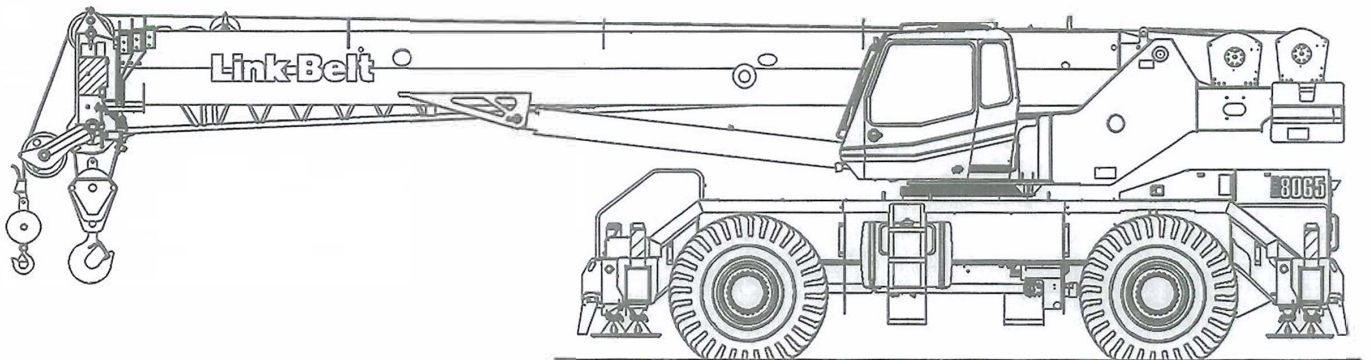


Technical Data

Specifications & Capacities

RTG 8065

Series II
Telescopic Boom Rough Terrain Crane
65 ton (60.0 metric ton)



CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

CUSTOM SERVICE CRANE, INC.

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Boom, Attachments, and Upper Structure

■ Boom

Design – Four section, formed construction of extra high tensile steel consisting of one base section and three telescoping sections. The first telescoping section extends independently by means of one double-acting, single stage hydraulic cylinder with integrated holding valves. The second and third telescoping sections extend proportionally by means of one double-acting, single stage cylinder with integrated holding valves and cables.

Boom

- 38 ft–115 ft (11.6–35.0m) four section full power boom
- Two mode boom extension: *A-max* mode provides superior capacities by extending the first telescoping section to 63 ft 8 in (19.4m). Standard mode synchronizes all the telescoping sections proportionally to 115 ft (35.0m). Controlled from the operator's cab.
- Mechanical boom angle indicator
- Maximum tip height for *A-max* mode is 73 ft 6 in (22.4m) and standard mode is 123 ft 9 in (37.7m).

Boom Head

- Four 16.5 in (41.9cm) root diameter nylon sheaves to handle up to eight parts of line
- Easily removable wire rope guards
- Rope dead end lugs on each side of the boom head
- Boom head is designed for quick-reeve of the hook block

Boom Elevation

- One double acting hydraulic cylinder with integral holding valve
- Boom elevation: -3° to 78°

Auxiliary Lifting Sheave – Optional

- Single 16.5 in (41.9m) root diameter nylon sheave
- Easily removable wire rope guards
- Does not affect erection of the fly or use of the main head sheaves

Hook Blocks and Balls – Optional

- 40 ton (36.3mt) 4 sheave quick-reeve hook block with safety latch
- 60 ton (54.4mt) 4 sheave quick-reeve hook block with safety latch
- 70 ton (63.5mt) 5 sheave quick-reeve hook block with safety latch
- 8.5 ton (7.7mt) swivel and non-swivel hook balls with safety latch

Fly – Optional

- 35 ft (10.7m) one piece lattice fly, stowable, offsettable to 2° , 15° , 30° , and 45° . Maximum tip height is 158 ft (48.2m).
- 35 ft–58 ft (10.7–17.7m) two piece bi-fold lattice fly, stowable, offsettable to 2° , 15° , 30° , and 45° . Maximum tip height is 180 ft 5 in (55.0m).

Fly Inserts – Optional

- One 16 ft (4.9m) lattice insert, equipped with two 16.5 in (41.9cm) root diameter nylon sheaves, to be mounted between the boom head and fly options. Maximum tip height is 196 ft (59.7m).
- Two 16 ft (4.9m) lattice inserts, one equipped with two 16.5 in (41.9cm) root diameter nylon sheaves, to be mounted between the boom head and fly options. Maximum tip height is 211 ft 7 in (64.5m).

