



Lifting Capacities

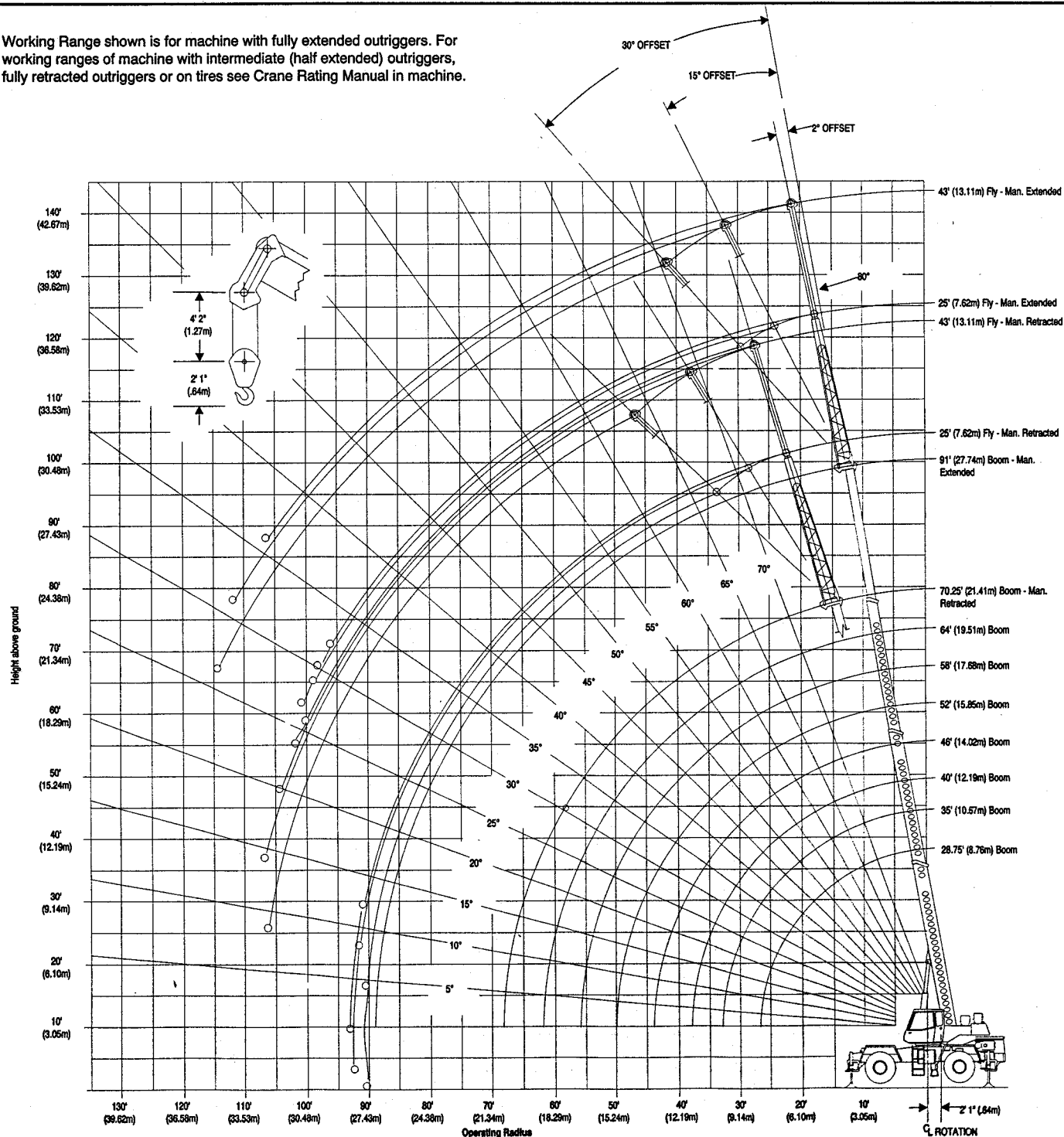
GENERAL INFORMATION ONLY

Hydraulic Rough Terrain Crane

RTC-8028 28-ton (25.42 metric ton)

4-Section Boom

Working Range shown is for machine with fully extended outriggers. For working ranges of machine with intermediate (half extended) outriggers, fully retracted outriggers or on tires see Crane Rating Manual in machine.



Note: Boom and fly geometry shown are for unloaded condition and machine standing level on firm supporting surface. Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

CAUTION: This material is supplied for reference only. Operator MUST refer to in-cab crane rating manual to determine allowable machine lifting capacities and operating procedures.

**RTC-8028 Lifting Capacities**

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - Outriggers Fully Extended

Outriggers Fully Extended																			
28.75' (8.76m) TO 58' (17.68m) Main Boom with Manual Retracted																			
LOAD RADIUS (ft./m)	28.75' (8.76m)			35' (10.67m)			40' (12.19m)			46' (14.02m)			52' (15.85m)			58' (17.68m)			LOAD RADIUS (ft./m)
	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	
10 3.05	66.0	56,000 25 401	56,000 25 401	70.5	48,600 22 045	48,600 22 045	73.5	47,800 21 682	47,800 21 682	76.0	47,200 21 410	47,200 21 410	78.0	46,800 21 228	46,800 21 228				10 3.05
12 3.66	61.5	54,000 24 494	54,000 24 494	67.0	48,600 22 045	48,600 22 045	70.5	47,800 21 682	47,800 21 682	73.5	47,200 21 410	47,200 21 410	76.0	43,800 19 868	43,800 19 868	77.5	40,200 18 235	40,200 18 235	12 3.66
15 4.57	54.5	42,900 19 459	42,900 19 459	61.5	42,800 19 414	42,800 19 414	66.0	42,800 19 414	42,800 19 414	69.5	41,500 18 824	41,500 18 824	72.5	37,600 17 055	37,600 17 055	74.5	34,900 15 831	34,900 15 831	15 4.57
20 6.10	40.5	30,700 13 926	30,700 13 926	52.0	30,700 13 926	30,700 13 926	57.5	30,700 13 926	30,700 13 926	62.5	30,700 13 926	30,700 13 926	66.5	30,300 13 744	30,300 13 744	69.5	28,000 12 701	28,000 12 701	20 6.10
25 7.62	20.5	22,700 10 297	22,700 10 297	40.0	22,700 10 297	22,700 10 297	48.5	22,700 10 297	22,700 10 297	55.0	22,700 10 297	22,700 10 297	60.0	22,700 10 297	22,700 10 297	64.0	22,700 10 297	22,700 10 297	25 7.62
30 9.14	(See Note 17)			24.5	18,500 8 392	18,500 8 392	37.5	18,500 8 392	18,500 8 392	47.0	18,500 8 392	18,500 8 392	53.5	18,500 8 392	18,500 8 392	58.0	18,500 8 392	18,500 8 392	30 9.14
35 10.67							23.0	14,600 6 623	15,100 6 849	37.5	14,600 6 623	15,100 6 849	46.0	14,600 6 623	15,100 6 849	52.0	14,600 6 623	15,100 6 849	35 10.67
40 12.19										25.0	11,400 5 171	12,500 5 670	37.5	11,400 5 171	12,500 5 670	45.0	11,400 5 171	12,500 5 670	40 12.19
45 13.72													26.5	9,100 4 128	10,500 4 763	37.5	9,100 4 128	10,500 4 763	45 13.72
50 15.24																27.5	7,400 3 357	8,900 4 037	50 15.24
0 Angle Capacity		12,000 5 443	13,200 5 988		8,100 3 674	9,900 4 491		6,200 2 812	8,100 3 674		4,700 2 132	6,400 2 903		3,600 1 633	5,200 2 359		2,800 1 270	4,200 1 905	

