINARY LOAD CHART: Main Boom - Metric Units

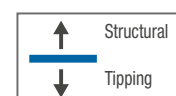
Lifting Capacities 4 Section Boom 11.7 m - 35 m

 9,979 kg
  7.29 m
  360°

70 Ton	11.7 m Boom		15.4 m Boom		20.3 m Boom		25.2 m Boom		30.1 m Boom		35 m Boom	
	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)
2.4 m	67°	63,503	75.4°	36,287	79.6°	33,838						
2.7 m	65.1°	57,901	74.2°	36,287	78.8°	32,976						
3 m	63.2°	54,431	73°	36,287	77.9°	32,114						
3.4 m	61.2°	51,120	71.8°	36,287	77.1°	31,298						
3.7 m	59.2°	47,967	70.6°	36,287	76.2°	30,459						
4 m	57.1°	44,974	69.4°	36,287	75.3°	29,642	79°	24,381				
4.3 m	55°	42,161	68.1°	36,287	74.5°	28,848	78.4°	23,859				
4.6 m	52.8°	39,508	66.8°	35,562	73.6°	28,077	77.7°	23,337				
4.9 m	50.5°	37,013	65.6°	34,042	72.7°	27,306	77°	22,816	79.8°	18,507		
5.2 m	48.1°	34,677	64.2°	32,591	71.8°	26,535	76.3°	22,317	79.2°	18,166		
5.5 m	45.6°	32,500	62.9°	31,162	70.8°	25,809	75.6°	21,818	78.7°	17,826		
5.8 m	43°	30,481	61.6°	29,801	69.9°	25,061	74.9°	21,319	78.1°	17,509		
6.1 m	40.2°	28,644	60.2°	28,486	69°	24,358	74.2°	20,820	77.6°	17,168		
6.7 m	33.9°	25,424	57.4°	26,041	67.1°	22,952	72.8°	19,867	76.4°	16,533		
7.3 m	26.1°	22,861	54.5°	23,723	65.1°	21,614	71.3°	18,937	75.3°	15,898	78.1°	13,857
7.9 m	12.9°	20,956	51.5°	21,636	63.2°	20,321	69.8°	18,053	74.1°	15,286	77.1°	13,381
8.5 m			48.3°	19,731	61.6°	19,096	68.3°	17,168	72.9°	14,674	76.2°	12,927
9.1 m			44.9°	18,053	59°	17,917	66.8°	16,329	71.7°	14,107	75.2°	12,474
9.8 m			41.3°	16,556	56.9°	16,783	65.2°	15,490	70.5°	13,517	74.2°	12,020
10.4 m			37.3°	15,241	54.7°	15,694	63.6°	14,696	69.3°	12,973	73.2°	11,589
11 m			32.9°	14,129	52.4°	14,674	62°	13,948	68°	12,428	72.2°	11,158
11.6 m			27.8°	13,222	50°	13,721	60.3°	13,200	66.7°	11,884	71.1°	10,727
12.2 m			21.4°	12,519	47.5°	12,791	58.6°	12,474	65.4°	11,385	70.1°	10,319
13.7 m					40.8°	10,727	54.2°	10,841	62°	10,160	67.3°	9,344
15.2 m					32.7°	9,004	49.4°	9,344	58.5°	9,026	64.5°	8,414
16.8 m					21.9°	7,620	44.1°	8,029	54.7°	7,961	61.6°	7,575
18.3 m							38.3°	6,872	50.8°	7,008	58.5°	6,759
19.8 m							31.4°	5,897	46.5°	6,146	55.2°	6,033
21.3 m							22.5°	5,080	41.8°	5,352	51.8°	5,352
22.9 m							10°	4,445	36.7°	4,672	48.2°	4,717
24.4 m									30.7°	4,060	44.4°	4,173
25.9 m									23.1	3,538	40.2°	3,651
27.4 m									9.5°	3,130	35.5°	3,221
29 m											30.2°	2,835
30.5 m											23.7°	2,517
32 m											13.6°	2,268

NOTES:

- All loads rated at 360° pick
- Loads based on crane on outriggers
- All "on outriggers" loads are based on 85% tipping
- Loads above heavy line are based on structural rating
- Loads below heavy line are based on tipping rating



Data published herein is intended as a guide only. Crane operation is subject to the computer charts and operation manual supplied with the crane.



