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SHUTTLELIFT®

3300 Series

product guide

features

- 4 models ...

  3330F: 8.5T (7.7mt) 3-section boom with 25 ft. 2 in. (7.6m) Tip Height

  3330FL: 8.5T (7.7mt) 3-section boom with 33 ft. 6 in. (10.2m) Tip Height

  3339: 9.0T (8.1mt) 3-section boom with 38 ft. 2 in. (11.6m) Tip Height

  3340B: 10.5T (9.5mt) 3-section boom with 38 ft. 2 in. (11.6m) Tip Height

- 6 ft. (1.8m) fixed extension (3330F / FL) and 12 ft. (3.6m) offsettable swingaway extension (3339 & 3340B)

- 70 bhp (52.2 kW) GM EFI dual fuel engine or 99 bhp (73.8 kW) Cummins diesel engine

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Manitowoc

www.manitowoccranegroup.com

Industrial Hydraulic Crane

*Product may be shown with optional equipment.

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features

- Single position oblique style outriggers
- Narrow width for inside aisle way usage

Standard: Cummins QSB 3.3L turbo-charged diesel rated @ 99 bhp (73.8kW) @ 2600 rpm.

Standard: Open air cab shell w/overhead safety glass
Optional: Closed cab with hinged door, heater, and defroster

Standard: 21 ft. (6.4m) main boom on the 3330F
30 ft. (9.1m) main boom on the 3330FL
32 ft. 10 in. (10.0m) main boom on the 3339 & 3340B
Optional: Manual 4th main boom section adds 10 ft. (3.0m) additional main boom length on 3330F and 3330FL only.

Standard: 4-wheel coordinated steer
Optional: 2-wheel, 4-wheel, and crab steer **(std. on 3339)**
Standard: 2-wheel, 4-wheel, and crab steer with self alignment **(3340B)**

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specifications

Superstructure

Boom

3330F: 9 ft. 8 in. – 21 ft. 2 in. (2.9m – 6.5m) three- section full power boom.
Maximum tip height: 25 ft. 2 in. (7.6m)

3330FL: 12 ft. 8 in. – 30 ft. 2 in. (3.8m – 9.2m) three- section full power boom.
Maximum tip height: 33 ft. 6 in. (10.2m)

3339 & 3340B: 13 ft. 10 in. – 32 ft. 10 in. (4.2m – 10.0m) three-section full power boom.
Maximum tip height: 38 ft. 2 in. (11.6m)

*Optional Boom

3330F & 3330FL: Manual 4th main boom fly section

*Boom Extension

3330F & 3330FL: 6 ft. (1.8m) fixed pin on extension
3339 & 3340B: 12 ft. (3.6m) offsettable extension
12-18 ft. (3.6-5.4m) telescopic offsettable extension

Boom Nose

3330F / FL: Single sheave non-pivoting
3339 & 3340B only: Single sheave, 3-position (0˚, + 30˚, + 80˚) pivoting boom nose for minimizing head space requirements. Lowers head height 10.5 in. (0.26m) when nose is pivoted fully forward.

Boom Elevation

Single double acting hydraulic cylinder with integral holding valve.
Elevation: 0° to 60° for the 3330F & 3330FL
0° to 72° for the 3339 & 3340B

Anti-Two Block Device

Standard anti-two block device, when activated, provides an audible warning to the crane operator and disengages all crane functions whose movement can cause two-blocking.

Load Indicator

A simple, effective, and easy to use load indicating system used in conjunction with the anti-two block system to assist the operator in efficient operation of the unit within the limits of the load chart. The display panel displays the hook load and warns the operator when a preset load capacity is exceeded. The warning is an audible alarm. In conjunction with the load display panel (receiver), there is a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel.

*Rated Capacity Limiter (RCL)

Similar to the Load Indicator, but stops the telescope out and boom lift down function when a load limit is exceeded. Uses a similar display panel with the addition of displaying boom angle and boom length read outs on the panel.

*Load Moment Indicator (LMI)

Digital display of boom angle, boom length, boom radius, capacity, and allows for operator in-put to set the limits based on load chart. Displays color coded light bar and audible alarm with function cutout if load exceeds entered parameters.

Swing

Ball bearing swing circle with 360° continuous rotation.
Hydraulic driven worm gear and pinion.
Maximum speed: 2.05 rpm

Hydraulic System

3330F & 3330FL: (2) gear pumps

3339 & 3340B: Variable displacement piston pump and piggyback gear pump.

Combined flow: 28.5gpm (107.9Lpm)

Maximum system operating pressure: 3600 psi

3330F & 3330FL: Six section valve bank mounted in dash panel with direct mechanical linkage for low effort lever control.

3339 & 3340B: Six section valve bank chassis mounted; operated via dash mounted, pilot pressure hydraulic joysticks.

Return line filter with full flow by-pass protection and service indicator.

23.5 gallon (89 L) hydraulic reservoir with sight level gauge and steel side plating to guard against side impact damage.

Hoist Specifications

3330F / FL: Worm drive with counter-balance valving. Equal speed power up and down.

3339 & 3340B: Piston motor drive w/spring applied/hydraulic released brake.

Drum Diameter:
3330F / FL: 9.69 in. (0.24m)
3339 & 3340B: 10.63 in. (0.27m)

Maximum Single Line Pull:
3330F / FL: 10,700lb (4 854kg)
3339 & 3340B: 14,000lb (6 350 kg)

Maximum Single Line Speed:
3330F / FL: 88 FPM (26.8m / min)
3339 & 3340B: 120FPM (36.6m / min)

Maximum Permissible Single Line Pull:
3330F / FL : 8,500lb (3 855 kg)
(1/2" [12.7mm] Python Ultra XIPS)
3339 & 3340B: 10,000lb (4 536kg)
(9/16" [14.0mm] EEIPS)

Rope Length :
3330F / FL: (3-section boom) 97 ft. (29.6m)
(4-section boom) 130 ft. (39.6m)
3339 & 3340B: 120 ft. (36.6m)

*Denotes optional equipment

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specifications

Carrier

Frame
High strength alloy steel constructed with integral outrigger housings; front and rear lifting, towing, and tie-down lugs. 42 ft.² carrydeck size with 14,000 lb (6 350kg) carrying capacity (3330F / FL / 3339) and 17,000 lb (7 711kg) carrying capacity (3340B). Deck coated with anti-skid treatment.

Outriggers
3330F, 3330FL & 3339: Front and rear oblique type beams at all four corners with integral holding valves. Outrigger pads form an integral part of the beam.

3340B: Hydraulic telescoping beam with oblique type jack provides extended and down and retracted and down lifting capacities. Integral holding valves on both beam and jack.

Outrigger Controls
3330F, 3330FL & 3339: Lever controls located on dash panel which operate the beams in pairs from side to side.

3340B: Two switch operation mounted on dash panel. One -3- position rocker switch to select all beams / jacks, left beams / jacks only, or right beams / jacks only. Separate -4- way toggle switch to activate beams out / in and jacks down / up. Level bubble indicator located inside operators compartment.

*Independent outrigger controls available as an option.

Std. Engine (Tier III)
Cummins QSB 3.3L turbo-charged diesel rated @ 99 bhp (73.8kW) @ 2600 rpm.

*Optional Engine
G.M. 3.0L EFI dual fuel (gasoline / L.P.) rated @ 70 bhp (52.2kW) @ 2600 rpm.

Operators Control Station
Frame mounted, open air style control station with cab shell. Includes all crane functions, driving controls, and overhead safety glass. Other standard equipment include a durable weather resistant seat with seat belt, hourmeter, sight level bubble, and fire extinguisher. The dash panel includes engine oil pressure gauge, engine water temperature gauge, fuel gauge, transmission low oil and high temperature warning lights, low battery warning light, and brake system low pressure warning light. The LSI (load indicator) receiver is mounted to the top of the dash and provides warning for A2B and exceeded load capacity.

*Operators Control Station Enclosed
Includes the standard cab shell with the addition of front and rear glass. Hinged full door with sliding glass.

Front windshield wiper and heater and defroster is included.

Fuel Tank Capacity
18.5 gallon (70 L) all steel construction with steel side plate to guard against side impact.

