



MODEL 830 DEH

LOCOMOTIVE CRANE RATINGS

Ratings In Pounds With 46HR Boom and 24,250 lbs. Counterweight

Boom Length	Radius In Feet	Boom Angle Degrees	Free Over Side	With Outriggers Set Over Side	Duty Cycle Ratings Magnet & Bucket	Feet From Boom Point To Ground
50 feet	12	80.3	63580	80000	11700	56
	15	76.8	47730	80000	11700	55
	20	70.8	33410	64770	11700	54
	25	64.6	25450	50020	11700	52
	30	58.1	20390	40630	11700	49
	35	51.1	16860	33140	11700	46
	40	43.3	14310	27980	11470	41
	45	34.1	12330	22750	9880	35
50	21.8	10770	17650	8630	25	
55 feet	13	80.1	57110	80000	11700	61
	15	78.0	47540	80000	11700	60
	20	72.6	33220	63400	11700	59
	25	67.1	25270	49110	11700	57
	30	61.3	20220	40120	11700	55
	35	55.2	16690	33030	11700	52
	40	48.5	14150	28330	11350	48
	45	41.1	12170	23650	9760	43
50	32.4	10610	19520	8510	36	
55	20.8	9350	15330	7490	26	
60 feet	13	81.0	57040	80000	11700	66
	15	79.0	47470	80000	11700	65
	20	74.1	33150	63240	11700	64
	25	69.1	25210	48290	11700	63
	30	63.9	20170	39610	11700	61
	35	58.4	16640	32810	11700	58
	40	52.6	14090	28400	11350	54
	45	46.4	12120	24080	9720	50
	50	39.3	10550	20400	8470	45
	55	31.0	9290	17000	7450	38
60	19.9	8280	14000	6620	27	
65 feet	14	80.8	51650	80000	11700	71
	15	79.9	47280	80000	11700	71
	20	75.4	32980	61980	11700	70
	25	70.8	25030	47320	11700	68
	30	66.0	20000	38890	11700	66
	35	61.1	16470	32310	11350	64
	40	55.9	13940	28140	1180	60
	45	50.4	11960	2060	9600	57
	50	44.4	10400	20000	8340	52
	55	37.7	9130	17680	7330	46
	60	29.8	8090	15520	6490	39
	65	19.1	7130	12350	5790	28
70 feet	15	80.6	47180	78190	11700	76
	20	76.4	32850	60860	11700	75
	25	72.2	24910	47450	11700	73
	30	67.9	19880	38210	11700	71
	35	63.3	16350	31810	11700	69
	40	58.6	13830	27820	11100	66
	45	53.7	11840	23900	9510	63
	50	48.5	10280	20700	8250	59
	55	42.7	9020	17950	7240	54
	60	36.3	7980	15490	6410	48
	65	28.7	7130	13670	5700	40
	70	18.4	6390	10920	5110	29

Boom Length	Radius In Feet	Boom Angle Degrees	Free Over Side	With Outriggers Set Over Side	Duty Cycle Ratings Magnet & Bucket	Feet From Boom Point To Ground
75 feet	16	80.5	43230	74430		81
	20	77.4	32660	59760		80
	25	73.4	24740	46550		79
	30	69.4	19720	37480		77
	35	65.2	16180	31220		75
	40	60.9	13670	27360		72
	45	56.6	11680	23590		69
	50	51.8	10120	20530		66
	55	46.7	8860	17950		61
	60	41.2	7820	15670		56
80 feet	65	35.0	6980	14190		50
	70	27.7	6230	12010		41
	75	17.8	5590	9630		30
	20	80.4	40070	64900		86
	25	78.2	32640	50920		85
	30	74.5	24700	40860		84
	35	70.7	19680	36930		82
	40	66.9	16170	31710		80
	45	62.8	13440	27030		78
	50	58.6	11670	23380		75
85 feet	55	50.0	8830	17960		72
	60	45.1	7790	15830		68
	65	39.9	6970	14570		63
	70	33.9	6220	12640		58
	75	26.8	5580	10750		51
	80	17.2	5010	8650		43
	17	80.9	39900	66590		91
	20	78.9	32540	58050		90
	25	75.4	24540	45050		89
	30	71.9	19520	36240		87
35	68.3	16000	31100		86	
40	64.6	13490	26530		83	
45	60.8	11510	22970		81	
50	56.9	9940	20100		78	
55	52.8	8680	17730		74	
60	48.4	7640	15700		70	
65	43.7	6760	14520		65	
70	38.6	6070	12810		60	
75	32.8	5430	11150		53	
80	26.0	4870	9500		44	
85	16.7	4370	7640		31	
90 feet	18	80.8	36960	61210		95
	20	79.5	32410	57220		95
	25	76.2	24420	44340		94
	30	72.9	19410	35640		93
	35	69.6	15870	30550		91
	40	66.1	13370	26070		89
	45	62.6	11400	22580		87
	50	58.9	9830	19790		84
	55	55.2	8570	17500		81
	60	51.2	7530	15550		77
65	47.0	6710	14520		72	

Load Reference Only! Load Charts are Crane Specific