Outriggers Fully Extended									
64' (19.51m) TO 70.25' (21.41m) Main Boom									
LOAD RADIUS (ft./m)	Manual Retracted					Manual Extended			
	64' (19.51m)		70.25' (21.41m)			91' (27.74m)			LOAD RADIUS (ft./m)
	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)
15 4.57	76.5	32,100 14 561	32,100 14 561	78.0	28,500 12 928	28,500 12 928			15 4.57
20 6.10	72.0	26,400 11 975	26,400 11 975	74.0	24,100 10 932	24,100 10 932	79.0	18,600 8 437	18,600 8 437
25 7.62	67.0	21,900 9 934	21,900 9 934	70.0	20,700 9 390	20,700 9 390	75.5	16,300 7 394	16,300 7 394
30 9.14	62.0	18,500 8 392	18,500 8 392	65.5	17,600 7 983	17,600 7 983	72.5	14,500 6 577	14,500 6 577
35 10.67	56.5	14,600 6 623	15,100 6 849	60.5	14,600 6 623	15,100 6 849	69.0	12,900 5 851	12,900 5 851
40 12.19	51.0	11,400 5 171	12,500 5 670	55.5	11,400 5 171	12,500 5 670	66.0	11,400 5 171	11,400 5 171
45 13.72	44.5	9,100 4 128	10,500 4 763	50.0	9,100 4 128	10,500 4 763	62.5	10,100 4 581	10,200 4 627
50 15.24	37.5	7,400 3 357	8,900 4 037	44.5	7,400 3 357	8,900 4 037	58.5	8,400 3 810	8,900 4 037
55 16.76	28.5	6,000 2 722	7,600 3 447	37.5	6,000 2 722	7,600 3 447	54.5	7,000 3 175	8,200 3 720
60 18.29	15.5	4,900 2 223	6,500 2 948	30.0	4,900 2 223	6,500 2 948	50.5	5,900 2 676	7,300 3 311
65 19.81				19.0	4,000 1 814	5,500 2 495	46.0	4,900 2 223	6,400 2 903
70 21.34							41.0	4,200 1 905	5,600 2 540
75 22.86							35.5	3,500 1 588	4,900 2 223
80 24.38							28.5	3,000 1 361	4,300 1 950
85 25.91							20.0	2,500 1 134	3,800 1 724
0 Angle Capacity		2,200 998	3,400 1 542		1,700 771	2,800 1 270	Minimum Boom Angle For No Load: 0°		

Outriggers Fully Extended							
LOAD RADIUS (ft./m)	25' (7.62m) Fly			25' (7.62m) Fly			LOAD RADIUS (ft./m)
	Manual Retracted			Manual Extended			
	95.25' (29.03m)			116' (35.36m)			
	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	OVER FRONT (lbs./kgs)	
20 6.10	78.5	16,200 7 348	16,200 7 348				20 6.10
25 7.62	75.5	13,900 6 305	13,900 6 305				25 7.62
30 9.14	72.5	12,200 5 534	12,200 5 534	77.5	10,300 4 672	10,300 4 672	30 9.14
35 10.67	69.5	10,900 4 944	10,900 4 944	75.0	9,000 4 082	9,000 4 082	35 10.67
40 12.19	66.0	9,800 4 445	9,800 4 445	72.5	8,100 3 674	8,100 3 674	40 12.19
45 13.72	63.0	8,800 3 992	8,800 3 992	69.5	7,200 3 266	7,200 3 266	45 13.72
50 15.24	59.5	8,100 3 674	8,100 3 674	67.0	6,500 2 948	6,500 2 948	50 15.24
55 16.76	55.5	7,100 3 221	7,500 3 402	64.0	5,900 2 676	5,900 2 676	55 16.76
60 18.29	52.0	6,000 2 722	7,000 3 175	61.5	5,400 2 449	5,400 2 449	60 18.29
65 19.81	48.0	5,100 2 313	6,400 2 903	58.5	5,000 2 268	5,000 2 268	65 19.81
70 21.34	43.5	4,300 1 950	5,700 2 586	55.5	4,600 2 087	4,600 2 087	70 21.34
75 22.86	38.5	3,700 1 678	5,000 2 268	52.0	4,100 1 860	4,200 1 905	75 22.86
80 24.38	32.5	3,100 1 406	4,400 1 996	49.0	3,500 1 588	3,900 1 769	80 24.38
85 25.91	26.0	2,700 1 225	3,900 1 769	45.0	3,000 1 361	3,500 1 588	85 25.91
90 27.43	17.0	2,200 998	3,400 1 542	41.5	2,600 1 179	3,300 1 497	90 27.43
95 28.96				37.8	2,300 1 043	3,000 1 361	95 28.96
100 30.48				32.0	1,900 862	2,800 1 270	100 30.48
105 32.00				26.5	1,600 726	2,600 1 179	105 32.00
Minimum Boom Angle For No Load: 0°				Warning: Do not lower 25' fixed fly in working position below 13 degrees unless main boom length is 88' or less, since loss of stability will occur causing a tipping condition.			

GENERAL INFORMATION ONLY



RTC-8028 Lifting Capacities

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - Outriggers Fully Extended

Outriggers Fully Extended												
LOAD RADIUS (ft./m)	25' (7.62m) Offsettable Fly - manual retracted						25' (7.62m) Offsettable Fly - manual extended					
	2° OFFSET		15° OFFSET		30° OFFSET		2° OFFSET		15° OFFSET		30° OFFSET	
	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)
20 6.10	78.5	13,000 5 897										20 6.10
25 7.62	75.5	11,900 5 398	79.0	9,100 4 128			79.5	10,300 4 672				25 7.62
30 9.14	72.5	10,900 4 944	76.0	8,500 3 856	79.0	6,400 2 903	77.0	9,100 4 128	80.0	8,400 3 810		30 9.14
35 10.67	69.5	9,800 4 445	73.0	7,800 3 538	76.0	6,000 2 722	75.0	8,100 3 674	77.5	7,400 3 357	80.0	6,400 2 903
40 12.19	66.5	9,200 4 173	69.5	7,200 3 266	72.5	5,700 2 586	72.5	7,300 3 311	75.0	6,600 2 994	77.5	5,900 2 676
45 13.72	63.0	8,500 3 856	66.0	6,800 2 994	69.5	5,400 2 449	70.0	6,800 2 994	72.5	5,900 2 676	75.0	5,300 2 404
50 15.24	59.5	7,700 3 493	62.5	6,100 2 767	65.5	5,200 2 359	67.0	5,900 2 676	70.0	5,300 2 404	72.5	4,900 2 223
55 16.76	56.0	6,800 3 084	59.0	5,800 2 631	62.0	4,900 2 223	64.5	5,400 2 449	67.0	4,800 2 177	69.5	4,500 2 041
60 18.29	52.0	5,700 2 586	55.0	5,400 2 449	58.0	4,700 2 132	61.5	4,900 2 223	64.0	4,400 1 996	66.5	4,100 1 860
65 19.81	48.0	4,800 2 177	51.0	5,100 2 313	54.0	4,600 2 087	58.5	4,500 2 041	61.0	4,100 1 860	63.5	3,800 1 724
70 21.34	43.5	4,000 1 814	46.5	4,300 1 950	49.0	4,300 1 950	55.5	4,100 1 860	58.0	3,700 1 678	60.5	3,500 1 588
75 22.86	38.5	3,400 1 542	41.5	3,600 1 633	44.0	3,700 1 678	52.0	3,700 1 678	55.0	3,400 1 542	57.0	3,300 1 497
80 24.38	33.0	2,800 1 270	36.0	3,000 1 361	38.0	3,100 1 406	49.0	3,200 1 452	51.5	3,200 1 452	53.5	3,100 1 406
85 25.91	26.5	2,400 1 089	29.0	2,400 1 089	30.0	2,500 1 134	45.0	2,700 1 225	48.0	2,900 1 315	49.5	2,900 1 315
90 27.43	17.5	1,900 862	19.5	2,000 907	17.0	1,900 862	41.0	2,300 1 043	44.0	2,400 1 089	45.5	2,500 1 134
95 28.96							37.0	1,900 862	39.5	2,000 907	41.0	2,100 953
100 30.48							32.0	1,600 726	34.5	1,700 771	35.5	1,700 771
105 32.00							26.5	1,300 590	29.5	1,400 635	29.5	1,400 635
Minimum Boom Angle For No Load: 0°							Warning: Do not lower 25' fixed fly in working position below 13 degrees unless main boom length is 81' or less, since loss of stability will occur causing a tipping condition.					

