

# STINGER 10-47



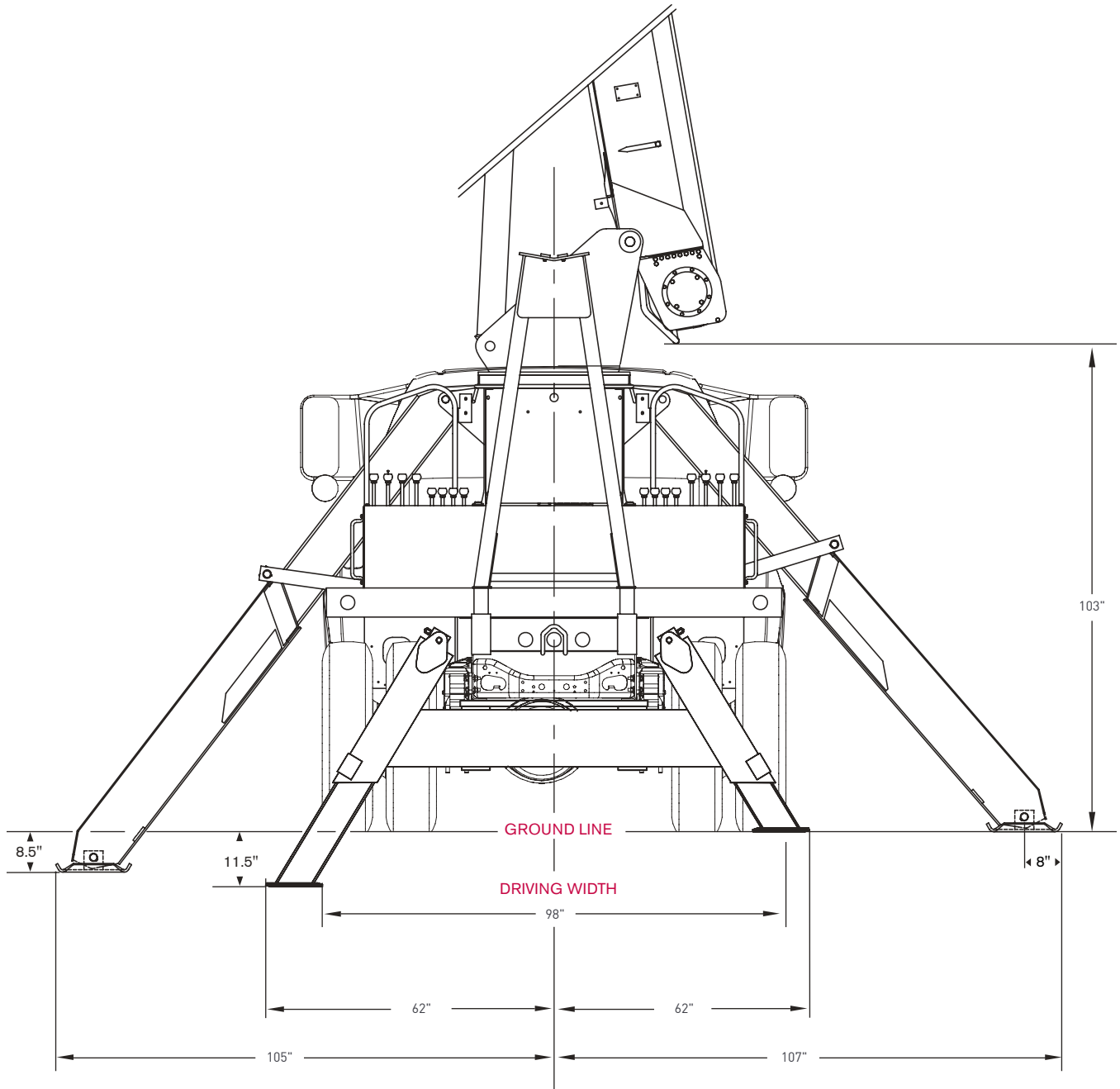
**Features: STINGER 10-47**

- 10 US t @ 5 ft radius
- 47 ft maximum boom length
- 57 ft maximum tip height
- 18-30 optional jib height
- 87 ft maximum tip height with 30 ft jib
- Electronic rated capacity indicator
- Quick reeving boom head

