



AMERICAN Model 9320 900 Series Crawler Crane

LIFTING

Lift Crane Ratings In Pounds with 92HT Tubular Chord Boom and “T-T” Counterweight (140,000 lbs.)

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Lift Rating In Pounds	Feet From Boom Point To Ground	Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Lift Rating In Pounds	Feet From Boom Point To Ground	Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Lift Rating In Pounds	Feet From Boom Point To Ground
70 feet	17	81.4	500,000 *	76	130 feet	25	81.8	320,990	135	170 feet (cont.)	90	60.5	46,210	154
	20	78.9	425,480 *	75		30	79.6	235,880	134		100	56.6	39,750	148
	25	74.7	324,680	74		35	77.4	184,420	133		110	52.4	34,320	141
	30	70.4	237,130	72		40	75.1	150,750	132		120	48.0	29,890	132
	35	65.9	185,910	70		50	70.4	109,190	129		130	43.2	26,190	122
	40	61.3	152,340	67		60	65.7	84,390	125		140	38.0	23,060	110
	50	51.3	110,890	61		70	60.7	68,230	119		150	32.0	20,380	96
	60	39.5	86,230	50		80	55.5	56,560	113		160	24.8	18,060	77
80 feet	70	23.2	69,960	33		90	49.9	47,840	105		170	14.5	16,030	48
	18	81.8	475,930 *	86		100	43.8	41,060	96	180 feet	32	81.9	210,500	185
	20	80.3	424,920 *	85		110	36.8	35,830	84		35	80.9	182,660	184
	25	76.6	324,160 *	84		120	28.5	31,390	68		40	79.3	148,930	183
	30	72.9	237,060	83	140 feet	130	16.7	27,670	43		50	76.0	107,270	181
	35	69.1	185,760	81		27	81.6	281,750	145		60	72.7	82,340	178
	40	65.2	152,150	79		30	80.4	235,510	145		70	69.3	66,240	175
	50	56.9	110,660	73		35	78.3	184,010	144		80	65.9	54,520	170
	60	47.7	85,970	65		40	76.2	150,330	142		90	62.3	45,770	166
	70	36.8	69,720	54		50	71.9	108,740	139		100	58.6	39,320	160
	80	21.6	58,050	35		60	67.5	83,900	136		110	54.8	33,880	153
90 feet	20	81.4	424,090 *	96		70	63.0	67,760	131		120	50.8	29,440	145
	25	78.2	323,320 *	95		80	58.3	56,080	125		130	46.5	25,740	136
	30	74.9	236,770	93		90	53.3	47,350	118		140	41.9	22,610	126
	35	71.5	185,430	92		100	47.9	40,570	110		150	36.9	19,930	114
	40	68.1	151,810	90		110	42.1	35,380	99		160	31.1	17,610	98
	50	61.0	110,300	85		120	35.4	30,940	87		170	24.1	15,570	79
	60	53.3	85,580	78	150 feet	130	27.4	27,220	70		180	14.1	13,770	49
	70	44.8	69,350	69		140	16.1	24,080	44	190 feet	33	82.0	200,260	195
100 feet	80	34.6	57,700	57		28	81.8	264,200	155		35	81.4	182,250	194
	90	20.3	48,970	37		30	81.0	235,260	155		40	79.9	148,510	194
	21	81.7	398,300	106		35	79.1	183,700	154		50	76.8	106,810	191
	25	79.4	322,610	105		40	77.1	149,980	153		60	73.6	81,850	189
	30	76.4	236,550	104		50	73.1	108,340	150		70	70.5	65,750	185
	35	73.4	185,150	102		60	69.1	83,470	146		80	67.2	54,020	181
	40	70.4	151,500	101		70	64.9	67,330	142		90	63.9	45,250	177
	50	64.2	109,950	96		80	60.6	55,620	137		100	60.5	38,840	171
110 feet	60	57.5	85,190	90		90	56.1	46,880	130		110	56.9	33,390	165
	70	50.4	68,970	83		100	51.3	40,360	123		120	53.2	28,950	158
	80	42.3	57,310	73		110	46.2	34,920	114		130	49.3	25,250	150
	90	32.7	48,580	60		120	40.6	30,480	103		140	45.2	22,120	141
	100	19.2	41,800	38		130	34.2	26,770	90		150	40.7	19,440	130
	22	81.9	375,480	115		140	26.5	23,630	72		160	35.8	17,110	117
	25	80.3	321,860	114		150	15.5	20,930	45		170	30.2	15,070	101
	30	77.7	236,290	114	160 feet	29	81.9	248,500	165		180	23.4	13,280	81
120 feet	35	75.0	184,830	113		30	81.6	235,000	165		190	13.7	11,690	50
	40	72.3	151,150	111		35	79.8	183,370	164	200 feet	35	81.8	181,950	205
	50	66.7	109,560	107		40	77.9	149,610	163		40	80.4	148,160	204
	60	60.8	84,770	102		50	74.2	107,930	160		50	77.4	106,420	202
	70	54.6	68,560	96		60	70.5	83,020	157		60	74.5	81,420	199
	80	47.9	56,880	87		70	66.6	66,880	153		70	71.5	65,320	196
	90	40.2	48,150	77		80	62.6	55,150	148		80	68.4	53,560	192
	100	31.1	41,370	62		90	58.5	46,400	142		90	65.3	44,780	188
120 feet	110	18.3	36,030	40		100	54.1	39,890	136		100	62.1	38,370	183
	24	81.6	337,760 *	125		110	49.6	34,450	128		110	58.8	32,920	177
	25	81.1	321,660 *	125		120	44.6	30,000	118		120	55.4	28,470	170
	30	78.7	236,060	124		130	39.2	26,290	107		130	51.8	24,770	163
	35	76.3	184,670	123		140	33.0	23,150	93		140	48.0	21,630	154
	40	73.8	151,050	122		150	25.6	20,460	75		150	44.0	18,950	145
	50	68.7	109,540	118		160	15.0	18,120	47		160	39.7	16,620	133
	60	63.5	84,780	114	170 feet	31	81.7	222,010	175		170	34.9	14,590	120
	70	58.0	68,630	108		35	80.4	182,920	174		180	29.4	12,790	104
	80	52.1	56,970	101		40	78.6	149,240	173		190	22.8	11,190	83
	90	45.7	48,250	92		50	75.2	107,630	171		200	13.4	9,770	52
	100	38.4	41,500	80		60	71.6	82,750	168	210 feet	36	81.9	173,680	215
	110	29.7	36,230	65		70	68.1	66,650	164		40	80.8	147,820	214
	120	17.4	31,770	41		80	64.4	54,950	159		50	78.1	106,020	212

