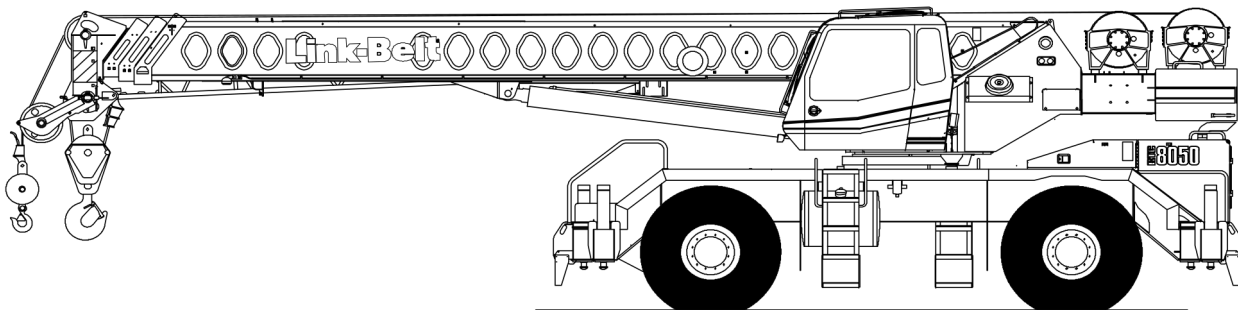


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TechnicalData

RTC 8050 **Series II** **Telescopic Boom Rough Terrain Crane** 50 ton (45.35 metric ton)



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



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RTC---8050II

Link-Belt Cranes

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1

Boom, Attachments, and Upper Structure

Boom

Design --- Four section, box type construction of high ten- sile steel consisting of one base section and three tele- scoping sections. The vertical side plates have diamond shaped steel impressions for superior strength to weight ration. 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

535 ft 6 in --- 110 ft (10.8 --- 33.5 m) four section full power boom

- S Two mode boom extension: A---max mode provides superior capacities by extending the first telescoping section to 60 ft 4 in (18.4 m). Standard mode synchronizes all the telescoping sections proportionally to 110 ft (33.5 m). Controlled from the operator's cab.
- S Mechanical boom angle indicator
- S Maximum tip height for A---max mode is 70 ft (21.3 m) and standard mode is 118 ft 5 in (36.1 m).

Boom Head

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

Boom Elevation

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

Auxiliary Lifting Sheave---Optional

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

Hook Blocks and Balls---Optional

- safety latch
- S 60 ton (54.4 mt) 4 sheave quick---reeve hook block with safety latch
- S 8.5 ton (7.7 mt) swivel and non---swivel hook balls with safety latch

Fly---Optional

to 2°, 20°, and 40°. Maximum tip height is 146 ft (44.5 m).

- S 28 ft 6 in --- 51 ft (8.7 --- 15.5 m) two piece bi---fold lattice fly, stowable, offsettable to 2°, 20°, and 40°. Maximum tip height is 168 ft (51.2 m).

Operator's Cab and Controls

Environmental Cab --- Fully enclosed, one person cab of galvaneal steel structure with acoustical insulation.

Equipped with:

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

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

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

Left and right levers include:

- S Horn button
- S Turn signal switch
- S Driving light switch
- S Transmission direction switch

Panel mounted switches for:

- S Travel park brake
- S Steer mode selector
- S 4 wheel drive
- S Transmission gear selector
- S Ether start
- S Hazard flasher

Panel mounted indicator/warning lights for:

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

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

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

- S Boom telescope
- S Swing brake
- S Engine throttle

Right Front Console --- Controls and indicators for:

- | | |
|-------------------------|--------------------------------|
| SEngineignition | SBubblelevel |
| SEnginethrottlelock | S12voltpowerconnection |
| SFunctiondisable | SAirconditioning---optional |
| SFrontwindshieldwiper | SBoomfloodlight---optional |
| andwasher | SRotatingbeacon/Strobe |
| SCabfloodlights | light---optional |
| SWarninghorn | SThirdwrapindicator---optional |
| SHeatingcontrols | |
| S Console dimmer switch | |

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

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

Rated Capacity Limiter --- Microguard 434 graphic audio---visual warning system integrated into the dash with anti---two block and function limiter. Operating data available includes:

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

J Swing

Motor/Planetary --- Bi---directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 2.5 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.

