



RTC 8075

Rough Terrain Crane 75-ton (68.00mt)

- 75-ton at 8 ft (2.44 m) radius
- 202 ft (61.57 m) maximum tip height
- 94,199 lbs (42728 kg) gross vehicle weight (fully loaded)
- 41 ft to 127 ft (12.50m to 38.71 m) full power, four-section boom with quick reeve boom head
- Optional 67 ft (20.42 m) two-piece (bi-fold) lattice fly, stowable, offsettable to 2°, 20° and 40°
- Microguard rated capacity limiter
- Off-highway 225 hp (168 kW) Caterpillar engine
- Spicer 6 speed power shift transmission
- Pilot-operated hydraulic controls
- 19.5 mph (31.4 km/hr) travel speed
- 12 ft 7 in (3.84 m) wheel base



Link-Belt
CRANES

www.linkbelt.com



RTC 8075

**Rough Terrain Crane
75-ton (68.00 mt)**

The RTC-8075 is jam-packed with power, control & reliability!

- Caterpillar 3126B electronic engine with 225 hp (163kW) provides 646 lb-ft (876 Nm) of torque
- Remote-mounted, thermostatically controlled oil cooler provides maximum transmission cooling under the most extreme job site conditions
- Electronic throttle for improved throttle response
- Three automotive-style batteries linked in parallel and provide 700 cold cranking amps for cold weather starting
- Rugged, lightweight steel pontoons
- Hydraulic disc brakes for both service brakes and parking brake
- Metri-Pak wire harnesses have sealed relays and connectors throughout for outstanding long-term reliability. All wires have flame retardant polyethylene insulation, resulting in a higher heat resistant wiring system.

4-section full power boom with attachment flexibility

- Full power 41 ft to 127 ft (12.50 m to 38.71 m) four-section boom with two extend modes: A-max and fully synchronized
- Features the "Boss," Link-Belt's patented boom design of high strength angle cords and high formability sidewall embossments.



- Maximum tip height 202 ft (61.57 m) with the attachment and main boom used in combination
- Optional 39 ft 6 in (12.04 m) one-piece lattice fly and optional 39 ft 6 in to 67 ft (12.04 m to 20.42 m) two-piece bi-fold lattice fly are offsettable to 2°, 20° and 40°.



A-max extends only the inner-mid section of the boom for substantially increased capacities for in-close, maximum capacity lifts.



Operator cab features

- Large front window for excellent visibility
- Tinted glass
- Sliding right side and rear windows and swing-up top window provide excellent ventilation
- Integral rated capacity limiter aids the operator in safe and efficient operation by continuously monitoring boom length, boom angle, head height, radius of load, machine configuration, allowed load and percent of allowed load.

Powerful hydraulics

- For greater productivity and control, the six-pump hydraulic circuit allows simultaneous function of boom hoist, winch and swing.
- Piston motor hydraulic hoist system delivers superior hoisting. Matched sizes of main and auxiliary winches provide equal maximum available line pulls of 16,506 lbs (7 487 kg) and maximum line speeds of 454 fpm (138 m/min) on 16" (41 m) root diameter drums.

Job site maneuverability

- Steering modes are chosen and performed with the steering wheel and include independent front steer, four wheel steer, and "crab" steering.
- CALC—Outrigger beams have three lifting stages (retracted, intermediate and fully extended) providing lifting capacities in confined areas.



Invest in a legacy of outstanding customer support

- Distributor support personnel - Factory-trained technicians are specifically tested to establish proficiency in all aspects of crane diagnostics and repair.
- Factory product support team - Supporting your trained distributor personnel are experienced factory advisors with comprehensive records and technical libraries that stand ready to resolve any crane service issue.
- Parts Distribution Center - 72,000 sq. ft. Parts Distribution Center averages an over-90% parts availability rate.

- eParts - Link-Belt's online computer system links our distributors worldwide so customers can order genuine Link-Belt parts 24 hours a day, 7 days a week.
- Link-Belt Preferred - Link-Belt's customer web site provides instant access to a comprehensive library of all parts, service and operator manuals plus other technical and sales information.

Link-Belt Preferred

*Link-Belt is a registered trademark. Copyright 2004. All rights reserved. We are constantly improving our products and therefore reserve the right to change designs and specifications.
Litho in U.S.A. 6/06 #4323 (supersedes #4297)



Engine hood design provides easy access for maintenance.



Fast & efficient hydraulic counterweight removal enhances roadability



Transmission oil is cooled by a thermostatically-controlled oil cooler to provide maximum cooling under the most extreme job conditions.

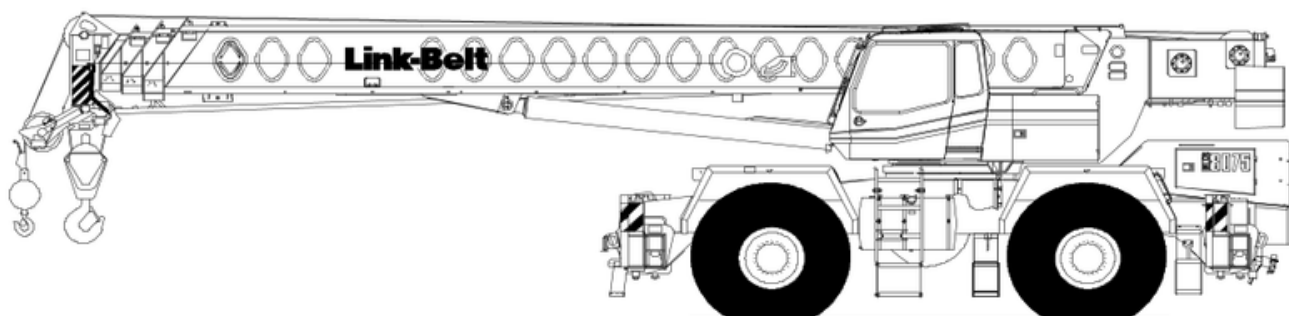




TechnicalData

RTC8075

TelescopicBoomRoughTerrainCrane



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.

