

National Crane 900A Series

Product Guide



Features

- 31,4 m (103 ft) four-section boom
- 23,6 t (26 USt) rating
- Self-lubricating Easy Glide wear pads
- Internal anti-two block

Features

Boom

The 31,4 m (103 ft) four-section boom is the longest in its size range. The longer boom allows the operator to perform more lifts without the use of a jib, reducing setup time and improving efficiency.



Outriggers

"A" frame main outriggers with 21 ft span. RSOD 16 ft out and down, rear stabilizers for standard behind-cab mount.



Two-speed auger option

Available on the 990A, the 14,000 ft/lb two-speed drive auger with a maximum digging radius of 39 ft gives your crane enhanced working capabilities. Controls are located at the operator's console and hose slider on boom. Auger fighting is available.

Easy Glide boom wear pads

Reduce the conditions that cause boom chatter and vibration resulting in smoother crane operation.



Features

Performance you can rely on

- The Series 900A is standard with 375° non-continuous rotation
- Burst of speed winch provides faster winch payout and pickup of unloaded cable
- The stronger standard torsion box improves rigidity, reduces truck frame flex and reduces the need for counterweight
- A control knob located on the swing motor brake release valve can be easily adjusted to the crane operator's swing speed preference.



* Product may be shown with optional equipment.

Improved serviceability and reliability help keep you working longer

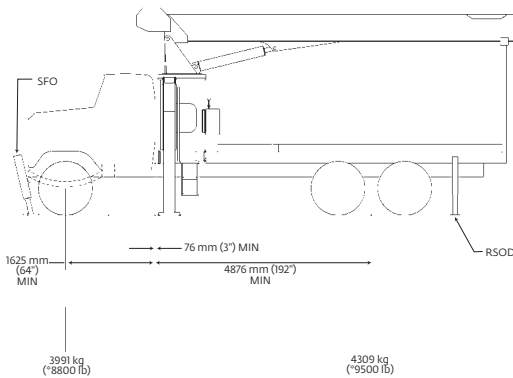
- Bearings on the boom and retract cables can be greased through access holes in the boom side plates
- Number of internal boom parts has been reduced, decreasing service time when rebuilding the machine
- Standard on the 900A, internal anti-two block wire routing eliminates the external reel and wire, removing the possibility of snagging reel or wire on obstructions and causing damage.
- Painting crane components before assembly reduces the possibility of rust, improves serviceability and enhances the appearance of the machine
- A removable winch allows the internal telescoping cylinder to be removed quickly, without dismantling the boom.
- Speedy-reeve boom tip and sheave blocks simplify rigging changes by decreasing the time needed to change line reeving

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Mounting configurations

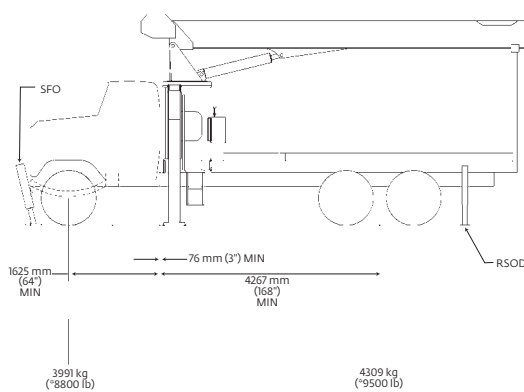
The configurations are based on the Series 900A with an 85% stability factor. The complete unit must be installed in accordance with factory requirements and a test performed to determine actual stability and counterweight requirements since individual truck chassis vary.



Configuration 1 – 9103A with SFO (Extended front frame rails required for SFO installation.)

Working area	360°
Gross Axle Weight Rating Front.....	7257 kg (16,000 lb)
Gross Axle Weight Rating Rear.....	15 422 kg (34,000 lb)
Gross Vehicle Weight Rating.....	22 679 kg (50,000 lb)
Wheelbase.....	650 cm (256 in)
Cab to Axle/trunnion (CA/CT)	488 cm (192 in)
Frame Section Modulus (SM) under crane: 758 MPa (110,000 PSI)	327 cm³ (20 in³)
Frame Section Modulus (SM) over rear stabilizers: 758 MPa (110,000 PSI)	245 cm³ (15 in³)
Stability Weight, Front	3991 kg (8800 lb) minimum*
Stability Weight, Rear	4309 kg (9500 lb) minimum*
Estimated Average Final Weight	19 459 kg (42,900 lb)

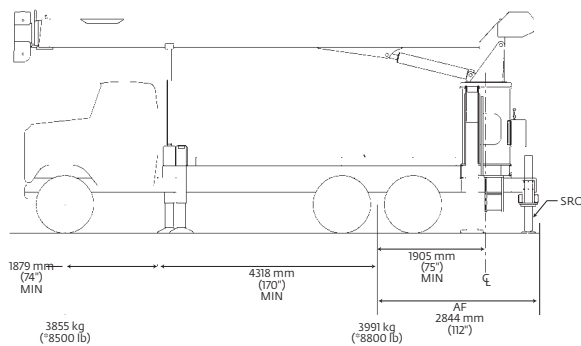
This mount requires front stabilizer for full capacity 360° around the truck. Front stabilizer gives the machine a solid base, helping the operator control loads. This configuration requires a 6,71 m (22 ft) bed.



Configuration 2 – 990A / 969A with SFO (Extended front frame rails required for SFO installation.)

Working area	360°
Gross Axle Weight Rating Front.....	7257 kg (16,000 lb)
Gross Axle Weight Rating Rear.....	15 422 kg (34,000 lb)
Gross Vehicle Weight Rating.....	22 679 kg (50,000 lb)
Wheelbase.....	589 cm (232 in)
Cab to Axle/trunnion (CA/CT)	427 cm (168 in)
Frame Section Modulus (SM) under crane: 758 MPa (110,000 PSI)	327 cm³ (20 in³)
Frame Section Modulus (SM) over rear stabilizers: 758 MPa (110,000 PSI)	245 cm³ (15 in³)
Stability Weight, Front	3991 kg (8800 lb) minimum*
Stability Weight, Rear	4309 kg (9500 lb) minimum*
Estimated Average Final Weight	18 551 kg (40,900 lb)

This configuration allows the installation of the 990A or 969A on a chassis by using a subbase for a 6,10 m (20 ft) bed or a different subbase for a 6,71 m (22 ft) bed. This mount requires front stabilizer for full capacity 360° around the truck. Front stabilizer gives the machine a solid base, helping the operator control loads.