GENERAL INFORMATION ONLY

**RTC-8028 Lifting Capacities**

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - Outriggers Fully Extended

Outriggers Fully Extended												
25' - 43' (7.62m - 13.11m) Offset Telescoping Fly + 70.25' (21.41m) Main Boom with Manual Retracted												
LOAD RADIUS (ft./m)	25' (7.62m) Fly						43' (13.11m) Fly					
	2° OFFSET		15° OFFSET		30° OFFSET		2° OFFSET		15° OFFSET		30° OFFSET	
	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)
20 6.10	78.5	12,700 5 761										20 6.10
25 7.62	75.5	11,500 5 216	79.0	8,800 3 992			77.5	4,900 2 223				25 7.62
30 9.14	72.5	10,600 4 808	76.0	8,200 3 720	79.0	6,100 2 767	75.5	4,700 2 132				30 9.14
35 10.67	69.5	9,600 4 355	73.0	7,500 3 402	76.0	5,700 2 586	73.0	4,500 2 041	78.0	4,000 1 814		35 10.67
40 12.19	66.0	8,700 3 946	69.5	6,900 3 130	72.5	5,400 2 449	70.0	4,300 1 950	75.5	3,900 1 769		40 12.19
45 13.72	63.0	8,000 3 629	66.0	6,400 2 903	69.0	5,100 2 313	67.5	4,100 1 860	72.5	3,700 1 678	77.5	3,000 1 361
50 15.24	59.5	7,400 3 357	62.5	5,900 2 676	65.5	4,800 2 177	65.0	3,900 1 769	70.0	3,500 1 588	74.5	2,900 1 315
55 16.76	56.0	6,500 2 948	59.0	5,300 2 404	62.0	4,500 2 041	62.0	3,800 1 724	67.0	3,300 1 497	71.5	2,700 1 225
60 18.29	52.0	5,400 2 449	55.0	4,900 2 223	58.0	4,200 1 905	59.5	3,700 1 678	64.0	3,100 1 406	68.5	2,600 1 179
65 19.81	48.0	4,500 2 041	51.0	4,500 2 041	53.5	3,900 1 769	56.5	3,500 1 588	61.0	2,900 1 315	65.5	2,500 1 134
70 21.34	43.5	3,700 1 678	46.5	3,900 1 769	49.0	3,600 1 633	53.5	3,200 1 452	58.0	2,800 1 270	62.5	2,400 1 089
75 22.86	38.5	3,000 1 361	41.5	3,200 1 452	44.0	3,400 1 542	50.0	3,000 1 361	54.5	2,600 1 179	59.0	2,300 1 043
80 24.38	33.0	2,500 1 134	36.0	2,600 1 179	37.5	2,700 1 225	46.5	2,800 1 270	51.0	2,500 1 134	55.0	2,200 998
85 25.91	26.5	2,000 907	29.0	2,100 953	30.0	2,100 953	43.0	2,700 1 225	47.5	2,400 1 089	51.0	2,100 953
90 27.43	17.5	1,600 726	19.5	1,600 726	17.0	1,600 726	38.5	2,300 1 043	43.0	2,300 1 043	46.5	2,000 907
95 28.96							34.0	2,000 907	38.5	2,200 998	41.5	2,000 907
100 30.48							28.5	1,600 726	33.0	1,800 816	35.5	1,900 862
105 32.00									25.5	1,400 635	26.0	1,400 635
Warning: Do not lower 25' offset telescoping fly in working position below 12° unless main boom length is 68' or less, since loss of stability will occur causing a tipping condition.							Warning: Do not lower 43' offset telescoping fly in working position below 20° unless main boom is 65' or less, since loss of stability will occur causing a tipping condition.					

Drum wire rope capacities

Wire Rope Layer	Capacity		Capacity	
	Rope Per Layer		Total Wire Rope	
	Feet	Meters	Feet	Meters
1	62	18.90	62	18.90
2	69	21.03	131	39.93
3	76	23.16	206	62.79
4	82	25.00	289	88.09
5	89	27.13	378	115.21

Capacity Deductions for Auxiliary Load Handling Equipment. Lifting from Main Boom with:

Aux. Equipment	Deduct
Aux. Head Attached	125 lbs. (56.70 kg)
25' (7.62m) Fixed Fly Stowed On Base	300 lbs. (136.08 kg)
25' (7.62m) Fixed Fly Erected But Unused	1,000 lbs. (453.60 kg)
25' (7.62m) Offset Fly Stowed On Base	500 lbs. (226.80 kg)
25' (7.62m) Offset Fly Erected But Unused	2,200 lbs. (997.92 kg)
25' - 43' (7.62m - 13.11m) Offset Telescoping Fly Stowed On Base	750 lbs. (340.20 kg)
25' - 43' (7.62m - 13.11m) Offset Telescoping Fly Erected But Unused (retracted)	2,900 lbs. (1315.44 kg)
25' - 43' (7.62m - 13.11m) Offset Telescoping Fly Erected But Unused (extended)	3,900 lbs. (1769.04 kg)

GENERAL INFORMATION ONLY



GENERAL INFORMATION ONLY

Link-Belt
CONSTRUCTION EQUIPMENT**RTC-8028 Lifting Capacities**

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - Outriggers Fully Extended

Outriggers Fully Extended													
25' - 43' (7.62m - 13.11m) Offset Telescoping Fly + 91' (27.74m) Main Boom													
LOAD RADIUS (ft./m)	25' (7.62m) Fly						43' (13.11m) Fly						LOAD RADIUS (ft./m)
	2° OFFSET		15° OFFSET		30° OFFSET		2° OFFSET		15° OFFSET		30° OFFSET		
	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	
25 7.62	79.5	9,900 4 491											25 7.62
30 9.14	77.0	8,700 3 946	80.0	8,000 3 629									30 9.14
35 10.67	75.0	7,700 3 493	77.5	7,000 3 175	80.0	6,000 2 722	78.0	4,900 2 223					35 10.67
40 12.19	72.5	6,900 3 130	75.0	6,200 2 812	77.5	5,500 2 495	75.5	4,700 2 132	79.0	4,000 1 814			40 12.19
45 13.72	70.0	6,100 2 767	72.5	5,500 2 495	75.0	5,000 2 268	73.5	4,500 2 041	77.5	3,900 1 769			45 13.72
50 15.24	67.0	5,500 2 495	70.0	4,900 2 223	72.5	4,500 2 041	71.5	4,300 1 950	75.5	3,700 1 678	79.0	3,100 1 406	50 15.24
55 16.76	64.5	4,900 2 223	67.0	4,500 2 041	69.5	4,100 1 860	69.0	3,900 1 769	73.0	3,400 1 542	77.0	3,000 1 361	55 16.76
60 18.29	61.5	4,400 1 996	64.0	4,000 1 814	66.5	3,700 1 678	66.5	3,500 1 588	70.5	3,100 1 406	74.5	2,800 1 270	60 18.29
65 19.81	58.5	4,000 1 814	61.0	3,700 1 678	63.5	3,400 1 542	64.5	3,100 1 406	68.0	2,800 1 270	72.0	2,600 1 179	65 19.81
70 21.34	55.5	3,600 1 633	58.0	3,400 1 542	60.5	3,200 1 452	62.0	2,800 1 270	65.5	2,600 1 179	69.5	2,400 1 089	70 21.34
75 22.86	52.0	3,200 1 452	55.0	3,100 1 406	57.0	2,900 1 315	59.0	2,500 1 134	63.0	2,300 1 043	66.5	2,200 998	75 22.86
80 24.38	49.0	2,800 1 270	51.5	2,800 1 270	53.5	2,700 1 225	56.5	2,300 1 043	60.5	2,100 953	64.0	2,000 907	80 24.38
85 25.91	45.0	2,400 1 089	48.0	2,500 1 134	49.5	2,500 1 134	54.0	2,000 907	58.0	2,000 907	61.0	1,800 816	85 25.91
90 27.43	41.0	1,900 862	44.0	2,100 953	45.5	2,200 998	51.0	1,700 771	54.5	1,700 771	58.0	1,700 771	90 27.43
95 28.96	37.0	1,600 726	39.5	1,700 771	41.0	1,800 816	48.0	1,500 680	51.5	1,600 726	54.5	1,600 726	95 28.96
100 30.48	32.0	1,200 544	34.5	1,300 590	35.5	1,400 635	45.0	1,300 590	48.5	1,400 635	51.5	1,400 635	100 30.48
105 32.00							41.0	1,100 499	45.0	1,200 544	48.0	1,200 544	105 32.00
110 33.53							37.5	900 408	41.0	1,000 454	43.5	1,100 499	110 33.53
115 35.05									37.0	900 408	39.0	900 408	115 35.05
Warning: Do not lower 25' offset telescoping fly in working position below 32° unless main boom length is 76' or less, since loss of stability will occur causing a tipping condition.							Warning: Do not lower 43' offset telescoping fly in working position below 36° unless main boom is 72' or less, since loss of stability will occur causing a tipping condition.						