■ Operator's Cab and Controls

Environmental Cab – Fully enclosed, one person cab of galvanneal steel structure with acoustical insulation Equipped with:

- Tinted and tempered glass windows
- Extra-large fixed front window with windshield wiper and washer
- Swing up roof window with windshield wiper
- Sliding left side door with large fixed window
- Sliding rear and right side windows for ventilation
- Six way adjustable, cushioned seat with seat belt and storage compartment
- Diesel fired warm-water heater with air ducts for front windshield defroster and cab floor
- Defroster fan for the front window
- Bubble level
- Circulating fan
- Adjustable sun visor
- Dome light
- Cup holder
- Fire extinguisher
- Left side viewing mirror
- Two position travel swing lock

Air Conditioning – Optional – Integral with cab heating system utilizing the same ventilation outlets

Engine Dependent Heater – Optional – Flameless, warm-water system that does not have a separate fuel tank

Steering Column – Pedestal type with tilt and telescope functions for operator comfort. Column includes the following controls and indicators:

Left and right levers include:

- Horn button
 - Turn signal switch
 - Driving light switch
 - Transmission direction switch
- Panel mounted switches for:
- Travel park brake
 - Steer mode selector
 - 2/4 wheel drive/range selector
 - Transmission gear selector
 - Hazard flasher

Hazard flasher

Panel mounted indicator/warning lights for:

- Transmission temperature
- Engine oil pressure
- Travel park brake
- Service brake
- Turn signals
- Rear wheel offset
- Emergency steer – optional

Armrest Controls – Two dual axis hydraulic joystick controllers or optional single axis hydraulic controllers for:

- Swing
- Boom hoist
- Main rear winch
- Auxiliary front winch – optional
- Drum rotation indication
- Drum rotation indicator activation switch
- Winch high/low speed and disable switch(es)
- Third wrap selector switch – optional
- Telescopic override switches
- Warning horn button
- Swing park brake

Outrigger Controls – Hand held control box with umbilical cord gives the operator the freedom to view operation while setting the outriggers.

Foot Controls

- Boom telescope
- Swing brake
- Engine throttle
- Service brake

Right Front Console – Controls and indicators for:

- | | |
|-------------------------------------|---|
| • Engine ignition | • Console dimmer switch |
| • Engine throttle lock | • Bubble level |
| • Function disable | • 12 volt power connection |
| • Front windshield wiper and washer | • Air conditioning – optional |
| • Cab floodlights | • Boom floodlight – optional |
| • Warning horn | • Rotating beacon/Strobe light – optional |
| • Heating controls | • Third wrap indicator – optional |

Cab Instrumentation – Ergonomically positioned, analog instrumentation for crane operation including:

- Engine coolant temperature with warning indicator
- Hydraulic oil temperature with warning indicator
- Fuel level with warning indicator
- Tachometer
- Transmission temperature with warning indicator
- Voltmeter with warning indicator

Rated Capacity Limiter – Microguard graphic audio–visual warning system integrated into the dash with anti–two block and function limiter. Operating data available includes:

- Crane configuration
- Boom length and angle
- Boom head height
- Allowed load and % of allowed load
- Boom angle
- Radius of load
- Actual load
- Operator settable alarms (include):
 - Maximum and minimum boom angles
 - Maximum tip height
 - Maximum boom length
 - Swing left/right positions
 - Operator defined area (imaginary plane)

Internal RCL Light Bar – **Optional** – Visually informs the operator when crane is approaching maximum load capacity with a series of green, yellow, and red lights.

External RCL Light Bar – **Optional** – Visually informs the ground crew when crane is approaching maximum load capacity with a series of green, yellow, and red lights.

■ Swing

Motor/Planetary – Bi–directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 2.0 rpm

Swing Park Brake – 360°, electric over hydraulic, (spring applied/hydraulic released) multi–disc brake mounted on the speed reducer. Operated by a switch from the operator's cab.

Swing Brake – 360°, foot operated, hydraulic applied disc brake mounted to the speed reducer

Swing Lock – Two–position swing lock (boom over front or rear) operated from the operator's cab

360° Positive Swing Lock – **Optional** – Meets New York City requirement

■ Electrical

Swing Alarm – Audio warning device signals when the upper is swinging.

Lights

- Two working lights on front of the cab
- One rotating amber beacon on top of the cab – optional
- One amber strobe beacon on top of the cab – optional
- Boom floodlight – optional

■ Load Hoist System

Load Hoist Performance

Main (Rear) and Auxiliary (Front) Winches – 3/4 in (19mm) Rope										
Layer	Maximum Line Pull		Normal Line Speed		High Line Speed		Layer		Total	
	lb	kg	ft/min	m/min	ft/min	m/min	ft	m	ft	m
1	16,883	7 658.0	183	55.7	322	98.1	86	26.2	86	26.2
2	15,253	6 918.6	203	61.8	356	108.5	96	29.3	182	55.5
3	13,910	6 309.4	222	67.6	390	118.9	105	32.0	287	87.5
4	12,785	5 799.1	242	73.7	425	129.5	114	34.7	401	122.2
5	11,828	5 365.0	261	79.5	459	139.9	123	37.5	524	159.7
6	---	---	---	---	---	---	133	40.5	657	200.3

Wire Rope Application		Diameter		Type	Maximum Permissible Load	
		in	mm		lb	kg
Main (Rear) Winch	Standard	3/4	19	6x19 IWRC – right regular lay (Type DB)	16,800	7 620.4
	Optional	3/4	19	18x19 rotation resistant – right regular lay (Type RB)	12,920	5 860.4
Auxiliary (Front) Winch	Standard	3/4	19	6x19 IWRC – right regular lay (Type DB)	16,800	7 620.4
	Optional	3/4	19	18x19 rotation resistant – right regular lay (Type RB)	12,920	5 860.4

