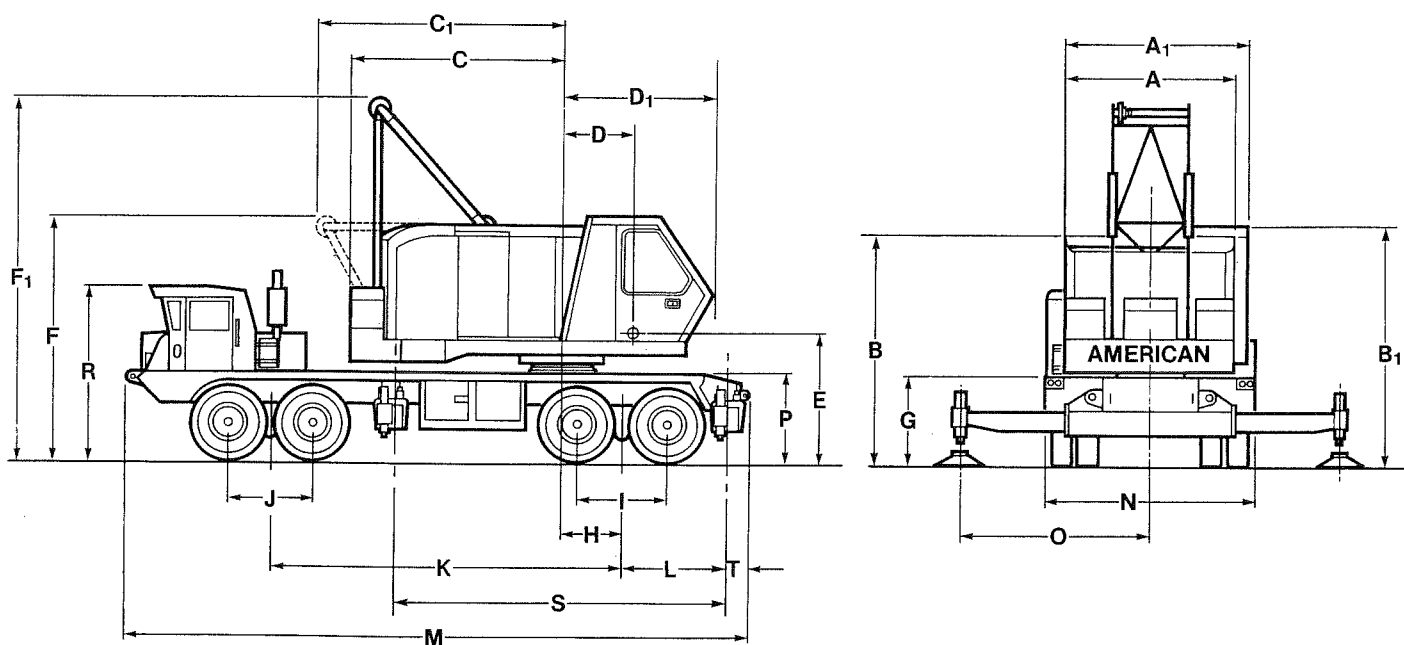




5530 CARRIER SPECIFICATIONS



GENERAL DIMENSIONS

	Ft.	M		Ft.	M
A. Width of cab	9'0"	2.74 m	K. Centerline of rear bogie to centerline of front bogie	18'9"	5.72 m
A ₁ . Width of cab plus operators cab	10'0"	3.05 m	L. Centerline of rear bogie to centerline of rear outrigger	5'6½"	1.69 m
B. Height to Top of Machinery Cab	11'11½"	3.66 m	M. Overall length	32'9½"	9.99 m
B ₁ . Height to top of operator's cab	12'1"	3.68 m	N. Overall width	11'0"	3.35 m
C. Tailswing	12'1"	3.68 m	O. Outriggers extended w/screw jacks	10'0"	3.05 m
C ₁ . Tailswing with A-frame lowered	13'8½"	4.18 m	O ₁ . Outriggers extended w/hydraulic outriggers	9'6"	2.90 m
D. Centerline of rotation to centerline of boom foot	3'8"	1.12 m	P. Height over mounting plate	4'4½"	1.33 m
D ₁ . Centerline of rotation to front of cab	7'10"	2.39 m	R. Height over carrier cab	8'10"	2.69 m
E. Ground to centerline boom foot	6'5½"	1.97 m	S. Centerline of rear outrigger to centerline of front outrigger	18'0½"	5.50 m
F. Height over A-Frame (lowered)	12'4½"	3.77 m	T. Center of rear outrigger to rear of carrier	1'0"	.3 m
F ₁ . Height over A-Frame (raised)	19'1½"	5.83 m	Outside turning radius (over bumper)	56'	17.07 m
G. Ground to bottom of counterweight	4'7"	1.40 m	Clearance (under rear equilibrating beam)	11"	.28 m
H. Centerline of rotation to centerline of rear bogie	3'6"	1.07 m	Clearance (under rear differential)	14"	.36 m
I. Distance between rear axles	4'10"	1.47 m			
J. Distance between front axles	4'6"	1.37 m			