Line Speeds and Pulls

Wire Rope	1M Main or Auxiliary Winch 10-5/8" (.27m) diameter drum				2M Main or Auxiliary Winch 10-5/8" (.27m) diameter drum			
	Line Speeds		Available Line Pulls		Speed		Line Speeds	
	(fpm)	(m/min)	(lbs.)	(kgs)			(fpm)	(m/min)
1	159	48.46	10,547	4 748	Low	162	49.38	10,360
					High	270	82.30	5,744
2	176	53.64	9,492	4 305	Low	180	54.86	9,325
					High	300	91.44	5,170
3	194	59.13	8,630	3 915	Low	197	60.05	8,477
					High	330	100.58	4,700
4	212	64.62	7,911	3 588	Low	215	65.53	7,771
					High	360	109.73	4,309
5	229	69.80	7,302	3 212	Low	233	71.02	7,174
					High	390	118.87	3,977

Hydraulic Circuit
Pressure Settings

Function	Pressure
Winch	3500 PSI 24 132 kPa
Outriggers	2500 PSI 17 237 kPa
Boom Hoist	3000 PSI 20 684 kPa
Telescope	2500 PSI 17 237 kPa
Swing	1900 PSI 13 100 kPa
Steering	2500 PSI 17 237 kPa
Hydraulic Controllers	500 PSI 3 447 kPa

**RTC-8028 Lifting Capacities**

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - Intermediate (half extended) Outriggers

Intermediate outriggers																
28.75' to 70.25' (8.76m - 21.41m) Main Boom with Manual Retracted																
LOAD RADIUS (ft./m)	28.75' (8.76m)		35' (10.67m)		40' (12.19m)		46' (14.02m)		52' (15.85m)		58' (17.68m)		64' (19.51m)		70.25' (21.41m)	LOAD RADIUS (ft./m)
	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)		
10 3.05	66.0	56,000 25 401	70.5	48,600 22 045	73.5	47,800 21 682	76.0	47,200 21 410	78.0	46,800 21 228					10 3.05	
12 3.66	61.5	54,000 22 680	67.0	48,600 22 045	70.5	47,800 21 682	73.5	47,200 21 410	76.0	43,800 19 868	77.5	40,200 18 235			12 3.66	
15 4.57	54.5	37,100 16 829	61.5	37,100 16 829	65.5	37,100 16 829	69.5	37,100 16 829	72.5	37,100 16 829	74.5	34,900 15 831	76.5	32,100 14 561	15 4.57	
20 6.10	40.5	21,100 9 571	51.5	21,100 9 571	57.5	21,100 9 571	62.5	21,100 9 571	66.0	21,100 9 571	69.0	21,100 9 571	71.5	21,100 9 571	20 6.10	
25 7.62	20.5	13,900 6 305	40.0	13,900 6 305	48.0	13,900 6 305	55.0	13,900 6 305	59.5	13,900 6 305	63.5	13,900 6 305	66.5	13,900 6 305	25 7.62	
30 9.14			24.5	9,900 4 491	37.5	9,900 4 491	46.5	9,900 4 491	53.0	9,900 4 491	57.5	9,900 4 491	61.5	9,900 4 491	30 9.14	
35 10.67					22.5	7,400 3 357	37.0	7,400 3 357	45.5	7,400 3 357	51.5	7,400 3 357	56.0	7,400 3 357	35 10.67	
40 12.19							24.5	5,700 2 586	37.0	5,700 2 586	44.5	5,700 2 586	50.0	5,700 2 586	40 12.19	
45 13.72									26.0	4,400 1 996	36.5	4,400 1 996	44.0	4,400 1 996	45 13.72	
50 15.24											27.0	3,400 1 542	36.5	3,400 1 542	50 15.24	
55 16.76													28.0	2,600 1 179	55 16.76	
60 18.29													15.0	1,900 862	60 18.29	
65 19.81														18.5	1,400 635	65 19.81
0° Angle Capacity		6,900 3 130		4,600 2 087		3,500 1 588		2,500 1 134		1,800 816		1,300 590		900 408	Minimum boom angle degree for no load: 18.5°	

Intermediate Outriggers							
LOAD RADIUS (ft./m)	Manual Extended		25' (7.62m) Fly Manual Retracted		25' (7.62m) Fly Manual Extended		LOAD RADIUS (ft./m)
	91' (27.74m)		95.25' (29.03m)		116' (35.36m)		
	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	
20 6.10	79.0	18,600 8 437	78.5	16,200 7 348			20 6.10
25 7.62	75.5	15,000 6 804	75.5	13,900 6 305			25 7.62
30 9.14	72.0	10,900 4 944	72.5	11,000 4 990	77.5	10,300 4 672	30 9.14
35 10.67	68.5	8,400 3 810	69.0	8,500 3 856	74.5	8,800 3 992	35 10.67
40 12.19	64.5	6,500 2 948	65.5	6,600 2 994	72.0	7,000 3 175	40 12.19
45 13.72	61.0	5,200 2 359	62.0	5,300 2 404	69.0	5,700 2 586	45 13.72
50 15.24	57.0	4,200 1 905	58.0	4,300 1 950	66.0	4,600 2 087	50 15.24
55 16.76	53.0	3,400 1 542	54.5	3,500 1 588	63.0	3,800 1 724	55 16.76
60 18.29	49.0	2,700 1 225	50.5	2,800 1 270	60.0	3,100 1 406	60 18.29
65 19.81	44.5	2,100 953	46.0	2,200 998	57.0	2,600 1 179	65 19.81
70 21.34	39.5	1,700 771	41.5	1,800 816	54.0	2,100 953	70 21.34
75 22.86	34.0	1,300 590	37.0	1,400 635	50.5	1,700 771	75 22.86
80 24.38			31.0	1,100 499	47.0	1,400 635	80 24.38
85 25.91					43.5	1,100 499	85 25.91
See note A this page.		See note B this page.		See note C this page.			

GENERAL INFORMATION ONLY

NOTE A: Minimum boom angle for no load: 34°

NOTE B: Warning: do not lower 25' fixed fly in working position below 31° unless main boom length is 59' or less, since loss of stability will occur causing a tipping condition.

NOTE C: Warning: do not lower 25' fixed fly in working position below 43° unless main boom length is 69' or less, since loss of stability will occur causing a tipping condition. Minimum boom angle for no load: 34°



RTC-8028 Lifting Capacities

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - Intermediate (half extended) Outriggers