5486 (supersedes 5473)---0706---D7

RTC---8075

Link-Belt Cranes



Table Of Contents

	Boom,Attachments,andUpperStructure.....	1
	Boom.....	1
	BoomHead.....	1
	BoomElevation.....	1
	AuxiliaryLiftingSheave---Optional.....	1
	HookBlocksandBalls---Optional.....	1
	Fly---Optional.....	1
	Operator'sCabandControls.....	1
	Swing.....	2
	Electrical	2
	LoadHoistSystem.....	3
	LoadHoistPerformance.....	3
	2MMainandOptionalAuxiliaryWinches.....	3
	HydraulicSystem.....	3
Counterweight		3
Carrier		4
	General.....	4
	Outriggers.....	4
	SteeringandAxles.....	4
	Suspension.....	4
	TiresandWheels.....	4
Brakes		4
Electrical		4
Engine		4
	Transmission.....	5
	CarrierSpeedsandGradeability.....	5
	FuelTank.....	5
	HydraulicSystem.....	5
	PumpDrive.....	5
AxleLoads.....		6
GeneralDimensions.....		7
WorkingRangeDiagram.....		8
BoomExtendModes.....	MainBoomLiftCapacityCharts--	9
Standard.....		10
15,000 lb Counterweight --- Fully Extended Outriggers --- 360 ° Rotation		10
15,000 lb Counterweight --- On Tires --- Stationary --- Boom Centered Over Front Between Tire Tracks		11
15,000 lb Counterweight --- On Tires --- Pick & Carry (1 mph) --- Boom Centered Over Front		11
15,000 lb Counterweight --- On Tires --- Stationary --- 360 ° Rotation		11
FlyAttachmentLiftCapacityCharts---Optional.....		12
15,000 lb Counterweight --- Fully Extended Outriggers --- 360 °		12
	Rotation	12
	127ftMainBoomLength---2° FlyOffset.....	12
	127 ft Main Boom Length --- 20° Fly Offset	
	127 ft Main Boom Length --- 40° Fly Offset	

5486 (supersedes 5473)---0706---D7

MainBoomLiftCapacityCharts--Optional(Metric).....	13
6 804kg Counterweight --- Fully Extended Outriggers --- 360 ° Rotation	13
6 804kg Counterweight --- On Tires --- Stationary --- Boom Centered Over Front Between Tire Tracks .	14
6 804kg Counterweight --- On Tires --- Pick & Carry (1.6km/h) --- Boom Centered Over Front	14
6 804kg Counterweight --- On Tires --- Stationary --- 360 ° Rotation	15
FlyAttachmentLiftCapacityCharts--Optional(Metric).....	15
6 804kg Counterweight --- Fully Extended Outriggers --- 360 °	15
Rotation	15
38.71mMainBoomLength---2 ° FlyOffset.....	15
38.71mMainBoomLength---20 ° FlyOffset.....	15
38.71mMainBoomLength---40 ° FlyOffset.....	15

RTC---8075

Link-Belt Cranes

5486 (supersedes 5473)---0706---D7

1

Boom, Attachments, and Upper Structure

J Boom

Design --- Four section, box type construction of high tensile steel consisting of one base section and three telescoping sections. The vertical side plates have diamond shaped steel impressions for superior strength to weight ratio. 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

S41---127ft(12.5---38.7m)foursectionfullpowerboom

S Two mode boom extension: A---max mode provides superior capacities by extending the first telescoping section to 69.6 ft (21.2m). Standard mode synchronizes all the telescoping sections proportionally to 127 ft (38.7m).

S Controlled from the operator's cab.

S Mechanical boom angle indicator

S Maximum tip height for A---max mode is 80 ft (24.3m) and standard mode is 136 ft (41.4m).

Boom Head

divides up to ten 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

lifting valve

S Boom elevation: ---3° to 78°

Auxiliary Lifting Sheave---Optional

SSingle16.5in(41.9m)rootdiameternylon 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 (54.4mt) 4 sheave quick-reeve hook block with safety latch

S 75 ton (68.0mt) 5 sheave quick-reeve hook block with safety latch

S 8.5 ton (7.7mt) swivel and non-swivel hook balls with safety latch

Fly---Optional

table to 2°, 20°, and 40°. Maximum tip height is 174 ft (53.0m).

S 39 ft 6 in---67 ft (12.0---20.4m) two piece bi-fold lattice fly, stowable, offsettable to 2°, 20°, and 40°. Maximum tip height is 202 ft (61.6m).

