



SERIAL NUMBER: XXXX-XXXX

CRANE RATING MANUAL

RTC-8075XL II

TELESCOPIC BOOM ROUGH TERRAIN CRANE
41'-127' FOUR SECTION FULL POWER BOOM

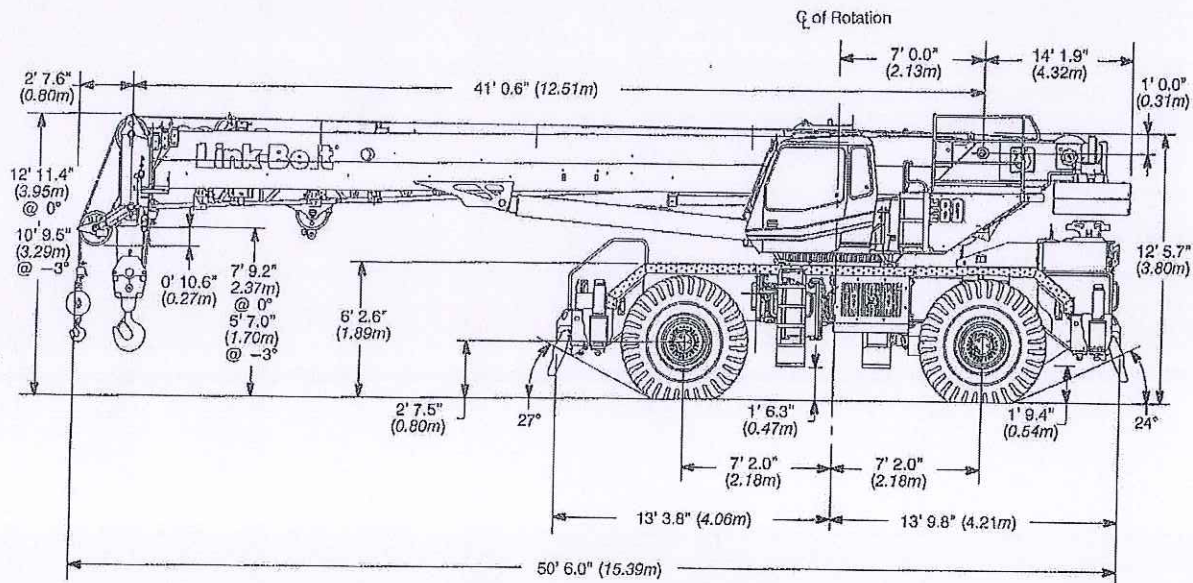
For Replacement, Order Part Number: S4P0028
(010914)

Link-Belt®
CONSTRUCTION EQUIPMENT

• Link-Belt is a registered trademark.

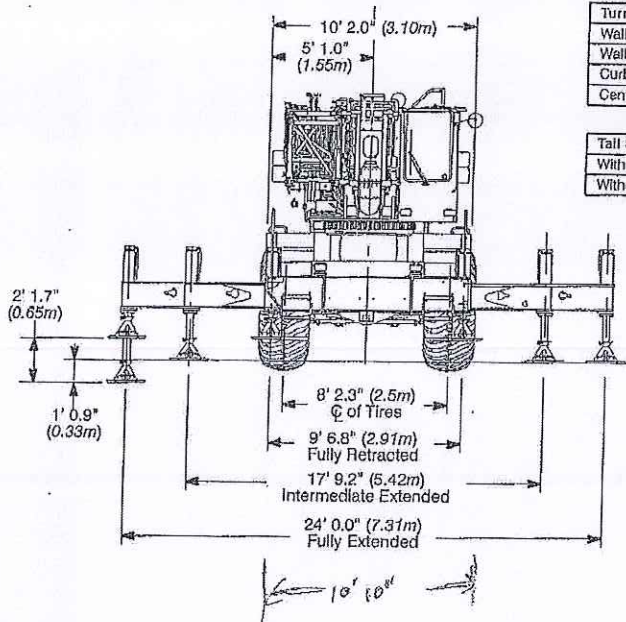
General Dimensions

Tier 4f / Stage IV



Turning Radius — Front Wheel (4x2) Steering		English	Metric
Wall to wall over carrier	48' 3"	14.71m	
Wall to wall over boom attachment	60' 1"	18.31m	
Curb to curb	46' 8"	14.22m	
Centerline of tire	45' 3"	13.79m	