Intermediate Outriggers													
LOAD RADIUS (ft./m)	25' (7.62m) Fly - Manual Retracted						25' (7.62m) Fly - Manual Extended						LOAD RADIUS (ft./m)
	2° OFFSET		15° OFFSET		30° OFFSET		2° OFFSET		15° OFFSET		30° OFFSET		
	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	
20 6.10	78.5	13,000 5 897											20 6.10
25 7.62	75.5	11,900 5 398	79.0	9,100 4 128			79.5	10,300 4 672					25 7.62
30 9.14	72.5	10,800 4 899	76.0	8,500 3 856	79.0	6,400 2 903	77.0	9,100 4 128	80.0	8,400 3 810			30 9.14
35 10.67	69.0	8,300 3 765	73.0	7,800 3 538	76.0	6,000 2 722	75.0	8,100 3 674	77.5	7,400 3 357	80.0	6,400 2 903	35 10.67
40 12.19	65.5	6,400 2 903	69.5	6,900 3 130	72.5	5,700 2 586	72.5	6,800 3 084	75.0	6,600 2 994	77.5	5,900 2 676	40 12.19
45 13.72	62.0	5,100 2 313	66.0	5,500 2 495	69.5	5,400 2 449	70.0	5,400 2 449	72.5	5,800 2 631	75.0	5,300 2 404	45 13.72
50 15.24	58.5	4,000 1 814	62.0	4,400 1 996	65.5	4,700 2 132	67.0	4,400 1 996	70.0	4,700 2 132	72.5	4,900 2 223	50 15.24
55 16.76	55.0	3,200 1 452	58.5	3,500 1 588	61.5	3,800 1 724	64.0	3,500 1 588	67.0	3,800 1 724	69.5	4,100 1 860	55 16.76
60 18.29	51.0	2,500 1 134	54.5	2,800 1 270	57.5	3,000 1 361	61.0	2,900 1 315	64.0	3,100 1 406	66.5	3,400 1 542	60 18.29
65 19.81	47.0	2,000 907	50.0	2,200 998	53.0	2,400 1 089	58.0	2,300 1 043	61.0	2,500 1 134	63.5	2,800 1 270	65 19.81
70 21.34	42.5	1,500 680	45.5	1,700 771	48.0	1,900 862	54.5	1,800 816	57.5	2,000 907	60.5	2,200 998	70 21.34
75 22.86	37.5	1,100 499	40.5	1,300 590	43.0	1,400 635	51.5	1,400 635	54.5	1,600 726	57.0	1,800 816	75 22.86
80 24.38					37.0	1,000 454	48.0	1,100 499	50.5	1,200 544	53.0	1,400 635	80 24.38
85 25.91							44.0	800 363	47.0	900 408	49.0	1,000 454	85 25.91
Warning: do not lower 25° offset fly in working position below 37° unless main boom length is 55' or less, since loss of stability will occur causing a tipping condition.							Warning: do not lower 25° offset fly in working position below 47° unless main boom length is 65' or less, since loss of stability will occur causing a tipping condition.						

GENERAL INFORMATION ONLY

Intermediate Outriggers													
25'- 43' (7.62m - 13.11m) Offset Telescoping Fly + 70.25' (21.41m) Main Boom with Manual Retracted													
LOAD RADIUS (ft./m)	25' (7.62m) Fly						43' (13.11m) Fly						LOAD RADIUS (ft./m)
	2° OFFSET		15° OFFSET		30° OFFSET		2° OFFSET		15° OFFSET		30° OFFSET		
	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	
20 6.10	78.5	12,700 5 761											20 6.10
25 7.62	75.5	11,500 5 216	79.0	8,800 3 992			77.5	4,900 2 223					25 7.62
30 9.14	72.5	10,500 4 763	76.0	8,200 3 720	79.0	6,100 2 767	75.5	4,700 2 132					30 9.14
35 10.67	69.0	8,000 3 629	73.0	7,500 3 402	76.0	5,700 2 586	73.0	4,500 2 041	78.0	4,000 1 814			35 10.67
40 12.19	65.5	6,100 2 767	69.5	6,600 2 994	72.5	5,400 2 449	70.0	4,300 1 950	75.5	3,900 1 769			40 12.19
45 13.72	62.5	4,800 2 177	66.0	5,200 2 359	69.0	5,100 2 313	67.5	4,100 1 860	72.5	3,700 1 678	77.5	3,000 1 361	45 13.72
50 15.24	58.5	3,700 1 678	62.0	4,100 1 860	65.5	4,500 2 041	65.0	3,900 1 769	70.0	3,500 1 588	74.5	2,900 1 315	50 15.24
55 16.76	55.0	2,900 1 315	58.5	3,200 1 452	61.5	3,500 1 588	62.0	3,600 1 633	67.0	3,300 1 497	71.5	2,700 1 225	55 16.76
60 18.29	51.0	2,200 998	54.5	2,500 1 134	57.5	2,700 1 225	59.0	2,900 1 315	64.0	3,100 1 406	68.5	2,600 1 179	60 18.29
65 19.81	47.0	1,700 771	50.0	1,900 862	53.0	2,100 953	56.0	2,400 1 089	61.0	2,800 1 270	65.5	2,500 1 134	65 19.81
70 21.34	42.5	1,200 544	45.5	1,400 635	48.0	1,600 726	52.5	1,900 862	57.5	2,200 998	62.5	2,400 1 089	70 21.34
75 22.86			40.5	1,000 454	43.0	1,100 499	49.5	1,500 680	54.0	1,800 816	58.5	2,100 953	75 22.86
80 24.38							45.5	1,100 499	50.5	1,400 635	55.0	1,600 726	80 24.38
85 25.91									46.5	1,100 499	50.5	1,300 590	85 25.91
90 27.43											46.0	900 408	90 27.43
Warning: do not lower 25' offset fly in working position below 40° unless main boom length is 51' or less, since loss of stability will occur causing a tipping condition.													
Warning: do not lower 43' offset fly in working position below 45° unless main boom length is 48' or less, since loss of stability will occur causing a tipping condition.													



GENERAL INFORMATION ONLY

RTC-8028 Lifting Capacities

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - Intermediate (half extended) Outriggers

Intermediate Outriggers												
25' - 43' (7.62m - 13.11m) Offset Telescoping Fly + 91' (27.74m) Main Boom												
LOAD RADIUS (ft./m)	25' (7.62m) Fly						43' (13.11m) Fly					
	2° OFFSET		15° OFFSET		30° OFFSET		2° OFFSET		15° OFFSET		30° OFFSET	
	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)	LOADED BOOM ANGLE (deg.)	LOAD (lbs./kgs)
25 7.62	79.5	9,900 4 491										25 7.62
30 9.14	77.0	8,700 3 946	80.0	8,000 3 629								30 9.14
35 10.67	75.0	7,700 3 493	77.5	7,000 3 175	80.0	6,000 2 722	78.0	4,900 2 223				35 10.67
40 12.19	72.5	6,500 2 948	75.0	6,200 2 812	77.5	5,500 2 495	75.5	4,700 2 132	79.0	4,000 1 814		40 12.19
45 13.72	70.0	5,100 2 313	72.5	5,500 2 495	75.0	5,000 2 268	73.5	4,500 2 041	77.5	3,900 1 769		45 13.72
50 15.24	67.0	4,000 1 814	70.0	4,400 1 996	72.5	4,500 2 041	71.5	4,300 1 950	75.5	3,700 1 678	79.0	3,100 1 406
55 16.76	64.0	3,200 1 452	67.0	3,500 1 588	69.5	3,800 1 724	69.0	3,800 1 724	73.0	3,400 1 542	77.0	3,000 1 361
60 18.29	61.0	2,500 1 134	64.0	2,800 1 270	66.5	3,100 1 406	66.5	3,100 1 406	70.5	3,100 1 406	74.5	2,800 1 270
65 19.81	58.0	2,000 907	61.0	2,200 998	63.5	2,500 1 134	64.5	2,500 1 134	68.0	2,800 1 270	72.0	2,600 1 179
70 21.34	54.5	1,500 680	57.5	1,700 771	60.5	1,900 862	61.5	2,000 907	65.5	2,400 1 089	69.5	2,400 1 089
75 22.86	51.5	1,100 499	54.5	1,300 590	57.0	1,500 680	59.0	1,600 726	63.0	2,000 907	66.5	2,200 998
80 24.38			50.5	900 408	53.0	1,100 499	56.0	1,300 590	60.5	1,600 726	64.0	1,900 862
85 25.91							53.5	1,000 454	58.0	1,200 544	61.0	1,500 680
90 27.43									54.5	900 408	58.0	1,200 544
95 28.96											54.5	900 408

Warning: do not lower 25' offset fly in working position below 50° unless main boom length is 60' or less, since loss of stability will occur causing a tipping condition. Warning: do not lower 43' offset fly in working position below 52° unless main boom length is 57' or less, since loss of stability will occur causing a tipping condition.

