

Absolutely The Best Crane Mats In The World.

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35 USt Lifting Capacity
Boom Truck Cranes
Datasheet
Imperial



Features: BT 70100

- > 35 US t @ 5 ft capacity at rated distance from center of rotation
- ▶ 100 ft maximum boom length
- ▶ 110 ft maximum sheave height
- 30.5/55 ft optional jib
- ▶ 163 ft maximum tip height with 55 ft jib
- ▶ Behind cab mounting with dual operator console
- Electronic rated capacity indicator
- Quick reeving boom head

WORKS FOR YOU.



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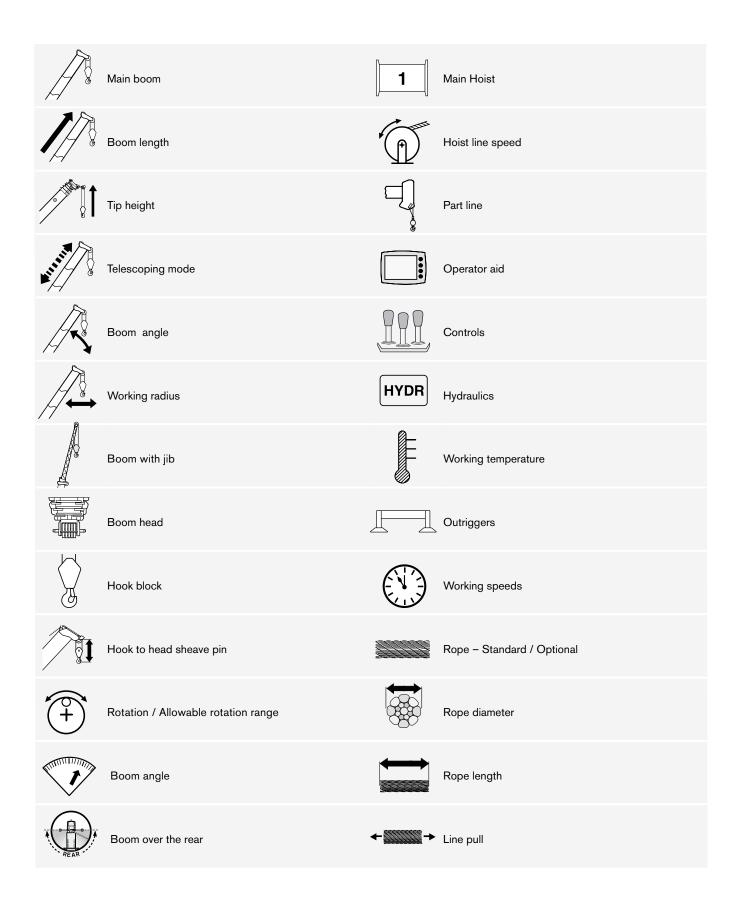
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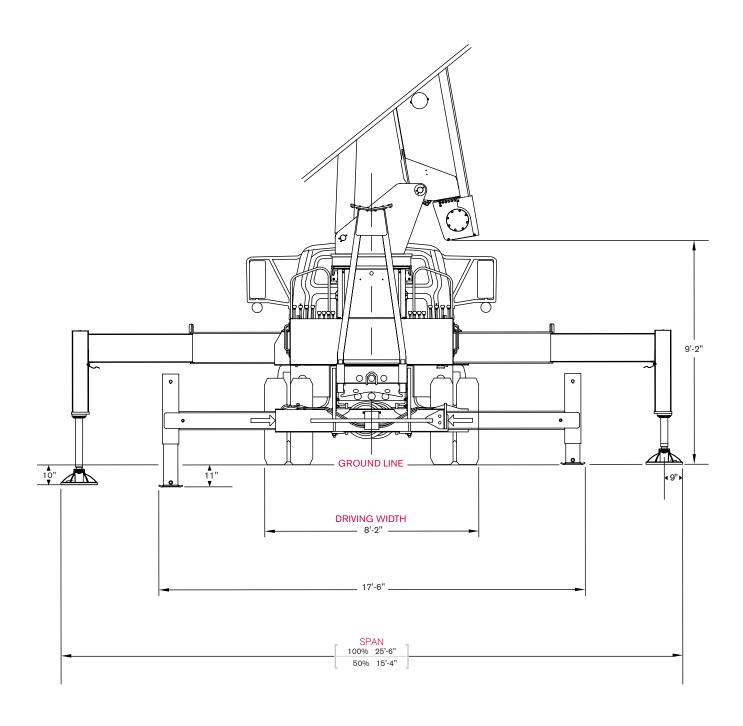