Operator's Cab and Controls

galvanneal 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 2/4 wheel drive/range selector

S Transmission gear selector

S Hazard flasher

Panel mounted indicator/warning lights for:

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

2

5486 (supersedes 5473)---0706---D7

Armrest Controls --- Two dual axis hydraulic joystick con- trollers 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
- S** Service brake

Right Front Console --- Controls and indicators for:

- S** Engineignition
- S** Engine throttlelock
- S** Functiondisable
- S** Front windshieldwiper

- S** Console dimmerswitch
- S** Bubblelevel
- S** 12voltagepowerconnection
- S** Airconditioning---optional
- S** Boomfloodlight---optional
- S** Rotatingbeacon/Strobe

- andwasher
- S** Cabfloodlights
- S** Warninghorn
- S** Heatingcontrols

- light---optional
- S** Thirdwrapindicator---optional

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
- S** Transmission temperature with warning indicator
- S** 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:

- 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---directionalhydraulicswingmotor mounted to a planetary reducer for 360° continuous smooth swing at 2.1 rpm.

Swing Park Brake --- 360°, electric over hydraulic, (spring applied/hydraulic released) multi---disc brake mounted on the speed reducer. Operated by a toggle 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

SwingAlarm---Audiowarningdevicesignalswhenthe 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

5486 (supersedes 5473)---0706---D7

3

J Load Hoist System

Load Hoist Performance

Main(Rear)andAuxiliary(Front)Winches---3/4in(19mm) Rope										
	MaximumLinePull		NormalLinespeed		HighLineSpeed		Layer		Total	
Layer	lb	kg	ft/min	m/min	ft/min	m/min	ft	m	ft	m
1	16,506	7 487.0	176	53.6	352	107.3	114	34.7	114	34.7
2	15,175	6 883.4	192	58.5	383	116.7	124	37.8	238	72.5
3	14,043	6 369.9	207	63.1	414	126.2	134	40.8	372	113.4
4	13,068	5 927.6	223	68.0	445	135.6	144	43.9	516	157.3
5	12,220	5 543.0	238	72.5	476	145.1	154	46.9	670	204.2

Wire Rope Application		Diameter		Type	Maximum Permissible Load	
		in	mm		lb	kg
Main (Rear) Winch	Standard	3/4	19	36x7 rotation resistant --- right regular lay (Type ZB)	12,920	5 860.5
	Optional	3/4	19	18x19 rotation resistant --- right regular lay (Type RB)	15,600	7 076.2
Auxiliary (Front) Winch	Standard	3/4	19	36x7 rotation resistant --- right regular lay (Type ZB)	12,920	5 860.5
	Optional	3/4	19		15,600	7 076.2

2MMainandOptionalAuxiliaryWinches

- S** Axial piston, full and half displacement (2---speed) motors driven through planetary reduction unit for positive control under all load conditions.
- S** Combined winch mode merges the hydraulic flow of two pumps for high---speed operation for either the main or auxiliary winch.
- S** Grooved lagging
- S** Power up/down mode of operation
- S** Hoist drum cable follower
- S** Drum rotation indicator
- S** Drum diameter: 16 in (40.6cm)
- S** Rope length:
 - S** Main: 670 ft (204.2m)
 - S** Auxiliary: 670 ft (204.2m)
- S** Maximum rope storage: 834 ft (254.2m)
- S** Terminator style socket and wedge

J Counterweight Hydraulic System

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.

JCounterweight

Standard---Totalof15,000lb(6803.9kg)oftotalcounterweight consisting of one, removable 15,000 lb (6 803.9kg) counterweight with capacities for 0 lb (0kg) and 15,000 lb (6 803.9kg) counterweight configurations.

Optional --- Hydraulic counterweight removal controlled from the left side of the upper structure.

Carrier

J 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.

J 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, 23.50 x 27.25 in (59.69 x 69.22cm), hexagonal steel pontoons with contact area of 485 in² (3 129cm²) can be stored for road travel in storage racks on the carrier.

Main Jack Reaction --- 94,800 lb (43 000.6kg) force and 196 psi (1 351.4kPa) ground bearing pressure.

J Steering and Axles

Steering---Three independent modes consisting of two

wheel front, 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

J Suspension

Front---Rigid mount to the carrier frame

Rear --- Center pin mount that pivots within bronze bushings. Two hydraulic oscillation cylinders lockout when the upper structure rotates 2.5° past centerline.

J Tires and Wheels

Front and Rear --- earthmover type tires on steel disc wheels

S Spare tires and wheels --- optional

J Brakes

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

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

J 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.

J Engine

Specification	CAT 3126B
Numbers of Cylinders	6
Cycle	4
Bore and Stroke: inch (mm)	4.33x5.00 (110x127)
Piston Displacement: in ³ (L)	442 (7.2)
Max. Brake Horsepower: hp (kW)	225 (167.8) @ 2,200 rpm
Peak Torque: ftlb (J)	646 (876) @ 1,500 rpm
Alternator: volts --- amps	12 --- 130
Crankcase Capacity: qt (L)	30 (28.4)
S	Mechanically driven fan and thermostatically controlled radiator

J Transmission

ward and 6 reverse gears. Transmission oil cooler is equipped with a thermostatically controlled electric fan.



Hydraulic System

precise, control with independent or simultaneous operation of all functions.

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

Hydraulic Reservoir --- 160 gal (605.7L) 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.

359.6L) capacity tank

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.