28.75' - 91' (8.76m - 27.74m) 4-section boom - Outriggers Fully Retracted

Outriggers Fully Retracted																			
LOAD RADIUS (ft./m)	28.75' - 70.25' (8.76m - 21.41m) Main Boom with Manual Retracted																Manual Extended		
	28.75' (8.76m)		35' (10.67m)		40' (12.19m)		46' (14.02m)		52' (15.85m)		58' (17.68m)		64' (19.51m)		70.25' (21.41m)		91' (27.74m)		
	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOAD RADIUS (ft./m)
10 3.05	66.0	34,100 15 468	70.5	34,100 15 468	73.0	34,100 15 468	75.5	34,000 15 422	77.5	34,000 15 422									10 3.05
12 3.66	61.5	24,300 11 022	67.0	24,300 11 022	70.0	24,300 11 022	73.0	24,300 11 022	75.5	24,300 11 022	77.0	24,300 11 022							12 3.66
15 4.57	54.0	16,400 7 439	61.5	16,400 7 439	65.5	16,400 7 439	69.0	16,400 7 439	71.5	16,400 7 439	74.0	16,400 7 439	75.5	16,400 7 439	77.5	16,400 7 439			15 4.57
20 6.10	40.5	9,800 4 445	51.5	9,800 4 445	57.0	9,800 4 445	62.0	9,800 4 445	65.5	9,800 4 445	68.5	9,800 4 445	71.0	9,800 4 445	73.0	9,800 4 445	78.0	10,700 4 854	20 6.10
25 7.62	20.5	6,400 2 903	40.0	6,400 2 903	48.0	6,400 2 903	54.5	6,400 2 903	59.5	6,400 2 903	63.0	6,400 2 903	66.0	6,400 2 903	68.5	6,400 2 903	74.5	7,300 3 311	25 7.62
30 9.14			24.0	4,300 1 950	37.5	4,300 1 950	46.5	4,300 1 950	52.5	4,300 1 950	57.0	4,300 1 950	61.0	4,300 1 950	64.0	4,300 1 950	71.0	5,200 2 359	30 9.14
35 10.67					22.5	2,900 1 315	37.0	2,900 1 315	45.0	2,900 1 315	51.0	2,900 1 315	55.5	2,900 1 315	59.0	2,900 1 315	67.5	3,800 1 724	35 10.67
40 12.19							24.5	2,000 907	36.5	2,000 907	44.0	2,000 907	49.5	2,000 907	54.0	2,000 907	64.0	2,800 1 270	40 12.19
45 13.72									26.0	1,200 544	36.5	1,200 544	43.5	1,200 544	49.0	1,200 544	60.5	2,000 907	45 13.72
50 15.24																	56.5	1,400 635	50 15.24
0° angle capacity		3,200 1 452		1,900 862		1,200 544	17.0	0	26.0	0	36.0	0	43.5	0	49.0	0	56.0	0	
Minimum boom angle for no load																			



GENERAL INFORMATION ONLY

Link-Belt
CONSTRUCTION EQUIPMENT**RTC-8028 Lifting Capacities**

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - On Rubber Capacities

On Rubber Capacities with 20.5 x 25 Tires																	
Tire Pressure (0-1 mph) : 80 psi																	
Pick & Carry Capacities - creep - Boom Centered over Front																	
4-Section Boom																	
LOAD RADIUS (ft./m)	Main Boom Length																LOAD RADIUS (ft./m)
	28.75' (8.76m)		35' (10.67m)		40' (12.19m)		46' (14.02m)		52' (15.85m)		58' (17.68m)		64' (19.51m)		70.25' (21.41m)		
	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	
10 3.05	66.0	34,800 15 785	70.5	34,700 15 740													10 3.05
12 3.66	61.5	30,000 13 608	67.0	30,000 13 608	70.5	29,900 13 563											12 3.66
15 4.57	54.5	24,700 11 204	61.5	24,700 11 204	66.0	24,700 11 204	69.5	24,600 11 159									15 4.57
20 6.10	40.5	18,600 8 437	52.0	18,600 8 437	57.5	18,600 8 437	62.5	18,600 8 437	66.5	18,600 8 437	69.5	18,600 8 437					20 6.10
25 7.62	20.5	14,400 6 532	40.0	14,400 6 532	48.5	14,400 6 532	55.0	14,400 6 532	60.0	14,400 6 532	64.0	14,400 6 532	67.0	14,400 6 532			25 7.62
30 9.14			24.5	11,200 5 080	37.5	11,200 5 080	47.0	11,200 5 080	53.5	11,200 5 080	58.0	11,200 5 080	62.0	11,200 5 080	65.5	11,200 5 080	30 9.14
35 10.67					23.0	8,400 3 810	37.5	8,400 3 810	46.0	8,400 3 810	52.0	8,400 3 810	56.5	8,400 3 810	60.5	8,400 3 810	35 10.67
40 12.19							25.0	6,500 2 948	37.5	6,500 2 948	45.0	6,500 2 948	51.0	6,500 2 948	55.5	6,500 2 948	40 12.19
45 13.72									26.5	5,100 2 313	37.5	5,100 2 313	44.5	5,100 2 313	50.0	5,100 2 313	45 13.72
50 15.24											27.5	4,000 1 814	37.5	4,000 1 814	44.5	4,000 1 814	50 15.24
55 16.76													28.5	3,100 1 406	37.5	3,100 1 406	55 16.76
60 18.29													16.0	2,400 1 089	30.0	2,400 1 089	60 18.29
65 19.81															19.5	1,800 816	65 19.81
Minimum boom angle for no load: 0°																	

Minimum boom angle for no load: 0°

On Rubber Capacities with 20.5 x 25 Tires																	
Tire Pressure: 80 psi																	
Stationary Capacities - 360°																	
4-Section Boom																	
LOAD RADIUS (ft./m)	Main Boom Length															LOAD RADIUS (ft./m)	
	28.75' (8.76m)		35' (10.67m)		40' (12.19m)		46' (14.02m)		52' (15.85m)		58' (17.68m)		64' (19.51m)		70.25' (21.41m)		
	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)		360° (lbs./kgs)
10 3.05	66.0	19,000 8 618	70.5	19,000 8 618	73.5	18,900 8 573											10 3.05
12 3.66	61.5	15,800 7 167	67.0	15,800 7 167	70.5	15,800 7 167	73.5	15,800 7 167									12 3.66
15 4.57	54.5	12,300 5 579	61.5	12,300 5 579	66.0	12,300 5 579	69.5	12,300 5 579	72.5	12,300 5 579							15 4.57
20 6.10	40.5	8,400 3 810	52.0	8,400 3 810	57.5	8,400 3 810	62.5	8,400 3 810	66.5	8,400 3 810	69.5	8,400 3 810					20 6.10
25 7.62	20.5	5,400 2 449	40.0	5,400 2 449	48.5	5,400 2 449	55.0	5,400 2 449	60.0	5,400 2 449	64.0	5,400 2 449	67.0	5,400 2 449	70.0	5,400 2 449	25 7.62
30 9.14			24.5	3,600 1 633	37.5	3,600 1 633	47.0	3,600 1 633	53.5	3,600 1 633	58.0	3,600 1 633	62.0	3,600 1 633	65.5	3,600 1 633	30 9.14
35 10.67					23.0	2,300 1 043	37.5	2,300 1 043	46.0	2,300 1 043	52.0	2,300 1 043	56.5	2,300 1 043	60.5	2,300 1 043	35 10.67
40 12.19							25.0	1,400 635	37.5	1,400 635	45.0	1,400 635	51.0	1,400 635	55.5	1,400 635	40 12.19
Min. Boom angle for no load	0		0		0		25.0		37.0		45.0		50.0		55.0		



GENERAL INFORMATION ONLY

RTC-8028 Lifting Capacities

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - On Rubber Capacities

On Rubber Capacities with 20.5 x 25 Tires

Tire Pressure (0-1 mph) : 80 psi
 Stationary Capacities - Between Tracks Over Front
 4-Section Boom

