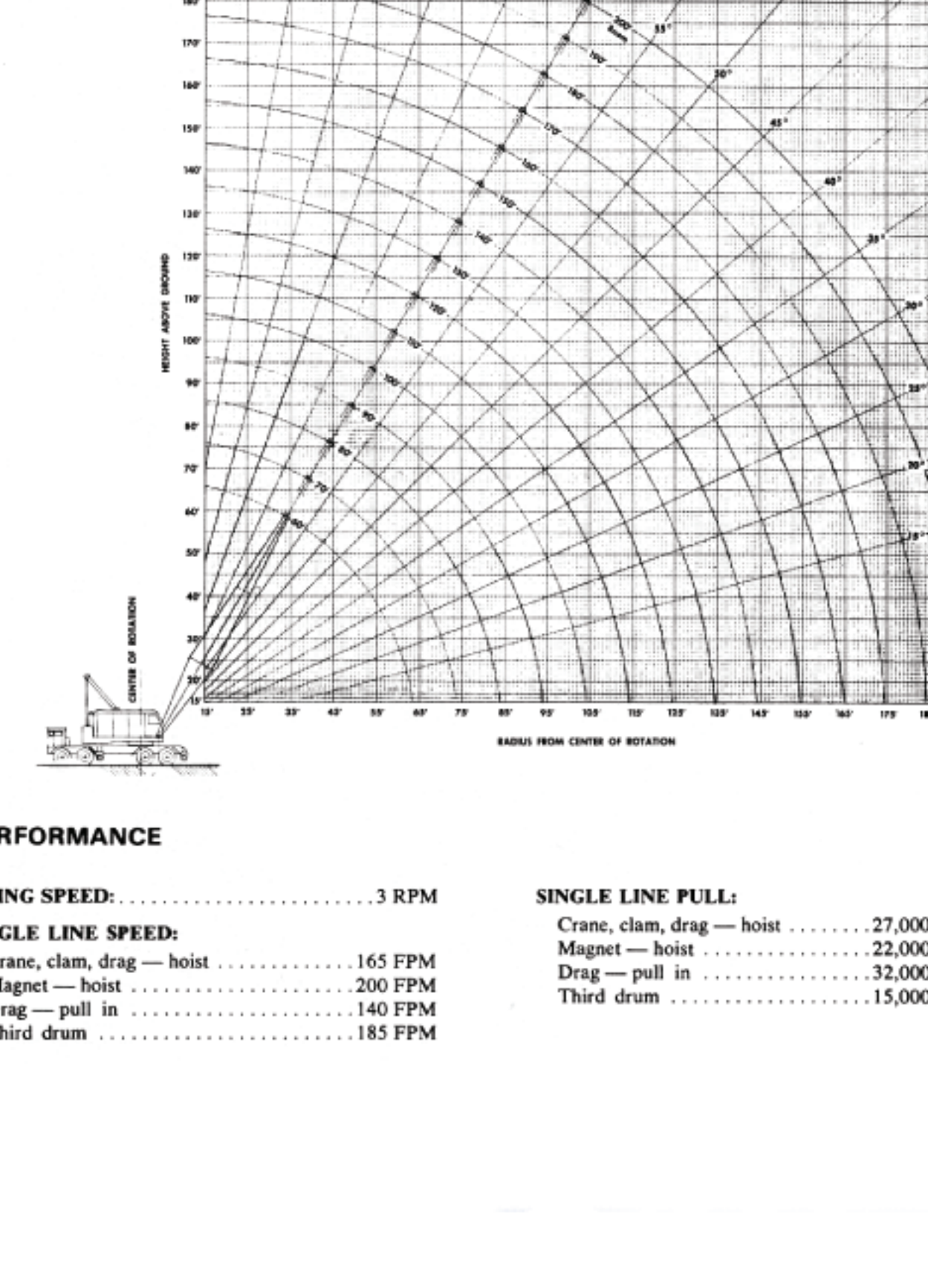


LIFTING CHARTS - Conventional Truck Cranes

AMERICAN MODEL 7450 - 80 TON CAPACITY



PERFORMANCE

SWING SPEED: 3 RPM

SINGLE LINE SPEED:

