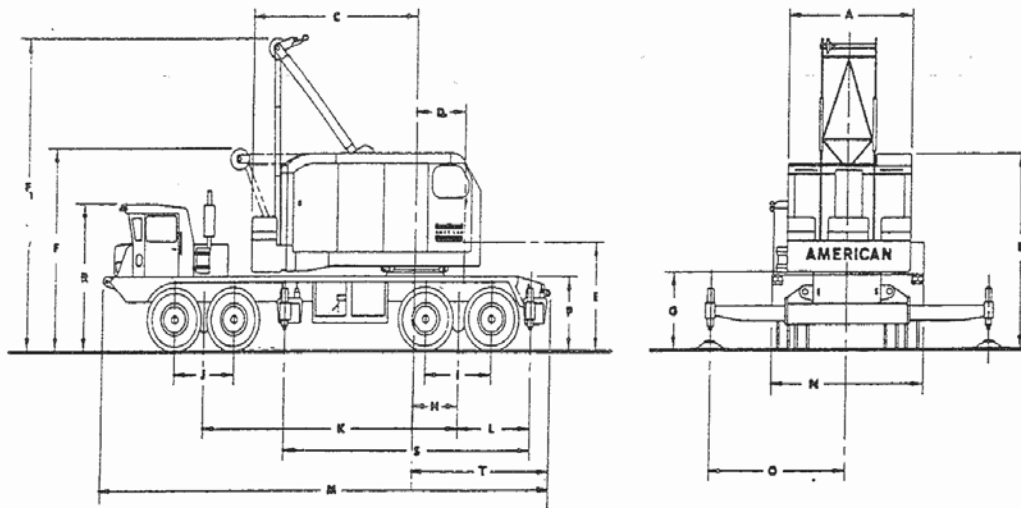




# 7530 CARRIER SPECIFICATIONS



## GENERAL SPECIFICATIONS

A.	Width of cab .....	10'6"	L.	Centerline of rear bogie to centerline of rear outrigger .....	6'5½"
B.	Height to top of cab .....	12'11¼"	M.	Overall length .....	35'8"
C.	Tail Swing .....	14'5½"	N.	Overall width .....	11'0"
C'	Tailswing with A-frame retracted .....	16'9½"	O.	Outriggers extended w/hydraulic outriggers .....	11'0"
D.	Centerline of rotation to centerline of boom foot .....	4'1½"	P.	Height over mounting plate .....	4'5"
E.	Ground to centerline boom foot .....	6'9¼"	R.	Height over carrier cab .....	9'3"
F.	Height over A-Frame (lowered) .....	13'5"	S.	Centerline of rear outrigger to centerline of front outrigger .....	20'4½"
F <sub>1</sub>	Height over A-Frame (raised) .....	21'9½"	T.	Distance from $\Phi$ rotation to rear bumper .....	10'10½"
G.	Ground to bottom of counterweight .....	5'2"		Turning radius .....	55'0"
H.	Centerline of rotation to centerline of rear bogie .....	3'6"		Clearance (under rear equalizing beam) ..	7¾"
I.	Distance between rear axles .....	5'4"		Clearance (under rear differential) .....	15¼"
J.	Distance between front axles .....	5'0"			
K.	Centerline of rear bogie to centerline of front bogie .....	19'10"			

# 7530 CARRIER SPECIFICATIONS

Specifications for AMERICAN MODEL 7530, 125 ton, 238" wheelbase, 8 x 4 carrier.

**FRAME:** Box welded frame members designed and manufactured to provide adequate support for crane weight and capacities; high strength alloy steel used throughout the construction of the carrier; tow bars are provided front and rear; full length fenders, locked side mounted storage box and float storage racks.

**HYDRAULIC OUTRIGGERS:** Two independent housings fabricated from "T-1" steel or equivalent; outrigger beams with horizontal and vertical hydraulic movements; automatic check and manual shutoff valves in hydraulic jacks to assure maximum safety for all lifts; hardened chrome plated rams; fitted with 36" dia. aluminum floats, pin connected and removable; maximum stroke of vertical jacks is 12 inches; maximum lift under floats is 9 inches; this dimension can be adjusted to suit customer's requirements when installing the hydraulic jacks; outrigger controls are located at side of carrier with controls for RH outriggers on RH side of carrier and controls for LH outriggers on LH side.

**ENGINE:** Cummins NTC-350 diesel engine, 6 cylinder, 5-1/2" bore x 6" stroke, 855 cu. in. displacement, rated 350 H.P. at 2100 R.P.M. thermostatically controlled radiator shutters.