# DIMENSIONS

# STINGER 10-47

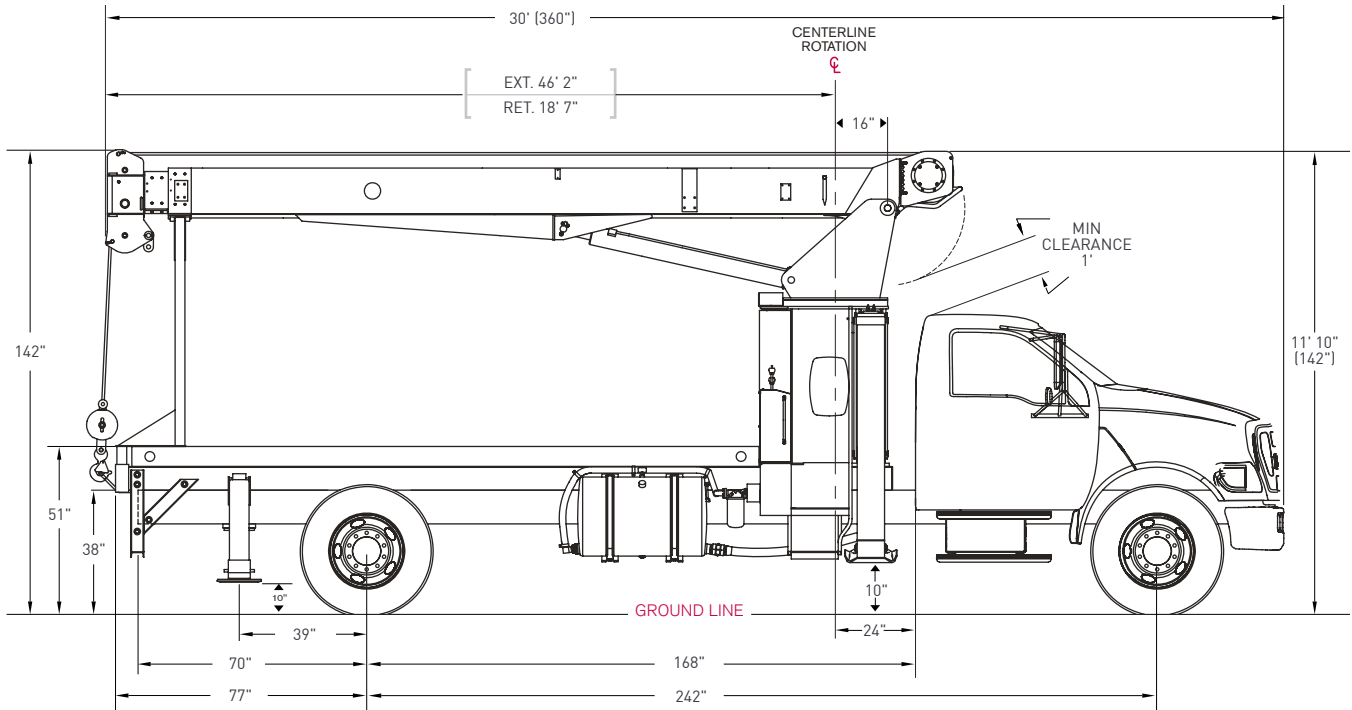
## Crane Dimensions



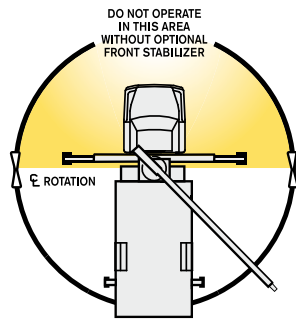
# DIMENSIONS

# STINGER 10-47

## Example Layout Drawing



## Area of Operation



## Mounting Specifications

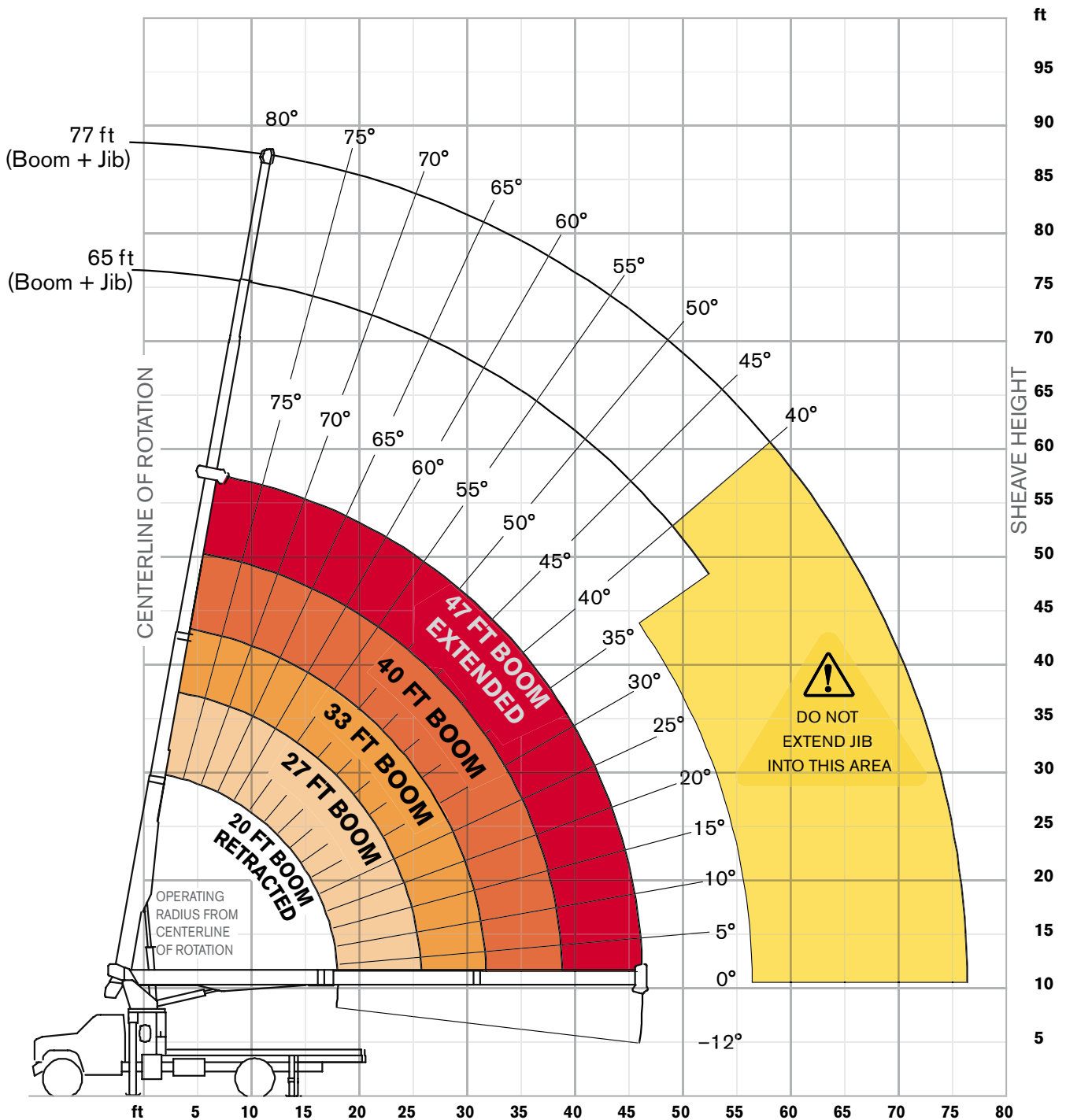
### Chassis recommendation

Gross vehicle weight rating .....	33,000 lb
Front axle weight rating .....	12,000 lb
Rear axle weight rating .....	21,000 lb
Crane weight (Base Machine) .....	10,700 lb
Wheelbase .....	230 +/- 4 in
Cab to axle .....	156 +/- 4 in
Afterframe .....	80 +/- 4 in
RBM per framerail .....	1,200,000 lb/in
Frame Section Modulus .....	15.9in <sup>3</sup>

# RANGE DIAGRAM

# STINGER 10-47

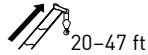
Outriggers Fully Extended (100%)





# BOOM LOAD CHARTS

# STINGER 10-47

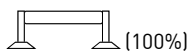
## Outriggers Fully Extended (100%)





Standard ASME B30.5

	Boom Length					
	20	27	33	40	47	
ft	lb	lb	lb	lb	lb	ft
5	20,000	12,520				5
8	12,830	12,230	11,850	11,170		8
10	10,830	10,270	9,900	9,370	8,220	10
12	9,350	8,860	8,520	8,130	7,430	12
14	8,150	7,800	7,480	7,370	6,730	14
16	7,240	7,100	6,810	6,540	6,090	16
18	5,850	6,360	6,120	5,870	5,450	18
20		5,660	5,550	5,320	4,930	20
25		3,900	4,300	4,260	4,060	25
28			3,700	3,690	3,510	28
31			2,890	3,210	3,140	31
35				2,690	2,670	35
38				2,110	2,370	38
40					2,250	40
45					1,800	45
46					1,465	46

## With Jib, Retracted and Extended



Standard ASME B30.5

	Jib Capacities for All Boom Lengths										