Axle Loads

Base crane with full tank of fuel and 15,000 lb (6 803.9kg) counterweight	Gross Vehicle Weight (')		Upper Facing Front				Upper Facing Rear			
			FrontAxles		RearAxles		FrontAxles		RearAxles	
	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	94,449	42 841	44,068	19989	50,381	22 852	40,232	18249	54,217	24 592
Wheels										
29.5R25 XHA tires	---6,732	--- 3 054	---3,366	--- 1 527	---3,366	--- 1 527	---3,366	--- 1 527	---3,366	--- 1 527
Remove outrigger beams	964	438	482	219	482	219	482	219	482	219
Jack cylinder beam covers	---5,235	--- 2 374	---2,461	--- 1 116	---2,774	--- 1 258	---2,461	--- 1 116	---2,774	--- 1 258
Towwinch	154	70	72	33	82	27	72	33	82	37
Remove 100 gal (378.5L) fuel	686	311	1,002	454	---316	---143	1,002	454	---316	---143
2M auxiliary winch with 670 ft (204m) of 3/4 in (19mm) wire rope	---685	---310	---364	---165	---321	---145	---364	---165	---321	---145
Remove front carrier counterweights	823	373	---219	--- 9 9	1,043	473	977	443	---154	--- 7 0
Hydraulic counterweight removal	---1,000	---454	---1,306	---592	306	139	---1,306	---592	306	139
Remove counterweight	353	160	163	74	190	86	518	235	---165	--- 7 5
Air conditioning	---15,000	--- 6 804	8,223	3734	---23,233	--- 10 538	---22,041	--- 9 998	7,041	3194
39.5 ft (12.04m) offsettable lattice fly --- stowed	287	130	55	25	232	105	209	95	78	35
39.5---67ft(12.04---20.42m) offsettable lattice fly --- stowed	1,602	727	2,780	1261	---1,178	---534	---1,305	---592	2,907	1319
Fly storage brackets with all fly options	2,380	1080	3,649	1655	---1,269	---576	---1,458	---661	3,838	1741
Auxiliary lifting sheave assembly	160	73	268	122	---108	--- 4 9	---120	--- 5 4	280	127
8.5 ton (7.7mt) hook ball at front bumper	110	50	361	164	---251	---114	---260	---118	370	168
70 ton (63.5mt) 5---sheave hook block at front bumper	360	163	566	256	---206	--- 9 3	---	---	---	---
60 ton (54.4mt) 4---sheave hook block at front bumper	1,390	631	2,186	992	---796	---361	---	---	---	---
	1,150	522	1,809	821	---659	---299	---	---	---	---

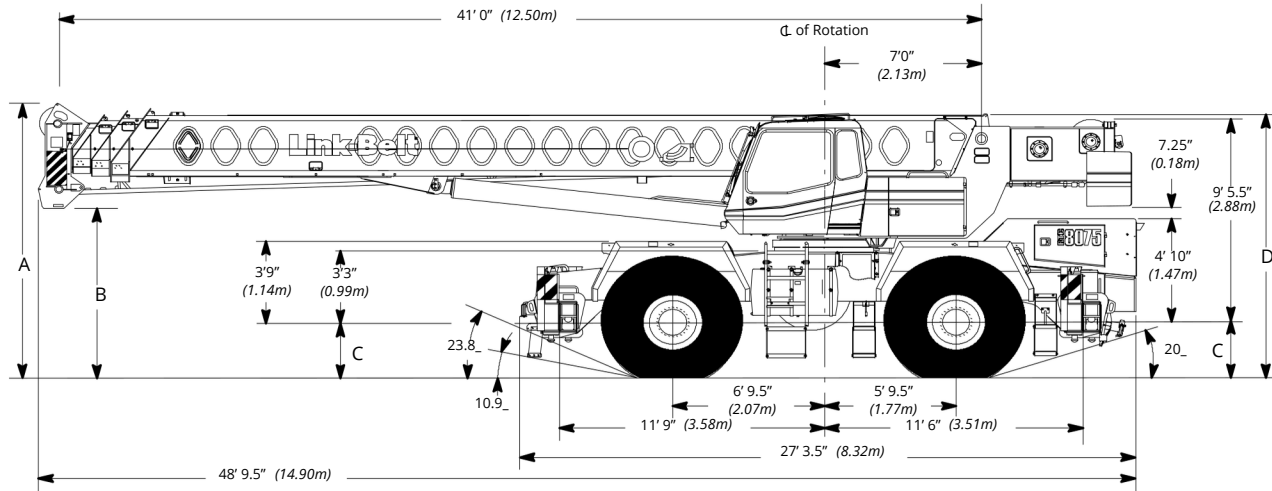
Tire	Maximum Load @ 20 mph (32.2km/h)
29.5x25(28---PR)	53,000lb(24 041kg)
29.5R25XHA1Star	53,000lb(24 041kg)

(1) Adjust gross vehicle weight and axle loading according to component weight.
Note: All weights are $\pm 3\%$.