**OPTIONAL ENGINE:** Detroit Diesel (GM) 8V-71-N Model No. 7087-7040 diesel engine, 8 cylinder, 4-1/4" bore x 5" stroke, 1567.4 cu. in. displacement, rated 318 H.P. at 2100 R.P.M.

**FUEL TANK:** One 100 (U.S.) gallon safety fuel tank.

**ELECTRICAL:** 12 volt system; 500 watt alternator; 2-12 volt batteries in parallel.

**POWER STEERING:** Garrison Twin-ram hydraulic power steering with Ross cam, 20" dia. steering wheel.

**CLUTCH:** Spicer 14" 2 plate pull type clutch hydraulically actuated.

**MAIN TRANSMISSION:** Fuller Model T-905-B five speeds forward and one reverse.

Ratios:	First	6.35:1
	Second	3.75:1
	Third	2.04:1
	Fourth	1.16:1
	Fifth	1.00:1
	Reverse	6.48:1

**AUXILIARY TRANSMISSION:** Spicer Model 1241-C, four speed.

Ratios:	First	2.37:1
	Second	1.24:1
	Third	1.00:1
	Fourth	0.81:1

**FRONT AXLES:** Shuler FTCA-34L-10 in tandem.

**REAR AXLE:** Clark Planetary BD-90,000 tandem assembly non-spin differential on leading axle; ratio 9.00:1.

**SUSPENSION:** Hendrickson solid mount with rubber bushed torque rods front and rear.

**PROPEL SHAFT:** Mechanics needle bearing.

**SERVICE BRAKES:** Air on all wheels with 14.5 c.f.m. air compressor and two reservoirs; lining area 20" x 7" (1000 sq. in.) rear; 17-1/2" x 4" (495 sq. in.) front; 1495 sq. in. total lining area.

**EMERGENCY BRAKES:** Spring set, air release system on both rear axles with operator's control on dash panel; air reservoir for release of spring set chambers.

**WHEELS:** Cast spoke front; rear integrally cast with axles; 10:00 x 24 rims.

**TIRES:** Michelin 14:00 x 24, 4 steel ply.

**CAB:** One man 32" wide; fully enclosed; off set to left side; removable panel for engine access; boom guide; Bostrom driver's seat.

**STANDARD EQUIPMENT:** West Coast type mirrors, air windshield wiper, windshield washer, heater, defroster, sealed beam oval headlights, front and rear directional signals, combinations top and tail lights, backup lights, clearance lights on cap top and side, electric air horn, seat belts, dome light, indirect lighted instrument panel, speedometer, ammeter, fuel gauge, engine temperature indicator, air pressure gauge, oil pressure gauge, low air pressure warning signal, and tachometer.

**TOOLS:** Air valve and tire inflation kit, wheel wrench and bar axle bearing wrench.

**OPTIONAL ACCESSORIES:** Remote control of hydraulic outrigger from crane cab, remote control of carrier from crane cab, ether cold weather starting aid, inter axle differential, spare tire and rim, engine brake.

## PERFORMANCE:

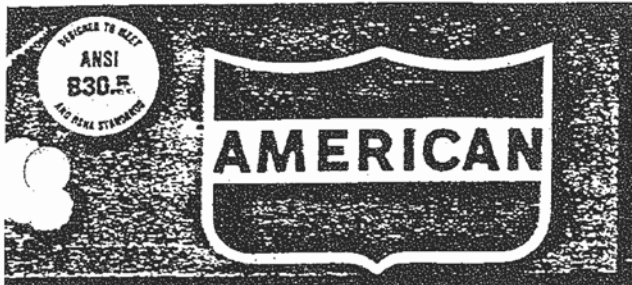
### STANDARD ENGINE Cummins NTC-350

Maximum governed speed	42 MPH
Minimum governed speed	1.71 MPH
Maximum Gradeability (off highway with CTWT)	29%

### OPTIONAL ENGINE Detroit Diesel (GM) 8V-71-N

Maximum governed speed	42 MPH
Minimum governed speed	1.71 MPH
Maximum gradeability (off highway with CTWT)	25%

**NOTE:** In accordance with varying material situations, and the Company's policy of constant product improvement, these specifications subject to change without notice and without incurring responsibility to units previously sold.



# 700 SERIES MODEL 7530 TRUCK CRANE

## LIFT RATINGS

With 59H Tubular Chord Hammerhead Boom and "P-P" Counterweight (33,700 lbs.)