Electrical System
One 12V maintenance free battery, 820CCA @ 0°.
Jump start connections
63 amp alternator.

Drive
4 x 2 – Front axle drive with planetary hubs and limited slip Differential.

Steer
3330F / FL: 2-wheel, 4-wheel steer
3339: 2-wheel, 4-wheel w/crab steer
3340B: 2-wheel, 4-wheel, and crab steer w/ electronic self alignment.

Transmission
33330F / FL & 3339: Clark synchromesh -4- speeds forward and reverse with stalk mounted forward/reverse selector.

3340B: Clark powershift -4- speeds forward and reverse. Stalk mounted shifter on left side of steering column.

Axles
Front: Carraro planetary drive/steer with internal multi-wet-disc brakes and limited slip differential.

Rear: Fabricated non-drive steer with disc brakes

Tires
10.00 x 15 14PR pneumatic

Brakes
Hydraulic actuated internal wet-disc service brakes acting on all four wheels. A dash mounted toggle switch activates the dry disc parking brake on the transmission output yoke with a dash warning light.

Suspension
Front: Rigid mounted to frame.
Rear: Rigid mounted to frame

Lights
Recessed mounted, includes head, tail, rear work, stop, and turn signals.

Maximum Speed
22 MPH (35.6km/h)

Gradeability**
3330F / FL & 3339: 57%....no load
31%....12,000lb (5 443kg) load

3340B: 68%....no load
40%....20,000lb (9 072kg) load

G.V.W.
3330F: 13,400 lb. (6 078 kg)
3330FL: 15,180 lb (6 885 kg)
3339: 15,800 lb (7 167 kg)
3340B: 16,600 lb (7 530 kg)

Miscellaneous Standard Equipment
Single sheave, "Quick Reeve" style hookblock.;
3330F/ FL 8.5T (8.0mt); 3339: 9T (8.1mt); 3340B10.5T (10mt).
Back-up alarm.

*Denotes optional equipment
**Theoretical

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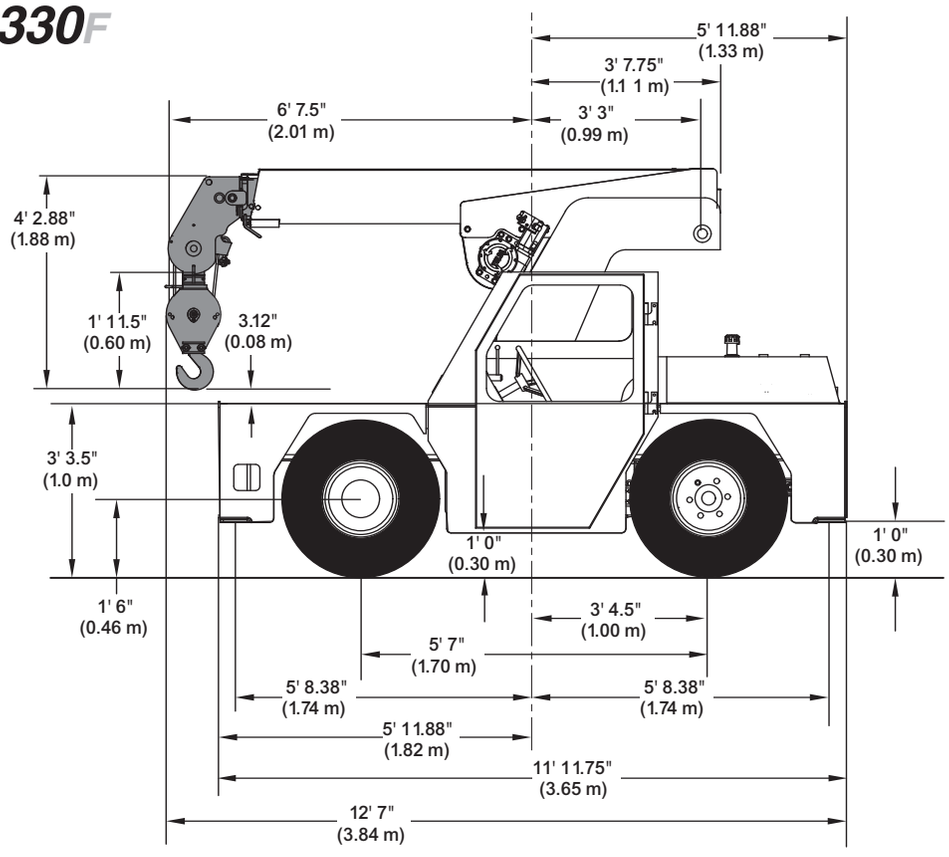
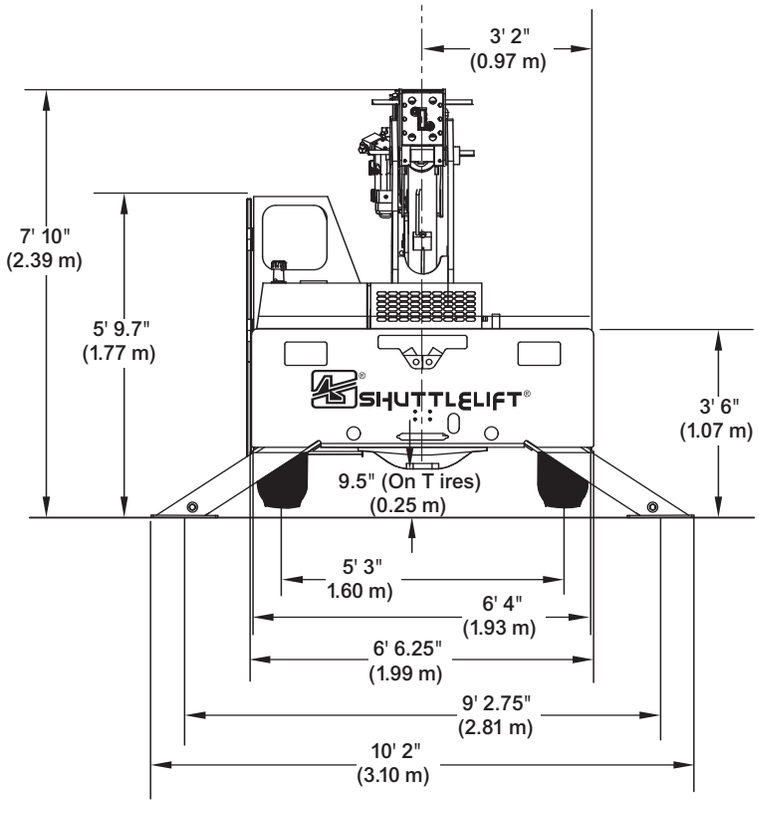
dimensions