Q of Rotation



Turning Radius — All Wheel (4x4) Steering		English	Metric
Wall to wall over carrier	27' 10"	8.48m	
Wall to wall over boom attachment	36' 11"	11.86m	
Curb to curb	26' 0"	7.92m	
Centerline of tire	24' 6"	7.47m	

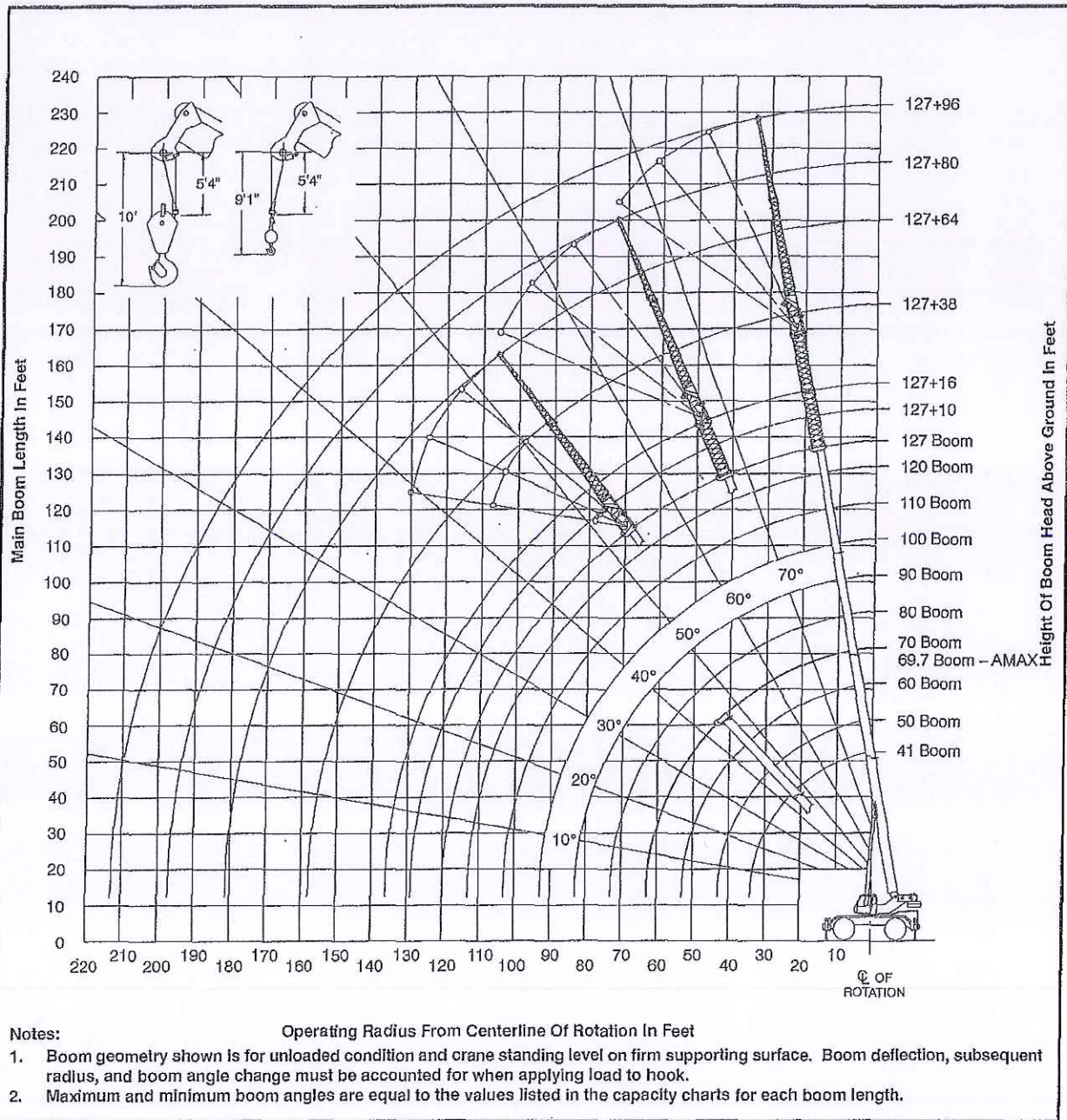
Tail Swing	English	Metric
With counterweight	14' 2"	4.32m
Without counterweight	13' 2"	4.01m

