

35 USt Lifting Capacity Boom Truck Cranes Datasheet Imperial



- ▶ 100 ft maximum boom length
- 110 ft maximum tip height
- 30.5/55 ft optional jib
- ▶ 163 ft maximum tip height with 55 ft jib
- Electronic rated capacity indicator
- Quick reeving boom head

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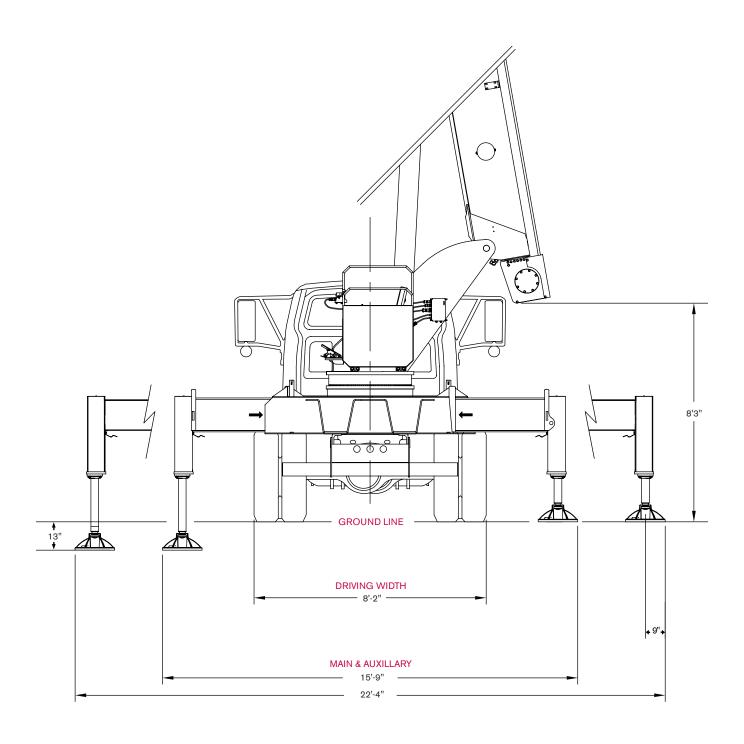






DIMENSIONS

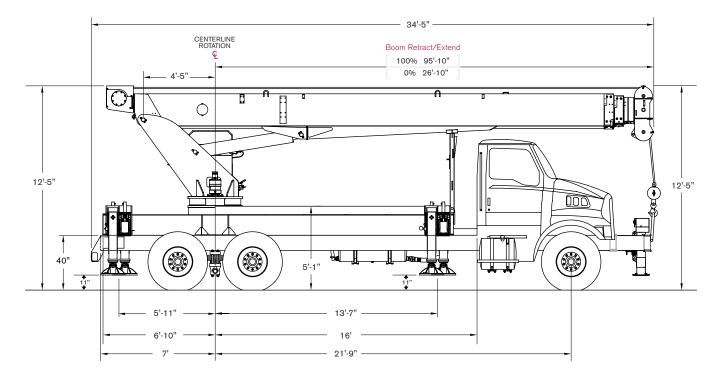
Crane Dimensions



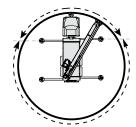


DIMENSIONS

Crane Dimensions



Area of Operation

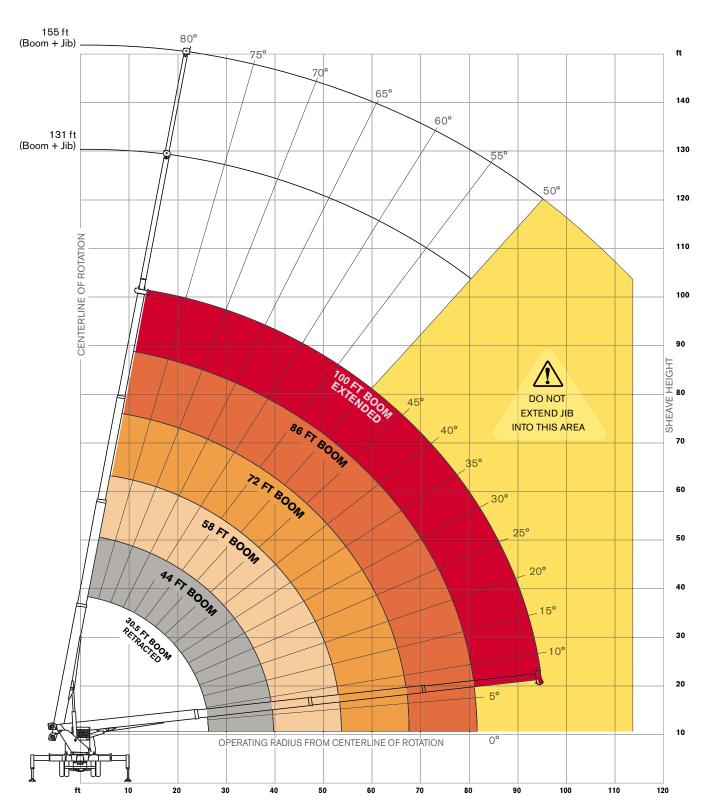


Mounting Specifications

Chassis Recommendation
Gross Vehicle Weight Rating
Front Axle Weight Rating
Rear Axle Weight Rating
Wheelbase
Crane Weight
Cab to Axle
Afterframe
RBM per Frame Rail
Frame Height (Unloaded)
Exhaust

