

MODEL 855-88 DE LOCOMOTIVE CRANE RATINGS

LIFT & DUTY CYCLE RATINGS

FIVE FT. INTEGRAL JIB RATING

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Free Over Side	With Outriggers Set	Duty Cycle Rating	Rail To Boom Pt.
50 feet	12	82.6	100000	176000	20000	56
	15	79.1	81370	147070	20000	55
	20	73.2	56790	104720	20000	54
	25	67.1	43080	79080	20000	52
	30	60.8	34360	63100	20000	50
	35	53.9	28280	52130	20000	46
	40	46.5	23870	44220	19100	42
	45	37.9	20430	38140	16340	37
55 feet	50	27.2	17730	33380	14180	29
	13	82.2	97420	164170	20000	61
	15	80.1	80970	146500	20000	60
	20	74.8	56410	104310	20000	59
	25	69.3	42740	78700	20000	58
	30	63.6	34040	62740	20000	55
	35	57.7	27950	51770	20000	53
	40	51.2	23550	43860	18840	49
60 feet	45	44.2	20130	37800	16100	44
	50	36.1	17420	33030	13940	38
	55	25.9	15240	29190	12190	30
	13	82.9	97090	163690	20000	66
	15	81.0	80650	146030	20000	65
	20	76.1	56120	103990	20000	64
	25	71.1	42450	78380	20000	63
	30	66.0	33770	62440	20000	60
65 feet	35	60.6	27690	51470	20000	59
	40	55.0	23300	43580	18640	55
	45	48.9	19890	37520	15910	51
	50	42.2	17180	32760	13740	46
	55	34.5	14990	28910	11990	40
	60	24.8	13180	25750	10540	31
	14	82.6	87960	154100	20000	71
	15	81.7	80450	143750	20000	70
70 feet	20	77.2	56950	103800	20000	69
	25	72.6	42700	78200	20000	68
	30	67.9	33710	62260	20000	66
	35	63.1	27530	51300	20000	64
	40	58.0	23160	43420	18530	61
	45	52.7	19740	37360	15790	58
	50	46.9	17040	32600	13630	54
	55	40.5	14860	28770	11890	48
	60	33.1	13050	25600	10440	42
	65	23.8	11570	23000	9260	32
	15	82.3	88250	145470	20000	75
20	78.1	65750	103590	20000	75	
25	73.9	42110	78010	20000	73	
30	69.8	33440	62080	20000	72	
35	66.1	27370	51120	20000	70	
40	60.5	23000	43250	18400	67	
45	55.7	19590	37190	15670	64	
50	50.6	16900	32440	13520	60	
55	45.1	14710	28600	11770	56	
60	38.9	12900	25440	10320	50	
65	31.9	11440	22850	9150	43	
70	22.9	10140	20590	8110	33	

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Boom & Jib Length	Jib Radius (Feet)	Boom Angle Degrees	Jib Rating (Pounds)	Duty Cycle Rating	Rail To Boom Pt.
50' Boom & 5' Jib	13	82.2	30000	20000	61
	15	80.1	30000	20000	60
	20	74.8	30000	20000	59
	25	69.3	30000	20000	58
	30	68.6	30000	20000	55
	35	57.7	28110	20000	53
	40	51.2	23640	18900	49
	45	44.2	20230	16150	44
	50	36.1	17530	14024	38
	55	25.9	15100	12000	28
55' Boom & 5' Jib	13	32.9	30000	20000	66
	15	81.0	30000	20000	65
	20	76.1	30000	20000	64
	25	71.1	30000	20000	63
	30	66.0	30000	20000	61
	35	60.5	27770	20000	58
	40	55.0	23310	18600	55
	45	49.9	19900	15900	51
	50	44.2	17190	13700	46
	55	34.5	15000	12000	40
60' Boom & 5' Jib	60	24.8	13000	10400	28
	14	82.6	30000	20000	71
	15	81.7	30000	20000	70
	20	77.2	30000	20000	69
	25	72.6	30000	20000	68
	30	67.9	30000	20000	66
	35	68.1	27490	20000	64
	40	58.0	23030	18400	61
	45	52.7	19620	15600	58
	50	48.9	16920	13500	54
	55	40.5	14740	11700	48
60	33.1	12940	10350	42	
65	23.8	11400	9100	32	
65' Boom & 5' Jib	15	82.3	30000	20000	75
	20	78.1	30000	20000	75
	25	78.9	30000	20000	73
	30	69.6	30000	20000	72
	35	65.1	27320	20000	70
	40	60.5	22860	18200	67
	45	55.7	19450	15500	64
	50	50.6	16760	13400	60
	55	45.1	14570	11600	56
	60	38.9	12770	10200	50
70' Boom & 5' Jib	65	31.9	11310	9000	43
	70	22.9	9700	7760	33
	15	82.8	30000	20000	80
	20	78.9	30000	20000	80
	25	75.0	30000	20000	79
	30	71.0	30000	20000	77
	35	66.9	27150	20000	75
	40	62.7	22680	18100	73
	45	58.3	19270	15400	70
	50	53.7	16590	13200	66
75' Boom & 5' Jib	55	48.8	13700	10900	63
	60	43.5	12590	10000	58
	65	37.6	11150	8920	52
	70	30.7	9860	7600	44
	75	19.1	8200	6560	30

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NOTE: WITH INTEGRAL JIB REMOVED ADD APPROXIMATELY 1,000 POUNDS TO MAIN FALL CAPACITIES.