Configuration 3 – Rear Mount

Working area	360°
Gross Axle Weight Rating Front.....	7257 kg (16,000 lb)
Gross Axle Weight Rating Rear.....	18 143 kg (40,000 lb)
Gross Vehicle Weight Rating.....	25 401 kg (56,000 lb)
Wheelbase.....	620 cm (244 in)
Cab to Axle/trunnion (CA/CT)	MINIMUM 432 cm (170 in)
Frame Section Modulus (SM) under crane: 758 MPa (110,000 PSI)	260 cm³ (15.9 in³)
Stability Weight, Front	3855 kg (8500 lb) minimum*
Stability Weight, Rear	3991 kg (7000 lb) minimum*
Estimated Average Final Weight	19 504 kg (43,000 lb)

This configuration allows the rear-mount installation of the Series 900A. This configuration is 360° stable and allows the effective use of close working area to lift the heavier capacity loads. Maximum bed length is 4,87 m (16 ft).

Notes:

- Gross Vehicle Weight Rating (GVWR) is dependent on all components of the vehicle (axles, tires, springs, frame, etc.) meeting manufacturers' recommendations; always specify GVWR when purchasing trucks
- Diesel engines require a variable speed governor and energize-to-run fuel solenoid for smooth crane operation; electronic fuel injection requires EET engine remote throttle

- All mounting data is based on a National Series 900A with an 85 percent stability factor
- The complete unit must be installed in accordance with factory requirements, and a test performed to determine actual stability and counterweight requirements per SAE J765; contact the factory for details
- Transmission neutral safety interlock switch is required with optional remote control

*Estimated axle scale rates prior to installation of crane, stabilizers and subbase for 85% stability.

Specifications

Boom and jib combinations data

Available in three basic models.

Model 969A – Equipped with a 8,38 m - 21, 08 m (27 ft 6 in - 69 ft 2 in) three-section boom.
Maximum tip height 24 m (78 ft).

8,38 m - 21,08 m (27 ft 6 in - 69 ft 2 in) three-section boom



Model 990A – Equipped with a 8,38 m- 27,4 m (27 ft 6 in - 90 ft 6 in) four-section boom. This model can be equipped with a 7,62 m - 13,41 m (25 ft - 44 ft) two-section jib. Maximum tip height with 13,41 m (44 ft) jib is 43,58 m (143 ft).

8,38 m - 27,58 m (27 ft 6 in - 90 ft 6 in) four-section boom **9FJ44M** 7,62 m - 13,41 m (25 ft - 44 ft) two-section jib



Model 9103A – Equipped with a 9,37 m - 31,4 m (30 ft 9 in - 102 ft 10 in) four-section boom. This model can be equipped with a 7,62 m - 13,41 m (25 ft - 44 ft) two-section jib. Maximum tip height with 13,41 m (44 ft) jib is 47,24 m (155 ft).

9,37 m - 31,34 m (30 ft 9 in - 102 ft 10 in) four-section boom **9FJ44M** 7,62 m - 13,41 m (25 ft - 44 ft) two-section jib


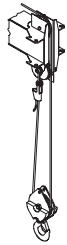







Note: Maximum tip height is measured with outriggers/stabilizers fully extended.

Specifications

900A winch data

- All winch pulls and speeds in this chart are shown on the fourth layer
- Winch line pulls would increase on the first, second and third layers
- Winch line speed would decrease on the first, second and third layers
- Winch line pulls may be limited by the winch capacity or the ANSI 1 to 1 cable safety factor
- Hook blocks are rated at maximum capacity for the block. Do not exceed rated cable pull with any block.

1 part line	2 part line	3 part line	4 part line	5 part line	6 part line	7 part line
						
MAX. PULL 7700 lb	MAX. PULL 15,400 lb	MAX. PULL 23,100 lb	MAX. PULL 30,800 lb	MAX. PULL 38,500 lb	MAX. PULL 46,200 lb	MAX. PULL 52,000 lb

Winch	Cable supplied	Avg. breaking strength	Lift and speed	Lift and speed	Lift and speed	Lift and speed	Lift and speed	Lift and speed	Lift and speed
Standard planetary winch	1 1/16 inch diameter rotation resistant	11463 kg (31,000 lb)	34,12 kg (11,000 lb) 41 m/min (133 fpm)	6144 kg (17,400 lb) 20 m/min (66 fpm)	10414 kg (23,100 lb) 13 m/min (43 fpm)	13110 kg (30,000 lb) 10 m/min (34 fpm)	11463 kg (31,000 lb) 11 m/min (36 fpm)	20144 kg (46,200 lb) 11 m/min (36 fpm)	23116 kg (52,000 lb) 11 m/min (36 fpm)
With "Burst of Speed" winch	Same as corresponding cable data shown above		1360 kg (3000 lb) 62 m/min (206 fpm)	2121 kg (6000 lb) 31 m/min (103 fpm)	4012 kg (11,000 lb) 11,11 m/min (64 fpm)	11443 kg (12,000 lb) 11 m/min (36 fpm)	6103 kg (13,000 lb) 12 m/min (41 fpm)	1164 kg (11,000 lb) 10 m/min (34 fpm)	1121 kg (21,000 lb) 11 m/min (36 fpm)

Winch	Bare drum pull	Allowable cable pull
With standard rotation resistant rope.....	46214 kg (10,200 lb)...	34113 kg (11,000 lb)