FORM NO. 5530-TCC-8

DESIGNED TO MEET
ANSI
B30.5

AND OSHA STANDARDS

AMERICAN®

500 SERIES MODEL 5530 TRUCK CRANE

LIFT RATINGS IN POUNDS

With 47H Tubular Chord Lattice Boom and "P-P" Counterweight (26,500 lb)

Boom Length	Radius In Feet	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Feet From Boom Point
			Over Side	Over Rear	Over Front* Or Side	Over Rear	
40 feet	11	80.5	0	101520	150000	150000	46
	12	79.0	0	89300	150000	150000	46
	15	74.6	0	65450	135320	135320	45
	20	67.0	0	44970	101470	101470	43
	25	58.8	30040	34080	71240	76920	41
	30	49.9	23850	27290	53380	58100	37
	35	39.5	19640	22620	42500	46500	32
	40	25.8	16640	19260	35220	38680	24
50 feet	13	80.1	0	79500	150000	150000	56
	15	77.7	0	65280	135210	135210	55
	20	71.8	38130	44790	101380	101380	54
	25	65.6	29890	33930	71220	76880	52
	30	59.1	23710	27130	53330	58040	49
	35	52.0	19490	22460	42410	46410	46
	40	44.2	16500	19120	35130	38590	41
	50	22.9	12400	14510	25900	28610	26
60 feet	14	80.8	0	71480	144720	144720	66
	15	79.8	0	65090	135110	135110	66
	20	74.9	37780	44590	101290	101290	64
	25	69.9	29730	33750	71160	76810	63
	30	64.7	23550	26960	53240	57940	61
	35	59.2	19320	22280	42310	46300	58
	40	53.4	16340	18950	35030	38480	55
	50	40.1	12240	14350	25770	28490	45
70 feet	16	80.5	45560	59500	126530	126530	75
	20	77.1	37520	44440	101200	101200	75
	25	72.9	29600	33610	71110	76750	73
	30	68.5	23420	26830	53180	57870	72
	35	64.0	19190	22150	42230	46210	69
	40	59.3	16220	18830	34950	38400	67
	50	49.2	12120	14220	25670	28380	59
	60	37.0	9490	11260	20090	22320	49
80 feet	17	80.9	42820	54620	118950	118950	85
	20	78.7	37140	44210	101120	101120	85
	25	75.1	29390	33390	71010	76640	84
	30	71.3	23230	26630	53060	57750	82
	35	67.5	18990	21940	42090	46070	80
	40	63.5	16030	18630	34810	38250	78
	50	55.1	11920	14020	25520	28230	72
	60	45.8	9280	11040	19910	22140	64
90 feet	19	80.7	38520	47030	106380	106380	95
	20	80.0	36760	43960	101030	101030	95
	25	76.8	29180	33170	70900	76520	94
	30	73.5	23020	26410	52930	57600	93
	35	70.1	18780	21730	41940	45910	91
	40	66.7	15840	18430	34660	38100	89
	50	59.5	11720	13810	25350	28050	84
	60	51.7	9080	10830	19730	21950	77
100 feet	21	80.4	34980	41190	89770	89770	105
	25	78.1	29000	32990	70790	76400	104
	30	75.2	22860	26250	52810	57480	103
	35	72.2	18610	21550	41800	45760	102