PRELIMINARY JIB LOAD CHART

53 ft. (16.1 m) Extended Jib

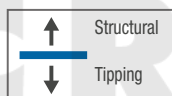
22,000 lb. (9,979 kg) 23 ft. 11.25 in. (7.29 m) 360°

Imperial Units

70 Ton	53 ft. Extended Jib (boom length 168 ft.)		
Load Radius (ft.)	0° Offset	20° Offset	40° Offset
35 ft.	7,000		
40 ft.	6,800		
45 ft.	6,600		
50 ft.	6,400	4,750	
55 ft.	6,150	4,600	
60 ft.	5,950	4,500	
65 ft.	5,750	4,350	3,350
70 ft.	5,550	4,250	3,300
75 ft.	5,300	4,100	3,200
80 ft.	5,100	3,950	3,150
85 ft.	4,900	3,850	3,050
90 ft.	4,700	3,700	3,000
95 ft.	4,500	3,600	2,950
100 ft.	4,250	3,450	2,900
105 ft.	4,050	3,300	2,800
110 ft.	3,850	3,200	2,750
115 ft.	3,650	3,050	2,700
120 ft.	3,450	2,950	2,650
125 ft.	3,250	2,800	2,600
130 ft.	3,050	2,650	2,500
135 ft.	2,850	2,550	2,450
140 ft.	2,200	1,950	1,950
145 ft.	1,850	1,750	1,750
150 ft.	1,550	1,550	1,550
155 ft.	1,300	1,300	

Metric Units

70 Ton	16.1 m Extended Jib (boom length 51.2 m)		
Load Radius (m)	0° Offset	20° Offset	40° Offset
10.67 m	3,175		
12.19 m	3,084		
13.72 m	2,994		
15.24 m	2,903	2,155	
16.76 m	2,790	2,087	
18.29 m	2,699	2,041	
19.81 m	2,608	1,973	1,520
21.34 m	2,517	1,928	1,497
22.86 m	2,404	1,860	1,451
24.38 m	2,313	1,792	1,429
25.91 m	2,223	1,746	1,383
27.43 m	2,132	1,678	1,361
28.96 m	2,041	1,633	1,338
30.48 m	1,928	1,565	1,315
32.00 m	1,837	1,497	1,270
33.53 m	1,746	1,451	1,247
35.05 m	1,656	1,383	1,225
36.58 m	1,565	1,338	1,202
38.10 m	1,474	1,270	1,179
39.62 m	1,383	1,202	1,134
41.15 m	1,293	1,157	1,111
42.67 m	998	885	885
44.20 m	839	794	794
45.72 m	703	703	703
47.24 m	590	590	



NOTES:

1. Switch point from retracted boom to next boom length not to be more than (2) two feet.
2. Interpolated for boom angles not shown.
3. Shaded loads do not appear on the load chart. The LMI will show these loads as out of range, but, the warning horn and shut off will not operate if loads are within the capacities shown.

WARNING

- Anti-two block system must be in good operating condition before operating crane.
- Refer to the owner's manual.
- Keep at least 3 wraps of load line on the drum at all times.

Data published herein is intended as a guide only. Crane operation is subject to the computer charts and operation manual supplied with the crane.