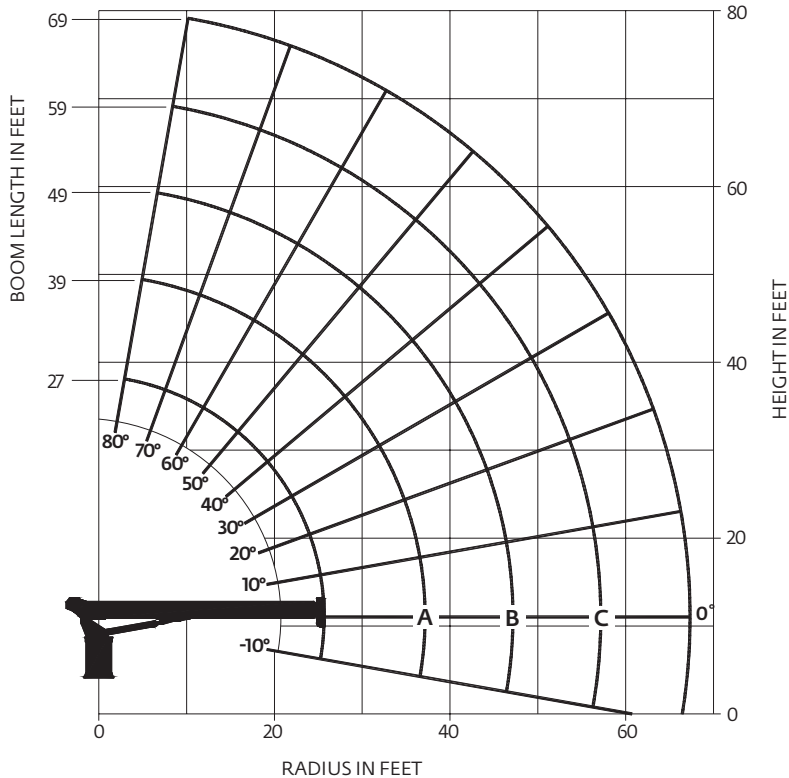
Block Type	Rating	Weight
Downhaul Weight.....	3,41 t (3,11 USt)...	61 kg (110 lb)
1 Sheave Block.....	10,41 t (11,11 USt)...	131 kg (301 lb)
2 Sheave Block.....	11,46 t (11,21 USt)...	161 kg (331 lb)
3 Sheave Block.....	21,22 t (30 USt)	260 kg (531 lb)

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.

Capacities

Series 9 9A: 110 m 9 ft boom with LMI



CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 3 m (10 ft) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section.
- Do not exceed capacities at reduced radii
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

Load chart

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	27 ft BOOM (lb)	LOADED BOOM ANGLE	A 39 ft BOOM (lb)	LOADED BOOM ANGLE	B 49 ft BOOM (lb)	LOADED BOOM ANGLE	C 59 ft BOOM (lb)	LOADED BOOM ANGLE	69 ft BOOM (lb)
5	77	52,000								
8	70	37,200								
10	65.5	31,700								
12	60.5	27,200	70.5	25,200	75	24,300	78	23,100		
14	55.5	22,300	67	21,700	72.5	20,600	76	19,400	78	17,800
16	51	20,000	63.5	17,300	70	16,600	73.5	17,300	76.5	15,800
20	37.5	15,700	57	15,700	64.5	15,600	69.5	15,100	73	13,700
25			47	12,100	58	12,100	64.5	12,100	68.5	11,600
30			35.5	9750	50.5	9750	58.5	9750	64	9750
35			19.5	7600	42	8000	52.5	8000	59.5	8000
40					32.5	6700	46.5	6700	54.5	6700
45					18	5450	39	5450	49	5450
50							30	4500	43	4500
55							16.5	3700	36.5	3900
60									28	3250
65									16	2650
	0	7200	0	4200	0	2800	0	1950	0	1250

Note:

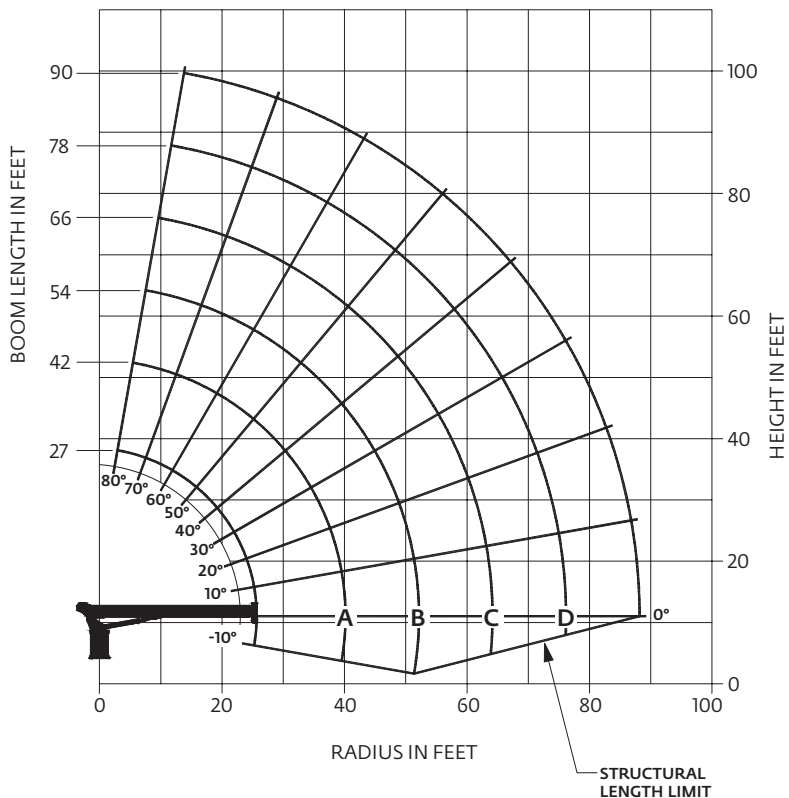
1. Capacities do not exceed 85% stability.
2. Shaded areas are structurally limited capacities.