DIMENSIONS

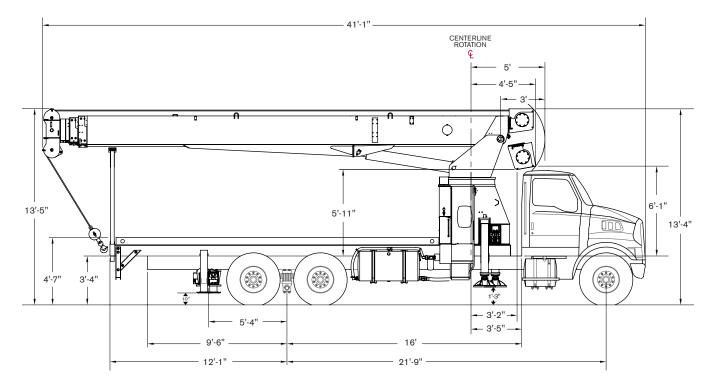
Crane Dimensions





DIMENSIONS

Crane Dimensions



Area of Operation

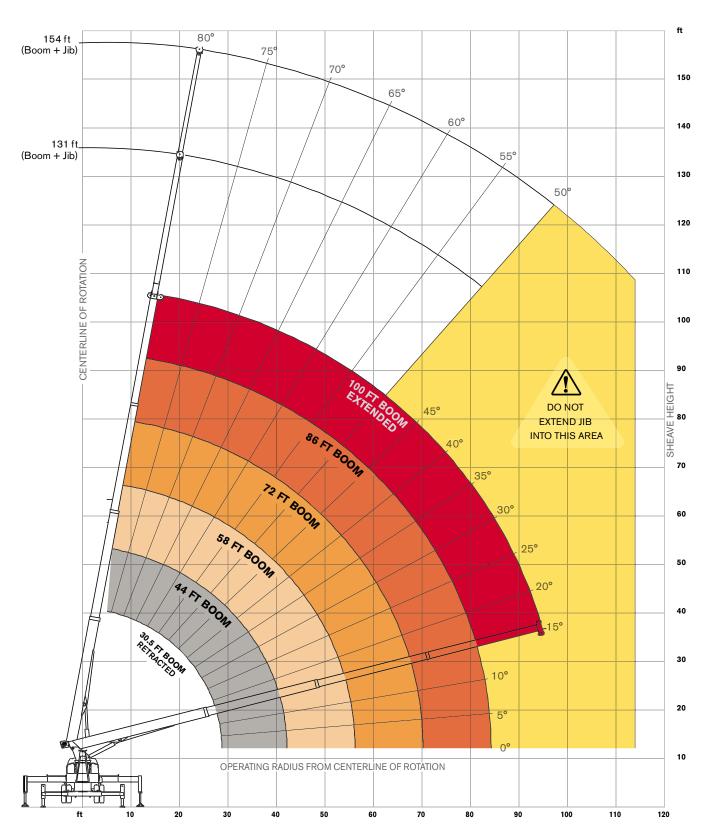


Mounting Specifications

Chassis Recommendation	
Gross Vehicle Weight Rating54,0	000 lb
Front Axle Weight Rating	000 lb
Rear Axle Weight Rating	000 lb
Wheelbase	/- 4 in
Cab to Axle	/- 4 in
Afterframe	/- 4 in
RBM per Frame Rail	0 lb/in
Frame Height (Unloaded)	40 in
Exhaust	t Side

Outriggers Fully Extended (100%)

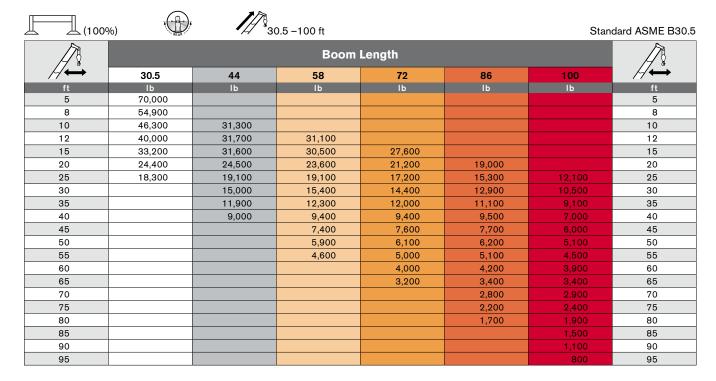




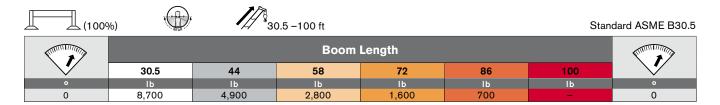


BOOM LOAD CHARTS

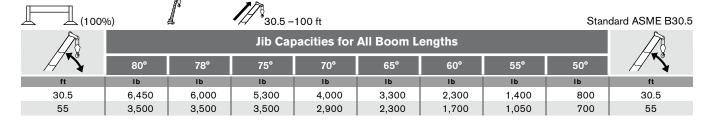
Outriggers Fully Extended (100%)



Boom at 0°



With Jib, Retracted and Extended



Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.

