

**9090-DES DIESEL ELECTRIC LOCOMOTIVE CRANE  
PRELIMINARY CAPACITY CHARTS**



**MAINFALL RATINGS in lbs.**

**BOOM CONST,:** 70 Ft. (21.33 m) – 58" x 46" Chord Angle / Pipe Laced Boom  
**BOOM HOIST:** 13 Part with 1.375" Pendants  
**CRANE WEIGHT:** Approx. 435,900 Lbs. (197,724 kg)

COUNTERWEIGHT 120,000 LBS. (54,432 kg)						
			FREE ON WHEELS		ON OUTRIGGERS	
RADIUS FEET	ANGLE DEG.	TIP HGT	OVER SIDE	OVER END	OVER SIDE	OVER END
17	80.2	77	0	242,450	242,450	242,450
20	77.7	76	0	233,660	233,660	233,660
25	73.5	75	0	219,170	219,170	219,170
30	69.1	73	0	191,780	206,940	206,940
35	64.7	71	0	155,550	169,970	169,970
40	60.1	68	0	130,500	141,680	141,680
45	55.2	65	0	112,030	121,090	121,090
50	50.1	61	0	98,030	105,620	105,620
55	44.5	57	0	86,880	93,390	93,390
60	38.3	51	0	77,850	83,560	83,560
65	31.1	44	0	70,400	75,400	75,400
70	21.9	34	0	64,210	68,750	68,750

Truck Weights: "Free on Wheels – Over End" @ Maximum Load  
 "Over End" Capacities: Maximum 20 Degrees Swing Rotation From Track Center

**MAINFALL RATINGS in lbs..**

**BOOM CONST,:** 70 Ft. (21.33 m) – 58" x 46" Chord Angle / Pipe Laced Boom  
**BOOM HOIST:** 13 Part with 1.375" Pendants  
**CRANE WEIGHT:** Approx. 390,900 Lbs. (176,904 kg)

COUNTERWEIGHT 75,000 LBS. (34,020 kg)						
			FREE ON WHEELS		ON OUTRIGGERS	
RADIUS FEET	ANGLE DEG.	TIP HGT	OVER SIDE	OVER END	OVER SIDE	OVER END
17	80.2	77	0	242,450	242,450	242,450
20	77.7	76	0	233,660	233,660	233,660
25	73.5	75	0	200,140	219,170	219,170
30	69.1	73	0	153,970	171,830	207,090
35	64.7	71	0	124,640	137,780	183,360
40	60.1	68	0	104,220	114,510	157,090
42	58.2	67	0	97,940	107,300	149,270
45	55.2	65	0	89,380	97,800	137,650
50	50.1	61	0	77,930	85,040	121,980
55	44.5	57	0	68,890	75,040	109,400
60	38.3	51	0	61,670	67,090	98,910
65	31.1	44	0	55,630	60,470	90,140
70	21.9	34	0	50,550	54,930	78,010

Truck Weights: "Free on Wheels – Over End" @ Maximum Load  
 "Over End" Capacities: Maximum 20 Degrees Swing Rotation From Track Center

Subject to change

REFERENCE ONLY! LOAD CHARTS ARE CRANE SPECIFIC

**9090-DES DIESEL ELECTRIC LOCOMOTIVE CRANE  
PRELIMINARY CAPACITY CHARTS**



**MAINFALL RATINGS in lbs.**

**BOOM CONST,:** 70 Ft. (21.33 m) – 58" x 46" Chord Angle / Pipe Laced Boom  
**BOOM HOIST:** 13 Part with 1.375" Pendants  
**CRANE WEIGHT:** Approx. 348,900 Lbs. (158,261 kg)

COUNTERWEIGHT 33,000 LBS. (14,969 kg)			FREE ON WHEELS		ON OUTRIGGERS	
RADIUS FEET	ANGLE DEG.	TIP HGT	OVER SIDE	OVER END	OVER SIDE	OVER END
17	80.2	77	87,060	242,450	242,450	242,450
20	77.7	76	70,740	219,570	233,660	233,660
25	73.5	75	53,500	154,740	178,320	178,320
30	69.1	73	42,460	118,690	134,700	134,700
35	64.7	71	34,840	95,790	107,740	107,740
40	60.1	68	29,140	79,830	89,300	89,300
45	55.2	65	24,780	68,120	75,950	75,950
50	50.1	61	21,460	59,300	65,960	65,960
55	44.5	57	18,660	52,270	58,020	58,020
60	38.3	51	16,350	46,490	51,690	51,690
65	31.1	44	14,420	41,770	46,390	46,390
70	21.9	34	12,760	37,790	41,990	41,990
		14	0	0	0	0

Truck Weights: "Free on Wheels – Over End" @ Maximum Load  
 "Over End" Capacities: Maximum 20 Degrees Swing Rotation From Track Center  
 \* Assumes a 2000 lb. Hook Block Suspended at Boom Point

**MAINFALL RATINGS in lbs.**

**BOOM CONST,:** 70 Ft. (21.33 m) – 58" x 46" Chord Angle / Pipe Laced Boom  
**BOOM HOIST:** 13 Part with 1.375" Pendants  
**CRANE WEIGHT:** Approx. 315,900 Lbs. (143,293 kg)

COUNTERWEIGHT None			FREE ON WHEELS		ON OUTRIGGERS	
RADIUS FEET	ANGLE DEG.	TIP HGT	OVER SIDE	OVER END	OVER SIDE	OVER END
17	80.2	77	53,570	225,630	242,450	242,450
20	77.7	76	43,280	169,620	205,500	233,820
25	73.5	75	32,150	119,100	140,160	209,760
30	69.1	73	25,000	90,990	105,540	169,920
35	64.7	71	19,950	73,010	84,020	141,300
40	60.1	68	16,360	60,690	69,150	120,580
45	55.2	65	13,520	51,550	58,900	105,050
50	50.1	61	11,270	44,560	50,860	93,090
55	44.5	57	9,440	39,030	44,560	83,070
60	38.3	51	7,930	34,560	39,480	75,030
65	31.1	44	6,750	30,950	35,400	68,120
70	21.9	34	5,650	27,830	31,890	61,640
		14	0	0	0	0

Truck Weights: "Free on Wheels – Over End" @ Maximum Load  
 "Over End" Capacities: Maximum 20 Degrees Swing Rotation From Track Center  
 \* Assumes a 2000 lb. Hook Block Suspended at Boom Point