

# **STINGER** **25-92**



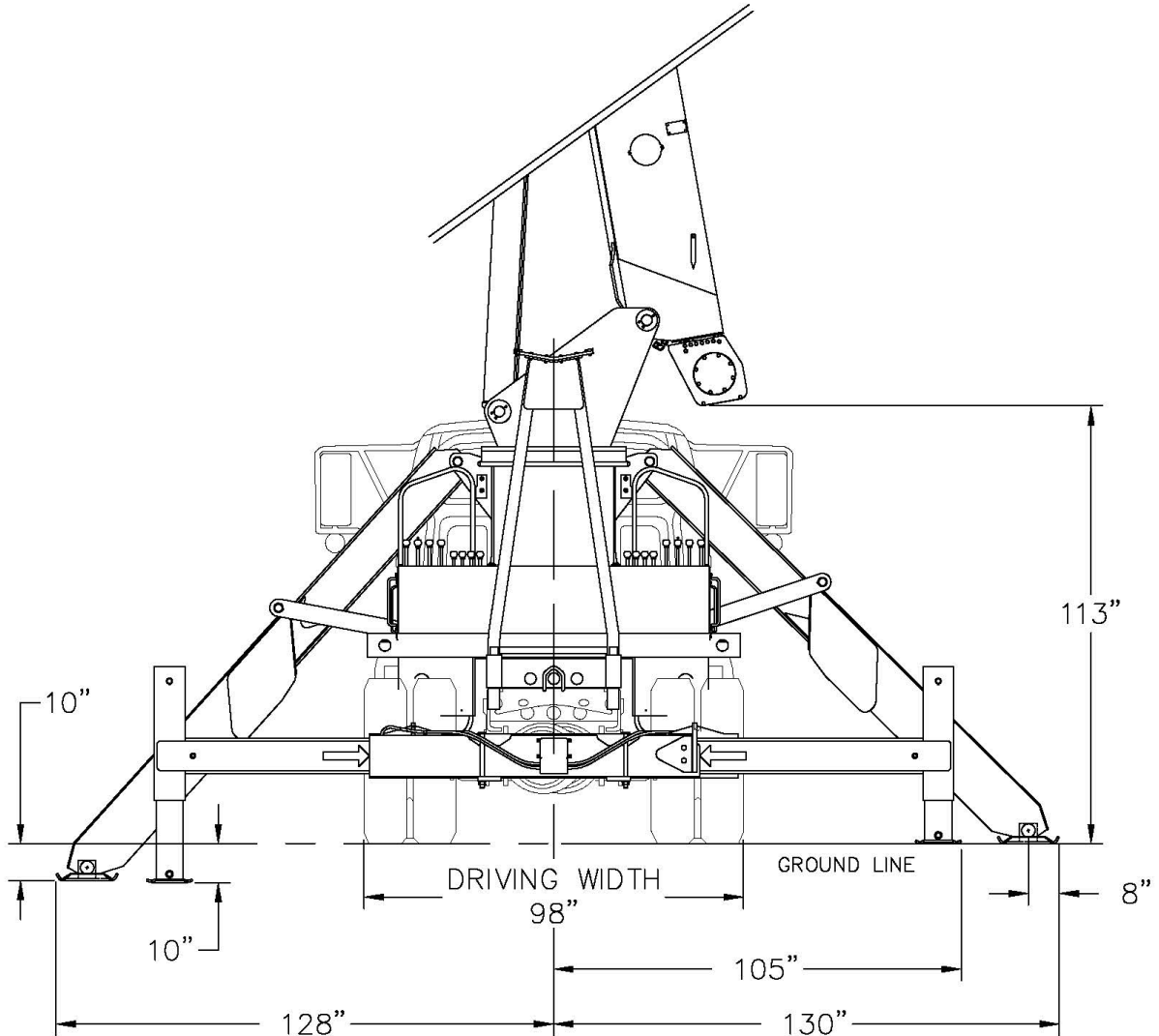
**Features: STINGER 25-92**

- 25 US t @ 5ft
- 92 ft maximum boom length
- 102 ft maximum tip height
- 26-44 ft optional jib
- 146 ft maximum tip height with 44 ft jib
- Electronic rated capacity indicator
- Quick reeving boom head