Crane, clam, drag — hoist 165 FPM

Magnet — hoist 200 FPM

Drag — pull in 140 FPM

Third drum 185 FPM

SINGLE LINE PULL:

Crane, clam, drag — hoist 22,000 lbs. SLP

Magnet — hoist 27,000 lbs. SLP

Drag — pull in 32,000 lbs. SLP

Third drum 15,000 lbs. SLP

MODEL 7450 LIFTING CRANE RATINGS

Tubular Chord Boom with Hammerhead

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
40'	12	83	71,750	69,500	130,000
	15	76	52,650	49,550	133,000
	20	69	36,850	34,700	108,000
	25	64	27,000	25,250	81,800
	30	59	21,350	20,950	60,900
	35	54	17,500	16,500	*48,250
	40	50	14,700	13,900	*39,800

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
60'	17	83	103,500	101,000	191,200
	20	76	74,500	71,000	142,500
	25	69	52,650	49,550	133,000
	30	64	39,800	37,300	108,000
	35	59	30,900	28,400	83,000
	40	54	24,400	22,900	68,000
	45	50	20,000	18,500	*56,500

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
60'	15	83	58,650	56,150	108,000
	18	76	42,250	39,750	83,000
	21	69	30,900	28,400	68,000
	24	64	24,400	22,900	56,500
	27	59	20,000	18,500	*56,500
	30	54	16,500	15,000	*48,250
	33	50	13,900	12,450	*39,800

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
80'	17	83	142,500	139,000	261,200
	20	76	103,500	101,000	191,200
	25	69	74,500	71,000	142,500
	30	64	52,650	49,550	133,000
	35	59	39,800	37,300	108,000
	40	54	30,900	28,400	83,000
	45	50	24,400	22,900	68,000

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
80'	14	83	35,350	33,850	69,200
	17	76	26,400	24,900	56,500
	20	69	20,000	18,500	*56,500
	23	64	16,500	15,000	*48,250
	26	59	13,900	12,450	*39,800
	29	54	11,450	10,950	*32,400
	32	50	9,000	8,500	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
100'	18	83	41,400	39,900	83,300
	21	76	30,900	28,400	68,000
	24	69	24,400	22,900	56,500
	27	64	20,000	18,500	*56,500
	30	59	16,500	15,000	*48,250
	33	54	13,900	12,450	*39,800
	36	50	11,450	10,950	*32,400

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
100'	15	83	30,900	28,400	68,000
	18	76	22,900	21,400	56,500
	21	69	18,500	17,000	48,250
	24	64	15,000	13,500	*48,250
	27	59	12,450	11,950	*39,800
	30	54	10,950	10,450	*32,400
	33	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
110'	21	83	28,500	27,000	55,000
	24	76	21,400	20,900	47,500
	27	69	17,000	16,500	39,800
	30	64	14,500	14,000	32,400
	33	59	12,000	11,500	25,950
	36	54	10,500	10,000	21,400
	39	50	9,000	8,500	17,900

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
110'	18	83	30,900	28,400	68,000
	21	76	22,900	21,400	56,500
	24	69	18,500	17,000	48,250
	27	64	15,000	13,500	*48,250
	30	59	12,450	11,950	*39,800
	33	54	10,950	10,450	*32,400
	36	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
120'	24	83	26,500	25,000	52,000
	27	76	20,000	19,500	44,500
	30	69	16,500	16,000	37,000
	33	64	14,000	13,500	32,400
	36	59	12,500	12,000	27,900
	39	54	11,000	10,500	23,400
	42	50	9,500	9,000	19,900