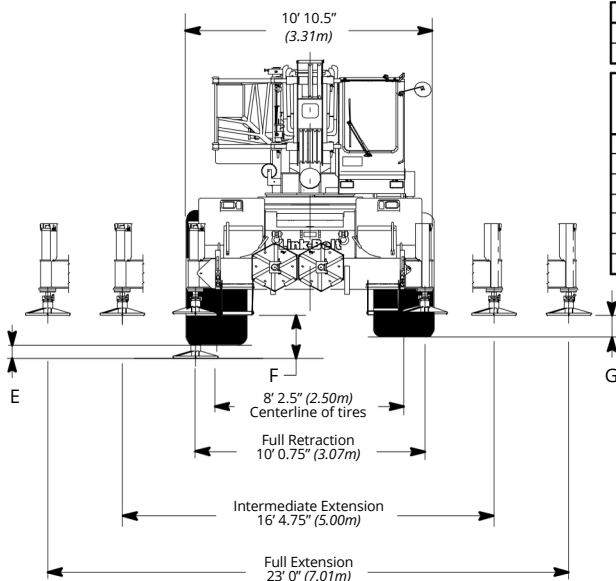
5486 (supersedes 5473)---0706---D7

7

General Dimensions



Turning Radius --- Front Wheel (4x2) Steering		English	Me tri c
Wall to wall over carrier		49' 10"	15.2m
Wall to wall over boom		58' 3"	17.7m
Wall to wall over boom attachment		60' 2"	18.3m
Curb to curb		48' 3"	14.7m
Centerline of tire		46' 10"	14.3m
Turning Radius --- All Wheel (4x4) Steering		English	Me tri c
			8.4m
			12.1m
			12.5m
			7.7m
			7.3m
Wall to wall over carrier		27' 5"	Me tri c
Wall to wall over boom		39' 6"	4.2m
Wall to wall over boom attachment		41' 0"	4.0m
Curb to curb		25' 4"	
Centerline of tire		23' 10"	
Tire Size		English	
Tire Size		English	
29.5 x 25		29.5R25	
English	Me tri c	English	Me tri c
Without counterweight	10' 7.5"	12' 11.75"	3.97m
B	7' 11.5"	8' 0.5"	2.44m
C	2' 8"	2' 9"	0.84m
D	12' 5"	12' 6"	3.81m
E	8.25"	7' 0"	0.18m
F	25.25"	25.25"	0.64m
G	11.25"	12.25"	0.31m