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Capacities

Series 990A: 90 ft boom with LMI



CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 3 m (10 ft) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section.
- Do not exceed capacities at reduced radii
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

Load chart												
LOAD RADIUS (FEET)	LOADED BOOM ANGLE	27 ft BOOM (lb)	LOADED BOOM ANGLE	A 42 ft BOOM (lb)	LOADED BOOM ANGLE	B 54 ft BOOM (lb)	LOADED BOOM ANGLE	C 66 ft BOOM (lb)	LOADED BOOM ANGLE	D 78 ft BOOM (lb)	LOADED BOOM ANGLE	90 ft BOOM (lb)
5	77	52,000										
8	70.5	36,600										
10	66	31,300	75	27,300	79	25,600						
12	60.5	26,600	72	23,400	77	21,900						
14	55.5	22,300	69	20,500	74	20,400	78	18,300				
16	50	20,000	66	18,200	72.5	17,000	76	15,900	78.5	14,900		
20	38.5	15,500	59.5	15,000	67.5	14,800	72.5	13,800	75.5	12,700	78	11,600
25			51.5	11,700	61.5	11,300	68	11,200	71.5	10,500	74.5	9400
30			41.5	9450	55	9200	62.5	9200	67.5	8800	71	7900
35			30	7450	48.5	7650	58	7400	64	7350	68	6800
40					41	6400	52.5	6200	59.5	6050	64.5	5950
45					31.5	5200	46.5	5300	55	5100	61	5000
50					17.5	4150	40	4550	50.5	4450	57	4350
55							32.5	3750	45	3850	53	3800
60							22	2850	39.5	3300	48.5	3350
65									33	2750	44	2900
70									24.5	2150	39	2450
75									11	1250	33.5	2050
80											26.5	1650
85											16.5	1050
	0	7100	0	3400	0	1900	0	900				

Note:

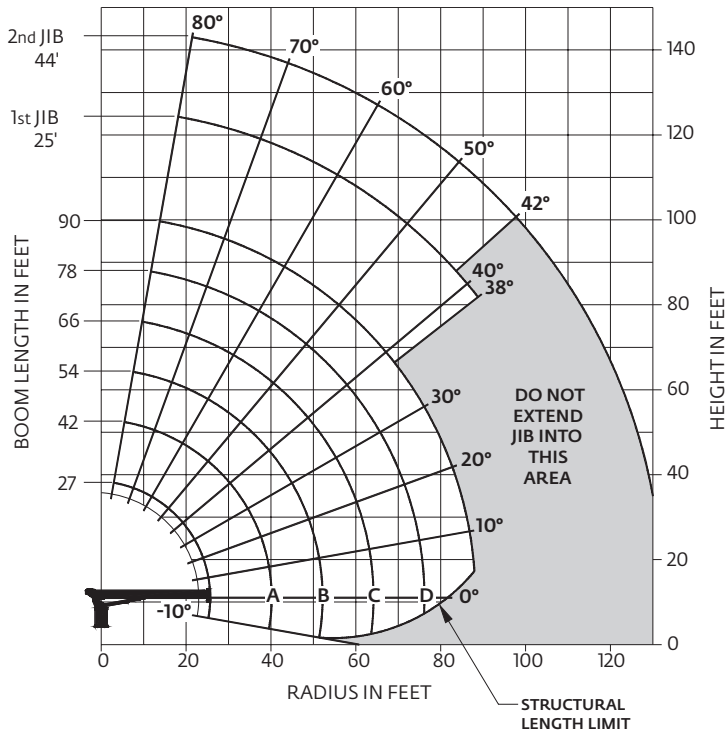
1. Capacities do not exceed 85% stability.
2. Shaded areas are structurally limited capacities.

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Capacities

Series 990A: 90 ft boom with 44 ft jib



CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 3 m (10 ft) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section.
- Do not exceed capacities at reduced radii
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

Note:

1. Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
2. Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