Boom Length in Feet	Radius in Feet	Boom Angle Degrees	Outriggers Free		Outriggers Set		Ft. From Boom Pt. to Ground	Min. Load Line
			Over Side	Over Rear	Over Side	Over Rear		
40 feet	11	82.8	—	91090	250000	250000	47	10
	12	81.3	—	87730	250000	250000	47	10
	15	77.0	—	78920	205060	205060	46	8
	20	69.6	—	67160	145190	145190	45	6
	25	61.7	31390	50680	111910	111910	43	5
	30	53.1	26050	40390	90710	90710	39	4
	35	43.3	22060	33350	73810	74420	35	3
	40	30.9	18960	28220	60380	61380	28	3
50 feet	13	81.9	—	84120	238730	238730	57	10
	15	79.6	—	78460	205030	205030	57	8
	20	73.8	—	67040	145120	145120	55	6
	25	67.7	31160	50630	111830	111830	54	5
	30	61.3	25840	40330	90630	90630	51	4
	35	54.5	21880	33300	73910	74490	48	3
	40	47.0	18810	28170	60470	61440	44	3
	50	27.4	14330	21180	43860	45050	30	2
60 feet	14	82.3	—	80690	221500	221500	67	9
	15	81.3	—	77970	204910	204910	67	8
	20	76.5	38380	66580	144970	144970	66	6
	25	71.6	30860	50500	111670	111670	64	5
	30	66.5	25560	40200	90460	90460	62	4
	35	61.1	21610	33160	73920	74480	60	3
	40	55.5	18560	28040	60450	61410	57	3
	50	42.6	14120	21070	43850	45010	48	2
60	24.8	11030	16530	33960	35110	32	2	
70 feet	15	82.6	—	77450	204750	204750	77	8
	20	78.5	38040	66100	144780	144780	76	6
	25	74.3	30540	50340	111460	111460	75	5
	30	70.0	25240	40030	90250	90250	73	4
	35	65.6	21310	32990	73880	74410	71	3
	40	61.0	18270	27870	60390	61320	69	3
	50	51.0	13850	20910	43760	44920	62	2
	60	39.3	10800	16380	33890	35030	52	2
70	22.9	8530	13180	27320	28390	34	2	
80 feet	16	82.8	—	74460	189050	189050	87	8
	20	79.9	37730	65680	144600	144600	86	6
	25	76.3	30240	50190	111270	111270	85	5
	30	72.6	24960	39870	90050	90050	84	4
	35	68.8	21030	32830	73830	74340	82	3
	40	64.9	18000	27700	60320	61240	80	3
	50	56.6	13600	20750	43670	44810	74	2
	60	47.5	10560	16230	33790	34920	66	2
70	36.6	8330	13050	27230	28300	55	2	
80	21.3	6580	10670	22540	23530	36	1	
90 feet	17	83.0	43570	71550	175420	175420	97	7
	20	81.0	37360	65180	144370	144370	96	6
	25	77.8	29880	49990	111020	111020	95	5
	30	74.5	24610	39670	89790	89790	94	4
	35	71.2	20690	32610	73740	74230	93	3
	40	67.8	17660	27490	60200	61100	91	3
	50	60.7	13280	20530	43520	44660	86	2
	60	53.1	10260	16020	33630	34750	79	2
70	44.6	8030	12850	27080	28130	70	2	
80	34.4	6320	10490	22400	23380	58	1	
90	20.0	4940	8640	18880	19780	38	1	
100 feet	19	82.5	38860	66670	153230	153230	107	6
	20	81.9	36970	64670	144120	144120	107	6
	25	79.0	29500	49780	110760	110760	106	5
	30	76.1	24240	39450	89520	89520	105	4
	35	73.2	20330	32390	73640	74100	103	3