Not To Scale



Link-Belt Cranes

Main Boom Working Range Diagram — Standard



Main Boom Lift Capacity Charts — Standard

19,200 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds)											
Radius (ft)	Boom Length (ft)										Radius (ft)
	41	50	60	70	80	90	100	110	120	127	
10	160,000	105,600	104,100	66,700							10
12	138,200	105,600	104,100	66,700	48,000						12
15	111,100	105,600	94,200	66,700	48,000	48,600					15
20	81,500	81,200	79,100	63,600	48,000	48,600	45,900	37,300			20
25	63,400	63,100	62,800	54,600	48,000	48,600	41,400	37,300	27,100	23,200	25
30	51,000	50,800	50,600	47,600	48,000	47,100	37,700	34,100	27,100	23,200	30
35		43,100	43,700	44,100	44,400	42,800	34,400	30,900	27,100	23,200	35
40		34,200	35,000	35,400	35,600	35,800	31,300	28,200	25,900	23,200	40
45			28,200	28,700	28,900	29,100	28,500	25,800	23,700	22,600	45
50			23,200	23,800	24,000	24,200	24,400	23,700	21,800	20,700	50
55				19,900	20,300	20,400	20,600	20,700	20,100	19,100	55
60				16,900	17,200	17,400	17,600	17,700	17,700	17,700	60
65					14,700	15,000	15,100	15,200	15,300	15,300	65
70					12,700	13,000	13,100	13,200	13,300	13,300	70
75						11,300	11,500	11,600	11,700	11,800	75
80						9,800	10,000	10,200	10,300	10,300	80
85							8,700	8,900	9,000	9,100	85
90							7,600	7,800	7,900	8,000	90
95								6,800	6,900	7,000	95
100								6,000	6,100	6,200	100
105									5,300	5,400	105
110									4,600	4,700	110
115										4,100	115

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.

19,200 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds)									
127 ft Main Boom Length									
Radius (ft)	38 ft Manual Offset Fly				64 ft Manual Offset Fly				Radius (ft)
	2°	15°	30°	45°	2°	15°	30°	45°	
35	10,900								35
40	10,900								40
45	10,900	10,400			7,200				45
50	10,900	10,200			7,200				50
55	10,900	10,000	9,000		7,100				55
60	10,800	9,900	8,800		7,000				60
65	10,700	9,700	8,700	8,000	6,900	6,000			65
70	10,500	9,500	8,500	7,900	6,700	5,900			70
75	10,300	9,300	8,400	7,800	6,500	5,700			75
80	9,800	9,100	8,200	7,700	6,400	5,500	4,700		80
85	9,300	8,700	8,100	7,700	6,200	5,400	4,600		85
90	8,700	8,300	7,900	7,600	6,000	5,200	4,500	4,100	90
95	7,700	8,000	7,600	7,400	5,800	5,100	4,400	4,000	95
100	6,800	7,300	7,300	7,200	5,600	4,900	4,300	4,000	100
105	6,000	6,500	6,900	6,900	5,300	4,800	4,300	3,900	105
110	5,400	5,800	6,100	6,400	5,000	4,600	4,200	3,900	110
115	4,700	5,100	5,400	5,600	4,800	4,400	4,100	3,900	115
120	4,200	4,500	4,800	4,900	4,600	4,200	3,900	3,700	120
125	3,700	3,900	4,200	4,300	4,200	4,000	3,700	3,600	125
130	3,200	3,400	3,600	3,700	3,800	3,800	3,600	3,500	130
135	2,800	3,000	3,100		3,300	3,700	3,400	3,400	135
140	2,400	2,600	2,700		2,900	3,300	3,300	3,300	140
145	2,000	2,200	2,200		2,500	2,900	3,200	3,200	145
150	1,700	1,800			2,200	2,500	2,800	3,000	150
155					1,900	2,200	2,400	2,500	155
160					1,600	1,800	2,100	2,100	160
165					1,300	1,500	1,700		165
170					1,000	1,200	1,300		170
175						900			175

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