3330F





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range diagram

3330F

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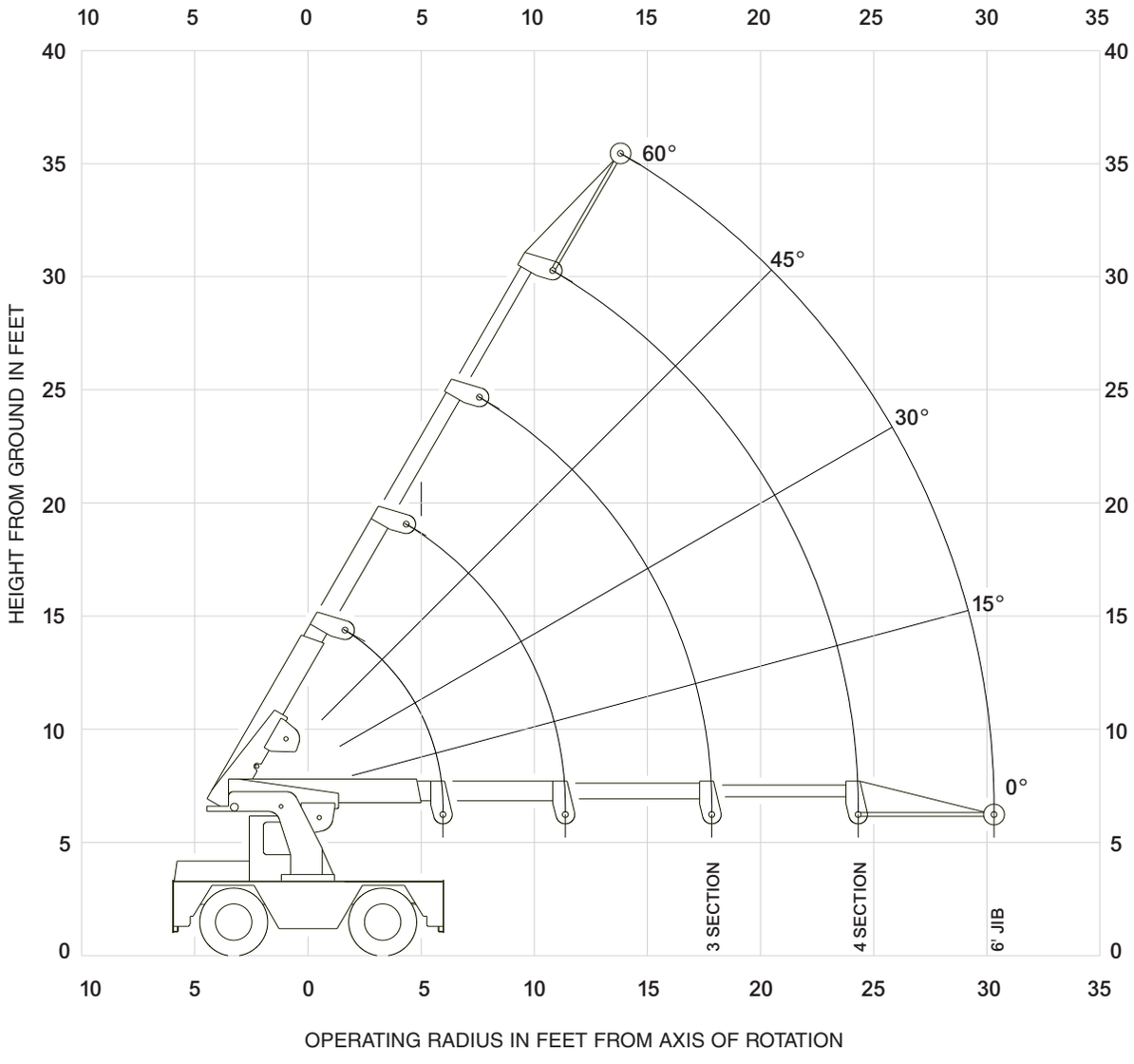

3300 Series

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

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load chart

3330F

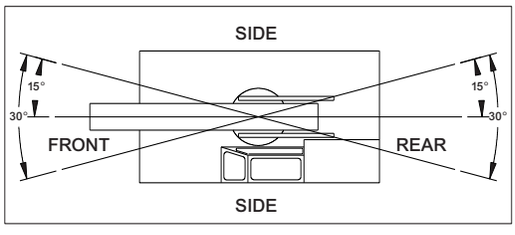
RADIUS (ft)	3-SECTION BOOM OR 4-SECTION BOOM WITH 4TH RETRACTED					RADIUS (ft)	4-SECTION BOOM WITH 4TH EXTENDED				
	ON OUTRIGGERS (lbs)		ON RUBBER (lbs)				ON OUTRIGGERS (lbs)		ON RUBBER (lbs)		
	F/R	360°	F/R	360°			F/R	360°	F/R	360°	
5.0	* 17000	* 17000	10000	10000	MAN BOOM	5.0	6100	6100	6100	6100	
6.0	* 15700	* 14400	10000	7450		6.0	6100	6100	6100	6100	
8.0	* 12400	10800	7150	4400		8.0	5300	5300	5300	5250	
10.0	10200	8600	4700	2950		10.0	4700	4700	4700	3750	
12.0	8500	7000	3400	2175		12.0	4400	4400	3800	2450	
14.0	7200	5400	2650	1700		14.0	4400	4400	2900	1875	
16.0	6100	4300	2150	1325		16.0	4400	4400	2325	1525	
18.0	5000	3550	1775	1100		18.0	4400	4100	1900	1225	
20.0	2700	2700	1525	950		20.0	4300	3150	1600	1000	
22.0	2600	2600	1350	825		22.0	3700	2700	1375	850	
24.5	2200	2200	1150	675		24.5	3100	2300	1200	700	
26.0	-	-	-	-	JIB	26.0	2700	2125	1100	650	
28.0	-	-	-	-		28.0	2500	1900	975	575	
30.0	-	-	-	-		30.0	2300	1700	850	475	
31.0	-	-	-	-		31.0	2200	1625	800	425	

MAIN BOOM ANGLE (deg)	JIB STRUCTURAL CAPACITIES (lbs.)	
	3-SECTION BOOM OR 4-SECTION BOOM WITH 4TH RETRACTED	4-SECTION BOOM WITH 4TH EXTENDED
60	3500	3500
55	3325	3325
50	3150	3150
45	3000	3000
40	2875	2875
35	2800	2800
30	2700	2700
25	2600	2600
20	2500	2500
15	2400	2400
10	2325	2325
5	2250	2250
0	2200	2200

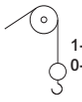
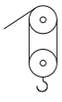
*LIMIT RATINGS TO 11,800 LBS WHEN 3RD SECTION IS EXTENDED ANY AMOUNT.

JIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.



REDUCTION CHART		
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS
MAIN BLOCK	140 lbs	N/A
HOOK & BALL	100 lbs	100 lbs
JIB, STOWED	0 lbs	N/A
JIB, DEPLOYED	150 lbs	0 lbs

RIGGING CHART	
 1-PART 0-8500lbs	 2-PART 0-17000lbs
WIRE ROPE: 1/2 inch diameter Min. breaking strength 29750 lbs.	

1) The rated loads are the maximum lift capacities as determined by operating radius, boom extension and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

4) Ratings on outrigggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting.

5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth hard level surface with boom retracted to the shortest length possible and centered over front.

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 12000 lbs. The maximum deck load only is 14000 bs.

8) Do not induce any external side loads to boom or jib.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