PRELIMINARY JIB LOAD CHART

53 ft. (16.1 m) Extended Jib

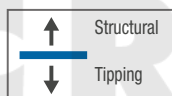
22,000 lb. (9,979 kg) 23 ft. 11.25 in. (7.29 m) 360°

Imperial Units

70 Ton	53 ft. Extended Jib (boom length 168 ft.)		
Load Radius (ft.)	0° Offset	20° Offset	40° Offset
35 ft.	7,000		
40 ft.	6,800		
45 ft.	6,600		
50 ft.	6,400	4,750	
55 ft.	6,150	4,600	
60 ft.	5,950	4,500	
65 ft.	5,750	4,350	3,350
70 ft.	5,550	4,250	3,300
75 ft.	5,300	4,100	3,200
80 ft.	5,100	3,950	3,150
85 ft.	4,900	3,850	3,050
90 ft.	4,700	3,700	3,000
95 ft.	4,500	3,600	2,950
100 ft.	4,250	3,450	2,900
105 ft.	4,050	3,300	2,800
110 ft.	3,850	3,200	2,750
115 ft.	3,650	3,050	2,700
120 ft.	3,450	2,950	2,650
125 ft.	3,250	2,800	2,600
130 ft.	3,050	2,650	2,500
135 ft.	2,850	2,550	2,450
140 ft.	2,200	1,950	1,950
145 ft.	1,850	1,750	1,750
150 ft.	1,550	1,550	1,550
155 ft.	1,300	1,300	

Metric Units

70 Ton	16.1 m Extended Jib (boom length 51.2 m)		
Load Radius (m)	0° Offset	20° Offset	40° Offset
10.67 m	3,175		
12.19 m	3,084		
13.72 m	2,994		
15.24 m	2,903	2,155	
16.76 m	2,790	2,087	
18.29 m	2,699	2,041	
19.81 m	2,608	1,973	1,520
21.34 m	2,517	1,928	1,497
22.86 m	2,404	1,860	1,451
24.38 m	2,313	1,792	1,429
25.91 m	2,223	1,746	1,383
27.43 m	2,132	1,678	1,361
28.96 m	2,041	1,633	1,338
30.48 m	1,928	1,565	1,315
32.00 m	1,837	1,497	1,270
33.53 m	1,746	1,451	1,247
35.05 m	1,656	1,383	1,225
36.58 m	1,565	1,338	1,202
38.10 m	1,474	1,270	1,179
39.62 m	1,383	1,202	1,134
41.15 m	1,293	1,157	1,111
42.67 m	998	885	885
44.20 m	839	794	794
45.72 m	703	703	703
47.24 m	590	590	



NOTES:

1. Switch point from retracted boom to next boom length not to be more than (2) two feet.
2. Interpolated for boom angles not shown.
3. Shaded loads do not appear on the load chart. The LMI will show these loads as out of range, but, the warning horn and shut off will not operate if loads are within the capacities shown.

WARNING

- Anti-two block system must be in good operating condition before operating crane.
- Refer to the owner's manual.
- Keep at least 3 wraps of load line on the drum at all times.

Data published herein is intended as a guide only. Crane operation is subject to the computer charts and operation manual supplied with the crane.



PRELIMINARY LOAD CHART: Main Boom - Metric Units

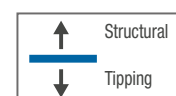
Lifting Capacities 4 Section Boom 11.7 m - 35 m

