

MODEL 7040 DH LOCOMOTIVE CRANE RATINGS

LIFT & DUTY CYCLE RATINGS

Boom Length	Radius In Feet	Boom Angle Degrees	Free Over Side	With Outriggers Set	Duty Cycle Ratings Magnet or Clamshell Work	Roll To Boom Pl.
50 feet	12	80.9	80000	150000	17350	56
	15	77.4	61140	141120	17350	56
	20	71.5	42970	96830	17350	54
	25	65.3	32840	70490	17350	52
	30	58.8	26340	54800	17350	50
	35	51.9	21910	42680	17350	46
	40	44.2	18610	33260	14800	42
55 feet	45	35.2	16140	25390	12900	36
	50	23.4	14130	17810	11300	27
	13	80.7	73140	150000	17350	61
	15	73.6	60930	140890	17350	61
	20	73.2	42780	96720	17350	60
	25	67.7	32660	70370	17350	58
	30	61.9	26160	55000	17350	56
60 feet	35	55.8	21740	44720	17350	53
	40	49.3	18430	35660	14700	49
	45	42.0	15910	28290	12700	44
	50	33.5	13970	21900	11400	37
	55	22.3	12350	15520	9800	28
	14	80.5	66450	142580	17350	66
	15	79.6	60880	139960	17350	66
20	74.7	42740	96690	17350	65	
65 feet	25	69.6	32620	70340	17350	63
	30	64.5	26110	54970	17350	61
	35	59.0	21710	45020	17350	58
	40	53.3	18400	37480	14700	55
	45	47.1	15860	30450	12600	51
	50	40.1	13940	24580	11100	46
	55	32.0	12320	19210	9800	39
70 feet	60	21.4	10990	13740	8700	29
	15	80.4	60630	134560	17350	71
	20	75.9	42550	96570	17350	70
	25	71.3	32440	70220	17350	69
	30	66.5	25930	54830	17350	67
	35	61.6	21530	44880	17200	64
	40	56.5	18230	37800	14500	61
75 feet	45	51.0	15690	31870	12500	58
	50	45.1	13700	26240	10900	58
	55	38.5	12160	21400	9700	47
	60	30.7	10820	16840	8600	40
	65	20.5	9700	12090	7700	30
	16	80.2	55920	126100	17350	76
	20	76.9	42440	96490	17350	75
25	72.6	32340	70140	17350	74	
80 feet	30	68.3	25830	54750	17350	72
	35	63.8	21430	44860	17100	70
	40	59.2	18120	37800	14400	67
	45	54.3	15600	32460	12400	64
	50	49.1	13600	27530	10800	60
	55	43.4	12070	22980	9500	35
	60	37.0	10730	18830	8300	35
85 feet	65	29.6	9610	14910	7600	42
	70	19.8	8660	10740	6900	31
	16	80.9	55720	120840	DUTY CYCLE LIMITED TO 70 FT. BOOM	81
	20	77.8	42240	96370		80
	25	73.8	32160	70010		79
	30	69.8	25650	54610		77
	35	65.7	21260	44670		75
85 feet	40	61.4	17950	37570		73
	45	57.0	15420	32300		70
	50	52.3	13430	28250		66
	55	47.3	11910	24050		62
	60	41.8	10570	20150		57
	65	35.7	9450	16600		51
	70	28.6	8490	13180		43
85 feet	75	19.1	7680	9470		32
	17	80.7	51570	114170		86
	20	78.6	42210	96340		85
	25	74.9	32130	69970		84
	30	71.1	25610	54570		83
	35	67.3	21230	44630		81
	40	63.4	17920	37540		78
90 feet	45	59.3	15380	32270		76
	50	55.0	13380	28200		73
	55	50.5	11880	24960		69
	60	45.7	10540	21230		64
	65	40.5	9410	17900		59
	70	34.6	8460	14830		52
	75	27.6	7640	11800		44
95 feet	80	18.5	6920	8490		32
	18	80.6	47800	108050		91
	20	79.2	42020	96210		90
	25	75.8	31940	69840		89
95 feet	30	72.3	25420	54430		88
	35	68.7	21050	44500		86
	40	65.0	17740	37400		84

Boom Length	Radius In Feet	Boom Angle Degrees	Free Over Side	With Outriggers Set	Duty Cycle Ratings Magnet or Clamshell Work	Roll To Boom Pl.
85 feet	45	61.3	15210	32130		82
	50	57.3	13210	28060		79
	55	53.2	11720	24940		75
	60	48.9	10380	21900		71
	65	44.3	9250	18730		66
	70	39.2	8300	15860		61
	75	33.5	7470	13150		54
90 feet	80	26.8	6760	10470		45
	85	17.9	6140	7490		33
	19	80.5	44680	100360		96
	20	79.8	41890	96120		96
	25	76.6	31830	69760		95
	30	73.3	25310	54330		93
	35	69.9	20950	44410		92
95 feet	40	66.5	17640	37310		90
	45	63.0	15100	32030		87
	50	59.4	13100	27960		84
	55	55.6	11620	24860		81
	60	51.6	10280	22220		73
	65	47.4	9160	19400		73
	70	43.0	8230	16660		68
95 feet	75	38.0	7370	14140		62
	80	32.5	6650	11740		55
	85	26.0	6030	9340		46
	90	17.4	5480	6640		34
	19	81.6	44490	96100		101
	20	80.4	41700	95030		101
	25	77.3	31640	69620		100
95 feet	30	74.2	25120	54190		98
	35	71.0	20770	44270		97
	40	67.8	17460	37170		95
	45	64.5	14930	31890		93
	50	61.1	12930	27820		90
	55	57.6	11460	24720		87
	60	54.0	10120	22080		84
95 feet	65	50.1	9000	19820		80
	70	46.1	8030	17180		75
	75	41.8	7210	14800		70
	80	37.0	6490	12570		64
	85	31.6	5870	10430		57
	90	25.3	5320	8270		48
	95	16.9	4820	5810		35
100 feet	20	80.9	41610	89880		106
	25	78.0	31550	69540		105
	30	75.0	25040	54110		104
	35	72.0	20680	44190		102
	40	69.0	17370	37090		100
	45	65.9	14840	31810		98
	50	62.7	12840	27740		96
100 feet	55	59.4	11380	24650		93
	60	56.0	10040	22010		90
	65	52.5	8910	19810		86
	70	48.8	7950	17650		82
	75	44.9	7130	15360		78
	80	40.6	6410	13250		72
	85	36.0	5780	11270		66
105 feet	90	30.8	5230	9350		58
	95	24.7	4730	7370		49
	100	16.5	4300	5130		35
	21	80.8	38930	85140		111
	25	78.5	31370	69410		110
	30	75.7	24850	53970		109
	35	72.9	20510	44060		107
105 feet	40	70.0	17200	36950		106
	45	67.1	14670	31670		104
	50	64.1	12670	27590		101
	55	61.0	11220	24510		99
	60	57.8	9880	21870		96
	65	54.6	8750	19670		93
	70	51.1	7790	17830		89
110 feet	75	47.5	6970	15700		84
	80	43.7	6250	13680		80
	85	39.6	5620	11810		74
	90	35.1	5060	10030		67
	95	30.1	4560	8280		66
	100	24.1	4130	6490		50
	105	16.1	3740	4420		36
110 feet	22	80.6	36560	80150		116
	25	79.1	31240	69300		115
	30	76.4	24730	53860		114