J Electrical

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

Lights

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



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Load Hoist System

Load Hoist Performance

Main (Rear) and Auxiliary (Front) Winches --- 3/4 in (19mm) Rope										
Layer	MaximumLinePull		NormalLineSpeed		HighLineSpeed		Layer		Total	
	lb	kg	ft/min	m/min	ft/min	m/min	ft	m	ft	m
1	15,390	6980.8	168	51.2	337	102.7	114	34.7	114	34.7
2	14,150	6418.3	183	55.8	366	111.6	124	37.8	238	72.5
3	13,094	5939.3	198	60.4	396	120.7	134	40.8	372	113.4
4	12,185	5527.0	212	64.6	425	129.5	144	43.9	516	157.3
5	11,394	5168.2	227	69.2	455	138.7	154	46.9	670	204.2

WireRopeApplication		Diameter		Type	Maximum Permissible Load	
		in	mm		lb	kg
Main(Rear)	Standard	3/4	19	18x19rotationresistant---rightregularlay(TypeRB)	12,920	5860.5
Winch	Optional	3/4	19	36x7rotationresistant---rightregularlay(TypeZB)	15,600	7076.2
Auxiliary(Front)	Standard	3/4	19	18x19rotationresistant---rightregularlay(TypeRB)	12,920	5860.5
Winch	Optional	3/4	19	36x7rotationresistant---rightregularlay(TypeZB)	15,600	7076.2

2M Main and Optional Auxiliary Winches

SBI---directionalgear---type(2---speed)hydraulicmotors

driven through planetary reduction unit for positive control under all load conditions.

S Grooved lagging

S Power up/down mode of operation

S Hoist drum cable follower

SDrumrotationindicator

SDrumdiameter: 16in(40.6cm)

SRoilingdrum(182.9m)

S Auxiliary: 600 ft (182.9m)

S Maximum rope storage: 834 ft (254.2m)

S Terminator style socket and wedge

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 12,500lb(5670kg) of counterweight bolted to the upper structure frame with capacities for the 12,500lb (5670kg) configuration.



4 Carrier

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General

S 10 ft 10.5 in (3.31m) wide
S 12 ft 7 in (3.83m) 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 (CALCt) 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, 19.25 x 19.25 in (48.90 x 48.90cm), steel pontoons with contact area of 307 in² (1 980.6cm²) can be stored for road travel in storage racks on the carrier.

Main Jack Reaction --- 63,500 lb (28 803kg) force and 213 psi (1 469kPa) 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 4x4

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.

S Hydro---gas rear suspension --- optional

Tires and Wheels

Front and Rear --- Four (single) 23.5 x 25---20 ply rating, earthmover type tires on steel disc wheels

S Spare tires and wheels --- optional

Brakes

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

Parking/Emergency --- Spring loaded type, acting on front axle

Electrical

Three batteries provide 12 volt operation and starting

Lights

S Front lighting includes two main headlights, and two parking/directional indicators.

S Side lighting includes two parking/directional indicators per side.

S Rear lighting includes two parking/directional indicators, two parking/brake lights, and two reversing lights.

S Other equipment includes hazard/warning system, cab light, instrument panel light, and signal horn.

Engine

Specification	Cummins 6BT5.9L
Numbers of Cylinders	6
Cycle	4
Bore and Stroke: inch (mm)	4.02x4.72 (102x120)
Piston Displacement: in ³ (L)	359 (5.9)
Max. Brake Horsepower: hp (kW)	165 (123) @ 2,500 rpm
Peak Torque: ft lb (Nm)	440 (597) @ 1,600 rpm
Alternator: volts---amps	12---130
Crankcase Capacity: qt (L)	17.2 (16.3)
S	Mechanically driven fan and thermostatically controlled radiator
S	Water/Fuel separator
S	110---volt block heater
S	Ether injection package

Transmission

Powershift --- Fully automatic transmission with eight speeds forward and four reverse. Rear axle disconnect for two or four wheel drive. Rear axle disconnects automatically in forward fifth and higher gears.

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J Carrier Speeds and Gradeability

Funk		Speed		Gradeability (@70% Convertor efficiency)	
Gear		Ratio	mph	km/h	%Grade
8th	Forward 2WD	0.74	25.9	41.7	3.2
7th		1.03	18.5	29.8	5.3
6th		1.45	13.2	21.2	8.3
5th		2.03	9.4	15.1	12.5
4th	Forward 2WD or 4WD	2.90	6.6	10.6	19.0
3rd		4.05	4.7	7.6	27.8
2nd		5.72	3.3	5.4	42.0
1st		7.99	2.4	3.9	65.6
4th	Reverse 2WD or 4WD	1.03	18.5	29.8	5.3
3rd		2.03	9.4	15.1	12.5
2nd		4.05	4.7	7.6	27.8
1st		7.99	2.4	3.8	65.6

Based on a gross vehicle weight of 80,000 lb (36 287kg).