FORM No. 9320-CR-2
درس : میدان آرژانتین خیابان بخارست کوچه سیزدهم پلاک ۱ واحد ۱ شماره تماس : ۰۲۱-۸۴۳۱۶



” Counterweight (140,000 lbs.)

Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Lift Rating In Pounds	Feet From Boom Point To Ground	Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Lift Rating In Pounds	Feet From Boom Point To Ground	Boom Length (Feet)	Radius In Feet	Boom Angle Degrees	Lift Rating In Pounds	Feet From Boom Point To Ground
210 feet (cont.)	60	75.2	80,970	210	230 feet (cont.)	190	36.9	10,000	144	260 feet (cont.)	100	68.9	35,790	249
	70	72.4	64,870	207		200	32.4	8,580	129		110	66.5	30,310	245
	80	69.5	53,090	203		210	27.4	7,300	111		120	64.1	25,830	240
	90	66.6	44,290	199		220	21.2	6,140	89		130	61.6	22,100	235
	100	63.5	37,900	194		230	12.4	5,100	55		140	59.1	18,950	229
	110	60.4	32,450	189	240 feet	40	82.0	132,330 *	244		150	56.4	16,250	223
	120	57.2	27,990	183		50	79.6	104,780	243		160	53.8	13,910	216
	130	53.9	24,280	176		60	77.1	80,240	240		170	51.0	11,870	208
	140	50.4	21,140	168		70	74.7	63,630	238		180	48.1	10,070	199
	150	46.8	18,450	159		80	72.2	51,840	235		190	45.0	8,470	190
	160	42.9	16,120	149		90	69.6	43,030	231		200	41.8	7,040	179
	170	38.6	14,080	137		100	67.1	36,710	227		210	38.3	5,760	167
	180	34.0	12,280	123		110	64.4	31,250	223		220	34.6	4,600	153
	190	28.7	10,690	106		120	61.7	26,780	218	270 feet	45	81.8	95,570 *	274
	200	22.3	9,260	85		130	59.0	23,060	212		50	80.7	95,200 *	273
	210	13.0	7,980	53		140	56.1	19,930	205		60	78.6	78,970	271
220 feet	38	81.8	152,560 *	224		150	53.2	17,240	198		70	76.4	62,340	269
	40	81.3	147,300	224		160	50.1	14,910	190		80	74.2	50,520	266
	50	78.6	105,590	222		170	46.9	12,870	181		90	72.0	41,690	263
	60	75.9	80,580	220		180	43.6	11,080	171		100	69.7	35,430	260
	70	73.2	64,530	217		190	39.9	9,480	160		110	67.4	29,960	256
	80	70.5	52,760	214		200	36.0	8,060	147		120	65.1	25,490	251
	90	67.7	43,980	210		210	31.7	6,780	132		130	62.8	21,770	246
	100	64.8	37,630	205		220	26.8	5,630	114		140	60.3	18,630	241
	110	61.9	32,180	200	250 feet	230	20.8	4,590	91		150	57.9	15,940	235
	120	58.9	27,730	194		42	81.9	120,120 *	254		160	55.3	13,610	228
	130	55.8	24,030	188		50	80.0	104,400	253		170	52.7	11,570	221
	140	52.6	20,900	181		60	77.6	79,830	251		180	49.9	9,770	212
	150	49.2	18,220	172		70	75.3	63,200	248		190	47.1	8,180	204
	160	45.6	15,890	163		80	72.9	51,380	245		200	44.1	6,760	194
	170	41.8	13,860	152		90	70.5	42,560	242		210	40.9	5,470	183
	180	37.7	12,070	140		100	68.0	36,250	238		220	37.6	4,320	170
	190	33.2	10,480	126		110	65.5	30,780	234	280 feet	46	81.9	87,590 *	284
	200	28.0	9,060	109		120	63.0	26,300	229		50	81.1	87,250 *	283
	210	21.7	7,790	87		130	60.4	22,590	223		60	79.0	78,600	281
	220	12.7	6,640	54		140	57.7	19,440	217		70	76.9	61,940	279
230 feet	39	81.9	138,380 *	234		150	54.9	16,750	211		80	74.8	50,100	277
	40	81.6	138,380 *	234		160	52.1	14,410	203		90	72.6	41,250	274
	50	79.1	105,230	232		170	49.1	12,380	195		100	70.5	35,000	270
	60	76.6	80,180	230		180	45.9	10,580	185		110	68.3	29,520	266
	70	74.0	64,120	227		190	42.6	8,990	175		120	66.1	25,050	262
	80	71.4	52,330	224		200	39.1	7,560	163		130	63.8	21,320	257
	90	68.7	43,530	221		210	35.3	6,280	150		140	61.5	18,170	252
	100	66.0	37,190	216		220	31.1	5,110	134		150	59.1	15,470	246
	110	63.2	31,730	211	260 feet	230	26.2	4,070	116		160	56.7	13,140	240
	120	60.4	27,280	206		43	81.9	109,260 *	264		170	54.2	11,090	233
	130	57.5	23,570	200		50	80.4	104,010	263		180	51.6	9,290	225
	140	54.4	20,440	193		60	78.1	79,420	261		190	49.0	7,700	217
	150	51.3	17,740	185		70	75.9	62,760	259		200	46.2	6,270	208