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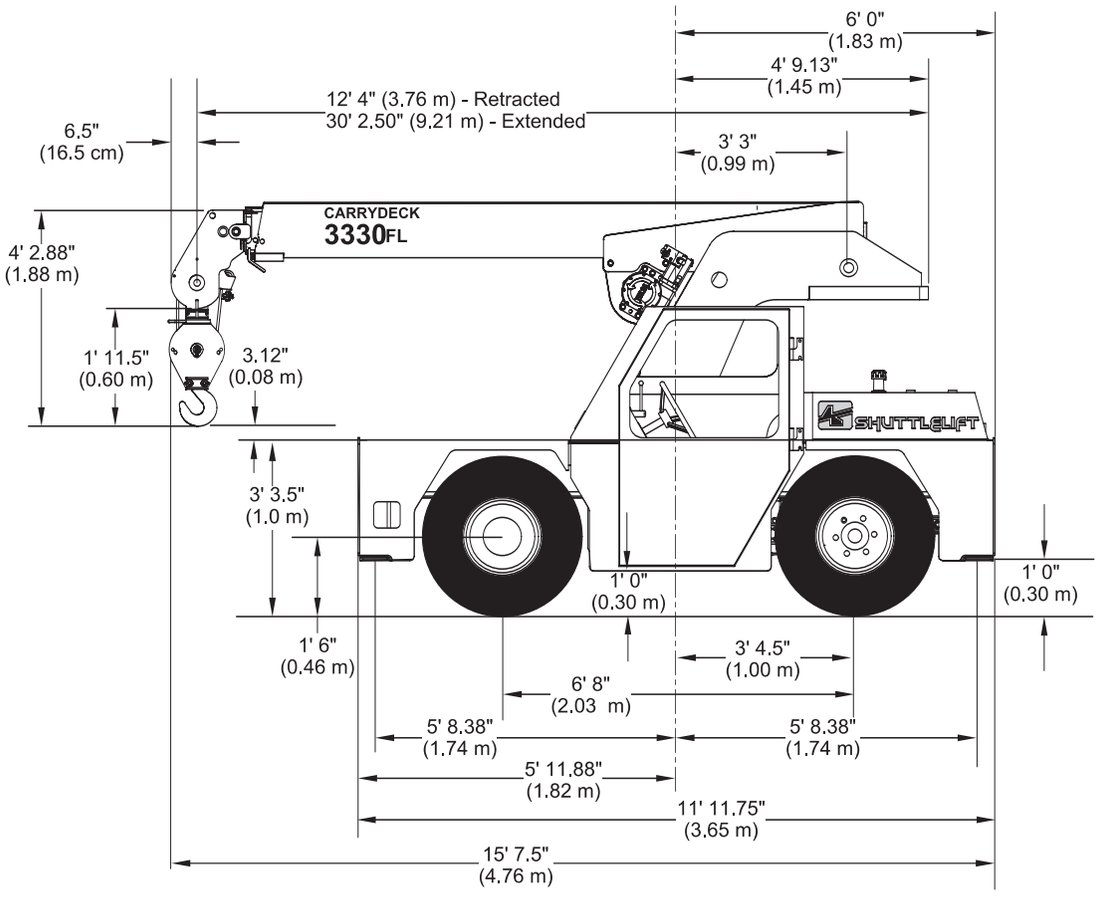
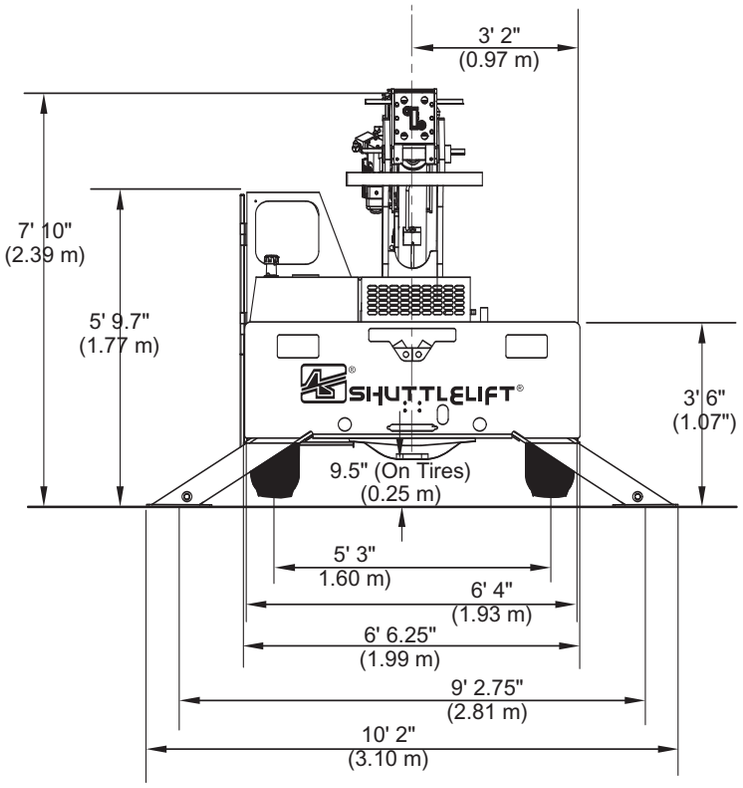
dimensions





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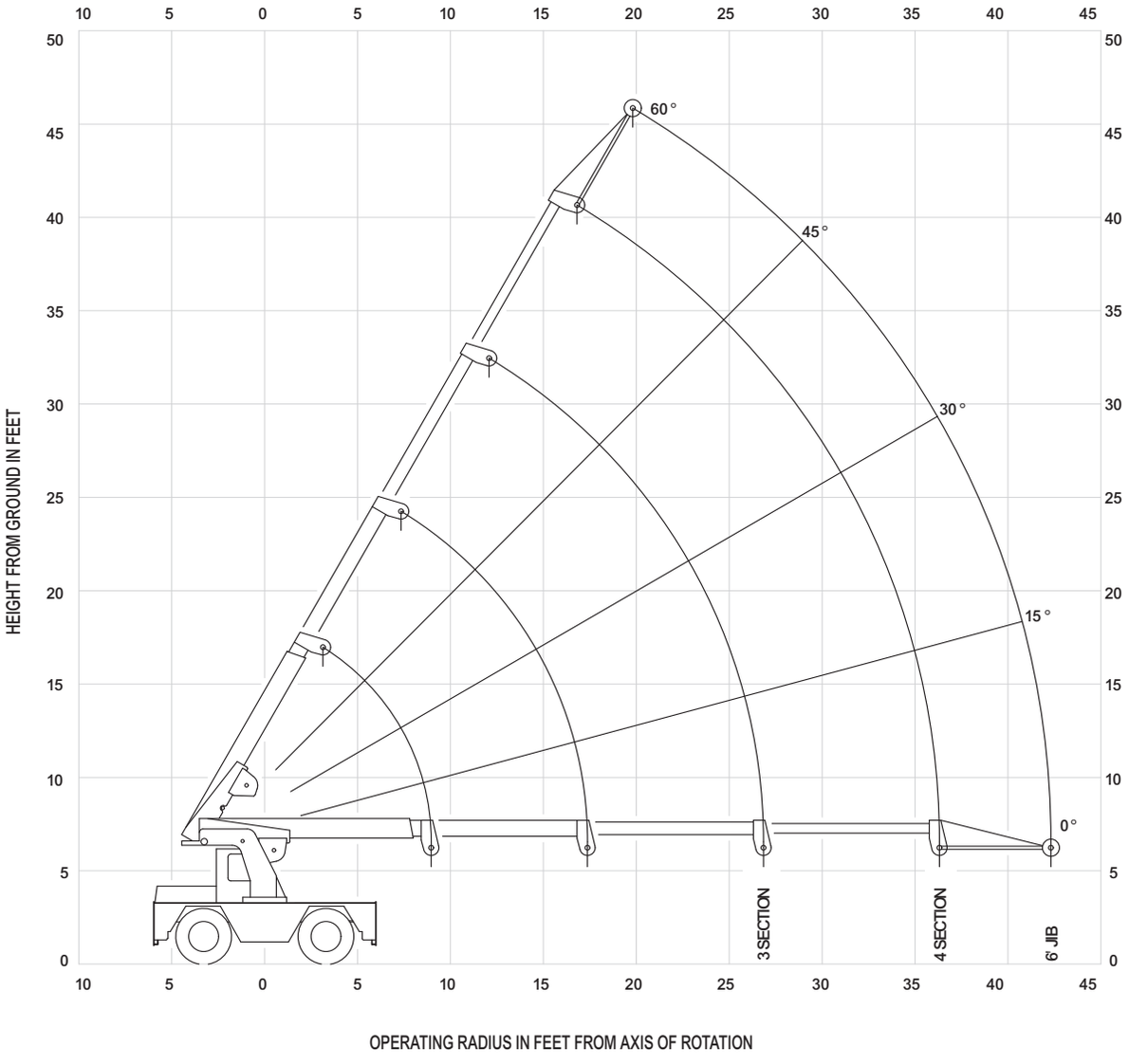
range diagram