Crane operating angle must not exceed 35° (77% grade).

J FuelTank

One 75 gallon (283.9L) capacity tank

J Hydraulic System

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

Main Pumps

S Three fixed displacement gear pumps for the main and auxiliary winches, swing, boom hoist, and telescope circuits with a manual disconnect to aid during cold weather starts.

S One gear pump for the outriggers, power steering, brakes, and telescope circuits.

S One pressure compensated piston pump is used in the control, service brake, and counterweight removal circuits.

S Combined pump capacity of 139 gpm (526.2Lpm).

Hydraulic Reservoir --- 131 gal (495.9L) 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 sump tank. Accessible for easy filter replacement.

J Pump Drive

All pumps are mechanically driven by the diesel engine. Main and auxiliary winches, swing, boom hoist, and telescope pumps are mounted to a mechanical pump disconnect on the transmission torque convertor to aid in cold weather starting.

6 Axle Loads

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Base crane with full tank of fuel	Gross Vehicle Weight (1)		Upper Facing Front				Upper Facing Rear			
			FrontAxles		RearAxles		FrontAxles		RearAxles	
	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	72,495	32883	33,996	15420	38,000	17463		14921	39,599	17962
23.5R25 tires and wheels	368	167	183	83	185	84		83	185	84
Pintle hook, front	13	6	18	8	---5	18	---	8	---	---
Pintle hook, rear	13	6	---	---	18	---	---	---	18	---
Rear steer indicator	3	1	0	0	3	0	---	0	3	1
Hydro---gassuspension	52	24	18	8	34	15	---	8	34	15
Winch roller --- rear winch	93	42	---	---	132	60	---	59	---	---
Winch roller --- front winch	93	42	---	---	112	51	---	49	---	---
2M auxiliary winch	19	9	---	---	21	10	---	10	---	---
600 ft (182.9m) of 3/4 in (19mm) wire rope on auxiliary winch	669	303	---	---	757	343	---	333	---	---
Air conditioning in operator's cab	315	143	74	34	241	109	---	105	84	38
360 ° swing lock	76	34	28	13	48	22	---	20	31	14
Emergency steer system	136	62	15	7	121	55	---	53	20	9
Fly storage brackets to boom base section for fly options	99	45	146	66	---	---	---	---	150	68
28.5 ft (8.68m) offset fly --- stowed	1,291	585	2,237	1015	---	---	---	---	2,281	1035
28.5---51ft(8.68---15.54m)offset fly --- stowed	1,861	844	3,060	1388	---	---	---	---	3,124	1417
Floodlight to boom base section	10	5	23	10	---	---	---	---	23	10
60 ton (54.4mt) hook block at front/rear bumper	1,109	503	1,530	694	---	---	---	---	1,568	711
40 ton (36.3mt) hook ball at front/rear bumper	720	327	994	451	---	---	---	---	1,108	462
8.5 ton (7.7mt) hook ball at front/rear bumper	360	163	497	225	---	---	---	---	509	231
Auxiliary lifting sheave	91	41	257	117	---	---	---	---	260	118

Maximum Load @ 25mph (40.2km/h)

38,000lb (17600kg)