Not To Scale

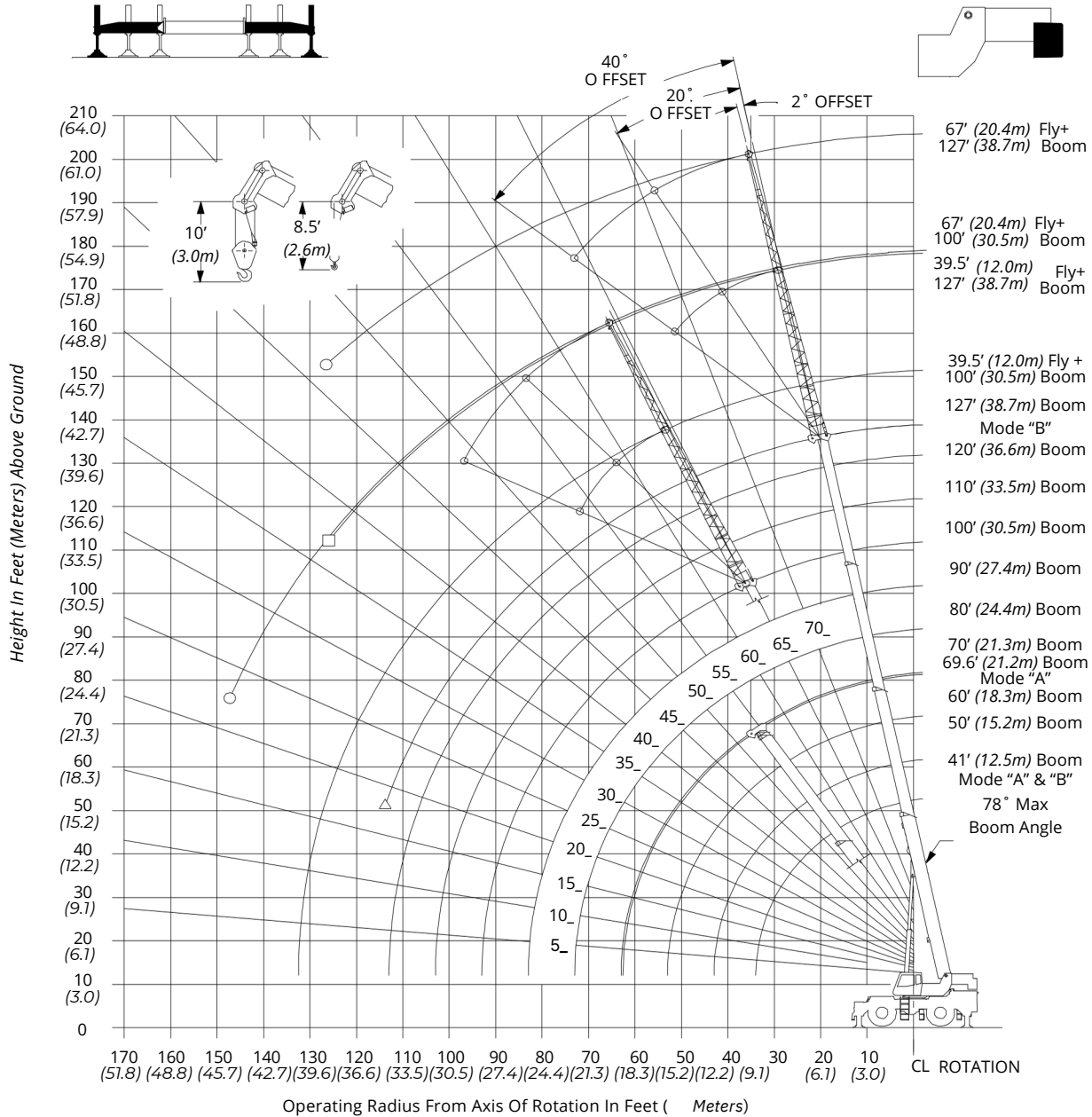
Link-Belt Cranes

RTC---8075

Working Range Diagram

Working Range Diagram
On Fully Extended Outriggers

15,000 lb (6 804kg)
Counterweight

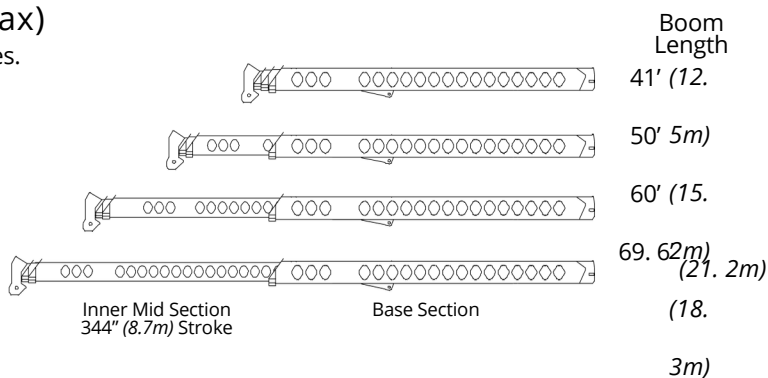


- fj** Denotes Main Boom + 67' (20.4m) Fly---Boom Mode "B"
- Denotes Main Boom + 39.5' (12.0m) Fly---Boom Mode "B"
- △** Denotes Main Boom --- Boom Mode "B"

Boom Extend Modes

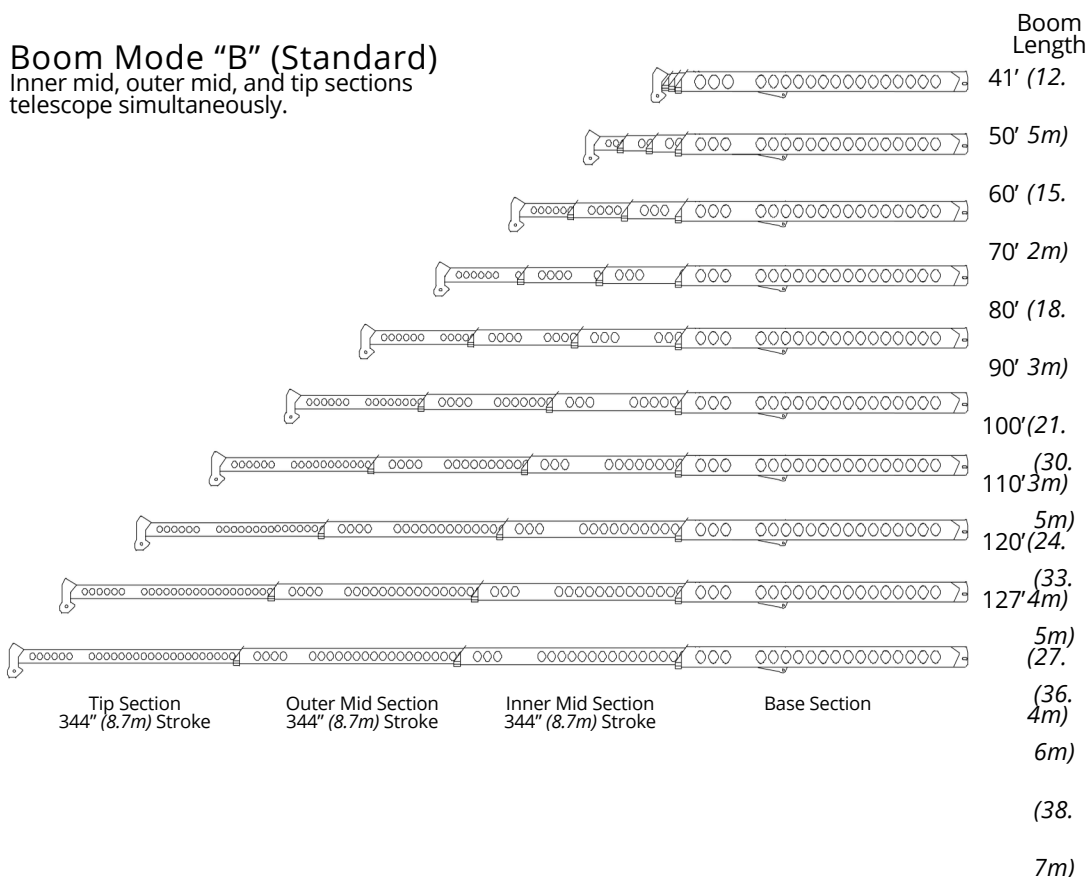
Boom Mode "A" (A -max)

Only inner mid section telescopes.



Boom Mode "B" (Standard)