3330FL



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load chart

3330FL

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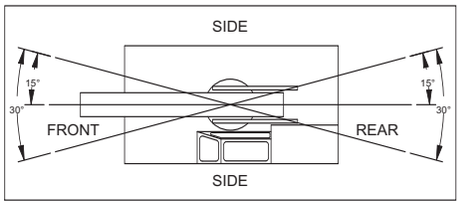
OPERATING RADIUS	3-SECTION BOOM OR 4-SECTION BOOM WITH 4TH RETRACTED					OPERATING RADIUS	4-SECTION BOOM WITH 4TH EXTENDED				
	ON OUTRIGGERS		ON RUBBER				ON OUTRIGGERS		ON RUBBER		
	FRONT	360°	FRONT	360°			FRONT	360°	FRONT	360°	
5.0 ft	17000 lbs	17000 lbs	10000 lbs	10000 lbs	MAIN BOOM	5.0 ft	-	-	-	-	MAIN BOOM
6.0 ft	15700 lbs	14400 lbs	9500 lbs	8200 lbs		6.0 ft	-	-	-	-	
8.0 ft	12400 lbs	10800 lbs	8000 lbs	5600 lbs		8.0 ft	4900 lbs	4900 lbs	4900 lbs	4900 lbs	
10.0 ft	10200 lbs	8500 lbs	5400 lbs	3800 lbs		10.0 ft	4300 lbs	4300 lbs	4300 lbs	4250 lbs	
12.0 ft	8500 lbs	6950 lbs	3800 lbs	2700 lbs		12.0 ft	3800 lbs	3800 lbs	3800 lbs	3300 lbs	
14.0 ft	7100 lbs	5800 lbs	2750 lbs	1950 lbs		14.0 ft	3400 lbs	3400 lbs	3400 lbs	2600 lbs	
16.0 ft	6000 lbs	4650 lbs	2150 lbs	1450 lbs		16.0 ft	3100 lbs	3100 lbs	2900 lbs	2100 lbs	
18.0 ft	5200 lbs	3800 lbs	1800 lbs	1150 lbs		18.0 ft	2900 lbs	2900 lbs	2400 lbs	1700 lbs	
20.0 ft	4450 lbs	3150 lbs	1500 lbs	950 lbs		20.0 ft	2900 lbs	2900 lbs	1950 lbs	1350 lbs	
22.0 ft	3800 lbs	2700 lbs	1300 lbs	800 lbs		22.0 ft	2900 lbs	2900 lbs	1600 lbs	1050 lbs	
24.0 ft	3300 lbs	2350 lbs	1100 lbs	650 lbs		24.0 ft	2900 lbs	2650 lbs	1350 lbs	850 lbs	
26.0 ft	2900 lbs	2050 lbs	950 lbs	550 lbs		26.0 ft	2900 lbs	2300 lbs	1100 lbs	700 lbs	
27.0 ft	2750 lbs	1900 lbs	850 lbs	500 lbs		27.0 ft	2900 lbs	2150 lbs	1000 lbs	650 lbs	
28.0 ft	2525 lbs	1775 lbs	800 lbs	475 lbs		28.0 ft	2750 lbs	2000 lbs	950 lbs	600 lbs	
30.0 ft	2275 lbs	1600 lbs	700 lbs	400 lbs		30.0 ft	2450 lbs	1800 lbs	800 lbs	500 lbs	
32.0 ft	2025 lbs	1425 lbs	600 lbs	325 lbs		32.0 ft	2200 lbs	1600 lbs	700 lbs	400 lbs	
33.5 ft	1875 lbs	1300 lbs	525 lbs	275 lbs		33.5 ft	1950 lbs	1400 lbs	625 lbs	325 lbs	
36.0 ft	-	-	-	-		36.0 ft	1750 lbs	1250 lbs	550 lbs	250 lbs	
38.0 ft	-	-	-	-	JIB	38.0 ft	1625 lbs	1125 lbs	475 lbs	225 lbs	JIB
40.0 ft	-	-	-	-		40.0 ft	1475 lbs	1025 lbs	400 lbs	200 lbs	
42.0 ft	-	-	-	-		42.0 ft	1350 lbs	925 lbs	350 lbs	150 lbs	
43.0 ft	-	-	-	-		43.0 ft	1300 lbs	875 lbs	325 lbs	125 lbs	

JIB STRUCTURAL CAPACITIES @ MAIN BOOM ANGLE (ALSO DO NOT EXCEED CAPACITIES IN ABOVE CHART)				
0°	15°	30°	45°	60°
2200 lbs	2400 lbs	2700 lbs	3000 lbs	3500 lbs

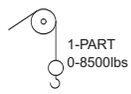
JIB STRUCTURAL CAPACITIES @ MAIN BOOM ANGLE (ALSO DO NOT EXCEED CAPACITIES IN ABOVE CHART)				
0°	15°	30°	45°	60°
2000 lbs	2100 lbs	2200 lbs	2600 lbs	3400 lbs

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.



REDUCTION CHART		
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS
MAIN BLOCK	140 lbs	N/A
HOOK & BALL	100 lbs	100 lbs
JIB, STOWED	0 lbs	N/A
JIB, DEPLOYED	150 lbs	0 lbs

RIGGING CHART	
 1-PART 0-8500lbs	2-PART 0-17000lbs
WIRE ROPE: 1/2 inch diameter Min. breaking strength 29750 lbs.	

1. The rated loads are the maximum lifting capacities as determined by operating radius only. Any combination of boom lengths and angles may be used to obtain operating radius. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.
2. The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the machine leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius, and other factors affecting stability. Hazardous surroundings, experience of personnel and proper handling must all be taken into account by the operator.
3. The weights of all load handling devices, such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reductrion chart.
4. Ratings on outriggers are with outriggers fully extended.
5. Ratings on rubber depend on tire capacity, condition of tires, and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth hard level surface with boom retracted to the shortest length possible and centered over front.
6. For operating radius not shown, use load rating of the next larger radius.
7. The maximum combined total boom and deck load is 12,000 lbs. For deck loads only, the maximum load is 14,000 lbs with 10:00 x 15 tires. Tire inflation at at 100 psi.
8. Do not induce external side loads to boom or jib.

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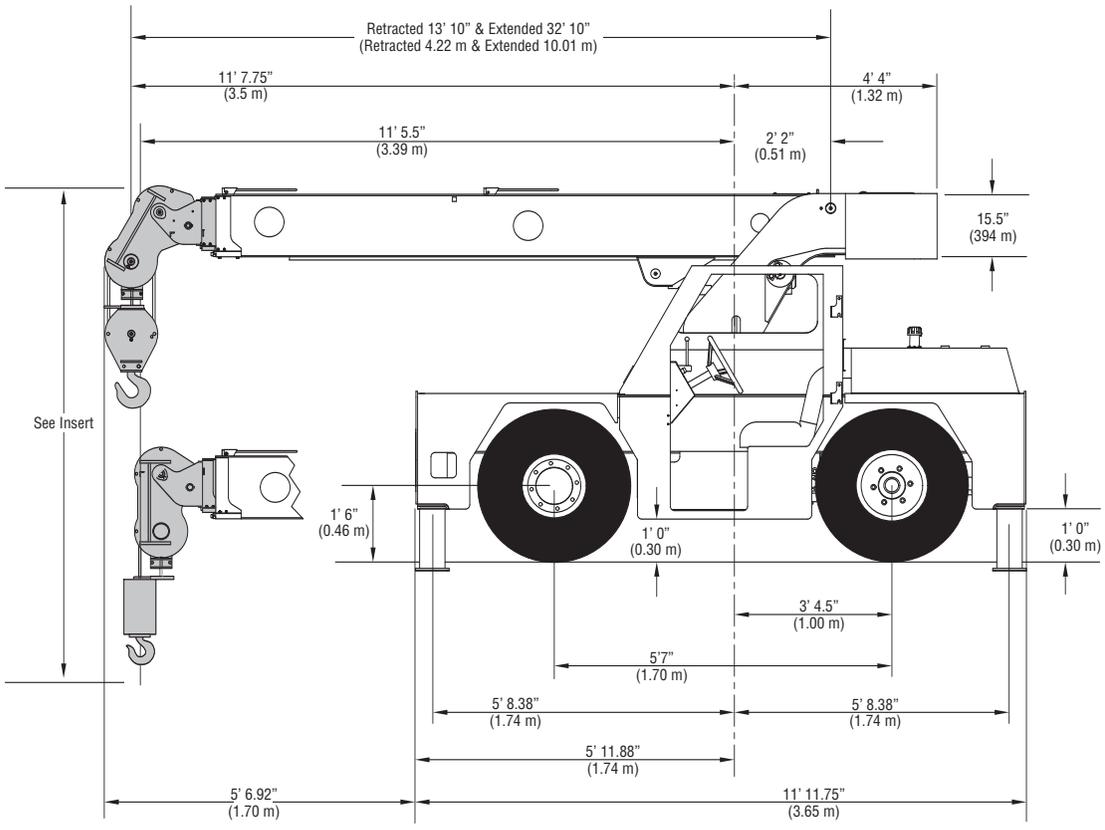
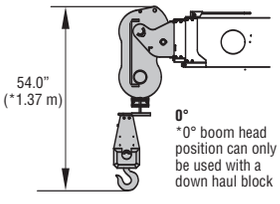
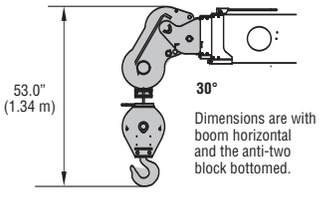
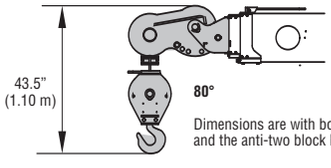
dimensions