Tire	
23.5x25(20---PR)	
23.5R252Star	

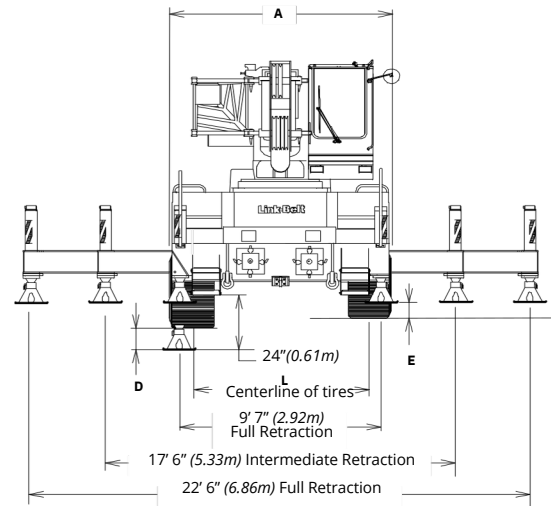
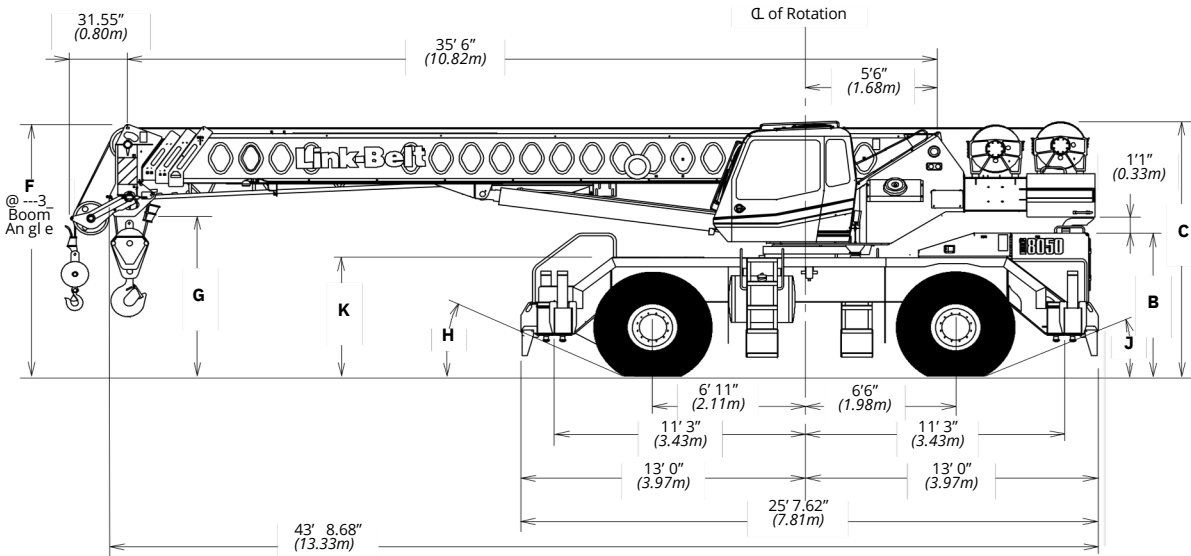
(1) Adjust gross vehicle weight and axle loading according to component weight.

Note: All weights are ±3%.

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General Dimensions



TurningRadius---FrontWheel(4x2)Steering	English	Metric
Walltowallovercarrier	39'0"	11.9m
Walltowalloverboom	47'7"	14.5m
Walltowalloverboomattachment	49'7"	15.1m
Curbtocurb	37'3"	11.4m
Centerlineoftire	36'0"	11.0m

TurningRadius---AllWheel(4x4)Steering	English	Metric
Walltowallovercarrier	23'4"	7.1m
Walltowalloverboom	34'0"	10.4m
Walltowalloverboomattachment	35'6"	10.8m
Curbtocurb	21'4"	6.5m
Centerlineoftire	20'0"	6.1m

TailSwing	English	Metric
Withcounterweight	12'8"	3.9m
Withoutcounterweight	N/A	N/A

Dimensions	Tire Size			
	23.5x25bias		23.5R25radial	
	English	Metric	English	Metric
A	10'3.5"	3.14m	10'3"	3.12m
B	6'7.75"	2.03m	6'9.5"	2.06m
C	11'11.75"	3.65m	12'1.5"	3.70m
D	7'7.5"	0.20m	7"	0.18m
E	10'	0.25m	11.75"	0.30m
F	10'0.25"	3.05m	10'2"	3.10m
G	7'6"	2.29m	7'7.75"	2.33m
H	24"	0.61m	24.8"	0.63m
I	21"	0.53m	22"	0.56m
J	6'6.75"	1.69m	6'8.5"	1.74m
K	8'3"	2.51m	8'3"	2.51m