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





10 Main Boom Lift Capacity Charts -- Standard

5486 (supersedes 5473)---0706---D7

15,000 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)											
Radius (ft)	Boom Length (ft)										Radius (ft)
	41	50	60	69.6/70	80	90	100	110	120	127	
8	150,000*										8
9	140,000*										9
10	128,600	75,100	74,000								10
12	116,500	75,100	74,000								12
15	100,100	75,100	74,000	43,900**	38,000						15
20	74,700	74,100	73,600	43,900**	38,000	38,000	37,400				20
25	57,600	57,000	56,600	43,900**	38,000	38,000	32,700	29,400	23,300	19,600	25
30	45,900	45,500	45,100	43,900**	38,000	37,900	29,000	26,200	23,300	19,600	30
35		36,800	37,300	38,000	37,900	33,900	26,000	23,500	21,500	19,600	35
40		28,700	29,200	37,700	29,700	29,900	23,400	21,200	19,400	18,400	40
45			23,600	29,500	24,100	24,300	21,200	19,200	17,600	16,400	45
50			19,300	23,900	19,900	20,000	19,300	17,400	15,800	14,900	50
55				19,700	16,600	16,800	16,900	15,800	14,400	13,600	55
60				16,400	14,000	14,200	14,300	14,400	13,200	12,500	60
65				13,800	12,000	12,100	12,300	12,400	12,200	11,500	65
70					10,200	10,400	10,500	10,600	10,700	10,600	70
75						8,900	9,000	9,100	9,200	9,200	75
80						7,600	7,800	7,900	7,900	8,000	80
85							6,700	6,800	6,800	6,900	85
90							5,700	5,800	5,900	5,900	90
95								5,000	5,100	5,100	95
100								4,200	4,300	4,400	100
105									3,600	3,700	105
110									3,000	3,100	110
115										2,600	115

* SpecialConditionsOrWireRopeRequired
** 69.6 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.



15,000 lb Counterweight -- On Tires -- Stationary -- Boom Centered Over Front Between Tire Tracks (All Capacities Are Listed In Pounds)							
Radius (ft)	Boom Length (ft)						Radius (ft)
	41	50	60	70	80	90	
15	54,900	42,000					15
20	42,500	29,900					20
25	29,200	21,700	30,300	30,600			25
30	20,800	16,300	22,100	22,400	22,600		30
35		12,500	16,800	17,100	17,300	17,400	35
40			13,000	13,400	13,500	13,600	40
45			10,200	10,600	10,900	11,000	45
50			8,100	8,400	8,700	8,900	50
55				6,700	7,000	7,200	55
60				5,300	5,600	5,800	60
65					4,400	4,600	65
70					3,400	3,600	70

15,000 lb Counterweight -- On Tires -- Pick & Carry (1 mph) -- Boom Centered Over Front (All Capacities Are Listed In Pounds)							
Radius (ft)	Boom Length (ft)						Radius (ft)
	41	50	60	70	80	90	
15	51,400	38,700					15
20	39,100	29,900					20
25	29,200	21,700	30,300	30,600			25
30	20,800	16,300	22,100	22,400	22,600		30
35		12,500	16,800	17,100	17,300	17,400	35
40			13,000	13,400	13,500	13,600	40
45			10,200	10,600	10,900	11,000	45
50			8,100	8,400	8,700	8,900	50
55				6,700	7,000	7,200	55
60				5,300	5,600	5,800	60
65					4,400	4,600	65
70					3,400	3,600	70

15,000 lb Counterweight -- On Tires -- Stationary -- 360° Rotation (All Capacities Are Listed In Pounds)							
Radius (ft)	Boom Length (ft)						Radius (ft)
	41	50	60	70	80	90	
15	33,500	34,100					15
20	20,500	21,300					20
25	13,500	14,200	14,700	15,000			25
30	9,100	9,900	10,400	10,800	10,900		30
35		6,900	7,400	7,800	8,000	8,100	35
40		4,700	5,200	5,600	5,800	6,000	40
45			3,600	3,900	4,200	4,300	45
50					2,900	3,000	50

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

5486 (supersedes 5473)---0706---D7

15,000 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)								
127 ft Main Boom Length 2° Fly Offset			127 ft Main Boom Length 20° Fly Offset			127 ft Main Boom Length 40° Fly Offset		
R radius (ft)	Fly Length (ft)		R radius (ft)	Fly Length (ft)		R radius (ft)	Fly Length (ft)	
	39.5	67		39.5	67		39.5	67
35	8,300		50	8,200		65	6,200	
40	8,300		55	8,000		70	6,100	
45	8,300		60	7,800		75	6,000	
50	8,300	5,500	65	7,600		80	5,800	
55	8,300	5,500	70	7,400	4,200	85	5,700	
60	8,300	5,500	75	7,200	4,000	90	5,700	2,900
65	8,300	5,500	80	7,000	3,900	95	5,600	2,800
70	8,300	5,500	85	6,800	3,800	100	5,500	2,800
75	7,800	5,300	90	6,300	3,600	105	5,100	2,700
80	7,100	5,100	95	5,800	3,500	110	4,700	2,600
85	6,600	4,900	100	5,300	3,400	115	4,300	2,600
90	6,000	4,800	105	4,900	3,300	120	3,800	2,600
95	5,600	4,600	110	4,500	3,200	125	3,200	2,500
100	5,100	4,300	115	4,000	3,100	130	2,700	2,500
105	4,700	3,900	120	3,500	3,000	135	2,200	2,500
110	4,100	3,600	125	3,000	2,900	140		2,300
115	3,500	3,200	130	2,500	2,600	145		2,000
120	3,000	2,900	135	2,100	2,300	150		1,800
125	2,600	2,700	140		2,100	155		1,600
130	2,100	2,400	145		1,900			
135		2,200	150		1,700			

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.