LOAD RADIUS (ft./m)	Main Boom Length															LOAD RADIUS (ft./m)	
	28.75' (8.76m)		35' (10.67m)		40' (12.19m)		46' (14.02m)		52' (15.85m)		58' (17.68m)		64' (19.51m)		70.25' (21.41m)		
	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	
10 3.05	66.0	35,900 16 284	70.5	35,900 16 284	73.5	35,800 16 239											10 3.05
12 3.66	61.5	31,600 14 334	67.0	31,500 14 289	70.5	31,500 14 289	73.5	31,400 14 243									12 3.66
15 4.57	54.5	26,600 12 066	61.5	26,500 12 020	66.0	26,500 12 020	69.5	26,500 12 020	72.5	26500 12 020							15 4.57
20 6.10	40.5	20,500 9 299	52.0	20,500 9 299	57.5	20,500 9 299	62.5	20,500 9 299	66.5	20,500 9 299	69.5	20,500 9 299					20 6.10
25 7.62	20.5	15,600 7 076	40.0	15,600 7 076	48.5	15,600 7 076	55.0	15,600 7 076	60.0	15,600 7 076	64.0	15,600 7 076	67.0	15600 7 076	70.0	15,600 7 076	25 7.62
30 9.14			24.5	11,200 5 080	37.5	11,200 5 080	47.0	11,200 5 080	53.5	11,200 5 080	58.0	11,200 5 080	62.0	11,200 5 080	65.5	11,200 5 080	30 9.14
35 10.67					23.0	8,400 3 810	37.5	8,400 3 810	46.0	8,400 3 810	52.0	8,400 3 810	56.5	8,400 3 810	60.5	8,400 3 810	35 10.67
40 12.19							25.0	6,500 2 948	37.5	6,500 2 948	45.0	6,500 2 948	51.0	6,500 2 948	55.5	6,500 2 948	40 12.19
45 13.72									26.5	5,100 2 313	37.5	5,100 2 313	44.5	5,100 2 313	50.0	5,100 2 313	45 13.72
50 15.24											27.5	4,000 1 814	37.5	4,000 1 814	44.5	4,000 1 814	50 15.24
55 16.76													28.5	3,100 1 406	37.5	3,100 1 406	55 16.76
60 18.29													16.0	2,400 1 089	30.0	2,400 1 089	60 18.29
65 19.81															19.5	1,800 816	65 19.81
Minimum boom angle for no load: 0°																	

Minimum boom angle for no load: 0°

On Rubber Capacities with 23.5 x 25 Tires

Tire Pressure (0-1 mph) : 70 psi
 Pick & Carry Capacities - Creep - Boom Centered Over Front
 4-Section Boom

LOAD RADIUS (ft./m)	Main Boom Length																LOAD RADIUS (ft./m)
	28.75' (8.76m)		35' (10.67m)		40' (12.19m)		46' (14.02m)		52' (15.85m)		58' (17.68m)		64' (19.51m)		70.25' (21.41m)		
	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	
10 3.05	66.0	43,500 19 732															10 3.05
12 3.66	61.5	37,800 17 146	67.0	37,700 17 101													12 3.66
15 4.57	54.5	31,300 14 198	61.5	31,300 14 198	66.0	31,200 14 152											15 4.57
20 6.10	40.5	23,800 10 796	52.0	23,800 10 796	57.5	23,800 10 796	62.5	23,800 10 796									20 6.10
25 7.62	20.5	15,700 7 122	40.0	15,700 7 122	48.5	15,700 7 122	55.0	15,700 7 122	60.0	15,700 7 122	64.0	15,700 7 167					25 7.62
30 9.14			24.5	11,300 5 126	37.5	11,300 5 126	47.0	11,300 5 126	53.5	11,300 5 126	58.0	11,300 5 126	62.0	11,300 5 126	65.5	11,300 5 126	30 9.14
35 10.67					23.0	8,500 3 856	37.5	8,500 3 856	46.0	8,500 3 856	52.0	8,500 3 856	56.5	8,500 3 856	60.5	8,500 3 856	35 10.67
40 12.19							25.0	6,500 2 948	37.5	6,500 2 948	45.0	6,500 2 948	51.0	6,500 2 948	55.5	6,500 2 948	40 12.19
45 13.72									26.5	5,100 2 313	37.5	5,100 2 313	44.5	5,100 2 313	50.0	5,100 2 313	45 13.72
50 15.24											27.5	4,000 1 814	37.5	4,000 1 814	44.5	4,000 1 814	50 15.24
55 16.76													28.5	3,100 1 406	37.5	3,100 1 406	55 16.76
60 18.29													16.0	2,400 1 089	30.0	2,400 1 089	60 18.29
65 19.81															19.5	1,800 816	65 19.81
Minimum boom angle for no load: 0°																	

Minimum boom angle for no load: 0°

RTC-8028 Lifting Capacities

Refer to Operating Instructions page 12

28.75' - 91' (8.76m - 27.74m) 4-section boom - On Rubber Capacities

On Rubber Capacities with 23.5 x 25 Tires																	
Tire Pressure: 70 psi																	
Stationary Capacities - 360°																	
4-Section Boom																	
LOAD RADIUS (ft./m)	Main Boom Length															LOAD RADIUS (ft./m)	
	28.75' (8.76m)		35' (10.67m)		40' (12.19m)		46' (14.02m)		52' (15.85m)		58' (17.68m)		64' (19.51m)		70.25' (21.41m)		
	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)	360° (lbs./kgs)	LOADED BOOM ANGLE (deg.)		360° (lbs./kgs)
10 3.05	66.0	24,900 11 295	70.5	24,800 11 249	73.5	24,800 11 249										10 3.05	
12 3.66	61.5	20,900 9 480	67.0	20,900 9 480	70.5	20,900 9 480	73.5	20,800 9 435								12 3.66	
15 4.57	54.5	14,200 6 441	61.5	14,200 6 441	66.0	14,200 6 441	69.5	14,200 6 441	72.5	14,200 6 441						15 4.57	
20 6.10	40.5	8,500 3 856	52.0	8,500 3 856	57.5	8,500 3 856	62.5	8,500 3 856	66.5	8,500 3 856	69.5	8,500 3 856				20 6.10	
25 7.62	20.5	5,400 2 449	40.0	5,400 2 449	48.5	5,400 2 449	55.0	5,400 2 449	60.0	5,400 2 449	64.0	5,400 2 449	67.0	5,400 2 449	70.0	5,400 2 449	25 7.62
30 9.14			24.5	3,600 1 633	37.5	3,600 1 633	47.0	3,600 1 633	53.5	3,600 1 633	58.0	3,600 1 633	62.0	3,600 1 633	65.5	3,600 1 633	30 9.14
35 10.67					23.0	2,300 1 043	37.5	2,300 1 043	46.0	2,300 1 043	52.0	2,300 1 043	56.5	2,300 1 043	60.5	2,300 1 043	35 10.67
40 12.19							25.0	1,500 680	37.5	1,500 680	45.0	1,500 680	51.0	1,500 680	55.5	1,500 680	40 12.19
Min. Boom angle for no load	0		0		0		25.0		37.0		45.0		51.0		55.0		

On Rubber Capacities with 23.5 x 25 Tires																	
Tire Pressure (0-1 mph) : 70 psi																	
Stationary Capacities - Between Tracks Over Front																	
4-Section Boom																	
LOAD RADIUS (ft./m)	Main Boom Length															LOAD RADIUS (ft./m)	
	28.75' (8.76m)		35' (10.67m)		40' (12.19m)		46' (14.02m)		52' (15.85m)		58' (17.68m)		64' (19.51m)		70.25' (21.41m)		
	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)	OVER FRONT (lbs./kgs)	LOADED BOOM ANGLE (deg.)		OVER FRONT (lbs./kgs)
10	66.0	44,300	70.5	44,200	73.5	44,100										10	
3.05		20 094		20 049		20 004										3.05	
12	61.5	39,100	67.0	39,000	70.5	39,000	73.5	38,900								12	
3.66		17 736		17 690		17 690		17 645								3.66	
15	54.5	32,300	61.5	32,300	66.0	32,300	69.5	32,200	72.5	32,100						15	
4.57		14 651		14 651		14 651		14 606		14 561						4.57	
20	40.5	23,800	52.0	23,800	57.5	23,800	62.5	23,800	66.5	23,800						20	
6.10		10 796		10 796		10 796		10 796		10 796						6.10	
25	20.5	15,700	40.0	15,700	48.5	15,700	55.0	15,700	60.0	15,700	64.0	15,700	67.0	15,700	70.0	15,700	
7.62		7 122		7 122		7 122		7 122		7 122		7 122		7 122		7.62	
30			24.5	11,300	37.5	11,300	47.0	11,300	53.5	11,300	58.0	11,300	62.0	11,300	65.5	11,300	
9.14				5 126		5 126		5 126		5 126		5 126		5 126		9.14	
35					23.0	8,500	37.5	8,500	46.0	8,500	52.0	8,500	56.5	8,500	60.5	8,500	
10.67						3 856		3 856		3 856		3 856		3 856		10.67	
40							25.0	6,500	37.5	6,500	45.0	6,500	51.0	6,500	55.5	6,500	
12.19								2 948		2 948		2 948		2 948		12.19	
45									26.5	5,100	37.5	5,100	44.5	5,100	50.0	5,100	
13.72										2 313		2 313		2 313		13.72	
50											27.5	4,000	37.5	4,000	44.5	4,000	
15.24												1 814		1 814		15.24	
55													28.5	3,100	37.5	3,100	
16.76														1 406		1 406	
60													16.0	2,400	30.0	2,400	
18.29														1 089		1 089	
65															19.5	1,800	
19.81																816	
Minimum boom angle for no load: 0°																	

