

# AMERICAN MODEL 7040 DE

Free crane ratings do not exceed 85% of tipping load.  
 Outrigged crane ratings do not exceed 80% of tipping load.  
 Duty cycle ratings do not exceed 75% of tipping load.  
 Duty cycle ratings limited to 70 ft. boom.

Boom Length	Radius Ft.	Boom Angle Degrees	Free Over Side Lb.	Outriggers Set Lb.	Duty Cycle Lb.
50'	12	81	80,000	150,000	15,000
	15	77	59,600	138,500	15,000
	20	71	41,900	96,400	15,000
	25	65	32,000	70,200	15,000
	30	59	25,700	54,900	15,000
	35	52	21,300	44,900	15,000
	40	44	18,100	37,900	15,000
	45	35	15,600	32,700	13,800
	50	23	13,700	28,700	12,000
55'	13	81	71,300	147,200	15,000
	15	79	59,500	137,700	15,000
	20	73	41,700	96,300	15,000
	25	68	31,800	70,000	15,000
	30	62	25,500	54,800	15,000
	35	56	21,100	44,800	15,000
	40	49	17,900	37,800	15,000
	45	42	15,500	32,600	13,700
	50	33	13,500	28,500	12,000
55	22	11,900	25,300	10,500	
60'	14	81	65,800	141,500	15,000
	15	80	59,400	136,900	15,000
	20	75	41,600	96,100	15,000
	25	70	31,700	69,800	15,000
	30	64	25,400	54,700	15,000
	35	59	21,000	44,700	15,000
	40	53	17,800	37,700	15,000
	45	47	15,300	32,400	13,500
	50	40	13,400	28,400	11,800
55	32	11,800	25,200	10,400	
60	21	10,500	22,600	9,300	
65'	15	80	59,200	136,300	15,000
	20	76	41,400	96,000	15,000
	25	71	31,500	69,800	15,000
	30	67	25,200	54,500	15,000
	35	62	20,800	44,500	15,000
	40	57	17,600	37,500	15,000
	45	51	15,200	32,300	13,400
	50	45	13,200	28,300	11,700
	55	38	11,600	25,000	10,300
60	31	10,300	22,400	9,100	
65	21	9,300	20,300	8,200	
70'	16	80	54,500	129,900	15,000
	20	77	41,300	95,900	15,000
	25	73	31,300	69,700	15,000
	30	68	25,000	54,400	15,000
	35	64	20,700	44,400	15,000
	40	59	17,500	37,400	15,000
	45	54	15,000	32,200	13,200
	50	49	13,100	28,100	11,500
	55	43	11,500	24,900	10,100
60	37	10,200	22,300	9,000	
65	30	9,100	20,100	8,000	
70	20	8,200	18,300	7,200	

Boom Length	Radius Ft.	Boom Angle Degrees	Free Over Side Lb.	Outriggers Set Lb.	Duty Cycle Lb.
75'	16	81	54,300	126,200	—
	20	78	41,100	95,800	—
	25	74	31,200	69,600	—
	30	70	24,900	54,300	—
	35	66	20,500	44,300	—
	40	61	17,300	37,300	—
	45	57	14,800	32,000	—
	50	52	12,900	28,000	—
	55	47	11,300	24,800	—
	60	42	10,000	22,200	—
	65	36	8,900	20,000	—
	70	29	8,000	18,200	—
75	19	7,200	16,600	—	
80'	17	81	50,200	119,900	—
	20	79	41,000	95,700	—
	25	75	31,000	69,400	—
	30	71	24,700	54,200	—
	35	67	20,400	44,200	—
	40	63	17,200	37,200	—
	45	59	14,700	31,900	—
	50	55	12,800	27,900	—
	55	51	11,200	24,700	—
	60	46	9,900	22,000	—
	65	40	8,800	19,900	—
	70	35	7,900	18,000	—
75	28	7,100	16,500	—	
80	18	6,400	15,100	—	
85'	18	81	46,600	112,300	—
	20	79	40,800	95,600	—
	25	76	30,900	69,300	—
	30	72	24,600	54,000	—
	35	69	20,200	44,000	—
	40	65	17,000	37,000	—
	45	61	14,500	31,800	—
	50	57	12,600	27,700	—
	55	53	11,000	24,500	—
	60	49	9,700	21,900	—
	65	44	8,600	19,700	—
	70	39	7,700	17,900	—
75	34	6,900	16,300	—	
80	27	6,200	15,000	—	
85	18	5,600	13,800	—	
90'	19	80	43,400	103,200	—
	20	80	40,700	95,500	—
	25	77	30,700	69,200	—
	30	73	24,400	53,900	—
	35	70	20,000	43,900	—
	40	67	16,800	36,900	—
	45	63	14,400	31,600	—
	50	59	12,400	27,600	—
	55	56	10,900	24,400	—
60	52	9,600	21,700	—	
65	47	8,500	19,600	—	
70	43	7,500	17,700	—	