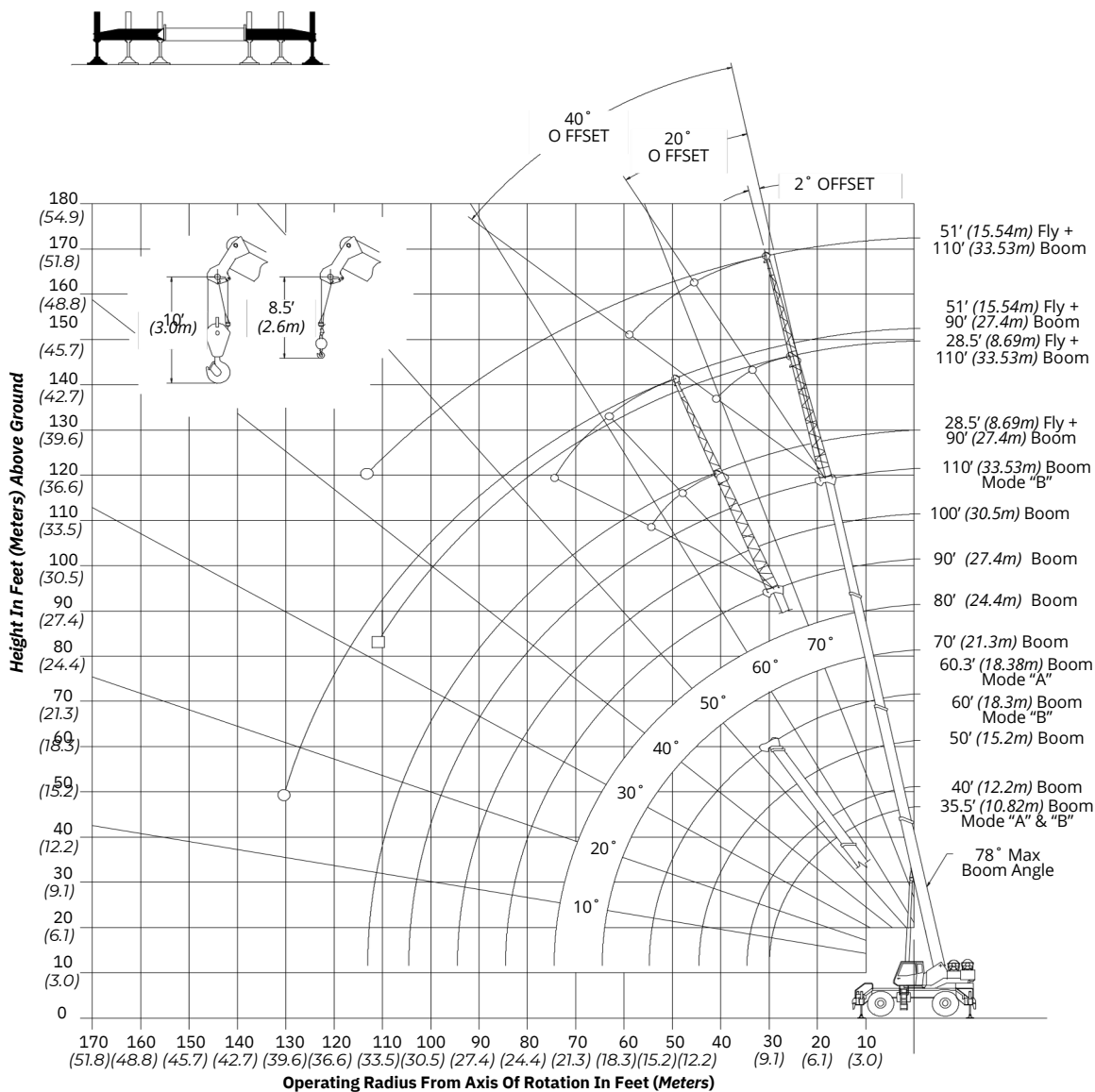
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Working Range Diagram

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**Working Range Diagram
On Fully Extended Outriggers**



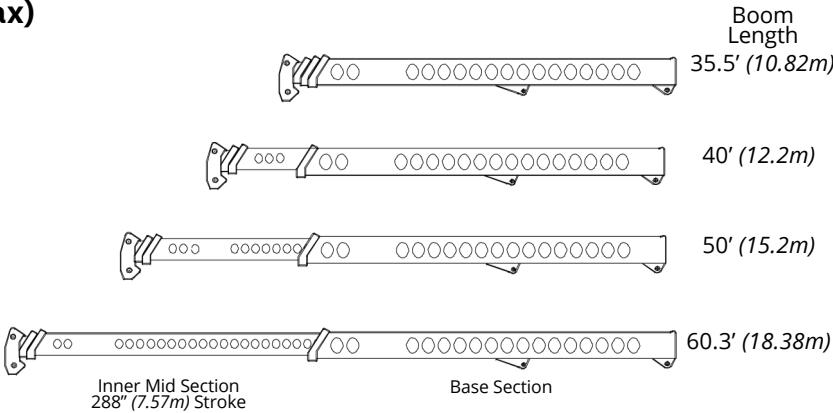
f Denotes Main Boom + 51' (15.5m) Fly---Boom Mode "B"
j Denotes Main Boom + 28.5' (8.7m) Fly---Boom Mode "B"

