

STINGER 10-47



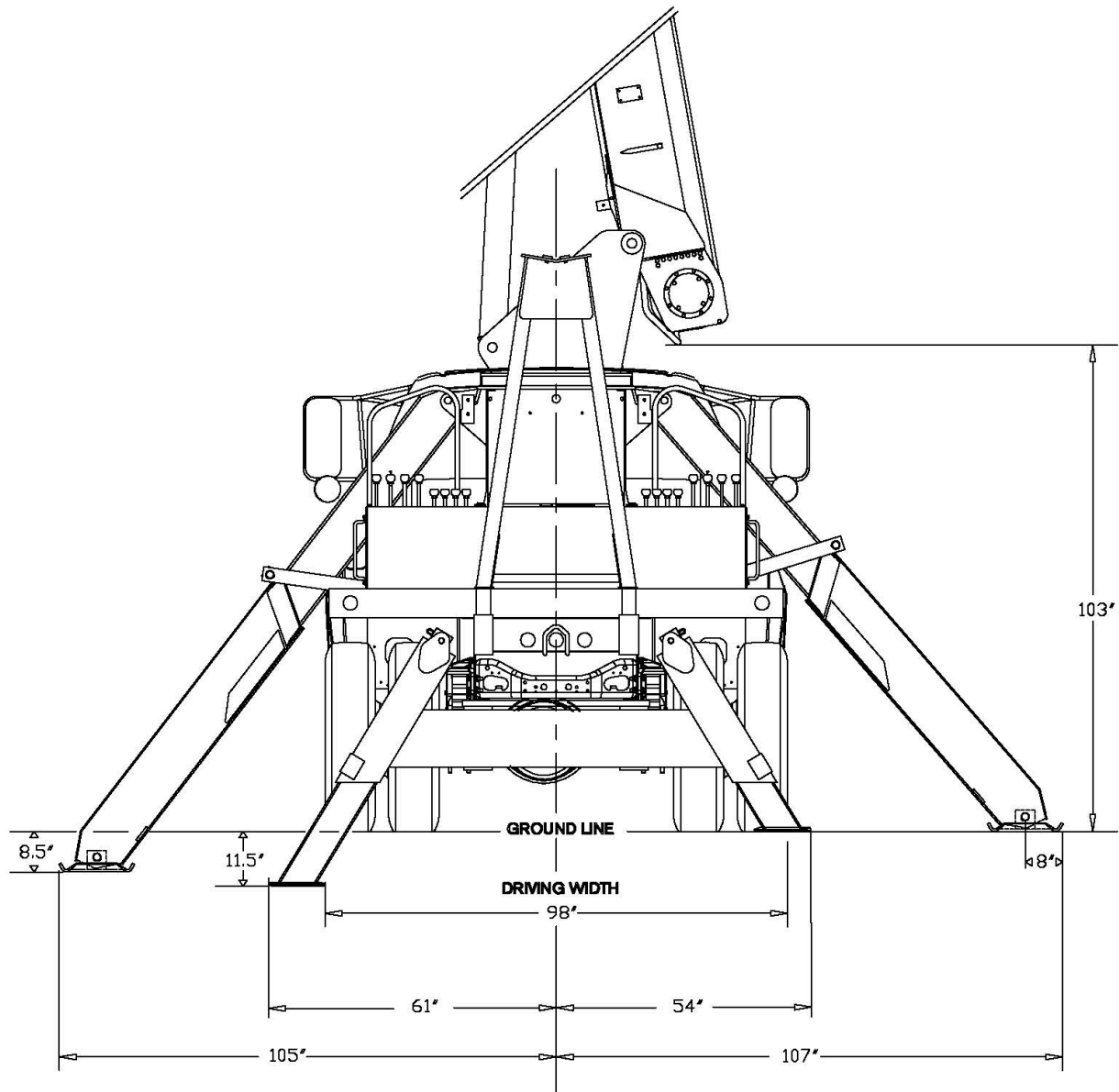
Features: STINGER 10-47

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

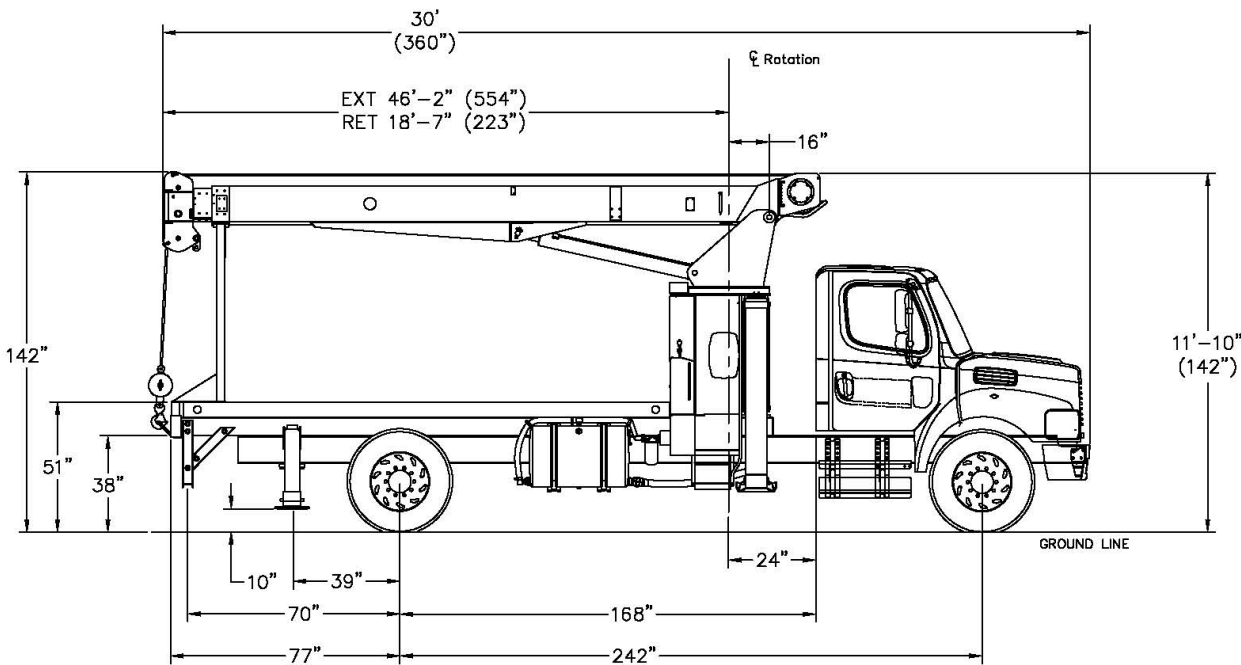
DIMENSIONS

STINGER 10-47

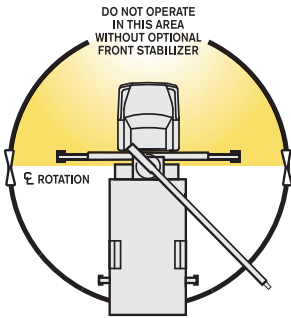
Crane Dimensions



STINGER 10-47



Area of Operation



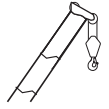
Mounting Specifications

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	15.9 in ³

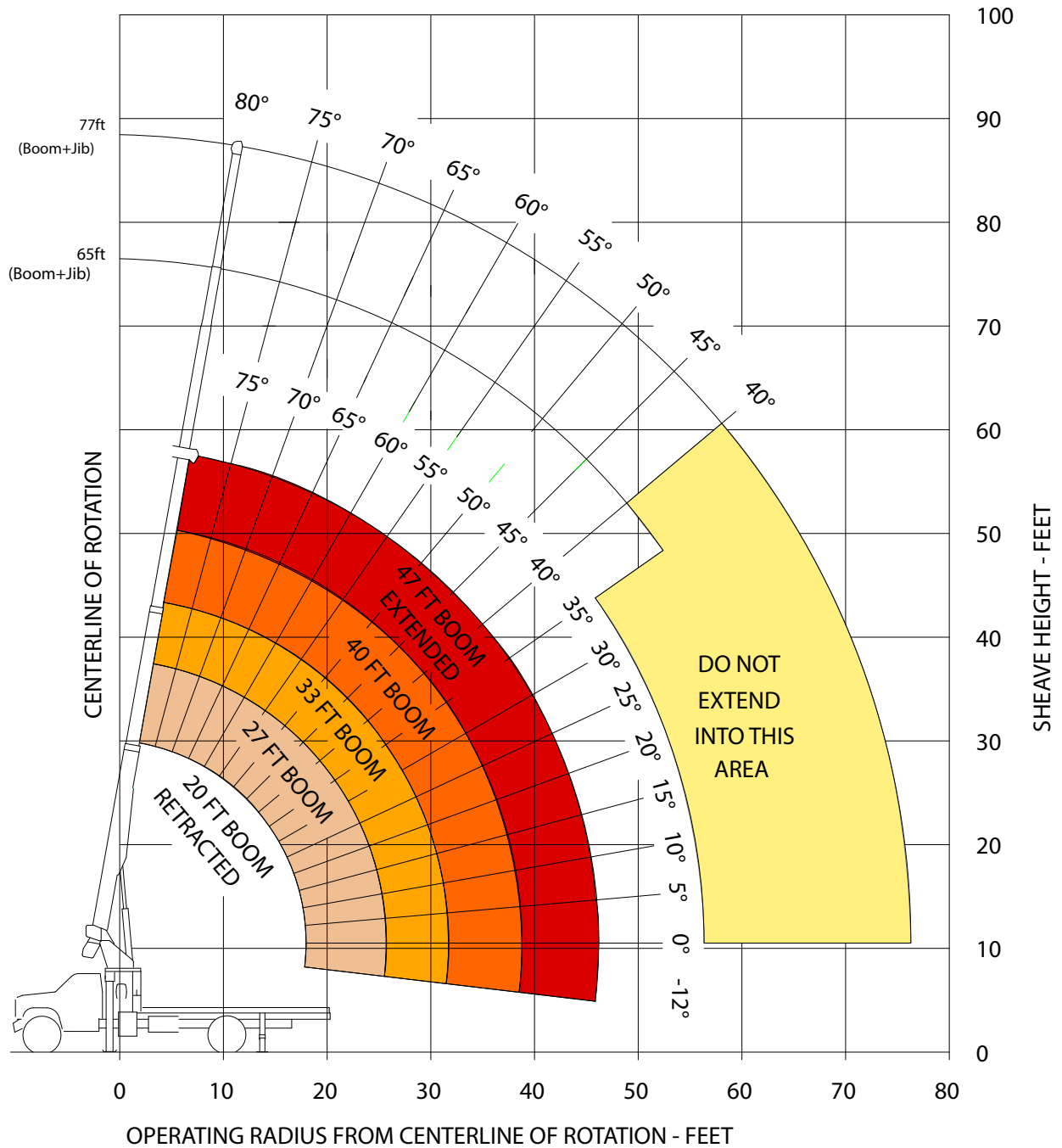
RANGE DIAGRAM

STINGER 10-47

Outriggers Fully Extended (100%)



RANGE DIAGRAM



BOOM LOAD CHARTS

STINGER 10-47

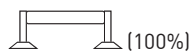
Outriggers Fully Extended (100%)



Standard ASME B30.5

ft	Boom Length					ft