Load chart

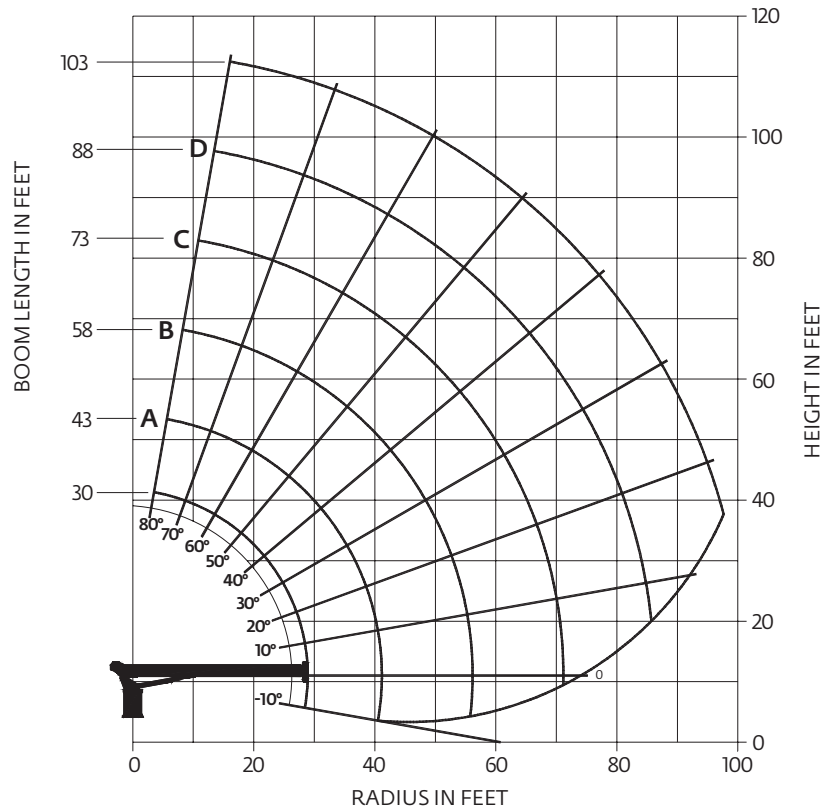
LOAD RADIUS (FEET)	LOADED BOOM ANGLE	27 ft BOOM (lb)	LOADED BOOM ANGLE	A 42 ft BOOM (lb)	LOADED BOOM ANGLE	B 54 ft BOOM (lb)	LOADED BOOM ANGLE	C 66 ft BOOM (lb)	LOADED BOOM ANGLE	D 78 ft BOOM (lb)	LOADED BOOM ANGLE	90 ft BOOM (lb)	LOAD RADIUS (FEET)	LOADED BOOM ANGLE	25 ft JIB (lb)	LOADED BOOM ANGLE	44 ft JIB (lb)
5	77	52,000											30	75	4850	77.5	3300
8	70.5	35,900											35	72.5	4350	75	3250
10	66	30,600	75	26,900	79	25,300							40	70	3900	73	3200
12	60.5	25,900	72	23,000	77	21,600							45	67	3500	71	3050
14	55.5	21,600	69	20,100	74	20,100	78	18,100					50	64.5	3150	69	2750
16	50	19,300	66	17,800	72.5	16,700	76	15,700	78.5	14,700			55	61.5	2800	66.5	2400
20	38.5	14,800	59.5	14,600	67.5	14,500	72.5	13,600	75.5	12,500	78	11,500	60	59	2500	64	2150
25			51.5	11,300	61.5	11,000	68	11,000	71.5	10,300	74.5	9300	65	56	2200	61.5	1900
30			41.5	9050	55	8900	62.5	9000	67.5	8600	71	7800	70	52.5	1750	59	1700
35			30	7050	48.5	7350	58	7200	64	7150	68	6700	75	49	1400	56.5	1550
40					41	6100	52.5	6000	59.5	5850	64.5	5850	80	45.5	1100	54	1400
45					31.5	4900	46.5	5100	55	4900	61	4900	85	42	800	51.5	1250
50					17.5	3850	40	4350	50.5	4250	57	4250	90	38	550	48	1000
55							32.5	3550	45	3650	53	3700	95			45	800
60							22	2650	39.5	3100	48.5	3250	100			42	600
65									33	2550	44	2800					
70									24.5	1950	39	2350					
75									11	1050	33.5	1950					
80											26.5	1550					
85											16.5	950					
	0	6400	0	3000	0	1600	0	700									
ADD TO CAPACITIES WHEN NO JIB STOWED (lb)		700		400		300		200		200		100					

Note:

1. Capacities do not exceed 85% stability.
2. Shaded areas are structurally limited capacities.

Capacities

Series 9 0 A: 100 m 100 ft boom with LMI



CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 3 m (10 ft) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section.
- Do not exceed capacities at reduced radii
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

Load chart

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	30 ft BOOM (lb)	LOADED BOOM ANGLE	A 43 ft BOOM (lb)	LOADED BOOM ANGLE	B 58 ft BOOM (lb)	LOADED BOOM ANGLE	C 73 ft BOOM (lb)	LOADED BOOM ANGLE	D 88 ft BOOM (lb)	LOADED BOOM ANGLE	103 ft BOOM (lb)
5	78.5	52,000										
8	72.5	35,700										
10	68.5	29,900	75.5	27,000	80	25,400						
12	64.5	25,600	72.5	23,100	78	21,700						
14	60	22,100	69.5	20,200	76	19,800	79.5	18,100				
16	55.5	19,800	67	17,900	74	16,800	78	15,700	80	14,600		
20	45	15,200	60.5	14,600	69	14,200	74	13,000	77.5	12,000	80	10,800
25			52	11,400	63.5	11,000	70	10,500	74	9700	77	9350
30			42.5	9100	57.5	8950	65.5	8700	70.5	8050	74.5	7400
35			32.5	7100	52.5	7350	62	7150	67.5	6700	71.5	6300
40					45.5	6100	57	5950	64	5750	68.5	5400
45					38	4950	52	5050	60	4900	65.5	4750
50					28	3900	46.5	4300	56	4250	62	4150
55							40.5	3500	52	3600	59	3600
60							34	2900	47.5	3050	55.5	3150
65									42.5	2500	52	2700
70									37.5	2050	48	2300
75									31	1650	44	1900
80											39.5	1500
85											34.5	1150
	0	5350	0	2800	0	1250						

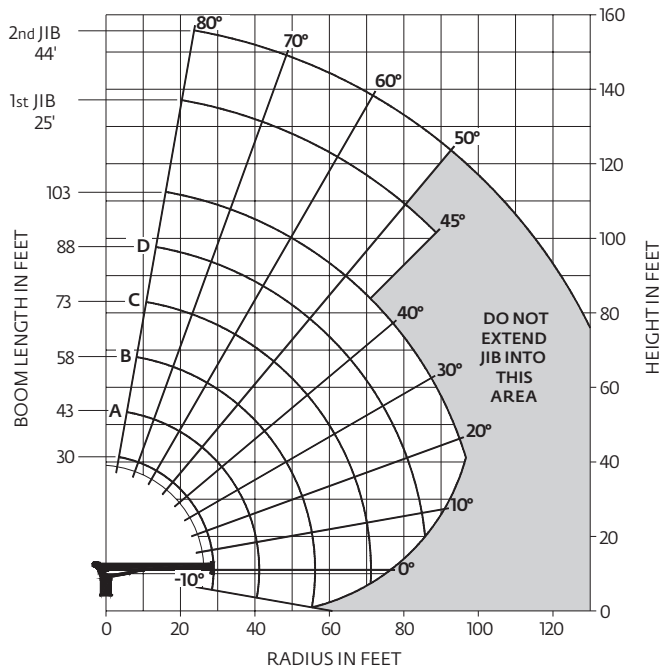
Note:

1. Capacities do not exceed 85% stability.
2. Shaded areas are structurally limited capacities.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

Capacities

Series 9 0 A: 100 m 100 ft boom with 100 m 100 ft jib



Note:

1. Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
2. Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

CAUTION:

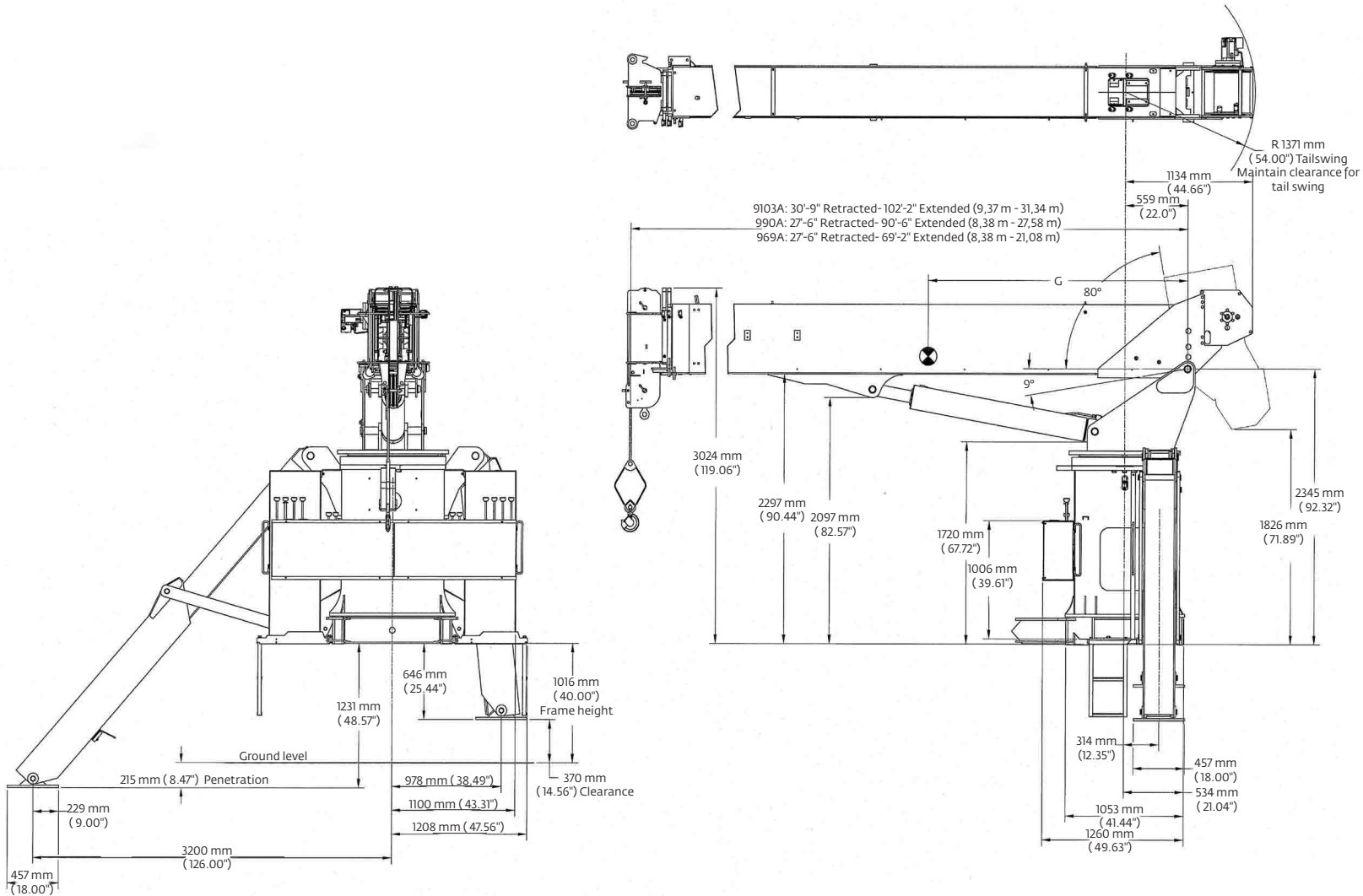
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- Jib and boom capacities shown are maximum for each section.
- Do not exceed capacities at reduced radii
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not exceed jib capabilities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