2M Main and Optional Auxiliary Winches

- Axial piston, full and half displacement (2–speed) motors driven through planetary reduction unit for positive control under all load conditions
- Grooved lagging
- Power up/down mode of operation
- Drum rotation indicator(s)
- Drum diameter: 13 in (33.0cm)
- Rope length:
 - Front: 500 ft (152.4m)
 - Rear: 600 ft (182.9m)
- Maximum rope storage: 657 ft (200.3m)
- Terminator style socket and wedge
- Hoist drum cable followers – optional

Third wrap indicator – optional – Visually and audibly warns the operator when the wire rope is on the first/bottom layer and when the wire rope is down to the last three wraps

■ Hydraulic System

Counterbalance Valves – All hoist motors, boom extend cylinders, and boom hoist cylinders are equipped with counterbalance valves to provide load lowering and prevents accidental load drop when hydraulic power is suddenly reduced.

■ Counterweight

Total of 12,000 lb (5 443kg) of counterweight pinned to the upper structure frame with capacities for the 12,000 lb (5 443kg) configuration

Carrier

■ General

- 10 ft 7 in (3.22m) wide
- 14 ft 7 in (4.45m) wheelbase (centerline of first axle to centerline of second axle)

Frame – Box–type, torsion resistant, welded construction made of high tensile steel. Equipped with front and rear towing and tie–down lugs, tow connections, and access ladders.

■ Outriggers

Boxes – Two double box, front and rear welded to carrier frame

Beams and Jacks – Four single stage beams with Confined Area Lifting Capacities (CALC™) provide selectable outrigger extensions of full, intermediate, and retracted. Hydraulically controlled from the operator's cab with integral check valves.

Pontoons – Four lightweight, quick release, 23.5 x 23.5 in (59.7 x 59.7cm), steel pontoons with contact area of 460 in² (2 968cm²) can be stored for road travel in storage racks on the carrier.

Main Jack Reaction – 90,500 lb (41 050kg) force and 197 psi (1 358kPa) ground bearing pressure

■ Steering and Axles

Steering – Four independent modes consisting of two wheel front, two wheel rear, four wheel, and crab. Each mode is controlled from the steering wheel and is selected by a switch in the operator's cab.

Drive – Two modes: 4 x 2 and 4 x 4 for off highway travel
Axle 1 – Steered, non–driven for 4 x 2 and steered, driven for 4 x 4

Axle 2 – Steered, driven

■ Suspension

Front – Rigid mount to the carrier frame

Rear – The rear axle is suspended on the oscillation cylinders with motion of the axle controlled by a four bar linkage system. The oscillation cylinders lockout when the upper structure rotates 2.5° past centerline.

- Hydro–gas rear suspension – optional

■ Tires and Wheels

Front and Rear – Four (single) 26.5 x 25–26 ply rating, earthmover type tires on steel disc wheels

- Spare tires and wheels – optional

■ Brakes

Service – Full hydraulic, dual circuit, disc type brakes on all wheel ends

Parking/Emergency – Spring applied type, acting on front axle

■ Electrical

Two batteries provide 12 volt starting and operation

Lights

- Front lighting includes two main headlights and two parking/directional indicators.
- Side lighting includes two parking/directional indicators per side.
- Rear lighting includes two parking/directional indicators, two parking/brake lights, and two reversing lights.
- Other equipment includes hazard/warning system, cab light, instrument panel light, and signal horn.

■ Engine

Specification	CAT C6.6
Numbers of Cylinders	6
Cycle	4
Bore and Stroke: inch (mm)	4.13 x 5.00 (105 x 127)
Piston Displacement: in ³ (L)	403 (6.6)
Max. Brake Horsepower: hp (kW)	235 (175.2) @ 2,000 rpm
Peak Torque: ft lb (Nm)	727 (986) @ 1,400 rpm
Alternator: volts – amps	12 – 150
Crankcase Capacity: qt (L)	18.4 (17.4)
• Mechanically driven fan and thermostatically controlled radiator	

■ Transmission

Powershift – Three speed with high/low range for 6 forward and 6 reverse gears. Front axle disconnect for two or four wheel drive. Front axle disconnects in high range.

Carrier Speeds and Gradeability

Spicer		Ratio	Speed		Gradeability (@ stall)
Gear	mph		km/h	% Grade	
6th	Forward & Reverse 2WD/Hi	0.82	23.2	37.34	2.4
5th		2.25	9.7	15.61	10.1
4th		4.67	4.8	7.88	23.5
3rd	Forward & Reverse 4WD/Low	2.4	9.1	14.64	10.9
2nd		6.54	3.5	5.63	34.8
1st		13.6	1.7	2.74	99.5

Based on a gross vehicle weight of 88,000 lb (39,916kg).
Crane operating angle must not exceed 35° (77% grade).

Fuel Tank

One 75 gallon (283.9L) capacity tank

Hydraulic System

All functions are hydraulically powered allowing positive precise control with independent or simultaneous operation of all functions.