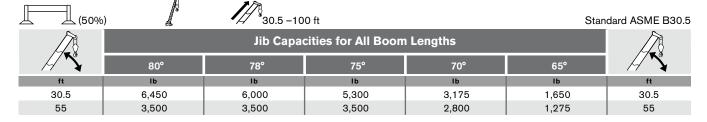
Outriggers Extended Mid-Position (50%)

(50%)	REAR		0.5 –100 ft			Stan	dard ASME B30.5
		Boom Length					
<i>/</i> -/ ←→	30.5	44	58	72	86	100	<i>/</i> -/ ←→
ft	lb	lb	lb	lb	lb	lb	ft
5	70,000						5
8	47,000						8
10	42,100	31,300					10
12	37,300	31,700	31,100				12
15	31,600	31,600	30,500	27,600			15
20	16,900	11,100	18,000	18,600	18,300		20
25	10,100	7,400	11,400	11,600	11,700	11,800	25
30		5,000	7,700	7,900	8,000	8,100	30
35		3,300	5,400	5,600	5,700	5,800	35
40			3,800	4,000	4,200	4,200	40
45			2,600	2,900	3,000	3,100	45
50			1,700	2,000	2,100	2,200	50
55			900	1,200	1,400	1,500	55
60						900	60

Boom at 0°

(50%)			0.5 –100 ft			Stan	dard ASME B30.5
			Boom	Length			
	30.5	44	58	72	86	100	'
0	lb	lb	lb	lb	lb	lb	0
0	7,100	2,700	-	-	-	_	0

With Jib, Retracted and Extended



Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

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BOOM LOAD CHARTS

Outriggers Fully Retracted (0%)

(0%)			0.5 –100 ft			Stan	dard ASME B30.5
	Boom Length						
/ //	30.5	44	58	72	86	100	<i>/</i> -/←→
ft	lb	lb	lb	lb	lb	lb	ft
5	43,700						5
8	25,400						8
10	16,100	16,800					10
12	11,200	11,900	12,200				12
15	7,000	7,800	8,100	8,200			15
20	3,300	4,200	4,500	4,700	4,800		20
25	1,300	2,200	2,600	2,800	2,900	3,000	25
30		1,000	1,400	1,600	1,800	1,800	30
25					000	1.000	25

Notes to lifting capacity

Lifting capacities do not exceed 75% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.

TECHNICAL DESCRIPTION

Boom, Jib and Rotation

	Full power fully synchronized telelscopic keel boom	4 sections
	Boom length	30.5–100 ft
*	Boom maximum sheave height	110 ft
	Boom elevation angle range (min/max) Boom up/down time Boom extension/retraction time	-8° / 82° 60 / 41 seconds 108 / 50 seconds
	Boom head	Quick reeving
	Maximum tip height: With optional jib 30.5-55 ft	163 ft
+	370° non-continuous rotation	

Operator Controls and Operator Aid

1	Hoist line pull	12,900 lb
	Hoist line speed (3rd layer)	196 ft/min
	Rope diameter	5/8 in
+	Breaking strength Permissible line pull	45,400 lb 12,900 lb
	Overhaul ball 1 Sheave block 2 Sheave block 3 Sheave block	7 US t 20 US t 30 US t 40 US t



TECHNICAL DESCRIPTION

1 part line 2 part line 3 part line 4 part line 5 part line 6 part line	12,971 lb / 75.6 ft/min 25,942 lb / 37.8 ft/min 38,913 lb / 25.2 ft/min 51,884 lb / 18.9 ft/min 64,855 lb / 15.1 ft/min 70,000 lb / 15.1 ft/min
Fully proportional Independent outrigger controls	
Rated capacity indicator	

Understructure

Front: Out and down,
To outer edge of pad
Rear: Out and down,
To outer edge of pad
17 ft 6 in

Optional Features

Two-stage jib

Rotation resistant rope

Multi-part load blocks

Main hoist with 2 speed motor

Heavy duty wood flatbeds

Extra heavy duty wood flatbeds

Extra heavy duty steel flatbeds

Radio remote controls

One-man or two-man baskets

Hoist drum tensioner

Continuous rotation

Oil cooler

Single front bumper outrigger

Hydraulic hose reel

Tool box

Effective Date: February 2014. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual 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 and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries.

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