Boom Length	Radius In Feet	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Feet From Boom Point
			Over Side	Over Rear	Over Front* Or Side	Over Rear	
100 feet (cont.)	40	69.1	15680	18270	34530	37970	100
	50	62.8	11560	13650	25210	27910	95
	60	56.1	8920	10670	19590	21810	89
	70	48.9	7180	8690	15920	17810	82
	80	40.7	5830	7150	13230	14870	72
	90	30.7	4790	5960	11200	12650	58
	100	16.0	3970	5030	9620	10920	34
110 feet	22	80.8	33250	38680	73420	73420	115
	25	79.2	28780	32760	70670	73420	115
	30	76.5	22640	26020	52670	57330	113
	35	73.8	18390	21330	41640	45600	112
	40	71.1	15470	18060	34370	37810	111
	50	65.5	11350	13430	25040	27740	107
	60	59.6	8840	10590	19540	21760	101
	70	53.3	6980	8480	15750	17630	95
	80	46.4	5630	6950	13050	14680	86
	90	38.7	4580	5750	11010	12460	75
	100	29.2	3760	4810	9430	10720	60
	110	15.2	3100	4060	8170	9350	35
120 feet	24	80.6	30200	34310	61350	61350	125
	25	80.1	28560	32530	61350	61350	125
	30	77.7	22430	25800	52530	57190	124
	35	75.2	18180	21110	41490	45440	122
	40	72.7	15260	17850	34210	37640	121
	50	67.6	11140	13220	24860	27560	117
	60	62.4	8630	10380	19360	21580	113
	70	56.8	6790	8290	15580	17460	107
	80	50.8	5430	6740	12870	14500	100
	90	44.3	4380	5550	10830	12270	90
	100	37.0	3560	4620	9240	10540	79
	110	28.0	2890	3850	7980	9150	63
130 feet	120	14.5	2350	3240	6950	8020	37
	25	80.9	—	—	51400	51400	135
	30	78.6	—	—	51160	51160	134
	35	76.4	—	—	41330	45280	133
	40	74.1	—	—	34060	37490	131
	50	69.4	—	—	24700	27390	128
	60	64.6	—	—	19200	21420	124
	70	59.6	—	—	15420	17300	119
	80	54.4	—	—	12700	14340	112
	90	48.7	—	—	10660	12110	104
	100	42.5	—	—	9080	10380	94
	110	35.4	—	—	7810	8980	82
140 feet	120	26.8	—	—	6780	7850	65
	130	13.9	—	—	5930	6910	38
	27	80.7	—	—	43830	43830	145
	30	79.5	—	—	43740	43740	144
	35	77.4	—	—	41170	43180	143
	40	75.3	—	—	33900	37320	142
	50	71.0	—	—	24520	27210	139
	60	66.6	—	—	19040	21250	135
	70	62.0	—	—	15230	17110	130
	80	57.3	—	—	12520	14150	124
	90	52.2	—	—	10470	11910	117
	100	46.8	—	—	8890	10180	109
150 feet	110	40.9	—	—	7610	8780	98
	120	34.1	—	—	6580	7640	85
	130	25.8	—	—	5710	6690	67
	140	13.4	—	—	4990	5900	39

*With optional front outrigger

(Continued)



LIFT RATINGS (cont.)

With 47H Tubular Chord Lattice Boom and "P-P" Counterweight (26,500 lb)

Boom Length	Radius In Feet	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Feet From Boom Point
			Over Side	Over Rear	Over Front* Or Side	Over Rear	
150 feet	28	80.9	—	—	36910	36910	155
	30	80.2	—	—	36850	36850	154
	35	78.2	—	—	36410	36410	153
	40	76.3	—	—	33740	35920	152
	50	72.3	—	—	24340	27030	149
	60	68.2	—	—	18850	21060	146
	70	64.0	—	—	15060	16930	141
	80	59.7	—	—	12330	13960	136
	90	55.1	—	—	10290	11730	130
	100	50.3	—	—	8700	9990	122
	110	45.1	—	—	7420	8590	113
	120	39.4	—	—	6370	7440	102
	130	32.9	—	—	5510	6490	88
	140	24.9	—	—	4780	5690	70
	150	13.0	—	—	4170	5020	40
160 feet	30	80.8	—	—	32060	32060	164
	35	79.0	—	—	31660	31660	164
	40	77.1	—	—	31090	31090	162
	50	73.4	—	—	24170	26850	160
	60	69.6	—	—	18700	20910	156
	70	65.8	—	—	14880	16760	152
	80	61.8	—	—	12160	13790	147
	90	57.6	—	—	10110	11550	142