Boom Length in Feet	Radius in Feet	Beam Angle Degrees	Outriggers Free		Outriggers Set		Ft. From Boom Pt. to Ground	Min. Load Line
			Over Side	Over Rear	Over Side	Over Rear		
100 feet cont.	40	70.1	17310	27260	60070	60950	102	3
	50	63.9	12940	20300	43360	44480	97	2
	60	57.3	9920	15790	33460	34570	92	2
	70	50.2	7710	12620	26900	27940	84	2
	80	42.1	6020	10270	22220	23190	74	1
	90	32.5	4660	8440	18710	19610	61	1
	100	18.9	3540	6970	15970	16800	39	1
	110 feet	20	82.7	36580	64160	143870	143870	117
25		80.0	29120	49560	110490	110490	116	5
30		77.4	23870	39220	89240	89240	115	4
35		74.7	19960	32150	73520	73960	114	3
40		72.0	16950	27020	59930	60800	112	3
50		66.4	12590	20060	43190	44300	108	2
60		60.6	9580	15540	33270	34370	103	2
70		54.4	7380	12380	26700	27740	97	2
80		47.7	5690	10030	22020	22990	89	1
90		40.1	4350	8210	18520	19410	78	1
100		31.0	3260	6760	15790	16510	64	1
110	18.0	2330	5560	13580	14350	41	1	
120 feet	21	82.8	34500	61830	135520	135520	127	6
	25	80.9	28780	49370	110240	110240	126	5
	30	78.5	23530	39010	88980	88980	125	4
	35	76.0	19630	31940	73410	73830	124	3
	40	73.5	16620	26800	59790	60640	123	3
	50	68.5	12270	19830	43030	44120	119	2
	60	63.3	9270	15320	33090	34190	115	2
	70	57.8	7080	12150	26520	27550	109	2
	80	51.9	5400	9810	21830	22790	102	1
	90	45.5	4060	8000	18330	19220	93	1
	100	38.3	2980	6550	15600	16420	82	1
110	29.6	2070	5360	13410	14180	66	1	
120	17.2	1280	4360	11600	12310	42	1	
130 feet	22	82.9	32520	58060	127970	127970	137	5
	25	81.6	28400	49150	109970	109970	136	5
	30	79.4	23150	38780	88700	88700	135	4
	35	77.1	19260	31700	73280	73690	134	3
	40	74.8	16250	26560	59640	60480	133	3
	50	70.2	11910	19580	42850	43930	130	2
	60	65.5	8920	15070	32890	33980	126	2
	70	60.5	6730	11900	26310	27330	121	2
	80	55.3	5060	9560	21620	22570	114	1
	90	49.7	3730	7750	18110	18990	107	1
	100	43.6	2650	6300	15380	16200	97	1
	110	36.7	1750	5120	13200	13960	85	1
	120	28.4	990	4130	11400	12110	69	1
130	16.5	—	3280	9890	10550	44	1	
140 feet	24	82.6	—	—	111160	111160	146	5
	25	82.2	—	—	109690	109690	146	5
	30	80.1	—	—	88400	88400	145	4
	35	78.0	—	—	73160	73540	144	3
	40	75.9	—	—	59490	60300	143	3
	50	71.7	—	—	42660	43730	140	2
	60	67.3	—	—	32690	33770	137	2
	70	62.8	—	—	26090	27110	132	2
	80	58.1	—	—	21400	22350	126	1
	90	53.1	—	—	17890	18760	119	1
	100	47.8	—	—	15160	15970	111	1
110	41.9	—	—	12970	13730	101	1	
120	35.3	—	—	11180	11880	88	1	
130	27.3	—	—	9680	10340	71	1	
140	15.9	—	—	8390	9010	45	1	

(Continued)

# LIFT RATINGS (cont.)

With 59H Tubular Chord Hammerhead Boom

Boom Length In Feet	Radius In Feet	Boom Angle Degrees	Outriggers Free		Outriggers Set		Ft. From Boom Pt. to Ground	Min. Load Line
			Over Side	Over Rear	Over Side	Over Rear		
150 feet	25	82.7	--	--	96520	96520	156	4
	30	80.8	--	--	88110	88110	156	4
	35	78.8	--	--	73020	73360	155	3
	40	76.9	--	--	59330	60130	154	3
	50	72.9	--	--	42470	43530	151	2
	60	68.9	--	--	32480	33550	147	2
	70	64.8	--	--	25870	26880	143	2
	80	60.4	--	--	21170	22110	138	1
	90	55.9	--	--	17660	18530	132	1
	100	51.2	--	--	14920	15730	124	1
	110	46.1	--	--	12740	13490	115	1
	120	40.4	--	--	10950	11650	105	1
	130	34.1	--	--	9450	10110	91	1
	140	26.3	--	--	8170	8790	74	1
	150	15.3	--	--	7070	7650	47	1

Boom Length In Feet	Radius In Feet	Boom Angle Degrees	Outriggers Free		Outriggers Set		Ft. From Boom Pt. to Ground	Min. Load Line
			Over Side	Over Rear	Over Side	Over Rear		
160 feet	26	82.8	--	--	85260	85260	166	4
	30	81.4	--	--	85260	85260	166	4
	35	79.6	--	--	72930	73110	165	3
	40	77.7	--	--	59210	59990	164	3
	50	74.0	--	--	42310	43360	161	2
	60	70.3	--	--	32300	33360	158	2
	70	66.4	--	--	25680	26680	154	2
	80	62.5	--	--	20970	21900	149	1
	90	58.3	--	--	17450	18310	144	1
	100	54.0	--	--	14710	15510	137	1
	110	49.4	--	--	12520	13270	129	1
	120	44.5	--	--	10730	11430	119	1
	130	39.1	--	--	9230	9890	108	1
	140	32.9	--	--	7960	8580	94	1
	150	25.5	--	--	6870	7440	76	1
160	14.8	--	--	5900	6450	48	1	