	78°	75°	70°	65°	60°	55°	50°	45°	40°	35°	
ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft
18	4,400	3,700	2,800	2,180	1,760	1,430	1,200	1,040	900	800	18
30	2,060	1,660	1,260	1,000	810	700	600	550	500	—	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.

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 10-47

### Boom, Jib and Rotation

	Three-section full power fully synchronized telescopic keel boom	
	Boom elevation angle range (min/max)	-12° / 80°
	Boom up/down time	16/10 seconds
	Boom extension / retraction time	39/30 seconds
	Boom length	47 ft
	Boom maximum sheave height	57 ft
	Boom head	Quick reeving
	Maximum tip height	with optional 18–30 ft jib: 87ft
	370 degree non-continuous rotation or optional 360 degree continuous rotation	

### Operator Controls and Operator Aid

	Hoist line pull	7,900 lb
	Rope diameter	1/2 in
	Breaking strength	27,000 lb
	Overhaul ball	6.25 US t
	1 Sheave block	10 US t
	2 Sheave block	15 US t
	1 part line	7,600 lb
	2 part line	15,200 lb
	3 part line	22,800 lb

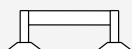


Fully proportional independent outrigger controls



Electronic rated capacity indicator

## Understructure



Front: "A-frame" link type  
To outer edge of pad

214 in

Rear: A-Frame  
To outer edge of pad

122 in

## Optional Features

- Two-stage jib
- Rotation resistant rope
- Multi-part load blocks
- 16' 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

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[www.loadkingmfg.com](http://www.loadkingmfg.com)