Outriggers Fully Extended (100%)



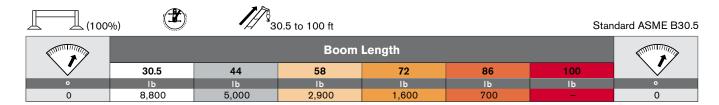




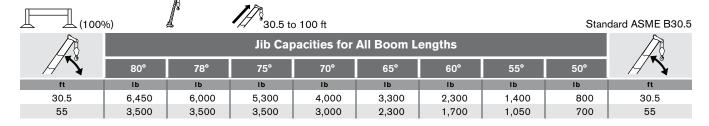
Outriggers Fully Extended (100%)

(100%	/o) 1	117830	0.5 to 100 ft			Stan	dard ASME B30.5
	Boom Length						
<i>/</i> -/ ←→	30.5	44	58	72	86	100	/√←
ft	lb	lb	lb	lb	lb	lb	ft
5	70,000						5
8	44,900						8
10	39,000	31,700					10
12	34,400	32,200	31,400				12
15	29,100	27,800	26,700	24,200			15
20	22,300	22,000	21,200	19,200	17,000		20
25	14,900	18,000	17,500	16,000	14,400	12,100	25
30		14,800	14,700	13,300	12,000	10,500	30
35		11,600	12,000	11,500	10,300	9,100	35
40			9,200	9,400	9,100	6,500	40
45			7,200	7,400	7,500	5,600	45
50			5,700	5,900	6,000	4,900	50
55				4,700	4,900	4,200	55
60				3,800	3,900	3,600	60
65				3,000	3,200	3,100	65
70					2,500	2,600	70
75					2,000	2,100	75
80					1,500	1,600	80
85						1.200	85
90						900	90
95						600	95

Boom at 0°



With Jib, Retracted and Extended



Notes to lifting capacity

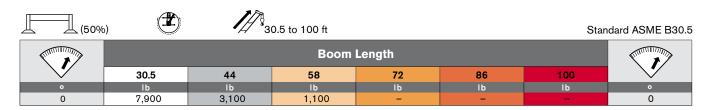
Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

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.

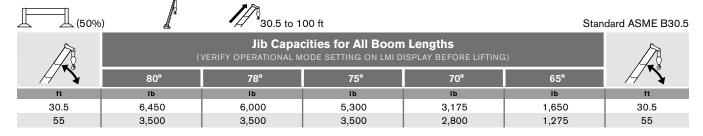
Outriggers Extended Mid-Position (50%)

(50%	(b)		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	44,900						8
10	39,000	31,700					10
12	34,400	32,200	31,400				12
15	27,200	27,800	26,700	24,200			15
20	14,800	15,500	15,900	16,100	16,300		20
25	8,900	9,900	10,300	10,500	10,600	10,700	25
30		6,800	7,100	7,300	7,400	7,500	30
35		4,600	5,000	5,200	5,300	5,400	35
40			3,600	3,800	3,900	4,000	40
45			2,500	2,700	2,900	2,900	45
50			1,600	1,900	2,000	2,100	50
55				1,300	1,400	1,500	55
60						1,000	60

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.

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Outriggers Fully Retracted (0%)

(0%)		173	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	64,700						55
8	26,100						8
10	16,200	17,000					10
12	11,000	11,700	12,100				12
15	6,600	7,300	7,700	7,900			15
20	2,600	3,600	3,900	4,100	4,200		20
25		1,500	1,900	2,100	2,200	2,200	25
30						1,000	30

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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TECHNICAL DESCRIPTION

Boom, Jib and Rotation

	Full power fully synchronized telelscopic keel boom	4 sections
	Boom length	30.5–100 ft
	Boom maximum tip height	110 ft
	Boom elevation angle range (min/max)	-8° / 82°
	Boom head	Quick reeving
	Maximum tip height: With optional jib 30.5-55 ft	163 ft
+	360° continuous rotation	

Operator Controls and Operator Aid

1	Hoist line pull	15,000 lb
	Hoist line speed (3rd layer)	196 ft/min
	Rope diameter	5/8 in
←∭	Breaking strength	45,400 lb
	Overhaul ball 1 Sheave block 2 Sheave block 4 Sheave block	7 US t 20 US t 30 US t 40 US t
	1 part line 2 part line 3 part line 4 part line 5 part line 6 part line	12,971 lb / 196 ft/min 25,942 lb / 98 ft/min 38,913 lb / 63 ft/min 51,884 lb / 49 ft/min 64,855 lb / 32 ft/min 70,000 lb / 32 ft/min





Understructure



Optional Features

Single or two-stage jib
Rotation resistant rope
Multi-part load blocks
Two-man baskets
Hoist drum tensioner
Tool box
Enclosed operator's cab with circulation fan only
Enclosed operator's cab with propane heater (No tank provided)

Effective Date: July 2015. 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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