Boom Length	Radius In Feet	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Feet From Boom Point
			Over Side	Over Rear	Over Front* Or Side	Over Rear	
160 feet (cont.)	100	53.2	—	—	8520	9810	135
	110	48.6	—	—	7240	8410	126
	120	43.6	—	—	6200	7260	117
	130	38.1	—	—	5330	6310	105
	140	31.8	—	—	4600	5510	91
	150	24.1	—	—	3980	4830	72
	160	12.5	—	—	3450	4240	41
170 feet	31	81.0	—	—	28030	28030	174
	35	79.6	—	—	27710	27710	174
	40	77.9	—	—	27190	27190	173
	50	74.4	—	—	23990	25400	170
	60	70.9	—	—	18520	20720	167
	70	67.3	—	—	14710	16580	163
	80	63.6	—	—	11970	13590	159
	90	59.7	—	—	9920	11360	153
	100	55.7	—	—	8320	9610	147
	110	51.5	—	—	7040	8210	140
	120	47.1	—	—	5990	7060	131
	130	42.2	—	—	5130	6110	121
	140	36.9	—	—	4390	5300	109
	150	30.8	—	—	3770	4620	94
	160	23.4	—	—	3230	4020	74
	170	12.1	—	—	2780	3520	42

* With optional front outrigger

5530.31

LIFT RATINGS IN KILOGRAMS

With 47H Tubular Chord Lattice Boom and "P-P" Counterweight (12020 Kg.)

Boom Length	Radius In Meters	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Meters From Boom Point
			Over Side	Over Rear	Over Front* Or Side	Over Rear	
12.19M (40')	3.3	80.7	0	47160	68040	68040	14.0
	3.5	79.8	0	43190	68040	68040	14.0
	4.0	77.4	0	35640	68040	68040	13.9
	4.5	75.0	0	30320	62360	62360	13.7
	5.0	72.5	0	26340	56110	56110	13.6
	6.0	67.5	0	20810	46600	46600	13.2
	7.0	62.2	13180	17150	37310	39040	12.3
	8.0	56.7	12800	14560	29830	32290	12.2
	9.0	50.8	11040	12610	24800	26980	11.4
	10.0	44.3	9660	11090	21170	23120	10.5
	11.0	36.9	8570	9880	18440	20200	9.3
	12.0	27.3	7690	8900	16320	17920	7.7
15.24M (50')	3.8	80.7	0	38270	68040	68040	17.0
	4.5	78.0	0	30250	62310	62310	16.9
	5.0	76.1	0	26260	56060	56060	16.8
	6.0	72.2	17540	20730	46540	46540	16.5
	7.0	68.1	15110	17070	37310	39020	16.1
	8.0	64.0	12730	14480	29810	32260	15.7
	9.0	59.7	10970	12550	24780	26950	15.1
	10.0	55.2	9590	11020	21140	23080	14.5
	11.0	50.4	8500	9810	18410	20160	13.7
	12.0	45.3	7630	8830	16280	17880	12.8
	13.0	39.6	6890	8010	14570	16030	11.7
	14.0	33.1	6270	7310	13170	14520	10.3
	15.0	25.2	5730	6710	11990	13240	8.5
3.29M (60')	4.3	80.7	0	32070	65140	65140	20.0
	4.5	80.0	0	30160	62270	62270	20.0
	5.0	78.4	20350	26170	56010	56010	19.9
	6.0	75.2	17380	20640	46420	46420	19.7
	7.0	71.9	15030	16990	37290	38820	19.4
	8.0	68.6	12650	14400	29780	32220	19.0
	9.0	65.2	10900	12470	24740	26910	18.6
	10.0	61.6	9520	10940	21100	23040	18.1
	11.0	58.0	8420	9720	18350	20100	17.5
	12.0	54.2	7560	8760	16240	17840	16.8
	13.0	50.2	6820	7930	14520	15980	16.0
	14.0	45.9	6200	7230	13110	14460	15.1
	15.0	41.3	5660	6630	11930	13190	14.0