Main Pumps

- One two section fixed displacement gear pump for the front/rear winches and boom hoist circuits.
- One two section fixed displacement gear pump for the swing/telescope, power steering/outrigger/telescope, service brake, and oscillation circuits.
- Combined pump capacity of 138 gpm (522.4Lpm)

Hydraulic Reservoir – 153 gal (579.2L) capacity equipped with sight level gauge. Diffusers built in for deaeration.

Filtration – One 10 micron, full flow line filter in the control circuit. All oil is filtered prior to return to reservoir. Accessible for easy filter replacement.

Pump Drive

All pumps are mounted on the transmission and mechanically driven by the diesel engine.

- Front/rear winches and boom hoist pumps can be disconnected with a manual pump disconnect to aid in cold weather starting – optional.

Axle Loads

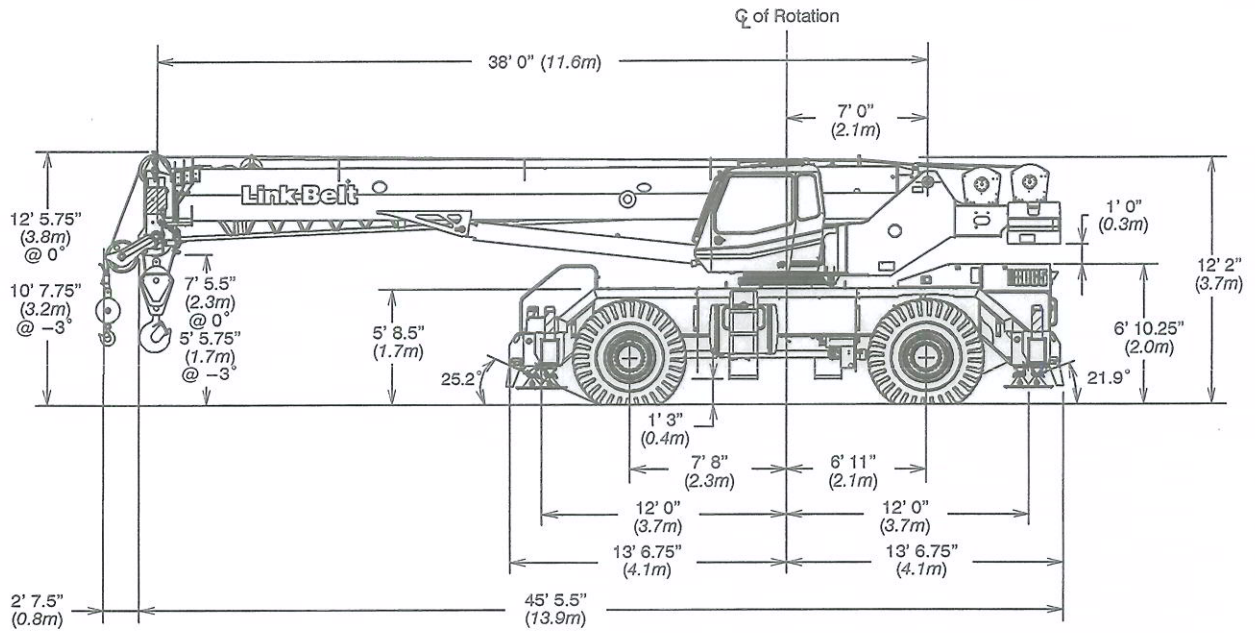
Base crane with full tank of fuel	Gross Vehicle Weight ⁽¹⁾		Upper Facing Front				Upper Facing Rear			
			Front Axles		Rear Axles		Front Axles		Rear Axles	
	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	83,952	38 080	39,888	18 093	44,064	19 987	35,690	16 189	48,262	21 891
Pintle hook, front	13	6	16	7	-4	-2	16	7	-4	-2
Pintle hook, rear	13	6	-5	-2	17	8	-5	-2	17	8
Rear steer indicator	6	3	0	0	6	3	0	0	6	3
Hydro-gas suspension	48	22	17	8	31	14	17	8	31	14
Pump disconnect	39	18	7	3	32	15	7	3	32	15
Operator in cab	250	113	134	61	116	53	103	47	147	67
Hoist drum follower – main	67	30	-28	-13	95	43	92	42	-25	-11
Auxiliary winch with 500 ft (152.4m) wire rope	538	244	-100	-45	638	289	610	277	-72	-33
Hoist drum follower – auxiliary	67	30	-17	-8	84	38	80	36	-13	-6
Substitute type “DB” rope with type “RB” rope – main winch	126	57	-44	-20	170	77	164	74	-38	-17
Substitute type “DB” rope with type “RB” rope – auxiliary winch	105	48	-19	-9	124	56	119	54	-14	-6
Substitute 500 ft (152.4m) wire rope with 600 ft (182.9m) – auxiliary	104	47	-19	-9	123	56	118	54	-14	-6
Remove 600 ft (182.9m) wire rope from rear (main) winch	-642	-291	226	103	-868	-394	-835	-377	193	88
Remove 500 ft (152.4m) wire rope from front (auxiliary) winch	-538	-244	100	45	-638	-289	-610	-277	72	33
Emergency steering	260	118	35	16	225	102	212	96	48	22
360° mechanical swing lock	140	64	52	24	88	40	81	37	59	27
Air conditioning	220	100	57	26	163	74	152	69	68	31
Floodlight to front of boom base section	7	3	13	6	-6	-3	-6	-3	13	6
Fly mounting brackets to boom base section for fly options	176	80	316	143	-140	-63	-149	-67	325	147
35 ft (10.67m) offsettable fly – stowed	1,591	722	2,504	1 136	-913	-414	-995	-451	2,586	1 173
35–58 ft (10.67–17.68m) offsettable fly – stowed	2,263	1 026	3,162	1 434	-899	-408	-1,016	-461	3,279	1 487
Auxiliary lifting sheave	110	50	297	135	-187	-85	-193	-88	303	137
60 ton (54.4mt) 4–sheave hook block at bumper	1,109	503	1,635	742	-526	-239	-583	-264	1,692	767
70 ton (63.5mt) 5–sheave hook block at bumper	1,400	635	2,064	936	-664	-301	-736	-334	2,136	969
8.5 ton (7.7mt) hook ball at bumper	360	163	531	241	-171	-78	-189	-86	549	249
60 ton (54.4mt) 4–sheave hook block at boom head	1,109	503	2,883	1 308	-1,774	-805	-1,831	-831	2,940	1 334
70 ton (63.5mt) 5–sheave hook block at boom head	1,400	635	3,640	1 651	-2,240	-1 016	-2,312	-1 049	3,712	1 684
8.5 ton (7.7mt) hook ball at boom head	360	163	936	425	-576	-261	-595	-670	955	433