	20 lb	27 lb	33 lb	40 lb	47 lb	
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

ft	Jib Capacities for All Boom Lengths										ft
	78° lb	75° lb	70° lb	65° lb	60° lb	55° lb	50° lb	45° lb	40° lb	35° lb	
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 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 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	23/15 seconds
	Boom extension / retraction time	50/30 seconds
	Boom length	47 ft
	Boom maximum tip 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	

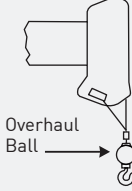
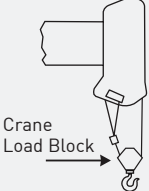
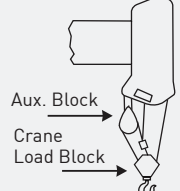

Operator Controls and Operator Aid

	Hoist line pull	7,900 lb
	Rope diameter	1/2 in
	Fully proportional	
	Electronic rated capacity indicator	

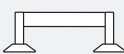
TECHNICAL DESCRIPTION

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Rope and Reeving

	1 Part Line	2 Part Line	3 Part Line
			
	Loads Up To: 7,600 lbs *5,400 LBS	Loads Up To: 15,200 lbs *10,800 LBS	Loads Up To: 20,000 lbs *16,200 LBS
	Hoist Rope 1/2 in XIPS, IWRC preformed right regular lay with 26,600 lb min breaking strength *1/2 in rotation resistant (per ASME 30.5 or ASTM A1023) with 27,000 lb min breaking strength		
	Overhaul ball		6.25 US t
	1 Sheave block		10 US t
	2 Sheave block		15 US t

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