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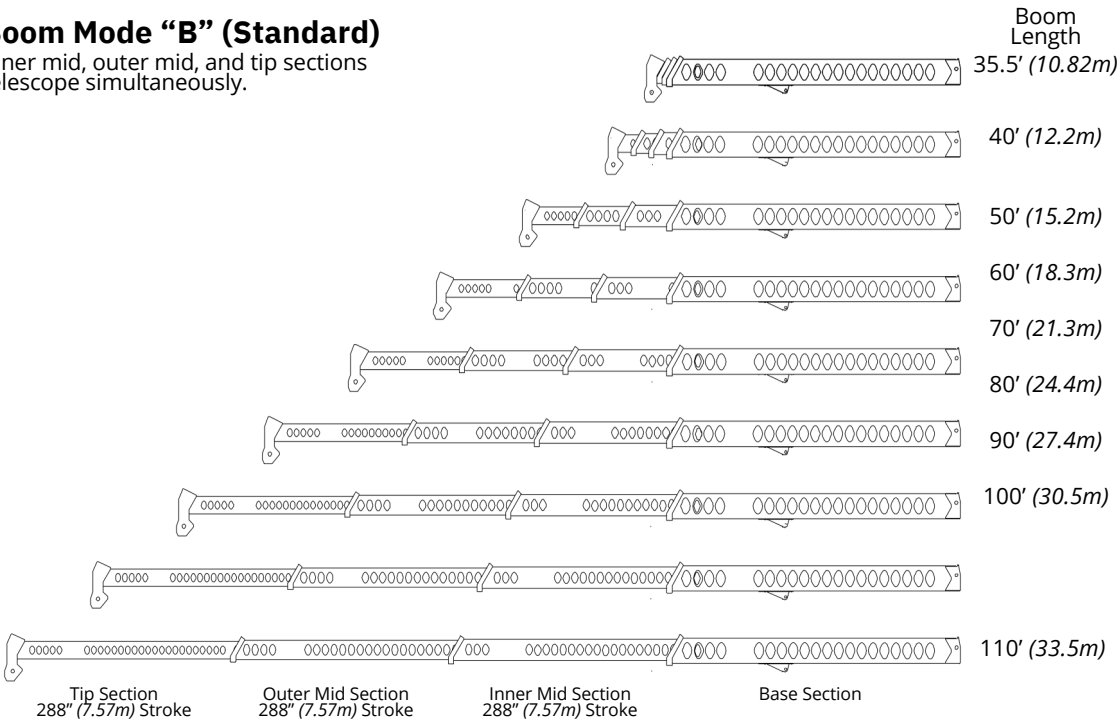
Boom Extend Modes

BoomMode“A”(A-max)



Boom Mode “B” (Standard)

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





10 Main Boom Lift Capacity Charts -- Standard

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Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)										
Radius (ft)	BoomLength(ft)									Radius (ft)
	35.5	40	50	60/60.3	70	80	90	100	110	
10	100,000	78,400	72,600							10
12	73,900	73,100	65,600	50,900**	37,900					12
15	63,200	63,000	57,500	46,900**	37,900	35,400				15
20	50,300	50,100	47,600	39,200**	37,900	34,700	28,900			20
25	39,000	38,900	38,500	37,900	37,900	34,200	28,200	24,000	19,500	25
30		31,300	31,900	32,300	32,500	30,300	24,800	22,500	19,500	30
35			26,100	26,500	26,700	26,900	22,000	19,900	18,300	35
40			20,800	21,200	21,400	21,500	19,700	17,800	16,400	40
45				17,100	17,300	17,400	17,500	15,900	14,600	45
50				13,900	14,200	14,300	14,400	14,400	13,200	50
55					11,900	12,100	12,200	12,200	12,100	55
60					10,000	10,200	10,300	10,300	10,400	60
65						8,600	8,700	8,800	8,900	65
70						7,300	7,500	7,500	7,600	70
75							6,400	6,500	6,500	75
80							5,400	5,500	5,600	80
85								4,700	4,800	85
90								4,000	4,100	90
95									3,500	95
100									2,900	100
* SpecialConditionsOrWireRopeRequired										
** 60.3 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.