# DIMENSIONS

## STINGER 25-92

### Crane Dimensions

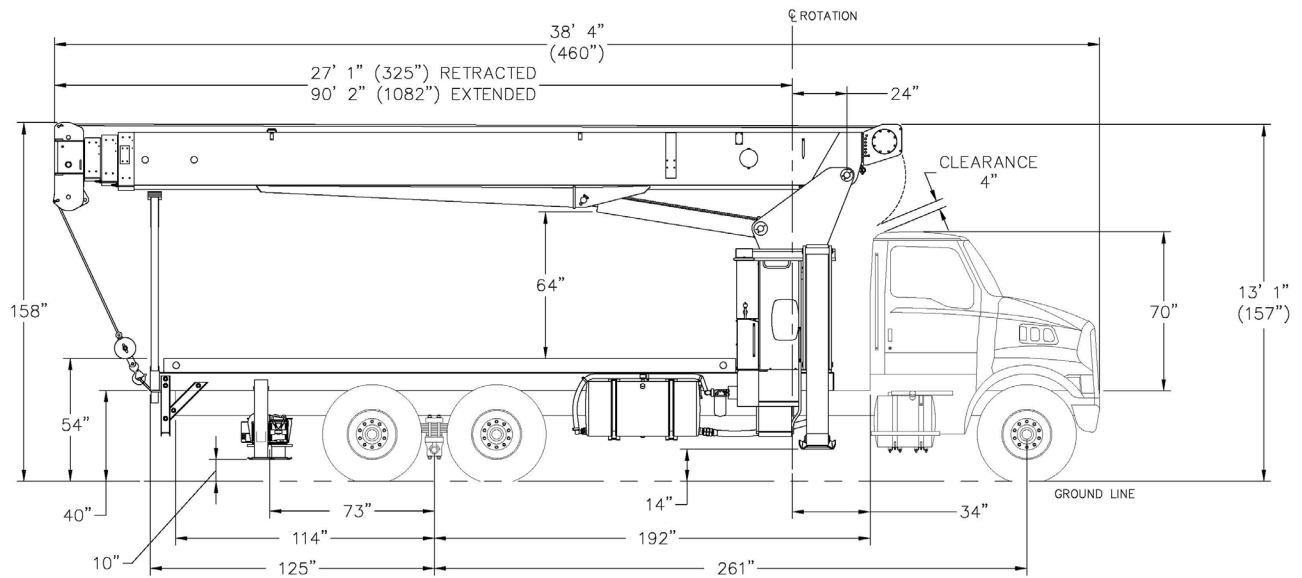


BASED ON 40" FRAME HEIGHT

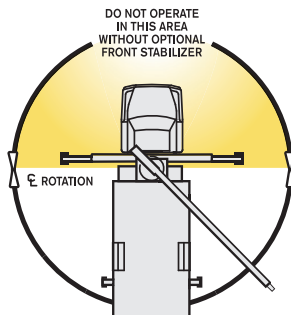
# DIMENSIONS

# STINGER 25-92

## Example Layout Drawing



## Area of Operation



## Mounting Specifications

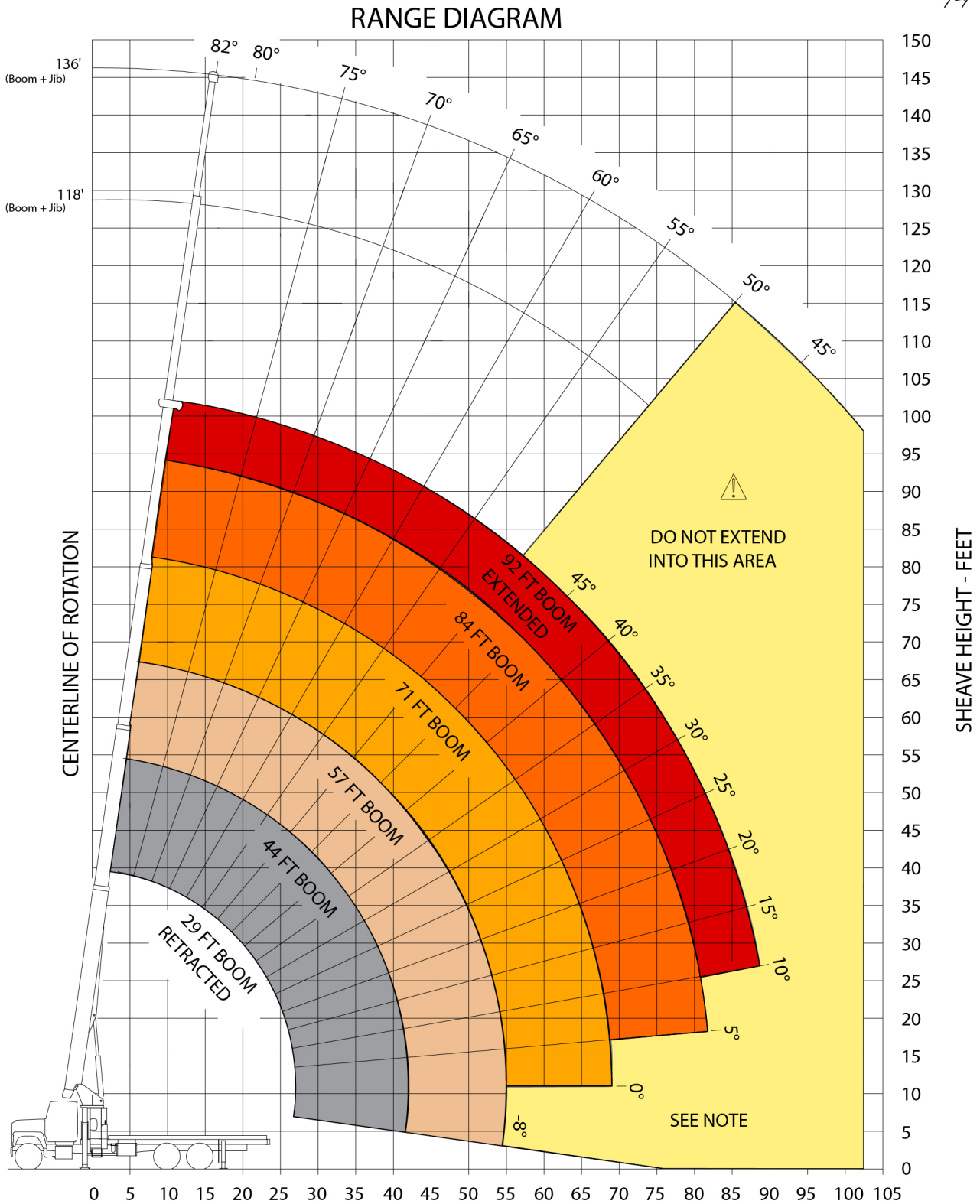
### Chassis Recommendation

Gross Vehicle Weight Rating .....	60,000 lb
Front Axle Weight Rating .....	20,000 lb
Rear Axle Weight Rating .....	40,000 lb
Crane weight (Base Machine) .....	21,800 lbs
Wheelbase .....	260 +/- 8 in
Cab to Axle .....	192 +/- 6 in
Afterframe .....	114 +/- 4 in
RBM per Frame Rail .....	2,800,000 lb-in
Frame Height (Unloaded) .....	40 in
Frame Section Modulus .....	26.0in <sup>3</sup>

# RANGE DIAGRAM

# STINGER 25-92

Outriggers Fully Extended





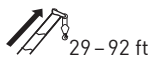
OPERATING RADIUS FROM CENTERLINE OF ROTATION - FEET

**Note:** Hydraulic pressure will not raise fully extended boom in this area

# LOAD CHARTS

# STINGER 25-92



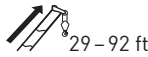
## Outriggers Fully Extended

Standard ASME B30.5

ft	Boom Length						ft
	29 lb	44 lb	57 lb	71 lb	84 lb	92 lb	
5	50,000						5
8	36,800	20,300					8
10	30,900	20,300	18,400				10
12	26,100	20,300	17,400				12
14	21,900	19,400	16,800	14,600			14
16	18,800	17,300	15,900	13,800	12,300		16
20	14,200	13,900	13,400	12,300	10,900	9,825	20
25	10,400	10,900	10,600	10,400	9,800	9,025	25
30		8,625	8,625	8,425	8,225	7,425	30
35		6,925	6,925	6,925	6,725	6,325	35
40		5,225	5,625	5,625	5,625	5,425	40
45			4,625	4,625	4,625	4,625	45
50			3,725	3,725	3,725	3,725	50
55			1,225	3,025	3,025	3,025	55
60				2,425	2,425	2,425	60
65				2,025	2,025	2,025	65
70					1,525	1,525	70
75					1,225	1,225	75
80					825	825	80