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
120'	15	83	30,900	28,400	68,000
	18	76	22,900	21,400	56,500
	21	69	18,500	17,000	48,250
	24	64	15,000	13,500	*48,250
	27	59	12,450	11,950	*39,800
	30	54	10,950	10,450	*32,400
	33	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
130'	25	83	24,500	23,000	48,000
	28	76	19,000	18,500	40,500
	31	69	15,500	15,000	33,000
	34	64	13,000	12,500	28,500
	37	59	11,500	11,000	24,000
	40	54	10,000	9,500	19,500
	43	50	8,500	8,000	16,000

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
130'	18	83	30,900	28,400	68,000
	21	76	22,900	21,400	56,500
	24	69	18,500	17,000	48,250
	27	64	15,000	13,500	*48,250
	30	59	12,450	11,950	*39,800
	33	54	10,950	10,450	*32,400
	36	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
140'	26	83	20,500	19,000	38,000
	29	76	16,000	15,500	30,500
	32	69	13,500	13,000	26,000
	35	64	12,000	11,500	22,500
	38	59	10,500	10,000	19,000
	41	54	9,000	8,500	15,500
	44	50	7,500	7,000	12,000

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
140'	19	83	30,900	28,400	68,000
	22	76	22,900	21,400	56,500
	25	69	18,500	17,000	48,250
	28	64	15,000	13,500	*48,250
	31	59	12,450	11,950	*39,800
	34	54	10,950	10,450	*32,400
	37	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
150'	27	83	18,500	17,000	34,000
	30	76	14,000	13,500	26,500
	33	69	12,500	12,000	22,000
	36	64	11,000	10,500	18,500
	39	59	9,500	9,000	15,000
	42	54	8,000	7,500	11,500
	45	50	6,500	6,000	8,000

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
150'	20	83	30,900	28,400	68,000
	23	76	22,900	21,400	56,500
	26	69	18,500	17,000	48,250
	29	64	15,000	13,500	*48,250
	32	59	12,450	11,950	*39,800
	35	54	10,950	10,450	*32,400
	38	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
160'	28	83	16,500	15,000	30,000
	31	76	12,500	12,000	22,500
	34	69	11,000	10,500	19,000
	37	64	9,500	9,000	15,500
	40	59	8,000	7,500	12,000
	43	54	6,500	6,000	8,500
	46	50	5,000	4,500	5,000

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
160'	21	83	30,900	28,400	68,000
	24	76	22,900	21,400	56,500
	27	69	18,500	17,000	48,250
	30	64	15,000	13,500	*48,250
	33	59	12,450	11,950	*39,800
	36	54	10,950	10,450	*32,400
	39	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
170'	29	83	14,500	14,000	27,500
	32	76	11,000	10,500	20,000
	35	69	9,500	9,000	17,500
	38	64	8,000	7,500	15,000
	41	59	6,500	6,000	12,500
	44	54	5,000	4,500	10,000
	47	50	3,500	3,000	6,500

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
170'	22	83	30,900	28,400	68,000
	25	76	22,900	21,400	56,500
	28	69	18,500	17,000	48,250
	31	64	15,000	13,500	*48,250
	34	59	12,450	11,950	*39,800
	37	54	10,950	10,450	*32,400
	40	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
180'	30	83	12,500	12,000	22,500
	33	76	9,500	9,000	17,500
	36	69	8,000	7,500	15,000
	39	64	6,500	6,000	12,500
	42	59	5,000	4,500	10,000
	45	54	3,500	3,000	6,500
	48	50	2,000	1,500	3,000

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
180'	23	83	30,900	28,400	68,000
	26	76	22,900	21,400	56,500
	29	69	18,500	17,000	48,250
	32	64	15,000	13,500	*48,250
	35	59	12,450	11,950	*39,800
	38	54	10,950	10,450	*32,400
	41	50	8,500	8,000	*25,950

Boom Length	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Extended And Set
190'	31	83	10,500	10,000	19,000
	34	76	8,500	8,000	15,500
	37	69	7,500	7,000	13,000
	40	64	6,500	6,000	10,500
	43	59	5,500	5,000	8,000
	46	54	4,500	4,000	5,