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On Tires -- Stationary -- Boom Centered Over Front Between Tire Tracks (All Capacities Are Listed In Pounds)						
Radius (ft)	Boom Length (ft)					Radius (ft)
	35.5	40	50	60	70	
10	47,300	47,100				10
12	41,600	41,400				12
15	35,100	35,000	35,800			15
20	27,400	27,300	28,200	28,500		20
25	21,900	21,700	22,900	23,200	23,400	25
30		16,100	16,700	17,100	17,200	30
35			12,600	12,900	13,100	35
40			9,700	10,100	10,300	40
45				7,900	8,200	45
50				6,300	6,500	50
55					5,200	55
60					4,200	60

On Tires -- Pick & Carry (Creep) -- Boom Centered Over Front (All Capacities Are Listed In Pounds)						
Radius (ft)	Boom Length (ft)					Radius (ft)
	35.5	40	50	60	70	
10	44,100	43,900				10
12	38,400	38,200				12
15	31,800	32,000	32,400			15
20	24,000	24,300	24,700	25,000		20
25	18,600	19,000	19,500	19,800	19,900	25
30		15,100	15,600	15,900	16,100	30
35			12,600	12,900	13,100	35
40			9,700	10,100	10,300	40
45				7,900	8,200	45
50				6,300	6,500	50
55					5,200	55
60					4,200	60

On Tires -- Stationary -- 360° Rotation (All Capacities Are Listed In Pounds)						
Radius (ft)	Boom Length (ft)					Radius (ft)
	35.5	40	50	60	70	
10	37,200	37,400	37,700			10
12	31,100	31,400	31,800			12
15	24,000	24,400	24,900			15
20	14,500	14,800	15,400	15,700		20
25	9,400	9,800	10,300	10,700	10,900	25
30		6,600	7,100	7,500	7,700	30
35			5,000	5,300	5,500	35
40			3,400	3,700	3,900	40
45				2,500	2,700	45

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.



12 Fly Attachment Lift Capacity Charts -- Optional

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Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)								
110 ft Main Boom Length 2° Fly Offset			110 ft Main Boom Length 20° Fly Offset			110 ft Main Boom Length 40° Fly Offset		
Radius (ft)	FlyLength(ft)		Radius (ft)	FlyLength(ft)		Radius (ft)	FlyLength(ft)	
	28.5	51		28.5	51		28.5	51
35	9,400		45	9,500		50	7,500	
40	9,400		50	9,100		55	7,300	
45	9,400	6,200	55	8,400		60	7,100	
50	9,400	6,200	60	7,800	4,800	65	6,900	
55	9,200	6,200	65	7,300	4,600	70	6,500	
60	8,500	6,200	70	6,800	4,400	75	6,100	3,400
65	7,900	6,000	75	6,400	4,300	80	5,800	3,400
70	7,300	5,700	80	6,000	4,100	85	5,500	3,300
75	6,800	5,300	85	5,700	4,000	90	5,200	3,200
80	6,200	4,900	90	5,000	3,800	95	4,600	3,200
85	5,300	4,600	95	4,300	3,700	100	3,900	3,100
90	4,600	4,300	100	3,700	3,500	105	3,300	3,100
95	4,000	4,000	105	3,200	3,300	110	2,800	3,000
100	3,500	3,800	110	2,700	3,200	115		2,900
105	3,000	3,500	115	2,300	3,000	120		2,800
110	2,500	3,000	120		2,600	125		2,400
115	2,100	2,600	125		2,200	130		2,000
120		2,200	130		1,900			

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.



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Main Boom Lift Capacity Charts -- Optional (Metric)

Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Kilograms)										
Radius (m)	BoomLength(m)									Radius (m)
	10.82	12.2	15.2	18.3/18.38	21.3	24.4	27.4	30.5	33.53	
3.0	45350	35550	33250							3.0
3.5	34550	34050	30550							3.5
4.0	31550	31350	28350	23050**	17150					4.0
4.5	29000	28900	26350	21450**	17150					4.5
5.0	26750	26700	24650	20200**	17150	16050				5.0
6.0	23100	23050	21850	17950**	17150	15700	13100			6.0
7.0	19650	19600	19450	17150	17150	15700	13100	10 850		7.0
8.0	16650	16850	17100	17150	16600	15050	12400	10 850	8800	8.0
9.0	13000	14400	14700	14800	14900	13850	11400	10 300	8800	9.0
10.0		11700	12050	12150	12200	12250	10500	9500	8750	10.0
12.0			8550	8700	8800	8850	8900	8200	7550	12.0
14.0				6550	6650	6700	6750	6750	6500	14.0
16.0				5050	5200	5250	5300	5350	5350	16.0
18.0					4100	4200	4250	4250	4300	18.0
20.0						3350	3400	3450	3450	20.0
22.0						2700	2750	2800	2850	22.0
24.0							2250	2300	2350	24.0
26.0								1850	1900	26.0
28.0								1500	1550	28.0
30.0									1250	30.0
* SpecialConditionsOrWireRopeRequired										
** 18.38 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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



On Tires -- Stationary -- Boom Centered Over Front Between Tire Tracks						
(All Capacities Are Listed In Kilograms)						
Radius (m)	Boom Length (m)					Radius (m)
	10.82	12.2	15.2	18.3	21.3	
3	21 700					3
3.5	19 500	19 400				3.5
4	17 650	17 600				4
4.5	16 150	16250	16450			4.5
5	14 800	14950	15150			5
6	12 650	12750	12950	13100		6
7	10 150	10300	10550	10650	9900	7
8	7900	8100	8350	8450	8500	8
9	6300	6500	6750	6900	6950	9
10		5350	5600	5750	5800	10
12			3950	4100	4200	12
14				3000	3050	14
16				2200	2300	16
18					1700	18

On Tires -- Pick & Carry (Creep) -- Boom Centered Over Front						
(All Capacities Are Listed In Kilograms)						
Radius (m)	Boom Length (m)					Radius (m)
	10.82	12.2	15.2	18.3	21.3	
3	20 250					3
3.5	18 000	17 950				3.5
4	16 200	16 300				4
4.5	14 600	14750	14900			4.5
5	13 250	13400	13550			5
6	11 050	11200	11400	11500		6
7	9350	9500	9700	9850	9900	7
8	7900	8100	8350	8450	8500	8
9	6300	6500	6750	6900	6950	9
10		5350	5600	5750	5800	10
12			3950	4100	4200	12
14				3000	3050	14
16				2200	2300	16
18					1700	18

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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

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On Tires -- Stationary -- 360° Rotation (All Capacities Are Listed In Kilograms)						
Radius (m)	Boom Length (m)					Radius (m)
	10.82	12.2	15.2	18.3	21.3	
3	17 100					3
3.5	14 750	14 900				3.5
4	11 850	12 000				4
4.5	9700	9850	10050			4.5
5	8100	8250	8450			5
6	5850	6000	6200	6350		6
7	4400	4550	4750	4900	4950	7
8	3300	3450	3700	3800	3900	8
9	2500	2650	2900	3050	3100	9
10		2050	2300	2400	2500	10
12			1400	1500	1600	12
14					1000	14

Fly Attachment Lift Capacity Charts -- Optional (Metric)

Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Kilograms)								
33.53m Main Boom Length 2° Fly Offset			33.53m Main Boom Length 20° Fly Offset			33.53m Main Boom Length 40° Fly Offset		
Radius (m)	FlyLength(m)		Radius (m)	FlyLength(m)		Radius (m)	FlyLength(m)	
	8.69	15.54		8.69	15.54		8.69	15.54
12	4250		14	4250		16	3350	
14	4250	2800	16	4000		18	3250	
16	4250	2800	18	3600	2200	20	3100	
18	3900	2800	20	3300	2100	22	2850	1600
20	3550	2700	22	3000	1950	24	2650	1550
22	3050	2500	24	2750	1850	26	2400	1500
24	2550	2250	26	2300	1800	28	2000	1450
26	2100	2050	28	1900	1700	30	1650	1400
28	1750	1900	30	1550	1650	32	1350	1400
30	1450	1650	32	1250	1500	34	1050	1350
32	1150	1350	34	1000	1300	36		1200
34	950	1150	36	800	1100	38		950
36		950	38		900	40		750

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Link--BeltConstructionEquipmentCompany

Lexington, Kentucky

www.linkbelt.com

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Bigge Crane and Rigging Co.

10700 Bigge Avenue

San Leandro, CA 94577

Phone: (888) 337-BIGGE or (510) 638-8100

Fax: (510) 639-4053

Email: info@bigge.com

Web site: www.bigge.com

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