

Technical Data

Specifications & Capacities

75|RT

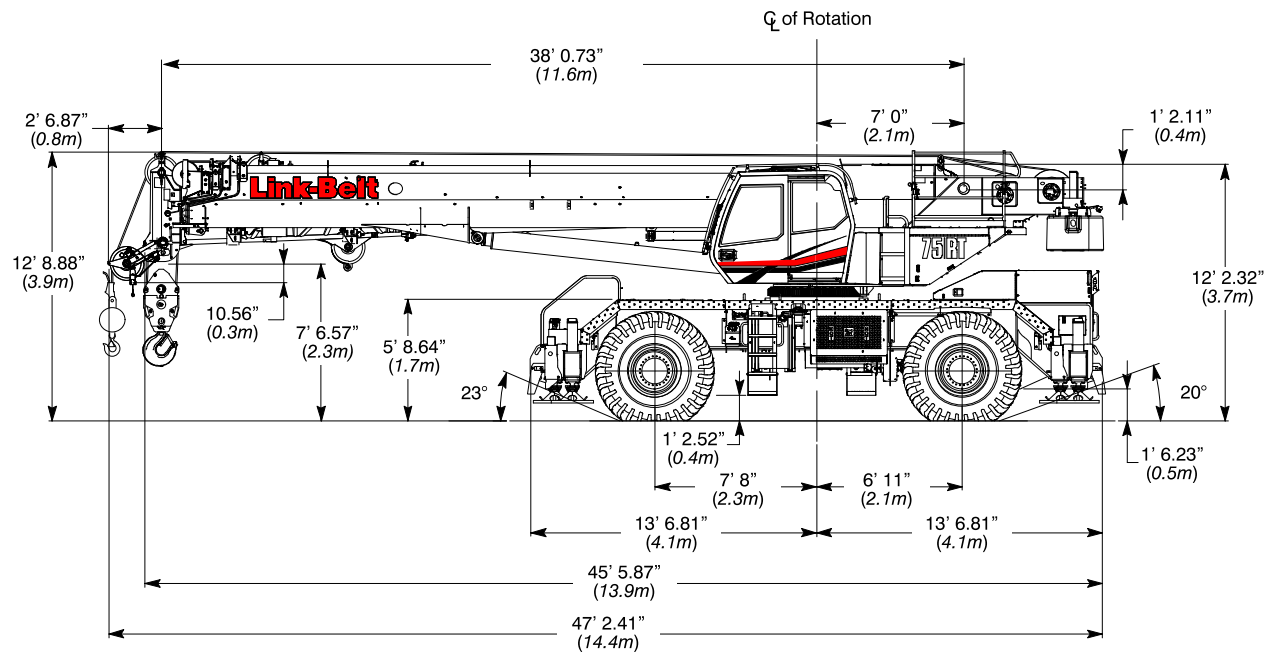
Telescopic Boom Rough Terrain Crane
75 US ton
70 metric ton



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.

General Dimensions

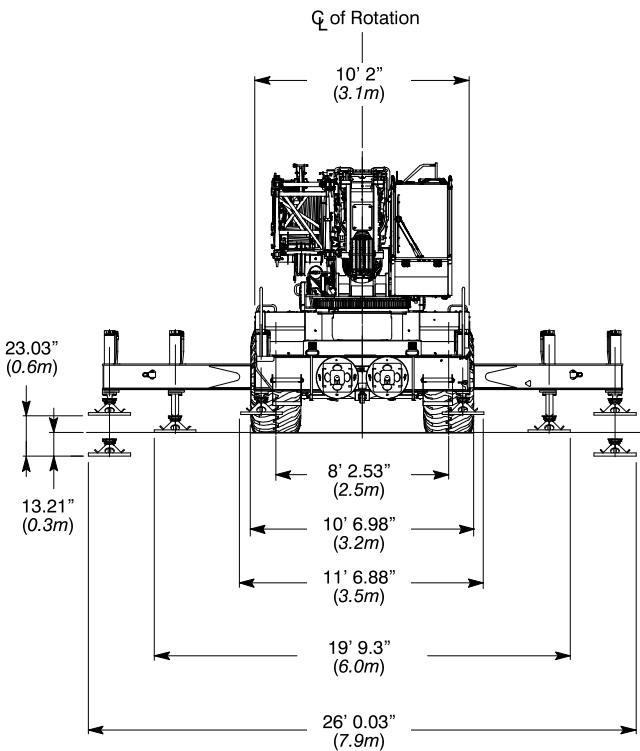
Tier 4f / Stage IV



Turning Radius — Front Wheel (4x2) Steering	English	Metric
Wall to wall over carrier	43' 2"	13.2m
Wall to wall over boom attachment	53' 3"	16.2m
Curb to curb	41' 6"	12.6m
Centerline of tire	40' 0"	12.2m