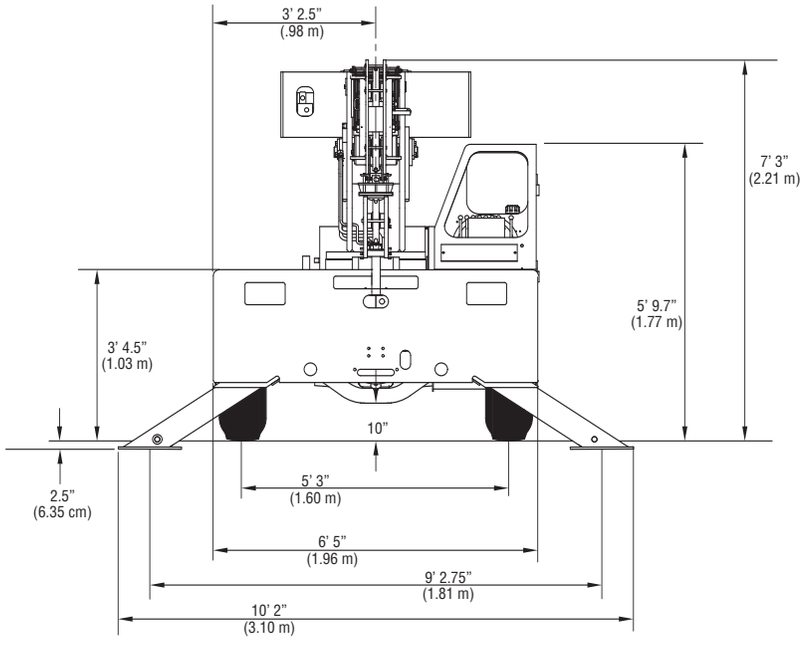
3339











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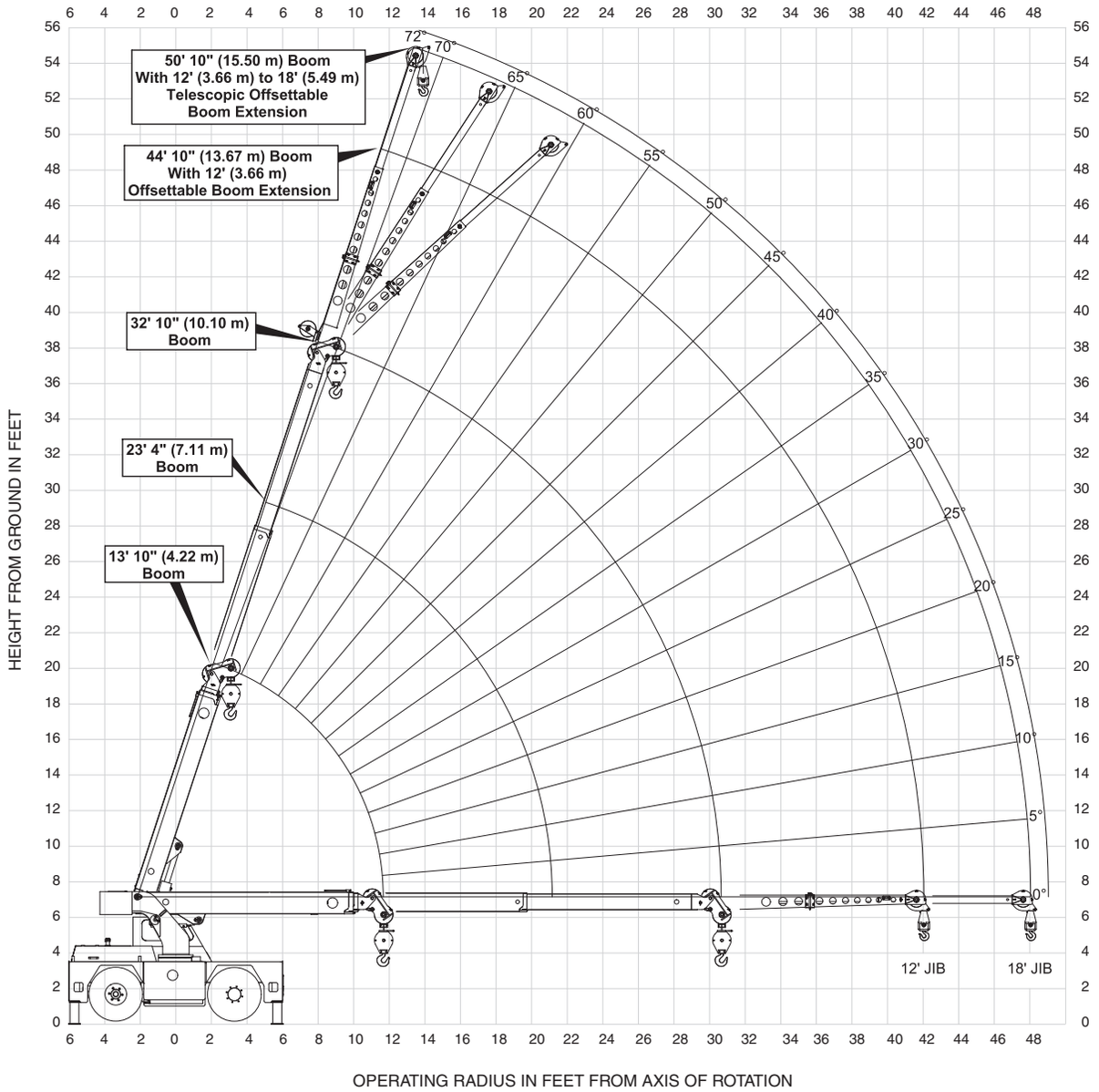
range diagram

3339

12



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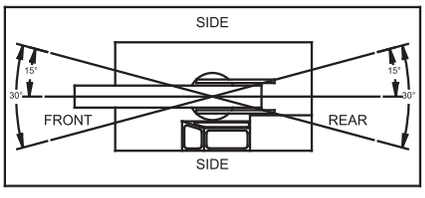
load chart

3339

	RADIUS (ft)	ON OUTRIGGERS (lbs)				ON RUBBER (lbs)	
		F/R		360°		F/R	360°
		BOOM RETRACTED	BOOM EXTENDED	BOOM RETRACTED	BOOM EXTENDED	ANY BOOM	ANY BOOM
MAIN BOOM	5.0	18000	14700	18000	14700	11500	9400
	6.0	15700	14400	15000	14400	10000	7500
	8.0	12200	12200	11400	11400	8100	5040
	10.0	10200	10200	9100	9100	5480	3530
	12.0	8400	8400	7600	7600	3920	2590
	14.0	-	7200	-	6500	3040	1970
	16.0	-	6200	-	5310	2420	1560
	18.0	-	5400	-	4340	1970	1250
	20.0	-	4830	-	3610	1640	1020
	22.0	-	4000	-	3030	1370	850
	24.0	-	3480	-	2590	1160	710
	26.0	-	3020	-	2250	990	590
	28.0	-	2680	-	2010	830	490
	31.0	-	2270	-	1740	650	360
JIB	34.0	-	1960	-	1500	510	250
	36.0	-	1770	-	1350	430	180
	38.0	-	1590	-	1200	350	130
	40.0	-	1420	-	1050	280	80
	42.0	-	1270	-	930	210	60
	44.0	-	1200	-	880	190	40
	46.0	-	1160	-	820	170	20
	48.0	-	1110	-	760	140	0