GENERAL INFORMATION ONLY



Link-Belt

CONSTRUCTION EQUIPMENT

RTC-8028 4-section boom — Warning and Operating Instructions

GENERAL:

1. Rated lifting capacities in pounds as shown on lift chart pertain to this machine as originally manufactured and normally equipped. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this machine must be in compliance with the information in the operator's, parts and safety manuals supplied with this machine. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this machine shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. The maximum allowable lifting capacities are based on machine standing level on firm supporting surface.
5. Rated lifting capacities are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
6. Rated lifting capacities are for lift crane service only.
7. Do not operate at radii or boom lengths where capacities are not listed. At these positions, the machine can overturn without any load on the hook.
8. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the load rating chart.
9. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or boom length shall be used.
10. The user shall operate at reduced ratings to allow for adverse job conditions, such as: soft or uneven ground, out of level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electrical wires, etc. Side load on boom or fly is extremely dangerous.
11. When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 feet.
12. Power sections of boom must be extended equally.
13. The least stable rated working area on outriggers is over the rear.
14. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see wire rope strength table) is considered excessive and must be accounted for. Use

prohibited for both clam and magnet operation.

working range diagram to estimate the extra feet of rope then deduct 1 lb. for each foot of wire rope before attempting to lift a load.

15. The loaded boom angle combined with the boom length give only an approximation of the operating radius. The boom angle, before loading, should be greater to account for deflection.
16. For fly capacities with main boom length less than 70.25 ft. (manual retracted) or 91 ft. (manual extended) the rated loads are determined by the boom angle only in the fly capacity columns. For angles not shown use the next lower boom angle to determine the allowable capacity.
17. For boom lengths less than 91 ft. with manual extended, the rated loads are determined by boom angle only in the column headed by 91 ft. For angles not shown, use the next lower boom angle to determine allowable capacity.
18. The 28.75 ft. boom length capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 35 ft. boom length.
19. Crane capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire picks require lifting from main boom head only on a smooth and level surface. Pick and carry operations (creep) are restricted to a maximum speed of 1 MPH and not exceeding 200 ft. in a 30 minute period. The boom must be centered over the front of the machine with two position travel swing lock engaged and the load must be restrained from swinging. Lifts with manual extended or any fly erected on tires are prohibited. Tire inflation pressure for stationary and creep operations is 80 PSI for 20.5 x 25 tires and 70 PSI for 23.5 x 25 tires.

SET-UP

1. The machine shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats or tires to spread the load to a larger bearing surface.
2. When making lifts on outriggers, tires must be free of supporting surface. All outrigger beams must be extended to the same length; fully retracted, half extended, or fully extended.
3. When making lifts on tires, they must be inflated to the recommended pressure. (See note 19).
4. For required parts of line, see wire rope strength and winch performance tables.

OPERATION:

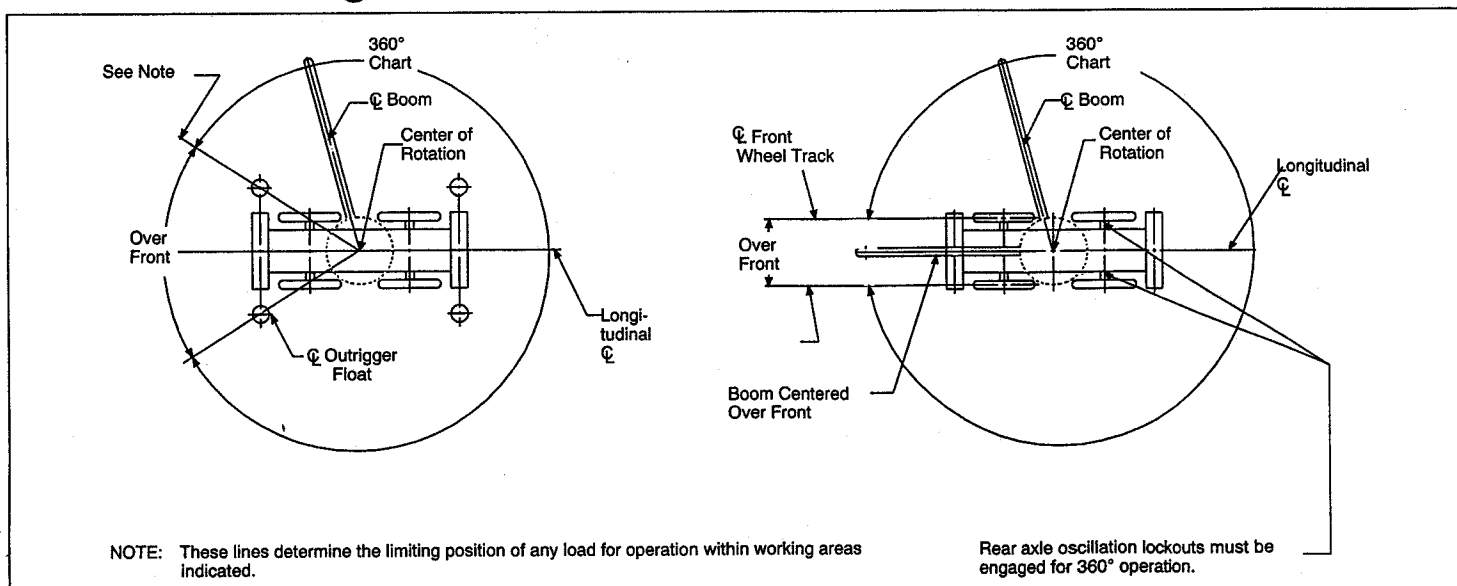
1. Rated lifting capacities at rated radius shall not be exceeded. Do not tip the machine to determine allowable loads. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated lifting capacities. For clamshell bucket operation, weight of bucket and bucket contents is restricted to a maximum weight of 5000 pounds or 80% of rated lifting capacity, whichever is less. For magnet operation, weight of magnet and load is restricted to a maximum weight of 5000 pounds or 80% of rated lifting capacity, whichever is less. For clamshell and magnet operation, maximum boom length is restricted to 46 feet and the boom angle is restricted to a minimum of 38 degrees. Lifts with any fly erected or manual extended are

11. When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 feet.
12. Power sections of boom must be extended equally.
13. The least stable rated working area on outriggers is over the rear.
14. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see wire rope strength table) is considered excessive and must be accounted for. Use

DEFINITIONS:

1. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface before loading to the center of the vertical hoist line or tackle with load applied.
2. Loaded Boom Angle: The angle between the boom base section and the horizontal after lifting the load at the rated radius.
3. Working Area: Area measured in a circular arc about the center line of rotation as shown on the working area plate.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.

RTC-8028 Working Areas



Link-Belt Construction Equipment Company

Lexington, Kentucky

A unit of Sumitomo Construction Machinery Co., Ltd.

©Link-Belt is a registered trademark. All rights reserved. Copyright 1992.

We are constantly improving our products and therefore reserve the right to change designs and specifications.

GENERAL INFORMATION ONLY