



# MODEL 840

## LOCOMOTIVE CRANE RATINGS

### LIFT AND DUTY CYCLE RATINGS

Boom Length	Radius In Feet	Boom Angle Degrees	Free Over Side	With Outriggers Set	Duty Cycle Ratings Magnet & Bucket	Feet From Boom Point To Ground
50 feet	12	80.8	80,000	120,000	17,350	57
	15	77.3	60,230	120,000	17,350	56
	20	71.3	42,070	101,130	17,350	55
	25	65.2	31,980	73,000	17,350	53
	30	58.7	25,580	56,840	17,350	50
	35	51.7	21,100	46,300	16,880	47
	40	43.9	17,860	38,940	14,280	42
	45	34.9	15,340	32,830	12,270	36
50	23.1	13,370	24,270	10,690	29	
55 feet	13	80.6	72,060	120,000	17,350	62
	15	78.5	59,940	120,000	17,350	61
	20	73.1	41,780	100,930	17,350	60
	25	67.6	31,690	72,790	17,350	58
	30	61.8	25,290	56,620	17,350	56
	35	55.7	20,810	46,000	16,640	53
	40	49.1	17,580	38,710	14,060	49
	45	41.8	15,060	33,200	12,040	44
50	33.2	13,060	27,980	10,460	38	
55	22.0	11,000	20,810	9,200	28	
60 feet	14	80.4	65,300	120,000	17,350	67
	15	79.4	59,760	120,000	17,350	66
	20	74.5	41,600	100,820	17,350	65
	25	69.5	31,520	72,600	17,350	64
	30	64.3	25,130	56,500	17,350	62
	35	58.9	20,650	45,940	16,520	59
	40	53.1	17,420	38,590	13,930	55
	45	46.9	14,900	33,090	11,920	51
	50	39.9	12,910	28,860	10,320	46
	55	31.8	10,910	24,200	9,040	39
60	21.0	9,020	18,080	8,010	29	

Boom Length	Radius In Feet	Boom Angle Degrees	Free Over Side	With Outriggers Set	Duty Cycle Ratings Magnet & Bucket	Feet From Boom Point To Ground
65 feet	15	80.3	59,460	120,000	17,350	72
	20	75.7	41,310	100,620	17,350	70
	25	71.2	32,230	72,450	17,350	69
	30	66.4	25,940	56,270	17,350	67
	35	61.5	20,360	45,700	16,280	65
	40	56.1	17,140	38,360	13,710	62
	45	50.5	14,620	32,860	11,690	58
	50	45.0	12,630	28,620	10,100	53
70 feet	15	81.0	59,360	120,000	17,350	77
	20	76.8	41,200	100,550	17,350	76
	25	72.5	31,130	72,380	17,350	74
	30	68.2	24,750	56,200	17,350	72
	35	63.7	20,270	45,630	16,210	70
	40	59.1	17,050	38,280	13,640	68
	45	54.1	14,530	32,780	11,620	64
	50	48.9	12,540	28,540	10,030	60
55	43.2	10,940	25,190	8,750	55	
60	36.9	9,660	22,510	7,720	49	
65	29.4	8,540	19,360	6,830	42	
70	19.5	7,590	13,790	6,070	31	

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### BOOM COMPOSITION

Boom Length (Feet)	25 Ft. 36S Inner	5 Ft. 36S Center	10 Ft. 36S Center	20 Ft. 36S Center	25 Ft. 36S Outer
50	1	—	—	—	1
55	1	1	—	—	1
60	1	—	1	—	1
65	1	1	1	—	1
70	1	—	—	1	1

### LOAD HOISTING DATA

Maximum Lifting Capacity - Lbs.	Minimum Parts Of Line
120,000	6
105,130	5
85,040	4
64,280	3
43,300	2
21,870	1