Load chart

LOAD RADIUS FEET	LOADED BOOM ANGLE	0 ft BOOM lb	LOADED BOOM ANGLE	A 100 ft BOOM lb	LOADED BOOM ANGLE	B 100 ft BOOM lb	LOAD BOOM ANGLE	C 100 ft BOOM lb	LOADED BOOM ANGLE	D 100 ft BOOM lb	LOADED BOOM ANGLE	0 ft BOOM lb
30	6.0	34,000										
40	4.0	34,000	16.0	24,000								
60	2.0	34,000	26.0	22,000	10.0	24,000						
80	1.0	24,000	32.0	22,000	16.0	21,000						
100	0.5	21,000	38.0	19,000	22.0	19,000	10.0	19,000				
120	0.2	19,000	44.0	17,000	28.0	17,000	16.0	17,000	10.0	14,300		
140	0.1	14,300	50.0	14,000	34.0	13,000	22.0	12,600	16.0	11,000	10.0	10,000
160	0.0	10,000	56.0	10,000	40.0	10,000	28.0	10,000	22.0	8,400	16.0	8,000
180	0.0	8,000	62.0	8,000	46.0	8,000	34.0	8,000	28.0	7,000	22.0	6,000
200	0.0	6,000	68.0	6,000	52.0	6,000	40.0	6,000	34.0	6,000	28.0	5,000
220	0.0	4,000	74.0	4,000	58.0	4,000	46.0	4,000	40.0	4,000	34.0	4,000
240	0.0	3,000	80.0	3,000	64.0	3,000	52.0	3,000	46.0	3,000	40.0	3,000
260	0.0	2,000	86.0	2,000	70.0	2,000	58.0	2,000	52.0	2,000	46.0	2,000
280	0.0	1,000	92.0	1,000	76.0	1,000	64.0	1,000	58.0	1,000	52.0	1,000
300	0.0	0	98.0	0	82.0	0	70.0	0	64.0	0	58.0	0
320	0.0	0	104.0	0	88.0	0	76.0	0	70.0	0	64.0	0
340	0.0	0	110.0	0	94.0	0	82.0	0	76.0	0	70.0	0
360	0.0	0	116.0	0	100.0	0	88.0	0	82.0	0	76.0	0
380	0.0	0	122.0	0	106.0	0	94.0	0	88.0	0	82.0	0
400	0.0	0	128.0	0	112.0	0	100.0	0	94.0	0	88.0	0
420	0.0	0	134.0	0	118.0	0	106.0	0	100.0	0	94.0	0
440	0.0	0	140.0	0	124.0	0	112.0	0	106.0	0	100.0	0
460	0.0	0	146.0	0	130.0	0	118.0	0	112.0	0	106.0	0
480	0.0	0	152.0	0	136.0	0	124.0	0	118.0	0	112.0	0
500	0.0	0	158.0	0	142.0	0	130.0	0	124.0	0	118.0	0
520	0.0	0	164.0	0	148.0	0	136.0	0	130.0	0	124.0	0
540	0.0	0	170.0	0	154.0	0	142.0	0	136.0	0	130.0	0
560	0.0	0	176.0	0	160.0	0	148.0	0	142.0	0	136.0	0
580	0.0	0	182.0	0	166.0	0	154.0	0	148.0	0	142.0	0
600	0.0	0	188.0	0	172.0	0	160.0	0	154.0	0	148.0	0
620	0.0	0	194.0	0	178.0	0	166.0	0	160.0	0	154.0	0
640	0.0	0	200.0	0	184.0	0	172.0	0	166.0	0	160.0	0
660	0.0	0	206.0	0	190.0	0	178.0	0	172.0	0	166.0	0
680	0.0	0	212.0	0	196.0	0	184.0	0	178.0	0	172.0	0
700	0.0	0	218.0	0	202.0	0	190.0	0	184.0	0	178.0	0
720	0.0	0	224.0	0	208.0	0	196.0	0	190.0	0	184.0	0
740	0.0	0	230.0	0	214.0	0	202.0	0	196.0	0	190.0	0
760	0.0	0	236.0	0	220.0	0	208.0	0	202.0	0	196.0	0
780	0.0	0	242.0	0	226.0	0	214.0	0	208.0	0	202.0	0
800	0.0	0	248.0	0	232.0	0	220.0	0	214.0	0	208.0	0
820	0.0	0	254.0	0	238.0	0	226.0	0	220.0	0	214.0	0
840	0.0	0	260.0	0	244.0	0	232.0	0	226.0	0	220.0	0
860	0.0	0	266.0	0	250.0	0	238.0	0	232.0	0	226.0	0
880	0.0	0	272.0	0	256.0	0	244.0	0	238.0	0	232.0	0
900	0.0	0	278.0	0	262.0	0	250.0	0	244.0	0	238.0	0
920	0.0	0	284.0	0	268.0	0	256.0	0	250.0	0	244.0	0
940	0.0	0	290.0	0	274.0	0	262.0	0	256.0	0	250.0	0
960	0.0	0	296.0	0	280.0	0	268.0	0	262.0	0	256.0	0
980	0.0	0	302.0	0	286.0	0	274.0	0	268.0	0	262.0	0
1000	0.0	0	308.0	0	292.0	0	280.0	0	274.0	0	268.0	0
1020	0.0	0	314.0	0	298.0	0	286.0	0	280.0	0	274.0	0
1040	0.0	0	320.0	0	304.0	0	292.0	0	286.0	0	280.0	0
1060	0.0	0	326.0	0	310.0	0	298.0	0	292.0	0	286.0	0
1080	0.0	0	332.0	0	316.0	0	304.0	0	298.0	0	292.0	0
1100	0.0	0	338.0	0	322.0	0	310.0	0	304.0	0	298.0	0
1120	0.0	0	344.0	0	328.0	0	316.0	0	310.0	0	304.0	0
1140	0.0	0	350.0	0	334.0	0	322.0	0	316.0	0	310.0	0
1160	0.0	0	356.0	0	340.0	0	328.0	0	322.0	0	316.0	0
1180	0.0	0	362.0	0	346.0	0	334.0	0	328.0	0	322.0	0
1200	0.0	0	368.0	0	352.0	0	340.0	0	334.0	0	328.0	0
1220	0.0	0	374.0	0	358.0	0	346.0	0	340.0	0	334.0	0
1240	0.0	0	380.0	0	364.0	0	352.0	0	346.0	0	340.0	0
1260	0.0	0	386.0	0	370.0	0	358.0	0	352.0	0	346.0	0
1280	0.0	0	392.0	0	376.0	0	364.0	0	358.0	0	352.0	0
1300	0.0	0	398.0	0	382.0	0	370.0	0	364.0	0	358.0	0
1320	0.0	0	404.0	0	388.0	0	376.0	0	370.0	0	364.0	0
1340	0.0	0	410.0	0	394.0	0	382.0	0	376.0	0	370.0	0
1360	0.0	0	416.0	0	400.0	0	388.0	0	382.0	0	376.0	0
1380	0.0	0	422.0	0	406.0	0	394.0	0	388.0	0	382.0	0
1400	0.0	0	428.0	0	412.0	0	400.0	0	394.0	0	388.0	0
1420	0.0	0	434.0	0	418.0	0	406.0	0	400.0	0	394.0	0
1440	0.0	0	440.0	0	424.0	0	412.0	0	406.0	0	400.0	0
1460	0.0	0	446.0	0	430.0	0	418.0	0	412.0	0	406.0	0
1480	0.0	0	452.0	0	436.0	0	424.0	0	418.0	0	412.0	0
1500	0.0	0	458.0	0	442.0	0	430.0	0	424.0	0	418.0	0
1520	0.0	0	464.0	0	448.0	0	436.0	0	430.0	0	424.0	0
1540	0.0	0	470.0	0	454.0	0	442.0	0	436.0	0	430.0	0
1560	0.0	0	476.0	0	460.0	0	448.0	0	442.0	0	436.0	0
1580	0.0	0	482.0	0	466.0	0	454.0	0	448.0	0	442.0	0
1600	0.0	0	488.0	0	472.0	0	460.0	0	454.0	0	448.0	0
1620	0.0	0	494.0	0	478.0	0	466.0	0	460.0	0	454.0	0
1640	0.0	0	500.0	0	484.0	0	472.0	0	466.0	0	460.0	0
1660	0.0	0	506.0	0	490.0	0	478.0	0	472.0	0	466.0	0
1680	0.0	0	512.0	0	496.0	0	484.0	0	478.0	0	472.0	0
1700	0.0	0	518.0	0	502.0	0	490.0	0	484.0	0	478.0	0
1720	0.0	0	524.0	0	508.0	0	496.0	0	490.0	0	484.0	0
1740	0.0	0	530.0	0	514.0	0	502.0	0	496.0	0	490.0	0
1760	0.0	0	536.0	0	520.0	0	508.0	0	502.0	0	496.0	0
1780	0.0	0	542.0	0	526.0	0	514.0	0	508.0	0	502.0	0
1800	0.0	0	548.0	0	532.0	0	520.0	0	514.0	0	508.0	0
1820	0.0	0	554.0	0	538.0	0	526.0	0	520.0	0	514.0	0
1840	0.0	0	560.0	0	544.0	0	532.0	0	526.0	0	520.0	0
1860	0.0	0	566.0	0	550.0	0	538.0	0	532.0	0	526.0	0
1880	0.0	0	572.0	0	556.0	0	544.0	0	538.0	0	532.0	0
1900	0.0	0	578.0	0	562.0	0	550.0	0	544.0	0	538.0	0
1920	0.0	0	584.0	0	568.0	0	556.0	0	550.0	0	544.0	0
1940	0.0	0	590.0	0	574.0	0	562.0	0	556.0	0	550.0	0
1960	0.0	0	596.0	0	580.0	0	568.0	0	562.0	0	556.0	0
1980	0.0	0	602.0	0	586.0	0	574.0	0	568.0	0	562.0	0
2000	0.0	0	608.0	0	592.0	0	580.0	0	574.0	0	568.0	0
2020	0.0	0	614.0	0	598.0	0	586.0	0	580.0	0	574.0	0
2040	0.0	0	620.0	0	604.0	0	592.0	0	586.0	0	580.0	0
2060	0.0	0	626.0	0	610.0	0	598.0	0	592.0	0	586.0	0
2080	0.0	0	632.0	0	616.0	0	604.0	0	598.0	0	592.0	0
2100	0.0	0	638.0	0	622.0	0	610.0	0	604.0	0	598.0	0
2120	0.0	0	644.0	0	628.0	0	616.0	0	610.0	0	604.0	0
2140	0.0	0	650.0	0	634.0	0	622.0	0	616.0	0	610.0	0
2160	0.0	0	656.0	0	640.0	0	628.0	0	622.0	0	616.0	0
2180	0.0	0	662.0	0	646.0	0	634.0	0	628.0	0	622.0	0
2200	0.0	0	668.0	0	652.0	0	640.0	0	634.0	0	628.0	0
2220	0.0	0	674.0	0	658.0	0	646.0	0	640.0	0	634.0	0
2240	0.0	0	680.0	0	664.0	0	652.0	0	646.0	0	640.0	0
2260												