Boom Length	Radius In Meters	Boom Angle Degrees	Free Ratings		Outriggers Extended & Set		Meters From Boom Point
			Over Side	Over Rear	Over Front* Or Side	Over Rear	
3.29M (60') (cont.)	16.0	36.2	5200	6110	10940	12110	12.3
	17.0	30.4	4800	5660	10090	11180	11.2
	18.0	23.3	4450	5260	9350	10380	9.2
21.34M (70')	4.7	80.9	21320	28360	59560	59560	23.0
	5.5	78.3	18650	23040	50900	50900	22.9
	6.0	77.4	17260	20570	46310	46310	22.3
	7.0	74.8	14960	16920	37260	38850	22.5
	8.0	71.3	12590	14330	29760	32200	22.0
	9.0	68.9	10840	12410	24710	26880	21.3
	10.0	66.0	9460	10890	21060	23000	21.5
	11.0	63.0	8360	9670	18310	20060	21.0
	12.0	59.9	7510	8710	16210	17800	20.4
	13.0	56.3	6770	7890	14490	15940	19.3
	14.0	53.5	6150	7180	13080	14420	19.1
	15.0	50.0	5610	6580	11890	13140	18.0
	16.0	46.4	5150	6060	10900	12070	17.4
	17.0	42.5	4740	5610	10040	11140	16.4
	18.0	38.3	4390	5200	9300	10330	15.2
	19.0	33.8	4100	4870	8670	9640	13.3
	20.0	28.3	3820	4550	8100	9020	12.1
24.38M (80')	5.2	80.9	19360	24660	53760	53760	26.0
	6.0	79.0	17090	20470	46150	46150	25.9
	7.0	76.6	14860	16810	37230	38580	25.7
	8.0	74.1	12500	14230	29700	32140	25.4
	9.0	71.7	10750	12310	24660	26820	25.1
	10.0	69.2	9370	10790	21000	22930	24.3
	11.0	66.6	8270	9570	18250	19990	24.3
	12.0	64.0	7420	8620	16140	17730	23.9
	13.0	61.4	6680	7790	14420	15880	23.4
	14.0	58.6	6050	7080	13000	14350	22.3
	15.0	55.8	5520	6490	11820	13070	22.1
	16.0	52.9	5060	5960	10820	11990	21.4
	17.0	49.9	4650	5510	9970	11060	20.3
	18.0	46.7	4300	5110	9220	10250	19.7
	19.0	43.4	4020	4790	8600	9580	18.7
	20.0	39.8	3740	4470	8030	8940	17.3
	22.0	31.6	3260	3920	7050	7880	14.7
	24.0	20.7	2860	3470	6270	7020	10.6