 9,979 kg
  7.29 m
  360°

70 Ton	11.7 m Boom		15.4 m Boom		20.3 m Boom		25.2 m Boom		30.1 m Boom		35 m Boom	
	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)	Boom Angle (deg)	360° Deg (kg)
2.4 m	67°	63,503	75.4°	36,287	79.6°	33,838						
2.7 m	65.1°	57,901	74.2°	36,287	78.8°	32,976						
3 m	63.2°	54,431	73°	36,287	77.9°	32,114						
3.4 m	61.2°	51,120	71.8°	36,287	77.1°	31,298						
3.7 m	59.2°	47,967	70.6°	36,287	76.2°	30,459						
4 m	57.1°	44,974	69.4°	36,287	75.3°	29,642	79°	24,381				
4.3 m	55°	42,161	68.1°	36,287	74.5°	28,848	78.4°	23,859				
4.6 m	52.8°	39,508	66.8°	35,562	73.6°	28,077	77.7°	23,337				
4.9 m	50.5°	37,013	65.6°	34,042	72.7°	27,306	77°	22,816	79.8°	18,507		
5.2 m	48.1°	34,677	64.2°	32,591	71.8°	26,535	76.3°	22,317	79.2°	18,166		
5.5 m	45.6°	32,500	62.9°	31,162	70.8°	25,809	75.6°	21,818	78.7°	17,826		
5.8 m	43°	30,481	61.6°	29,801	69.9°	25,061	74.9°	21,319	78.1°	17,509		
6.1 m	40.2°	28,644	60.2°	28,486	69°	24,358	74.2°	20,820	77.6°	17,168		
6.7 m	33.9°	25,424	57.4°	26,041	67.1°	22,952	72.8°	19,867	76.4°	16,533		
7.3 m	26.1°	22,861	54.5°	23,723	65.1°	21,614	71.3°	18,937	75.3°	15,898	78.1°	13,857
7.9 m	12.9°	20,956	51.5°	21,636	63.2°	20,321	69.8°	18,053	74.1°	15,286	77.1°	13,381
8.5 m			48.3°	19,731	61.6°	19,096	68.3°	17,168	72.9°	14,674	76.2°	12,927
9.1 m			44.9°	18,053	59°	17,917	66.8°	16,329	71.7°	14,107	75.2°	12,474
9.8 m			41.3°	16,556	56.9°	16,783	65.2°	15,490	70.5°	13,517	74.2°	12,020
10.4 m			37.3°	15,241	54.7°	15,694	63.6°	14,696	69.3°	12,973	73.2°	11,589
11 m			32.9°	14,129	52.4°	14,674	62°	13,948	68°	12,428	72.2°	11,158
11.6 m			27.8°	13,222	50°	13,721	60.3°	13,200	66.7°	11,884	71.1°	10,727
12.2 m			21.4°	12,519	47.5°	12,791	58.6°	12,474	65.4°	11,385	70.1°	10,319
13.7 m					40.8°	10,727	54.2°	10,841	62°	10,160	67.3°	9,344
15.2 m					32.7°	9,004	49.4°	9,344	58.5°	9,026	64.5°	8,414
16.8 m					21.9°	7,620	44.1°	8,029	54.7°	7,961	61.6°	7,575
18.3 m							38.3°	6,872	50.8°	7,008	58.5°	6,759
19.8 m							31.4°	5,897	46.5°	6,146	55.2°	6,033
21.3 m							22.5°	5,080	41.8°	5,352	51.8°	5,352
22.9 m							10°	4,445	36.7°	4,672	48.2°	4,717
24.4 m									30.7°	4,060	44.4°	4,173
25.9 m									23.1	3,538	40.2°	3,651
27.4 m									9.5°	3,130	35.5°	3,221
29 m											30.2°	2,835
30.5 m											23.7°	2,517
32 m											13.6°	2,268

NOTES:

- All loads rated at 360° pick
- Loads based on crane on outriggers
- All "on outriggers" loads are based on 85% tipping
- Loads above heavy line are based on structural rating
- Loads below heavy line are based on tipping rating