MAIN BOOM ANGLE (deg)	JIB STRUCTURAL CAPACITIES (lbs)					
	12 FT JIB			18 FT JIB		
	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET
72	7500	5100	3500	4000	3300	2300
70	7000	4800	3400	3750	3100	2200
65	5700	4100	3100	3200	2700	2000
60	4500	3500	2800	2800	2400	1850
55	3500	3000	2550	2450	2150	1700
50	2800	2500	2300	2150	1950	1600
45	2300	2200	2000	1900	1750	1500
40	2000	1900	1800	1700	1600	1400
35	1775	1675	1600	1525	1450	1350
30	1600	1500	1400	1400	1300	1300
25	1450	1400	-	1275	1200	-
20	1350	1350	-	1175	1125	-
15	1300	1300	-	1100	1100	-
10	1275	-	-	1050	-	-
5	1225	-	-	1025	-	-
0	1200	-	-	1000	-	-



REDUCTION CHART		
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS
MAIN BLOCK	140 lbs	N/A
HOOK & BALL	100 lbs	100 lbs
JIB, STOWED	0 lbs	N/A
JIB, DEPLOYED	450 lbs	0 lbs

RIGGING CHART	
1-PART 0-10000 lbs	2-PART 0-18000 lbs
WIRE ROPE: 9/16 inch diameter Min. breaking strength 35000 lbs.	

1) The rated loads are the maximum lift capacities as determined by operating radius, boom extension and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope,shall be considered as part of the load. See reduction chart.

4) Ratings on outrigggers are for outriggers fully extended.

5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth hard level surface with boom retracted to the shortest length possible and centered over front.

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 12000 lbs. The maximum deck load only is 14000 lbs.

8) Do not induce any external side loads to boom or jib.

JIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

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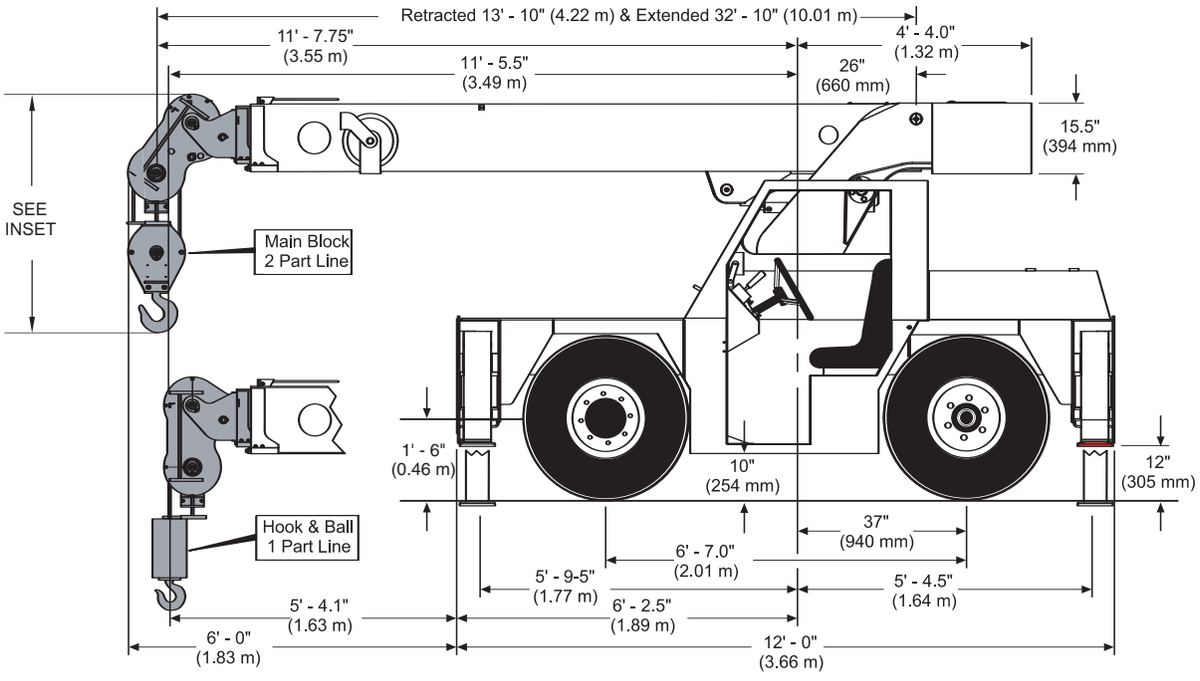
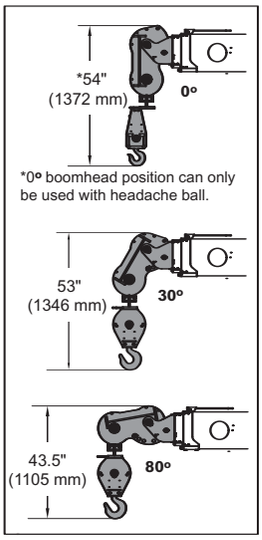
dimensions

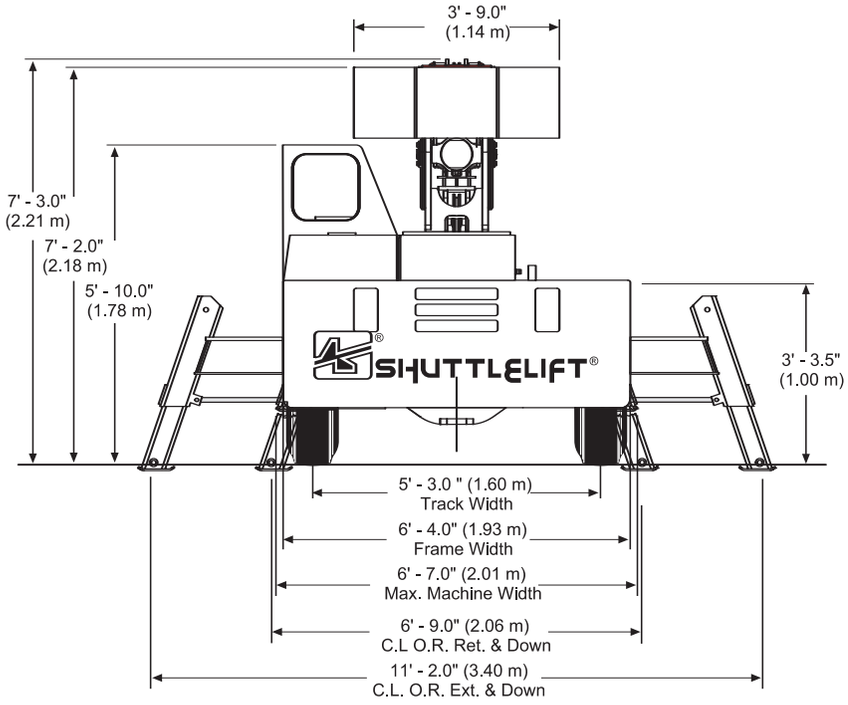
3340B





*0° boomhead position can only be used with headache ball.

Dimensions are with the boom horizontal and the anti-two block bottomed.