Tire	Maximum Allowable Axle Load @ 25 mph (40.2km/h)
26.5 x 25 (26–PR)	51,040 lb (23 151kg)

(1) Adjust gross vehicle weight and axle loading according to component weight.

Note: All weights are ±3%.

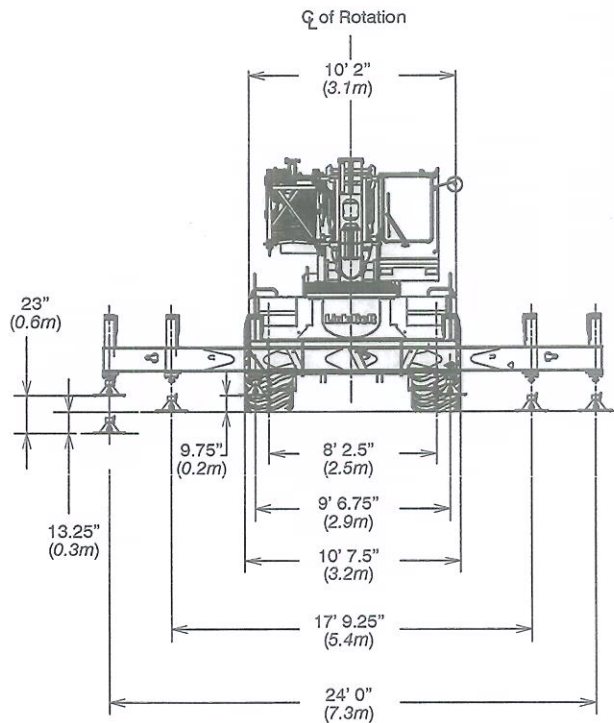
General Dimensions



Turning Radius – Front Wheel (4x2) Steering		
Wall to wall over carrier	English	Metric
	43' 2"	13.2m
Wall to wall over boom attachment	53' 4"	16.3m
Curb to curb	41' 6"	12.6m
Centerline of tire	40' 1"	12.2m