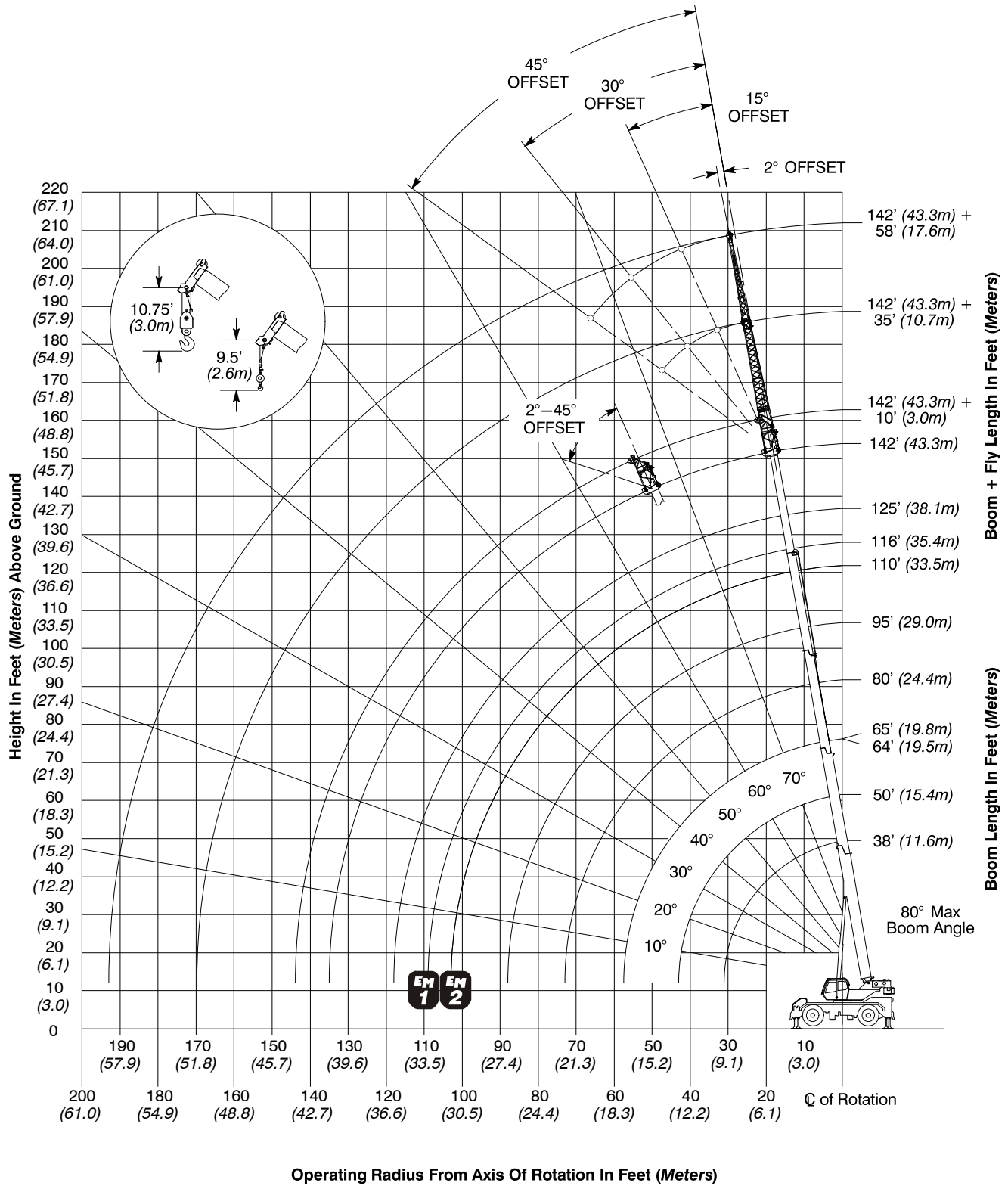
Turning Radius — All Wheel (4x4) Steering	English	Metric
Wall to wall over carrier	26' 6"	8.1m
Wall to wall over boom attachment	38' 0"	11.6m
Curb to curb	24' 10"	7.6m
Centerline of tire	23' 6"	7.2m