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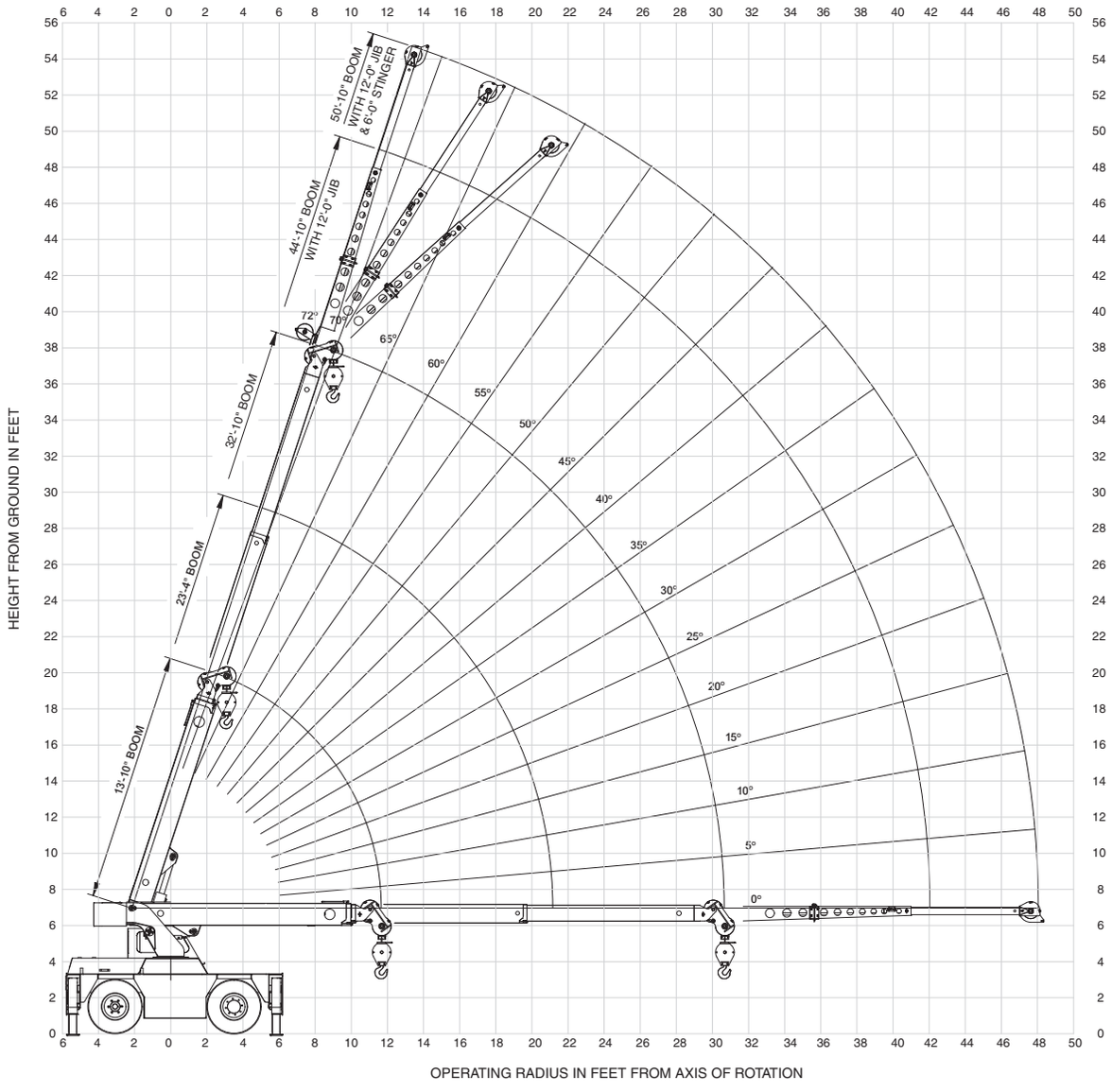
range diagram

3340B



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load chart

3340B

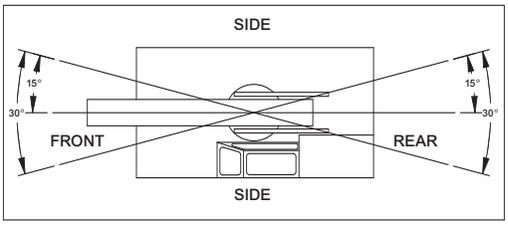
	RADIUS (ft)	ON OUTRIGGERS (lbs)				ON RUBBER (lbs)	
		EXTENDED 360º RETRACTED F/R		RETRACTED 360º		F/R	360˚
		BOOM RETRACTED	BOOM EXTENDED	BOOM RETRACTED	BOOM EXTENDED	ANY BOOM	ANY BOOM
MAIN BOOM	4.0	21000	15000	21000	15000	11500	11500
	5.0	18000	14700	18000	14700	11500	9400
	6.0	15700	14400	14400	14400	10000	7800
	8.0	12200	12200	9400	9400	8100	5900
	10.0	10200	10200	6700	6700	6100	4100
	12.0	8400	8400	5000	5000	4600	3000
	14.0	-	7100	-	3800	3600	2400
	16.0	-	6000	-	3100	2900	2000
	18.0	-	5000	-	2600	2400	1600
	20.0	-	4300	-	2100	2000	1200
	22.0	-	3700	-	1800	1700	1050
	24.0	-	3300	-	1500	1500	950
	26.0	-	2900	-	1300	1300	800
	28.0	-	2600	-	1150	1150	700
	31.0	-	2300	-	1000	900	500
JIB	34.0	-	1975	-	850	700	350
	36.0	-	1775	-	750	600	275
	38.0	-	1575	-	625	500	200
	40.0	-	1425	-	525	425	125
	42.0	-	1300	-	425	350	75
	44.0	-	1200	-	375	300	0
	46.0	-	1100	-	325	275	0
	48.0	-	1000	-	300	250	0

MAIN BOOM ANGLE (deg)	JIB STRUCTURAL CAPACITIES (lbs)					
	12 FT JIB			18 FT JIB		
	0˚ OFFSET	15˚ OFFSET	30˚ OFFSET	0˚ OFFSET	15˚ OFFSET	30˚ OFFSET
72	7500	5100	3500	4000	3300	2300
70	7000	4800	3400	3750	3100	2200
65	5700	4100	3100	3200	2700	2000
60	4500	3500	2800	2800	2400	1850
55	3500	3000	2550	2450	2150	1700
50	2800	2500	2300	2150	1950	1600
45	2300	2200	2000	1900	1750	1500
40	2000	1900	1800	1700	1600	1400
35	1775	1675	1600	1525	1450	1350
30	1600	1500	1400	1400	1300	1300
25	1450	1400	-	1275	1200	-
20	1350	1350	-	1175	1125	-
15	1300	1300	-	1100	1100	-
10	1275	-	-	1050	-	-
5	1225	-	-	1025	-	-
0	1200	-	-	1000	-	-

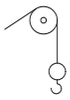
JIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY .



REDUCTION CHART		
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS
MAIN BLOCK	140 lbs	N/A
HOOK & BALL	100 lbs	100 lbs
JIB, STOWED	0 lbs	N/A
JIB, DEPLOYED	450 lbs	0 lbs

RIGGING CHART	
 1-PART 0-10000 lbs	2-PART 0-21000 lbs
WIRE ROPE: 9/16 inch diameter Min. breaking strength 36750 lbs.	

1) The rated loads are the maximum lift capacities as determined by operating radius, boom extension and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

4) Ratings on outrigggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting.

5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth hard level surface with boom retracted to the shortest length possible and centered over front.

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 12000 lbs. The maximum deck load only is 14000 bs.

8) Do not induce any external side loads to boom or jib.

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notes

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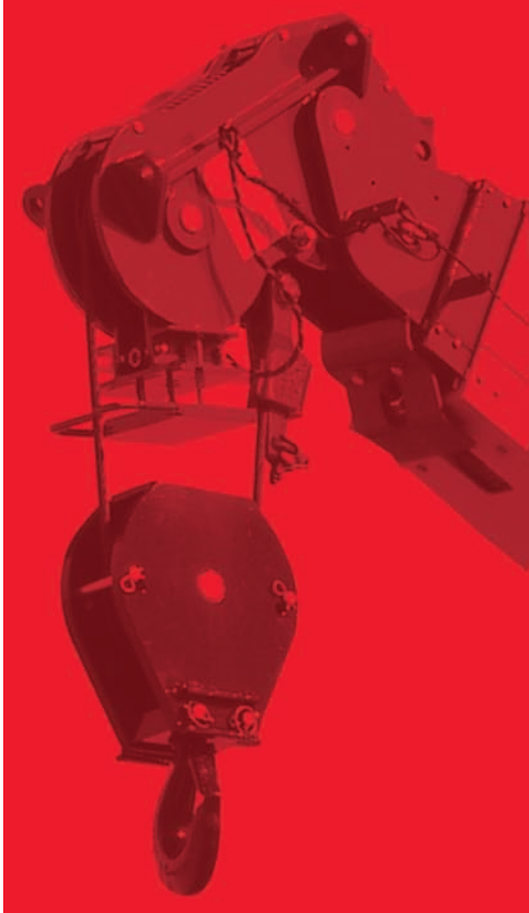

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