*With optional front outrigger



500 SERIES TRUCK CRANE MODEL 5530 NO. 7HL JIB RATINGS WITH 47H BOOM

No. 7HL JIB RATINGS

With 47H Tubular Chord Boom and "P-P" (26,500 lb.) Counterweight

Boom Length	Load Radius In Feet	30 Ft. Jib			40 Ft. Jib			50 Ft. Jib			60 Ft. Jib		
		5° Offset	15° Offset	25° Offset	5° Offset	15° Offset	25° Offset	5° Offset	15° Offset	25° Offset	5° Offset	15° Offset	25° Offset
90'	28	18,000											
	30	18,000											
	35	18,000											
	40	18,000											
	50	18,000											
	60	18,000											
	70	15,790	15,790	15,800									
	80	13,120	13,120	13,120									
	90	11,120	11,120	11,120									
110'	29	18,000											
	30	18,000											
	31	18,000											
	35	18,000											
	40	18,000											
	50	18,000											
	60	18,000											
	70	15,410	15,410	15,410	15,470	15,470	15,470	15,470	15,470	15,470			
130'	80	12,740	12,740	12,740	12,790	12,790	12,790	12,790	12,790	12,790			
	90	10,720	10,720	10,720	10,790	10,790	10,790	10,790	10,790	10,790			
	100	9,160	9,160	9,160	9,220	9,220	9,220	9,220	9,220	9,220			
	110	7,910	7,910	7,920	7,970	7,970	7,970	7,970	7,970	7,970			
	32	18,000											
	34	18,000											
	35	18,000											
	37	18,000											
150'	40	18,000											
	50	18,000											
	60	18,000											
	70	15,020	15,020	15,020	15,070	15,070	15,070	15,070	15,070	15,070			
	80	12,340	12,340	12,340	12,400	12,400	12,400	12,400	12,400	12,400			
	90	10,330	10,330	10,330	10,390	10,390	10,390	10,390	10,390	10,390			
	100	8,760	8,770	8,770	8,810	8,810	8,810	8,810	8,810	8,810			
	110	7,510	7,510	7,520	7,560	7,560	7,560	7,560	7,560	7,560			
170'	120	6,480	6,480	6,490	6,540	6,540	6,540	6,540	6,540	6,540			
	130	5,630	5,640	5,640	5,680	5,680	5,680	5,680	5,680	5,680			
	35	16,000											
	37	16,000											
	40	16,000											
	42	16,000											
	50	16,000											
	60	16,000											
190'	70	14,810	14,240	12,880	15,380	13,730	11,280	14,330	12,890	12,890			
	80	11,930	11,930	11,560	11,990	11,990	10,400	13,580	11,980	9,910	12,770		
	90	9,910	9,910	9,920	9,970	9,970	8,400	12,040	11,440	9,360	11,770	10,180	8,500
	100	8,340	8,340	8,340	8,400	8,400	7,140	10,020	10,020	9,030	10,520	9,120	8,120
	110	7,090	7,090	7,090	7,130	7,130	6,110	8,450	8,450	8,450	8,470	7,820	7,820
	120	6,050	6,060	6,060	6,110	6,110	5,250	7,180	7,180	7,180	7,210	6,190	6,190
	130	5,200	5,200	5,210	5,250	5,250	4,530	6,160	6,160	6,160	6,190	5,320	5,320
	140	4,470	4,480	4,480	4,530	4,530	3,920	5,300	5,300	5,300	5,320	4,600	4,610
210'	150	3,860	3,860	3,860	3,910	3,910	3,920	4,570	4,580	4,580	4,600	3,980	3,990
	38	13,510											
	40	13,840											
	41												
	43												
	45												
	50	12,480	11,390	9,480	11,800	10,470		11,670					
	60	11,890	10,730	8,050	11,040	9,940		11,110			10,800		
230'	70	10,870	10,110	8,540	10,270	9,360	8,130	10,400	8,110	7,230	10,440		
	80	10,140	9,430	8,000	9,600	8,600	7,310	9,660	8,630	6,970	9,730	8,270	6,150
	90	9,420	8,810	7,490	8,920	8,250	6,890	8,050	8,130	6,630	9,070	7,890	5,900
	100	7,950	7,950	6,950	7,980	7,710	6,430	8,390	7,630	6,260	8,460	7,470	5,820
	110	6,680	6,680	6,450	6,730	6,730	5,700	7,820	7,160	5,900	7,320	6,590	5,330
	120	5,680	5,660	5,660	5,700	5,700	4,840	6,780	6,700	5,530	6,800	6,160	5,010
	130	4,800	4,800	4,800	4,840	4,840	4,120	5,740	5,740	5,140	5,770	5,140	4,370
	140	4,080	4,070	4,070	4,110	4,110	3,490	4,890	4,890	4,160	4,910	4,100	3,470
250'	150	3,450	3,450	3,450	3,490	3,490	2,950	4,160	4,160	3,540	4,180	3,580	3,570
	160	2,920	2,920	2,920	2,950	2,950	2,490	3,540	3,510	3,000	3,020	3,020	2,560
	170	2,440	2,440	2,450	2,480	2,490		3,000	3,000	2,530	2,550	2,550	