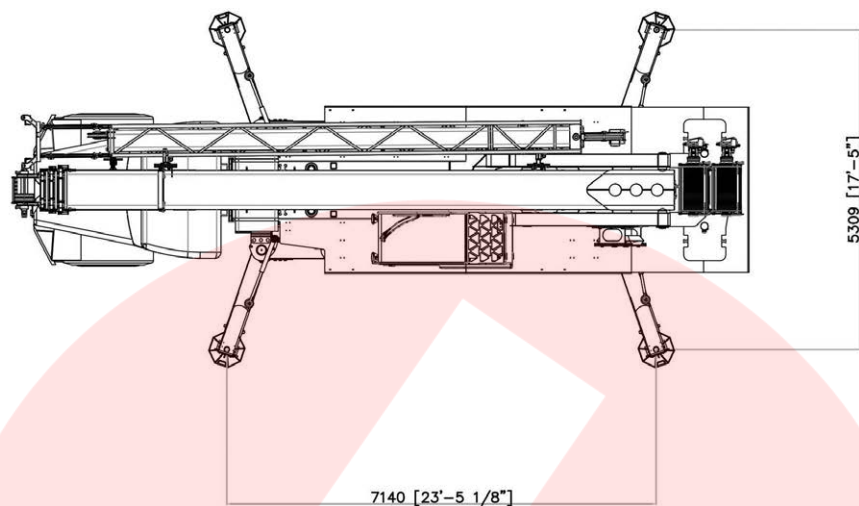


Data published herein is intended as a guide only. Crane operation is subject to the computer charts and operation manual supplied with the crane.

