



BOOM TRUCK CRANETM 3851

DATASHEET - IMPERIAL

TM 3851



Features

- ▶ 19 t @ 5 ft capacity at rated distance from center of rotation
- ▶ 51 ft maximum boom length
- ▶ 61 ft maximum tip height
- ▶ 18/29 ft optional jib
- > 90 ft maximum sheave height with 29 ft jib
- Quick reeving dual sheave boom head

WORKS FOR YOU.



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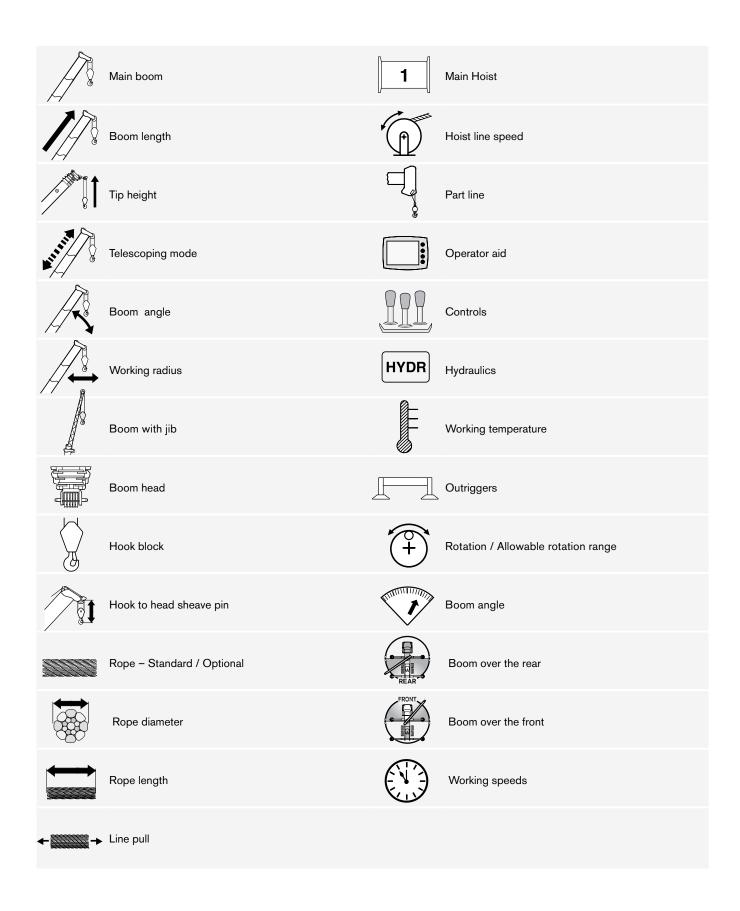
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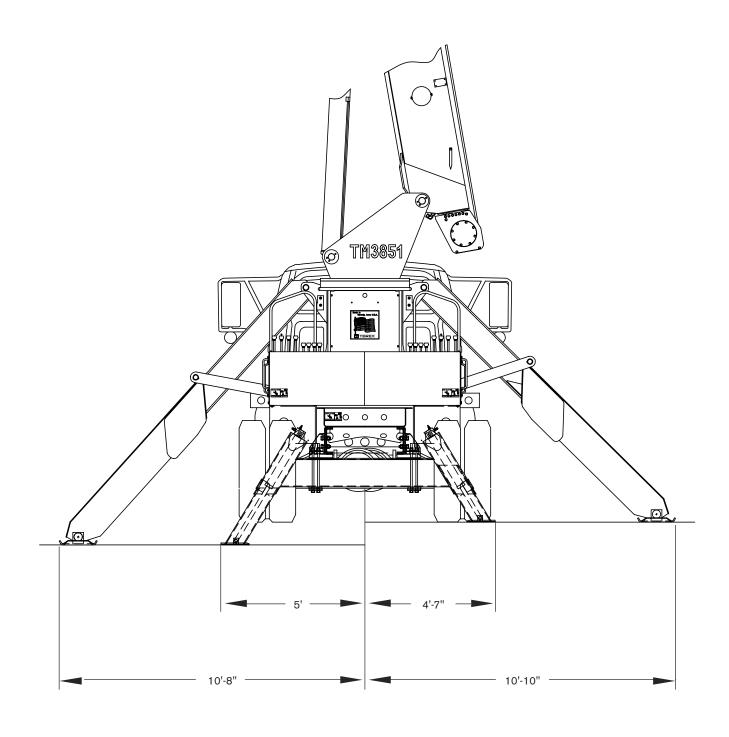




DIMENSIONS

TM 3851

Crane Dimensions



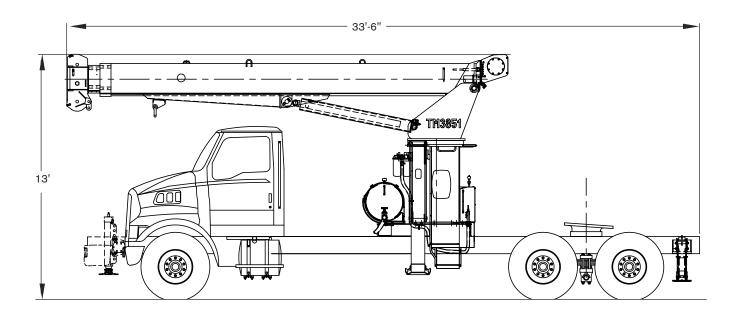




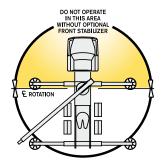
DIMENSIONS

TM 3851

Crane Dimensions



Area of Operation



Mounting Specifications

Gross Vehicle Weight Rating
Front Axle Weight Rating
Rear Axle Weight Rating
Wheelbase
Cab to Axle
Afterframe
RBM per Frame Rail