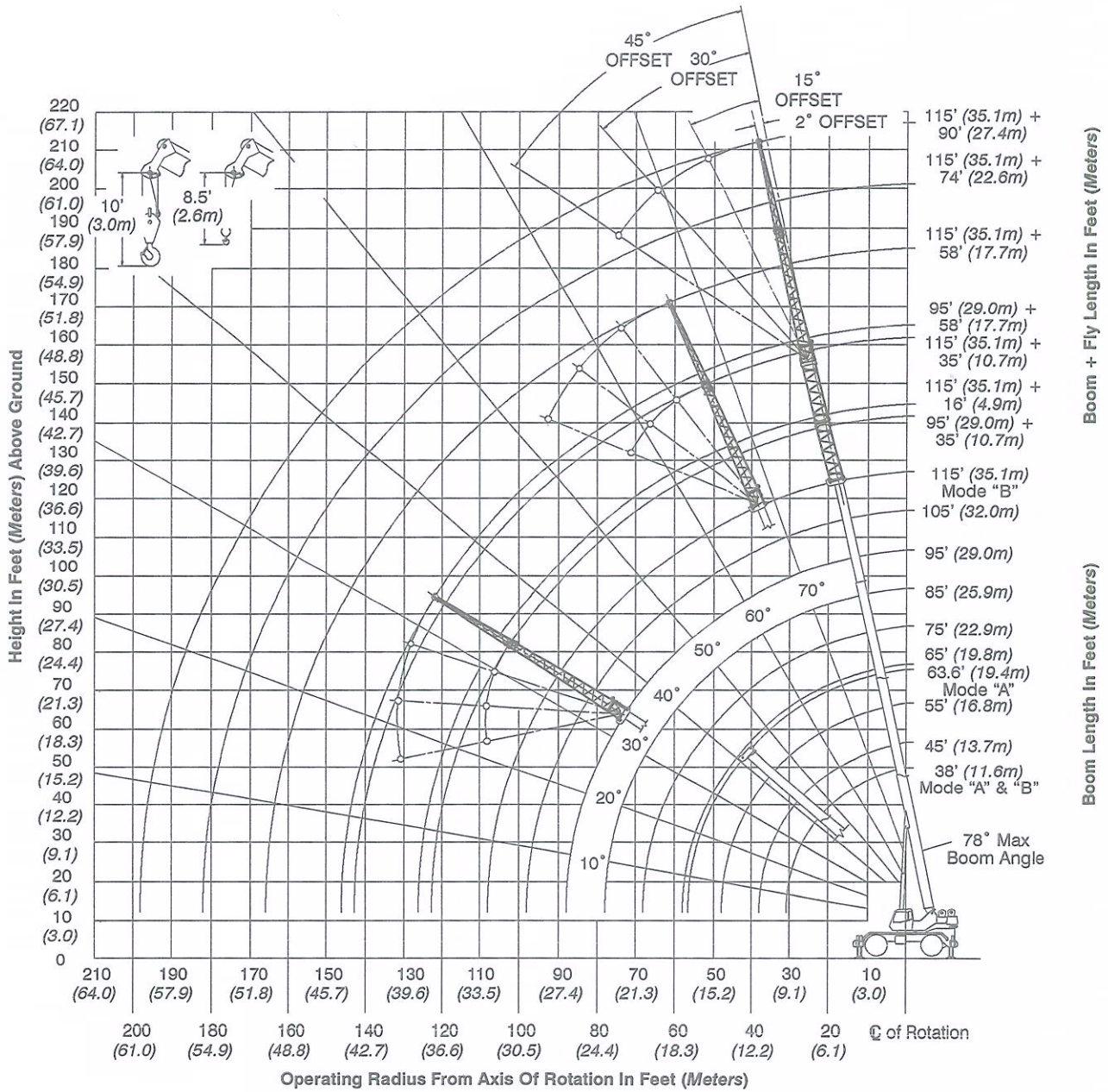
Turning Radius – All Wheel (4x4) Steering		
Wall to wall over carrier	English	Metric
	26' 6"	8.1m
Wall to wall over boom attachment	38' 1"	11.6m
Curb to curb	24' 10"	7.6m
Centerline of tire	23' 6"	7.2m

Tail Swing		
With counterweight	English	Metric
	13' 8.25"	4.2m
Without counterweight	N/A	N/A