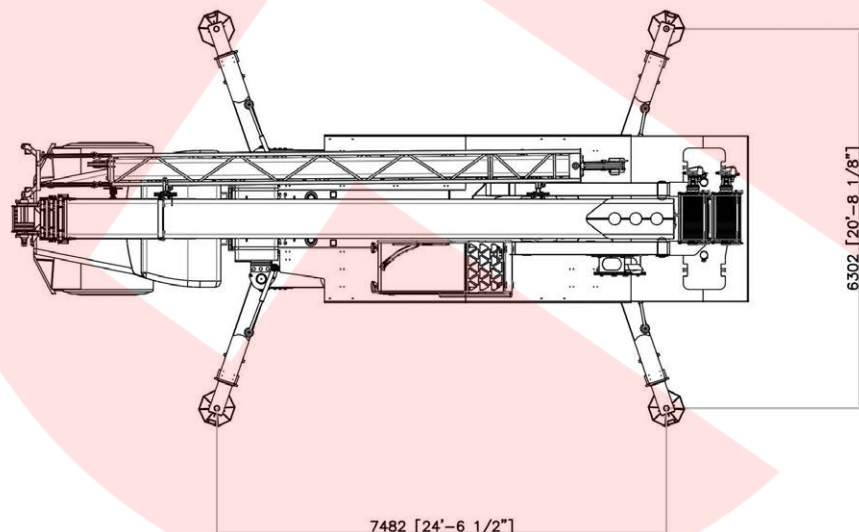


OUTRIGGER EXTENSION

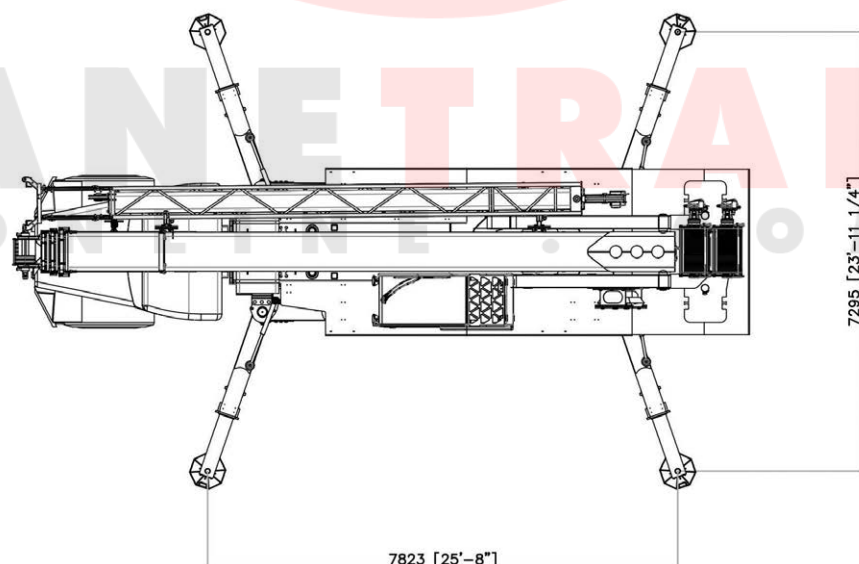
FULL RETRACTION



MIDDLE EXTENSION



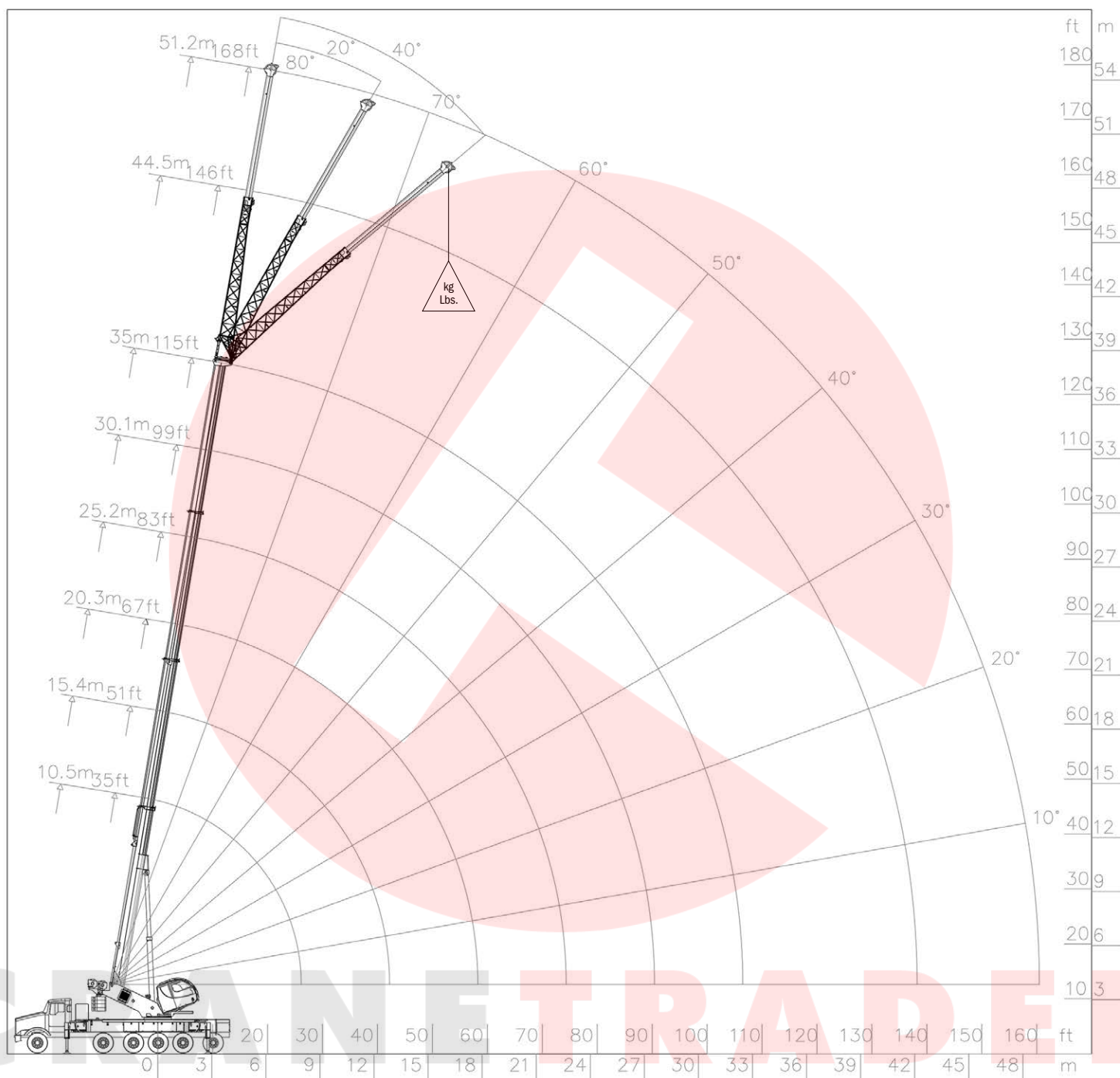
FULL EXTENSION



Data published herein is intended as a guide only. Crane operation is subject to the computer charts and operation manual supplied with the crane.



BOOM DIAGRAM - Imperial & Metric



Data published herein is intended as a guide only. Crane operation is subject to the computer charts and operation manual supplied with the crane.



TECHNICAL DESCRIPTIONS

Cab/Cab Controls



- Joystick controls
- Boom extend/retract – slider thumb-switch
- Boom hoist/lower
- Main and auxiliary winch (optional) with thumpers
- Turret swing
- Thumb slide switch for engine rpm
- Foot pedal controls (engine rpm & swing brake)
- Electric over hydraulic controls system using 12 V system controls with Parker IQAN CANBUS system
- Swing lock switch

Counterweight



Counterweights:

Main counterweight with integrated hydraulic mounting system

Hydraulic cylinders allow counterweights to be easily removed and attached without additional lifting devices for placement on the deck of the carrier.



- 1 x Counterweight: 5,500 lbs. (2,495 kg)



- 2 x Counterweight: 11,000 lbs. (4,990 kg)



- 3 x Counterweight: 16,500 lbs. (7,490 kg)



- Full Counterweight: 22,000 lbs. (9,980 Kg)

Operator Aids



- Wired LMI with crane function cut-offs for overload protection
- Graphical display
- Event recorder
- WADS - Work Area Definition System