Tail Swing	English	Metric
With counterweight	13' 7.98"	4.17m
Without counterweight	13' 0.73"	4.0m



Not To Scale

Working Range Diagram



Main Boom Lift Capacity Charts – Imperial

14,500lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)									
Radius (ft)	Boom Length (ft)								Radius (ft)
	38.0	50.0	64.0/65.0	80.0	95.0	110.0/116.0	125.0	142.0	
8	150,000**								8
9	140,000								9
10	131,300	96,700	61,000						10
12	117,400	96,700	61,000	45,000					12
15	100,800	96,700	61,000	45,000	45,000				15
20	78,400	77,400	61,000	45,000	45,000	40,000			20
25	60,600	59,800	57,600	45,000	45,000	40,000	28,200		25
30	48,000	46,600	45,300	43,900	39,600	36,000	28,200	20,200	30
35		37,600	39,000	37,800	35,000	32,000	27,800	20,200	35
40		29,200	30,700	31,400	28,200	28,700	25,500	20,200	40
45			24,800	25,500	22,500	23,300	23,500	20,100	45
50			20,500	21,200	19,500	19,000	19,600	18,500	50
55			17,100	17,800	17,900	15,700	16,300	16,800	55
60				15,200	15,700	13,600*	14,500	14,300	60
65				13,100	13,500	12,600*	13,300	12,200	65
70				11,300	11,800	11,600*	11,500	10,400	70
75					10,300	10,600*	10,000	8,900	75
80					8,900	9,400*	8,700	7,700	80
85					7,800	8,200*	7,600	6,600	85
90						7,300*	6,600	5,600	90
95						6,400*	5,800	4,800	95
100						5,700*	5,100	4,100	100
105						5,000*	4,400	3,400	105
110							3,800	2,800	110
115							3,200	2,300	115
120								1,800	120
125								1,400	125
*Boom Mode EM1, 116.0 ft									
**Over Front Only									

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.

14,500lb Counterweight On Tires — Stationary — Boom Centered Over The Front Between Tire Tracks (All Capacities Are Listed In Pounds)						
Radius (ft)	Boom Length (ft)					Radius (ft)
	38.0	50.0	64.0/65.0	65	75	
10	68,800					10
12	60,900	59,900				12
15	51,700	50,800	39,400			15
20	40,700	42,300	39,400	26,500		20
25	31,800	33,900	35,200	26,500		25
30	22,500	24,600	25,800	26,500	20,800	30
35		18,500	19,800	20,400	20,800	35
40		14,300	15,600	16,200	16,600	40
45			12,500	13,200	13,600	45
50			10,100	10,800	11,200	50
55			8,200	8,900	9,400	55
60				7,400	7,800	60
65				6,100	6,600	65
70				5,000	5,500	70
75					4,600	75
80					3,800	80
85					3,100	85

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.

14,500lb Counterweight On Tires – Boom Centered Over The Front Pick and Carry – Creep
(All Capacities Are Listed In Pounds)

Radius (ft)	Boom Length (ft)					Radius (ft)
	38.0	50.0	64.0/65.0	80.0	95.0	
10	67,600					10
12	59,200	58,300				12
15	49,300	48,500	36,400			15
20	37,700	39,200	36,400	26,500		20
25	29,700	31,300	32,300	26,500		25
30	22,500	24,600	25,800	26,500	20,800	30
35		18,500	19,800	20,400	20,800	35
40		14,300	15,600	16,200	16,600	40
45			12,500	13,200	13,600	45
50			10,100	10,800	11,200	50
55			8,200	8,900	9,400	55
60				7,400	7,800	60
65				6,100	6,600	65
70				5,000	5,500	70
75					4,600	75
80					3,800	80
85					3,100	85

14,500lb Counterweight On Tires – Stationary – 360° Rotation
(All Capacities Are Listed In Pounds)