## Boom at 0°

Standard ASME B30.5

ft	Boom Length						ft
	29 lb	44 lb	57 lb	71 lb	84 lb	92 lb	
0	7,500	4,000	1,225	1,100	650	550	0

## With Jib, Retracted and Extended

Standard ASME B30.5

ft	Jib Capacities for All Boom Lengths								ft
	50° lb	55° lb	60° lb	65° lb	70° lb	75° lb	78° lb	80° lb	
26	725	1,025	1,525	2,325	3,225	4,325	4,925	5,325	26
44	425	725	1,125	1,525	2,025	2,525	2,825	3,125	44

## Notes to lifting capacity







Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings are part of the load, and are 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

## STINGER 25-92

### Boom, Jib and Rotation

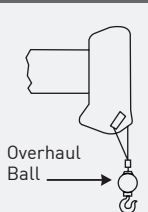
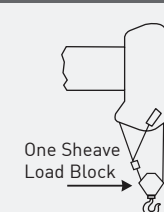
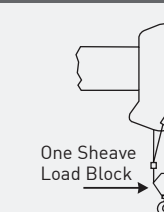
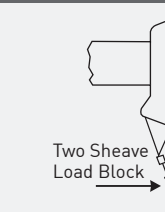
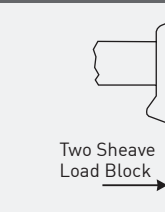
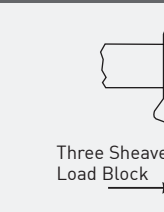

	Four-section full power fully synchronized telescopic keel boom Boom elevation angle range (min/max) -8° / 82° Boom up/down time 34/30 seconds Boom extension/retraction time 84/52 seconds
	Boom length 92 ft
	Boom maximum tip height 102 ft
	Boom head Quick reeving
	Maximum tip height: With optional jib 26–44 ft 146 ft
	370 degree non-continuous rotation or optional 360 degree continuous rotation

### Operator Controls and Operator Aid

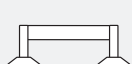
	Hoist line pull (1st layer) 11,400 lb
	Hoist line speed (3rd layer) 186 ft/min
	Rope diameter 9/16 in
	Fully proportional
	Electronic rated capacity indicator

# TECHNICAL DESCRIPTION

# STINGER 25-92

1 Part Line	2 Part Line	3 Part Line	4 Part Line	5 Part Line	6 Part Line						
											
Loads Up To: 9,600 lbs *7,400 lbs	Loads Up To: 19,200 lbs *14,800 lbs	Loads Up To: 28,800 lbs *22,200 lbs	Loads Up To: 38,400 lbs *29,600 lbs	Loads Up To: 47,000 lbs *37,000 lbs	Loads Up To: 47,000 lbs *44,400 lbs						
<p>Hoist Rope</p> <p>9/16 in XIPS, IWRC preformed right regular lay with 33,600 lb min breaking strength            *9/16 in rotation resistant (per ASME 30.5 or ASTM A1023) with 37,000 lb min breaking strength</p>											
 <table border="0" style="width: 100%;"> <tr> <td>Overhaul ball</td> <td style="text-align: right;">7 US t</td> </tr> <tr> <td>1 Sheave block</td> <td style="text-align: right;">17.5 US t</td> </tr> <tr> <td>2 Sheave block</td> <td style="text-align: right;">25 US t</td> </tr> </table>						Overhaul ball	7 US t	1 Sheave block	17.5 US t	2 Sheave block	25 US t
Overhaul ball	7 US t										
1 Sheave block	17.5 US t										
2 Sheave block	25 US t										

## Understructure

	Front: A-frame link-type To outer edge of pad at ground level	21 ft 8 in
	Rear: "H" type, (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
21' Heavy duty wood and steel flatbeds
Radio remote controls
Two-man basket
Hoist drum tensioner
Continuous rotation
Oil cooler
Single front bumper outrigger
Tool box
Hydraulic hose reel

# STINGER 25-92

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