Lift Crane Ratings In Kilograms
with 92HT Tubular Chord Boom and “T-T” Counterweight (63,504 kgs.)

Boom Length (Meters)	Radius In Meters	Boom Angle Degrees	Lift Rating In Kilograms	Meters From Boom Point To Ground	Boom Length (Meters)	Radius In Meters	Boom Angle Degrees	Lift Rating In Kilograms	Meters From Boom Point To Ground	Boom Length (Meters)	Radius In Meters	Boom Angle Degrees	Lift Rating In Kilograms	Meters From Boom Point To Ground
21.3 meters	5.2	81.4	226,800 *	23	24.4 meters (cont.)	12.0	65.7	70,650	24	27.4 meters (cont.)	18.0	54.1	39,680	24
	6.0	79.2	196,710 *	23		13.0	63.1	62,850	24		19.0	51.4	36,890	23
	7.0	76.4	163,050 *	23		14.0	60.4	56,520	23		20.0	48.7	34,380	22
	8.0	73.6	134,910	22		15.0	57.6	51,320	22		21.0	45.8	32,150	21
	9.0	70.8	110,410	22		16.0	54.7	46,900	22		22.0	42.7	30,150	20
	10.0	67.9	93,170	22		17.0	51.7	43,120	21		24.0	36.0	26,750	18
	11.0	64.9	80,480	21		18.0	48.6	39,860	20	30.5 meters	26.0	27.9	23,940	15
	12.0	61.9	70,730	21		19.0	45.4	37,010	19		6.4	81.7	180,660 *	32
	13.0	58.8	62,950	20		20.0	41.9	34,550	18		7.0	80.6	162,070 *	32
	14.0	55.5	56,620	19		21.0	38.1	32,320	17		8.0	78.6	134,700	32
	15.0	52.1	51,420	19		22.0	34.1	30,330	15		9.0	76.7	110,160	32
	16.0	48.6	47,010	18		24.0	24.0	26,920	12		10.0	74.8	92,830	31
	17.0	44.8	43,230	17	27.4 meters	6.1	81.4	192,370 *	29		11.0	72.8	80,120	31
	18.0	40.8	39,970	16		7.0	79.5	162,390 *	29		12.0	70.8	70,360	31
	19.0	36.3	37,130	14		8.0	77.3	134,780	29		13.0	68.8	62,540	30
	20.0	31.4	34,660	13		9.0	75.2	110,250	29		14.0	66.7	56,180	30
	21.0	25.5	32,420	11		10.0	73.0	92,950	28		15.0	64.7	51,000	29
24.4 meters	5.5	81.8	215,880 *	26		11.0	70.8	80,250	28		16.0	62.6	46,560	29
	6.0	80.5	196,450 *	26		12.0	68.6	70,500	27		17.0	60.4	42,780	28
	7.0	78.1	162,790 *	26		13.0	66.3	62,680	27		18.0	58.2	39,510	28
	8.0	75.7	134,900	26		14.0	63.9	56,340	27		19.0	55.9	36,730	27
	9.0	73.3	110,380	25		15.0	61.6	51,170	26		20.0	53.6	34,210	26
	10.0	70.8	93,110	25		16.0	59.2	46,730	25		21.0	51.2	31,980	26
	11.0	68.3	80,410	25		17.0	56.7	42,950	25		22.0	48.7	29,980	25