Radius (ft)	Boom Length (ft)					Radius (ft)
	38.0	50.0	64.0/65.0	80.0	95.0	
12	42,500					12
15	29,600	31,500				15
20	17,500	19,400				20
25	11,100	12,900	14,200			25
30	7,000	8,800	10,000	10,700		30
35		6,000	7,200	7,900	8,300	35
40		4,000	5,100	5,800	6,300	40
45			3,600	4,300	4,700	45
50			2,400	3,000	3,500	50
55				2,000	2,500	55
60				1,200	1,600	60
65					1,000	65

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

14,500lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds) Main Boom + 10 ft Manual Offset Fly (2°, 15°, 30° & 45° Offsets)									
Radius (ft)	Boom Length (ft)								Radius (ft)
	38.0	50.0	64.0/65.0	80.0	95.0	110.0/116.0	125.0	142.0	
10	41,500	42,700	44,300						10
12	36,000	36,600	42,600	44,100					12
15	35,100	35,900	36,400	44,100	44,000				15
20	34,100	34,800	35,500	35,900	36,000	30,800			20
25	33,500	34,000	34,700	35,200	35,500	30,800	22,800		25
30	33,500	33,600	34,200	34,500	34,800	30,800	22,800	16,200	30
35	33,500	33,500	33,800	34,300	33,500	30,000	22,800	16,200	35
40	30,100	30,700	31,300	28,500	28,400	27,500	22,100	16,200	40
45		24,800	25,300	25,700	22,600	23,200	20,400	16,200	45
50		20,600	21,000	21,300	18,400	18,900	18,900	16,200	50
55			17,700	18,000	16,100	15,800	16,100	15,200	55
60			15,100	15,400	14,900	13,200	13,600	13,900	60
65			13,000	13,200	13,400	11,500	12,200	11,800	65
70				11,500	11,700	10,600	11,200	10,100	70
75				10,000	10,200	9,800*	9,700	8,600	75
80				8,700	8,900	9,100*	8,400	7,300	80
85					7,800	7,900*	7,300	6,200	85
90					6,800	7,000*	6,300	5,300	90
95					6,000	6,100*	5,500	4,500	95
100						5,400*	4,700	3,700	100
105						4,700*	4,100	3,100	105
110						4,100*	3,500	2,500	110
115						3,600*	3,000	2,000	115
120							2,500	1,500	120
125							2,100	1,100	125

*Boom Mode EM1, 116.0 ft

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.

14,500lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds)									
Radius (ft)	142 ft Main Boom Length								Radius (ft)
	35 ft Manual Offset Fly				58 ft Manual Offset Fly				
	2°	15°	30°	45°	2°	15°	30°	45°	
40	11,000								40
45	11,000				7,400				45
50	11,000	11,400			7,400				50
55	11,000	11,400			7,400				55
60	11,000	11,400	11,300		7,400				60
65	11,000	11,400	11,000	9,800	7,400	7,800			65
70	10,900	11,100	10,800	9,700	7,400	7,700			70
75	9,300	10,100	10,100	9,600	7,400	7,500			75
80	8,000	8,800	9,400	9,300	7,400	7,300	6,200		80
85	6,900	7,600	8,300	8,700	7,400	7,100	6,000	5,200	85
90	6,000	6,600	7,200	7,600	6,500	6,900	5,900	5,100	90
95	5,100	5,700	6,200	6,600	5,700	6,600	5,700	5,100	95
100	4,400	4,900	5,400	5,700	4,900	5,700	5,600	5,000	100
105	3,700	4,200	4,600	4,900	4,200	5,000	5,500	4,900	105
110	3,100	3,500	3,900	4,200	3,600	4,300	5,000	4,900	110
115	2,500	2,900	3,300	3,500	3,000	3,700	4,400	4,800	115
120	2,100	2,400	2,700	2,900	2,500	3,200	3,800	4,200	120
125	1,600	1,900	2,200	2,400	2,100	2,700	3,200	3,600	125
130	1,200	1,500	1,700	1,900	1,700	2,200	2,700	3,100	130
135		1,100	1,300	1,400	1,300	1,800	2,200	2,600	135
140			900	1,000	900	1,400	1,800	2,100	140
145						1,000	1,400	1,600	145
150							1,000	1,200	150

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.