Not To Scale

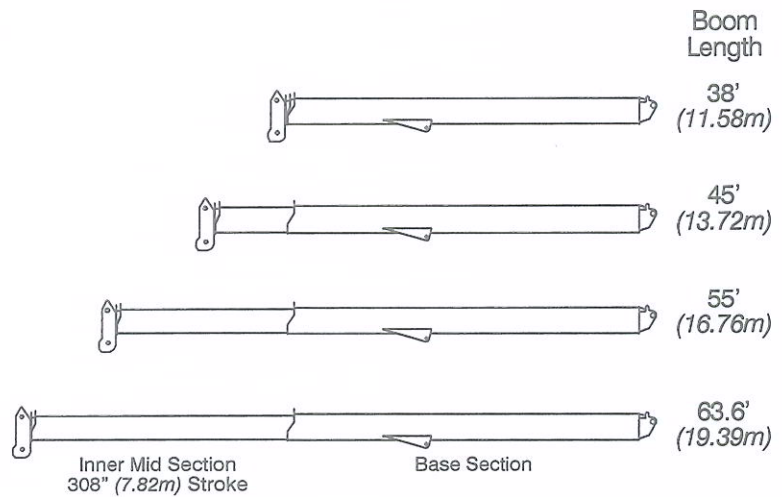
Working Range Diagram



Boom Extend Modes

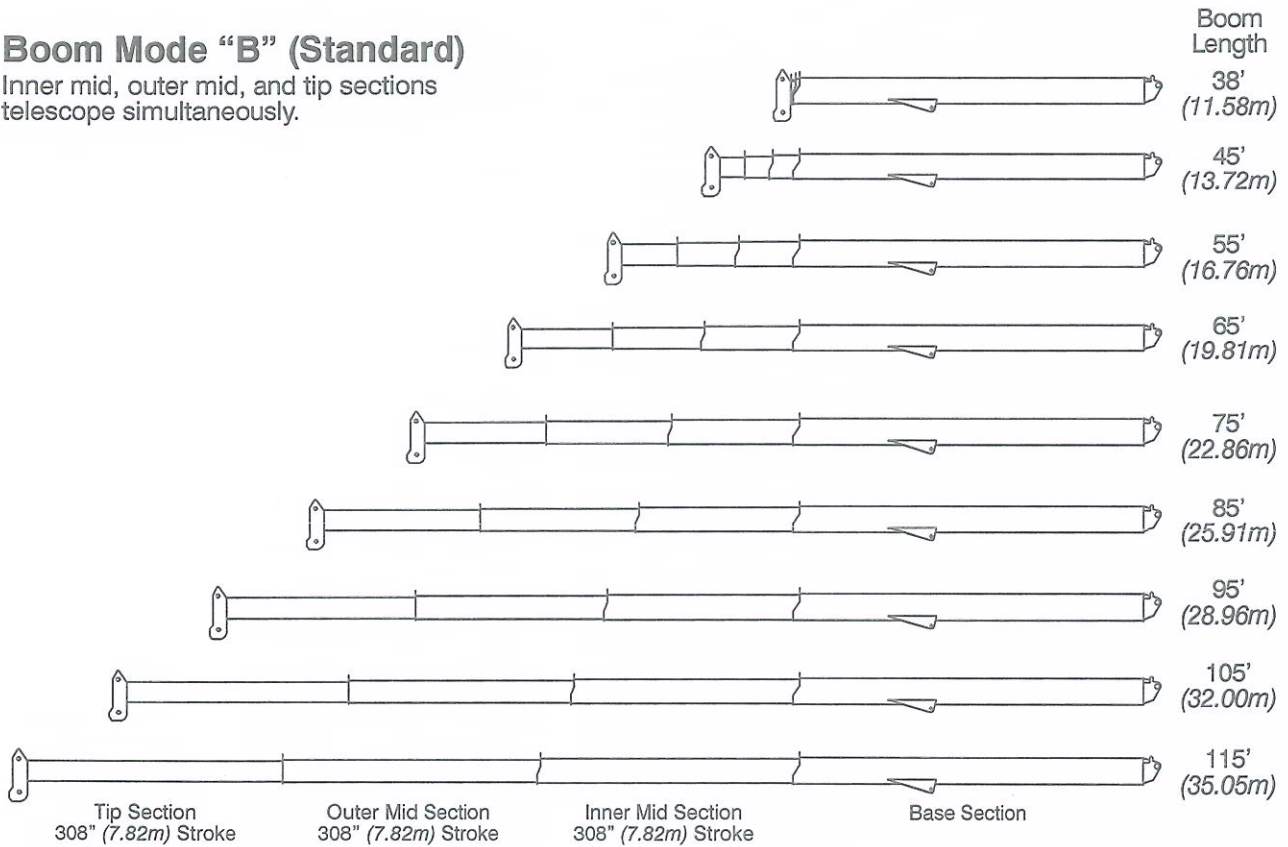
Boom Mode “A” (A-max)

Only inner mid section telescopes.



Boom Mode “B” (Standard)

Inner mid, outer mid, and tip sections telescope simultaneously.



Main Boom Lift Capacity Charts – Standard

Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)										
Radius (ft)	Boom Length (ft)									Radius (ft)
	38	45	55	63.6/65	75	85	95	105	115	
9	130,000									9
10	120,000	108,200	106,100							10
12	108,900	104,600	98,100	71,900**						12
15	91,600	91,200	86,200	71,900**	54,000					15
20	67,100	66,800	66,400	66,100**	54,000	55,900	46,400			20
25	52,000	52,600	53,000	53,000	53,700	49,900	41,800	36,200	28,100	25
30	41,800	42,500	43,000	43,400	43,600	43,800	37,800	34,200	28,100	30
35		33,300	33,900	34,200	34,400	34,600	34,000	30,700	28,100	35
40			26,400	26,700	26,900	27,100	27,200	27,300	25,700	40
45			21,200	21,600	21,800	22,000	22,100	22,100	22,200	45
50				17,700	18,000	18,100	18,200	18,300	18,300	50
55				14,800	15,000	15,100	15,200	15,300	15,400	55
60					12,700	12,800	12,900	13,000	13,000	60
65					10,800	11,000	11,100	11,200	11,200	65
70						9,400	9,500	9,600	9,700	70
75						8,100	8,200	8,300	8,300	75
80							7,100	7,100	7,200	80
85							6,100	6,200	6,200	85
90								5,300	5,400	90
95								4,600	4,600	95
100									4,000	100
105									3,400	105

** 63.6 A–max Mode

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

On Tires – Stationary – Boom Centered Over Front Between Tire Tracks (All Capacities Are Listed In Pounds)							
Radius (ft)	Boom Length (ft)						Radius (ft)
	38	45	55	65	75	85	
10	64,000						10
12	56,800	56,400					12
15	48,500	48,900	39,500				15
20	38,400	39,100	39,500	30,400			20
25	29,000	29,700	30,100	30,400	22,400		25
30	20,600	21,400	21,900	22,200	22,400	17,200	30
35		16,000	16,600	16,900	17,100	17,200	35
40			12,900	13,300	13,400	13,600	40
45			10,200	10,600	10,800	11,000	45
50				8,500	8,800	8,900	50
55				6,800	7,100	7,300	55
60					5,700	5,900	60
65					4,600	4,800	65
70						3,900	70
75						3,100	75