RTC---8075

Link-Belt Cranes



Main Boom Lift Capacity Charts -- Optional (Metric)

6 804kg Counterweight -- Fully Extended Outriggers -- 360 ° Rotation (All Capacities Are Listed In Kilograms)											
Radius (m)	Boom Length (m)										Radius (m)
	12.5	15.2	18.3	21.21/21.3	24.4	27.4	30.5	33.5	36.6	38.71	
2.44	68000*										2.44
2.74	63500*										2.74
3.0											3.0
3.5	58350	34050	33550								3.5
4.0	54350	34050	33550	19900**							4.0
4.5	49850	34050	33550	19900**							4.5
5.0	45950	34050	33550	19900**	17 200						5.0
6.0	42000	34050	33550	19900**	17 200						6.0
7.0	34450	34050	33550	19900**	17 200	17 200	17 150				7.0
8.0	28900	28650	28450	19900**	17 200	17 200	15 700				8.0
9.0	24600	24350	24150	19150**	17 200	17 200	14 350	12 950	10 550	8900	9.0
10.0	19950	19600	19300	17400**	17 200	17 200	13 300	12 000	10 550	8900	10.0
12.0	16250	16600	16850	16950	17 050	16 100	12 350	11 150	10 200	8900	12.0
14.0		11800	12000	12150	12 250	12 300	10 750	9700	8900	8450	14.0
16.0			9050	9200	9300	9350	9400	8550	7800	7300	16.0
18.0			7000	7150	7250	7300	7350	7400	6850	6450	18.0
20.0				5700	5800	5850	5900	5900	5950	5750	20.0
22.0					4700	4750	4800	4850	4850	4900	22.0
24.0					3800	3900	3950	3950	4000	4000	24.0
26.0						3150	3200	3250	3300	3300	26.0
28.0							2650	2700	2700	2700	28.0
30.0							2150	2200	2200	2250	30.0
32.0								1750	1800	1800	32.0
34.0									1450	1450	34.0
									1150	1150	
* SpecialConditionsOrWireRopeRequired											
** 21.21 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 or on tires do not exceed 75% of the tipping loads.

6 804kg Counterweight -- On Tires -- Stationary -- Boom Centered Over Front Between Tire Tracks (All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	12.5	15.2	18.3	21.3	24.4	27.4	
4.5	25 200						4.5
5.0	23 150						5.0
6.0	17 650	17 300					6.0
7.0	13 350	13 600					7.0
8.0	10 500	10 800	10 950	11 100			8.0
9.0	8450	8750	8950	9050	9100		9.0
10.0	6850	7200	7400	7500	7600		10.0
12.0		5050	5300	5450	5500	5550	12.0
14.0			3850	4000	4100	4150	14.0
16.0			2800	2950	3050	3100	16.0
18.0				2150	2300	2350	18.0
20.0					1650	1750	20.0
22.0					1200	1250	22.0

6 804kg Counterweight -- On Tires -- Pick & Carry (1.6km/h) -- Boom Centered Over Front (All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	12.5	15.2	18.3	21.3	24.4	27.4	
4.5	23 650						4.5
5.0	21 550						5.0
6.0	17 650	17 300					6.0
7.0	13 350	13 600					7.0
8.0	10 500	10 800	10 950	11 100			8.0
9.0	8450	8750	8950	9050	9100		9.0
10.0	6850	7200	7400	7500	7600		10.0
12.0		5050	5300	5450	5500	5550	12.0
14.0			3850	4000	4100	4150	14.0
16.0			2800	2950	3050	3100	16.0
18.0				2150	2300	2350	18.0
20.0					1650	1750	20.0
22.0					1200	1250	22.0

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



6 804kg Counterweight -- On Tires -- Stationary -- 360° Rotation (All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	12.5	15.2	18.3	21.3	24.4	27.4	
4.5	13 500						4.5
5.0	11 350						5.0
6.0	8250	8550					6.0
7.0	6250	6550					7.0
8.0	4800	5100	5300	5400			8.0
9.0	3700	4000	4200	4350	4400		9.0
10.0	2850	3150	3350	3500	3600	3650	10.0
12.0		1950	2150	2300	2400	2450	12.0
14.0			1300	1450	1500	1600	14.0

Fly Attachment Lift Capacity Charts -- Optional (Metric)

6 804kg Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Kilograms)								
38.71m Main Boom Length 2° Fly Offset			38.71m Main Boom Length 20° Fly Offset			38.71m Main Boom Length 40° Fly Offset		
R adius (m)	Fly Length (m)		R adius (m)	Fly Length (m)		R adius (m)	Fly Length (m)	
	12.04	20.42		12.04	20.42		12.04	20.42
12.0	3750		12.0			12.0		
14.0	3750		14.0			14.0		
16.0	3750	2450	16.0	3650		16.0		
18.0	3750	2450	18.0	3550		18.0		
20.0	3750	2450	20.0	3400		20.0	2800	
22.0	3700	2450	22.0	3300	1850	22.0	2750	
24.0	3300	2350	24.0	3200	1800	24.0	2650	
26.0	2950	2250	26.0	3050	1700	26.0	2600	
28.0	2650	2150	28.0	2750	1600	28.0	2550	1300
30.0	2200	2000	30.0	2500	1550	30.0	2500	1250
32.0	1850	1800	32.0	2100	1500	32.0	2300	1200
34.0	1550	1550	34.0	1750	1450	34.0	1950	1200
36.0	1250	1400	36.0	1450	1400	36.0	1600	1150
38.0	1000	1200	38.0	1200	1300	38.0	1300	1150
40.0		1000	40.0	950	1150	40.0	1000	1150
42.0			42.0		1000	42.0		1100
44.0			44.0		850	44.0		950
46.0			46.0			46.0		800

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

5486 (supersedes 5473)---0706---D7

Link--BeltConstructionEquipmentCompany

Lexington, Kentucky

www.linkbelt.com

® Link--Belt is a registered trademark. Copyright 2006. We are constantly improving our products and therefore reserve the right to change designs and specifications.

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

RTC---8075

Link-Belt Cranes