Series	Retracted length	Extended length	G	Dry weight *	w/oil weight*
*060A	27 ft 6 in	67 ft 2 in	221 cm (87 in)	1000 kg (2,200 lb)	1002 kg (2,200 lb)
*090A	27 ft 6 in	100 ft 6 in	234 cm (92 in)	1036 kg (22,800 lb)	1002 kg (21,610 lb)
**130A	30 ft 6 in	102 ft 10 in	264 cm (106 in)	1004 kg (22,100 lb)	10312 kg (22,800 lb)

* Includes standard 20 ft subbase
** Includes standard 22 ft subbase



Dimensions

Accessories

Radio Remote Controls –

Eliminate the handling and maintenance concerns that accompany cabled remotes. Operate to a range of about 76 m (250 ft), varying with conditions.

- **RB4R (R4 functions)**

One-Person Basket –

Strong but lightweight steel basket with 139 kg (300 lb) capacity, gravity hung with swing lock and full body harness.

- **B1-S**
- **2B1-S (for dual locking baskets)**

Heavy-duty Personnel Basket –

544 kg (1200 lb) capacity steel basket with safety loops for two passengers. Gravity leveling 183 cm x 107 cm (72 in x 42 in) platform. Fast attachment and secure locking systems. Load chart must show 1043 kg (2300 lb) minimum to operate this accessory.

- **BSA-1**
- **BSA-R1 (provides rotation)**
- **BSAY-1**
- **BSAY-2**

Hydraulic Oil Cooler –

Automatic, self-contained radiator system with electric fans cools oil under continuous operation.

- **OC**

Continuous Rotation –

Allows rotation of turret/boom without stop

- **CR**

Single Front Outrigger –

Center front stabilizer with a 25 in vertical stroke

- **SFO**

Outrigger Motion Alarms –

Available for “A” frame O/R only, not stabilizers

Available for “A” frame outriggers

- **OMA-1**
- **OMA-2**

Hour Meter –

Hour meter in truck cab to record crane operation hours.

- **HRM**

Steel Tool Box Options

Spanish-Language Danger Decals,

Control Knobs, and Operators’ Manuals

- **SDD**
- **SOM**

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Cergy

Decines

Germany

Langenfeld

Hungary

Budapest

Italy

Parabiago

Netherlands

Breda

Poland

Warsaw

Portugal

Baltar

Lisbon

Russia

Moscow

U.A.E.

Dubai

U.K.

Gawcott

Asia - Pacific

Australia

Brisbane

Melbourne

Sydney

China

Beijing

Xi'an

India

Hyderabad

Pune

Korea

Seoul

Philippines

Makati City

Singapore

Factories

Brazil

Alphaville

China

TaiAn

Zhangjiagang

France

Charlieu

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Baltar

Fânzeres

Slovakia

Saris

USA

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