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

On Tires – Pick & Carry (Creep) – Boom Centered Over Front (All Capacities Are Listed In Pounds)							
Radius (ft)	Boom Length (ft)						Radius (ft)
	38	45	55	65	75	85	
10	63,000						10
12	55,200	54,900					12
15	46,300	46,700	39,500				15
20	35,700	36,100	36,600	30,400			20
25	28,300	28,800	29,300	29,600	22,400		25
30	20,600	21,400	21,900	22,200	22,400	17,200	30
35		16,000	16,600	16,900	17,100	17,200	35
40			12,900	13,300	13,400	13,600	40
45			10,200	10,600	10,800	11,000	45
50				8,500	8,800	8,900	50
55				6,800	7,100	7,300	55
60					5,700	5,900	60
65					4,600	4,800	65
70						3,900	70
75						3,100	75

On Tires – Stationary – 360° Rotation (All Capacities Are Listed In Pounds)							
Radius (ft)	Boom Length (ft)						Radius (ft)
	38	45	55	65	75	85	
10	47,700						10
12	39,000	39,500					12
15	26,800	27,400	27,800				15
20	16,200	16,800	17,300	17,600			20
25	10,500	11,100	11,700	12,000	12,200		25
30	6,800	7,500	8,100	8,400	8,600	8,800	30
35		5,000	5,600	5,900	6,200	6,300	35
40			3,800	4,100	4,400	4,600	40
45			2,400	2,800	3,000	3,200	45
50				1,700	1,900	2,100	50
55					1,100	1,200	55

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

Fly Attachment Lift Capacity Charts – Optional

Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)									
115 ft Main Boom Length 2° Fly Offset					115 ft Main Boom Length 15° Fly Offset				
Radius (ft)	Fly Length (ft)				Radius (ft)	Fly Length (ft)			
	35	58	74	90		35	58	74	90
35	13,100				35				
40	13,100				40				
45	13,100	8,800			45	11,800			
50	12,900	8,700	7,200		50	11,500			
55	12,600	8,400	7,200	5,500	55	11,200			
60	12,300	8,200	7,200	5,500	60	11,000	7,100		
65	12,000	8,000	7,000	5,400	65	10,700	6,900	5,900	
70	10,600	7,700	6,500	5,000	70	10,400	6,700	5,600	4,500
75	9,200	7,500	6,100	4,700	75	9,800	6,500	5,300	4,200
80	8,000	7,200	5,800	4,300	80	8,600	6,300	5,000	3,900
85	7,000	7,000	5,400	4,100	85	7,500	6,100	4,700	3,600
90	6,200	6,700	5,100	3,800	90	6,600	5,900	4,500	3,400
95	5,400	5,900	4,900	3,600	95	5,800	5,700	4,300	3,200
100	4,700	5,200	4,600	3,300	100	5,100	5,600	4,100	3,000
105	4,100	4,600	4,400	3,100	105	4,400	5,200	3,900	2,800
110	3,600	4,100	4,000	2,900	110	3,900	4,600	3,700	2,700
115	3,100	3,600	3,500	2,800	115	3,300	4,000	3,500	2,500
120	2,600	3,100	3,000	2,600	120	2,900	3,500	3,400	2,400
125	2,200	2,700	2,600	2,500	125	2,400	3,100	3,000	2,200
130	1,900	2,300	2,200	2,200	130	2,000	2,700	2,600	2,100
135	1,500	2,000	1,900	1,900	135	1,600	2,300	2,200	2,000
140	1,200	1,600	1,500	1,500	140	1,300	1,900	1,800	1,900
145		1,400	1,200	1,200	145		1,600	1,500	1,500
150		1,100	1,000		150		1,300	1,200	1,200
155		800			155		1,000	900	900

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Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)									
115 ft Main Boom Length 30° Fly Offset					115 ft Main Boom Length 45° Fly Offset				
Radius (ft)	Fly Length (ft)				Radius (ft)	Fly Length (ft)			
	35	58	74	90		35	58	74	90
40					40				
45					45				
50					50				
55	9,900				55				
60	9,700				60	8,900			
65	9,500				65	8,800			
70	9,400				70	8,700			
75	9,200	5,600			75	8,600			
80	9,100	5,500	4,200		80	8,600			
85	8,000	5,300	4,000	3,200	85	8,400	4,900		
90	7,000	5,200	3,800	3,000	90	7,300	4,800	3,400	
95	6,200	5,100	3,700	2,900	95	6,400	4,700	3,300	2,600
100	5,400	5,000	3,500	2,700	100	5,600	4,700	3,200	2,500
105	4,700	4,900	3,400	2,500	105	4,900	4,700	3,100	2,300
110	4,100	4,900	3,200	2,400	110	4,200	4,600	3,000	2,200
115	3,500	4,500	3,100	2,300	115	3,600	4,600	2,900	2,100
120	3,000	3,900	3,000	2,100	120		4,200	2,800	2,000
125	2,500	3,400	2,900	2,000	125		3,700	2,700	1,900
130	2,100	3,000	2,800	1,900	130		3,200	2,700	1,800
135		2,500	2,500	1,800	135		2,700	2,600	1,700
140		2,200	2,200	1,700	140		2,200	2,300	1,600
145		1,800	1,800	1,600	145			1,900	1,600
150		1,400	1,400	1,500	150			1,600	1,500
155		1,100	1,100	1,200	155				1,400
160			800	900	160				1,000

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.