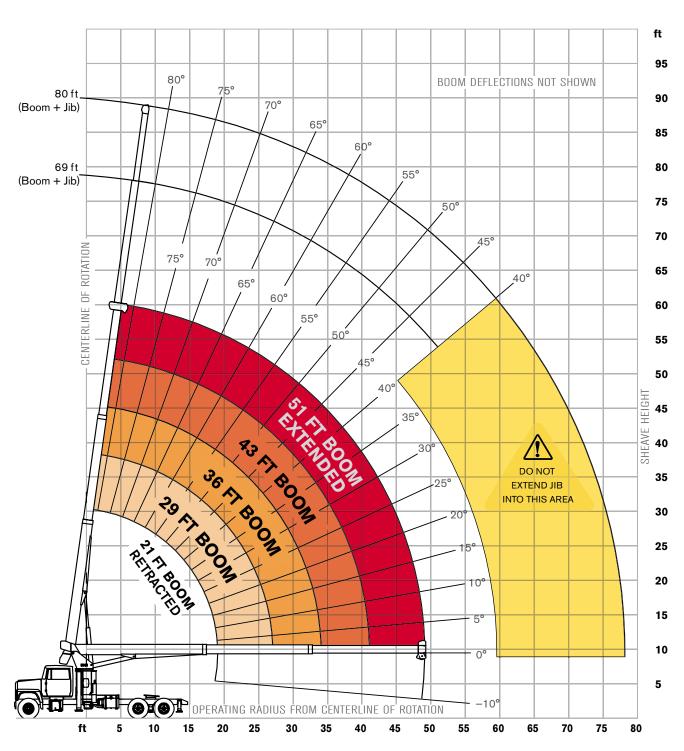


RANGE DIAGRAM

TM 3851

Outriggers Fully Extended (100%)









BOOM LOAD CHARTS

TM 3851

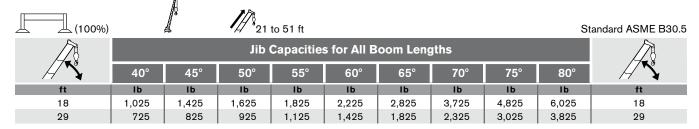
Outriggers Fully Extended (100%)

(100%)		21 to 51 ft	i.		St	andard ASME B30.5	
		Boom Length					
/-/ ← *	21	29	36	43	51	<i>/</i> -/ ⇔	
ft	lb	lb	lb	lb	lb	ft	
5	38,000					5	
8	28,200	25,550	24,850			8	
10	24,000	22,700	21,900	17,800	17,400	10	
12	20,900	19,800	19,000	15,400	15,000	12	
14	18,300	17,500	16,800	13,500	13,100	14	
16	16,000	15,700	15,100	12,100	11,700	16	
19	11,400	13,500	13,100	10,400	10,100	19	
23		11,000	11,000	8,725	8,425	23	
27		6,625	9,325	7,425	7,225	27	
30			8,025	7,225	6,525	30	
34			4,825	6,225	5,725	34	
38				5,025	5,425	38	
41				3,125	4,825	41	
45					4,025	45	
49					2,425	49	

Boom at 0°

(100%)	REAR	21 to 51 ft	t		St	andard ASME B30.5
Boom Length						
	21	29	36	43	51	
0	lb	lb	lb	lb	lb	0
0	9,000	6,000	4,000	2,800	2,000	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.



TECHNICAL DESCRIPTION

TM 3851

Boom, Jib and Rotation

	Three-section full power fully synchronized telelscopic keel boom	
	Boom length	21-51 ft
	Boom maximum sheave height	21 ft
	Boom elevation angle range (min/max)	-8° / 82°
	Boom up/down time Boom extension/retraction time	25/16 seconds 43/20 seconds
	Boom head	Quick reeving
	Maximum sheave height: boom with jib 18-29 ft	61 ft
(+)	360° non-continuous rotation	

Operator Controls

1	Hoist line pull	11,400 lb
	Hoist line speeds	163 ft/min
	Rope diameter	9/16"
	Overhaul ball 1 Sheave block 2 Sheave block	6.25 t 17.5 t 22.5 t
	1 part line 2 part line 3 part line 4 part line	9,600 lb 19,200 lb 28,800 lb 38,400 lb
	Fully proportional Independent outrigger controls	





TECHNICAL DESCRIPTION

TM 3851

Understructure



Front: Link-type To outer edge of pad

Rear: "A" pattern

To outer edge of pad

20 ft 5 in

10 ft 2 in

Optional Features

Two-stage jib

Rotation resistant rope

Multi-part load blocks

Main hoist with 2 speed motor

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



NOTES TM 3851





NOTES TM 3851



TM 3851

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Effective Date: October 2010. 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. Copyright 2010 Terex Corporation..

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