- Wired anti-two block system

Optional Equipment



Crane cab air conditioner

Tool Box: Multiple configurations

Optional Equipment

Jib



Swing on jib
Angular offset: 0°, 20°, 40°



Max. boom length with extension:
185 ft. (56.4 m)

Min. boom length with extension:
146 ft. (44.5 m)



Fixed length: 31 ft. (9.45 m)
Extended length: 51 ft. (16.1 m)

Hoist, Rope and Hook



Auxiliary head: Installs only to main boom.
Must be removed to use the jib.



Auxiliary winch speed:

First layer

- Low speed - 147.6 fpm (45 m/min)
- High speed - 295.2 fpm (90 m/min)

Fifth layer

- Low speed - 192 fpm (58.5 m/min)
- High speed - 384 fpm (117 m/min)



- Hook block - 45 T (40.8 mT)
- Hook block - 50 T (45.4 mT)
- Hook block - 60 T (54.4 mT) Quick Reeve
- Hook block - 70 T (63.5 mT) Quick Reeve
- Top swivel ball with hook and latch 7 T (6.4 mT)



2-person man basket - Steel

- Non-rotating (600 lbs. cap.)
- Rotating (1,200 lbs. cap.)
- Rotating (1,200 lbs. cap.) 2/quick attach

Operator Aids



3rd Wrap limiter, main and auxiliary winch



4-Function radio remote crane control system

- 900 Mhz
- 433 Mhz



KEY

	Operator aids / Load limiter / Indicator
	Cab
	Heating/Air conditioning
	Controls
	Hoist line speed
	1 - Main hoist 2 - Auxiliary winch
	Rope length
	Rope - Standard/optional
	Rope diameter
	Permissible line pull
	Maximum line pull
	Slewing / Allowable slewing range
	Slewing gears
	Slewing brake
	Outriggers / Lifting on outriggers
	Removable counterweight system
	Counterweight
	Radio remote control

	Hook block
	Distance from hook to head sheave pin
	Hook and ball
	Hydraulics
	Boom elevation angle
	Max. boom length with extension
	Boom extension with offset
	Boom angle
	Telescoping mode
	Working radius
	Boom length
	Hydraulic actuated boom
	Mechanical synchronized
	Boom head / Hook block dimension
	Main boom with auxiliary head
	Tip height
	2-Person man basket



PRELIMINARY CHASSIS DATA

KENWORTH T800

Minimum Chassis Requirements	lbs.	kg	Gross Vehicle Weight	lbs.	kg
Gross vehicle weight rating*	109,000	49,440	Base machine**	80,500	36,514
Front axle weight rating	40,000	31,298	Gross vehicle weight*	102,500	46,493
Rear axle weight rating	69,000	31,298	Front axle weight	35,600	16,148
			Rear axle weight	66,900	30,345
Chassis Dimensions	in.	m	Estimated Minimum Chassis Weight		
Wheelbase	289	7.3	Front axle	14,900	6,759
Cab to axle	251	6.4	Tridem axles	12,400	5,625
After frame	100	2.5	Total weight	27,300	12,383
Frame height (unloaded)	42	1.07			
Combined Frame Rail - RBM	lb./in.				
	5,484,000				

KENWORTH W900

Minimum Chassis Requirements	lbs.	kg	Gross Vehicle Weight	lbs.	kg
Gross vehicle weight rating*	102,000	46,266	Base machine**	84,666	38,400
Front axle weight rating	20,000	9,071	Base machine***	79,366	36,000
Rear axle weight rating	69,000	31,298	Gross vehicle weight*	101,300	45,949
Pusher axle	13,200	5,987	Front axle weight	19,700	8,936
Tag axle	13,200	5,987	Rear axle weight	56,600	25,673
Chassis Dimensions	in.	m	Estimated Minimum Chassis Weight		
Wheelbase	289	7.3	Front axle	10,500	4,763
Cab to axle	199	5	Tridem axles	13,300	6,033
After frame	162	4.1	Total weight	23,800	10,796
Frame height (unloaded)	42	1.07			
Combined Frame Rail - RBM	lb./in.				
	3,486,000				

* Weight with auxiliary winch, jib and full (20,000 lbs.) CWT
(CWT to travel must be stored with half on turret and half on subframe)

** Auxiliary winch, jib, zero added counterweight

*** Without auxiliary winch and jib

Effective Date: April 25, 2013

This document is non-contractual. This document is supplied for reference use only. We are constantly making improvements to our products and reserve the right that specification, equipment, and prices are all subject to change without notice or obligation.

The photographs, and /or images in this document are for illustrative purposes only and may include optional equipment and accessories and may not include all standard equipment.

Refer to the appropriate Operator's Manual and Load Charts for instructions on the proper use of this equipment to determine allowable crane lifting capacities, assembly and operating procedures.

Failure to follow the appropriate operator's manual or load chart(s) when using our equipment or to otherwise act irresponsibly may result in serious injury or death.

The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale. Manitex makes no other warranty, expressed or implied.

Products and services listed may be trademarks, service marks or trade-names of Manitex International and /or its subsidiaries in the USA and other countries.

All rights are reserved. Manitex® is a registered trademark of Manitex International, Inc. in the USA and many other countries.

Copyright 2013 Manitex Inc. Manitex Inc, Georgetown Texas, 78626



Manitex

39'-11" [12.2 m]
417.87
[10614 mm] STOWED / 115' EXTENDED
196.25
[4985 mm]

12'-3 1/2" [3.7 m]

108.00
[2745 mm]

100.00
[2540 mm]

251.00
[6375 mm] CT

288.94
[7349 mm]

48.50
[1232 mm]
72.16
[1833 mm]
122.52
[3112 mm]

12.72
[323 mm]

TC700

70-ton (63.5 mt) TELESCOPIC CRANE
PRELIMINARY PRODUCT GUIDE