7530.07

Boom Length In Feet	Radius In Feet	Boom Angle Degrees	Outriggers Free		Outriggers Set		Ft. From Boom Pt. to Ground	Min. Load Line
			Over Side	Over Rear	Over Side	Over Rear		
60 feet	14	80.5	--	81560	153940	153940	66	6
	15	79.6	--	78850	153940	153940	66	6
	20	74.7	--	67510	143150	143150	65	6
	25	69.6	31740	51150	112350	112350	63	5
	30	64.5	26500	40930	91250	91250	61	4
	35	59.0	22590	33940	74650	75210	58	3
	40	53.3	19580	28660	61240	62200	55	3
50	40.1	15210	21960	44720	45890	45	2	
60	21.4	12180	17480	34910	36060	29	2	
70 feet	16	80.2	--	75780	153940	153940	76	6
	20	76.9	--	67010	143150	143150	75	6
	25	72.6	31390	50960	112090	112090	74	5
	30	68.3	26150	40730	90990	90990	72	4
	35	63.8	22260	33740	74570	75110	70	3
	40	59.2	19260	28660	61140	62080	67	3
	50	49.1	14900	21760	44590	45760	60	2
60	37.0	11900	17290	34780	35920	49	2	
70	19.8	9680	14140	28270	29340	30	2	
80 feet	17	80.7	--	72850	153940	153940	86	6
	20	78.6	38410	66490	143150	143150	85	6
	25	74.9	31000	50740	111810	111810	84	5
	30	71.1	25780	40510	90710	90710	82	4
	35	67.3	21900	33510	74460	74980	81	3
	40	63.4	18910	28430	61010	61930	78	3
	50	55.0	14570	21540	44440	45590	72	2
	60	45.7	11580	17070	34610	35750	64	2
	70	34.6	9380	13930	28100	29170	52	2
80	18.5	7680	11590	23460	24440	32	1	
90 feet	19	80.5	39870	67970	150730	150730	96	6
	20	79.8	38000	65970	143150	143150	95	6
	25	76.6	30610	50500	111510	111510	94	5
	30	73.3	25400	40270	90400	90400	93	4
	35	69.9	21530	33270	74330	74830	91	3
	40	66.5	18540	28190	60860	61770	89	3
	50	59.4	14220	21300	44260	45400	84	2
	60	51.6	11240	16830	34430	35550	77	2
	70	43.0	9060	13690	27910	28970	68	2
80	32.5	7380	11360	23270	24250	55	1	
90	17.4	6040	9550	19790	20690	34	1	
100 feet	20	80.9	37640	65510	143150	143150	106	6
	25	78.0	30260	50290	111240	111240	105	5
	30	75.0	25060	40050	90130	90130	103	4
	35	72.0	21200	33050	74210	74690	102	3
	40	69.0	18220	27970	60720	61610	100	3
	50	62.7	13900	21070	44100	45230	96	2
	60	56.0	10930	16610	34250	35370	90	2
70	48.8	8760	13470	27740	28790	82	2	

Boom Length In Feet	Radius In Feet	Boom Angle Degrees	Outriggers Free		Outriggers Set		Ft. From Boom Pt. to Ground	Min. Load Line
			Over Side	Over Rear	Over Side	Over Rear		
100 feet cont.	80	40.6	7090	11150	23090	24070	72	1
	90	30.8	5770	9350	19620	20520	58	1
	100	16.5	4680	7910	16900	17740	35	1
110 feet	22	80.6	33930	58850	128780	128780	115	6
	25	79.1	29850	50050	110920	110920	115	5
	30	76.4	24660	39800	89810	89810	114	4
	35	73.7	20810	32800	74060	74520	112	3
	40	71.0	17840	27710	60550	61430	111	3
	50	65.4	13540	20820	43910	45020	107	2
	60	59.5	10580	16350	34050	35160	102	2
	70	53.2	8410	13220	27520	28570	95	2
	80	46.4	6750	10900	22880	23850	86	1
	90	38.7	5440	9100	19400	20300	76	1
	100	29.4	4360	7670	16700	17520	61	1
110	15.7	3460	6500	14520	15290	37	1	
120 feet	23	81.0	32050	55370	121920	121920	125	5
	25	80.0	29440	49790	110590	110590	125	5
	30	77.5	24260	39540	89480	89480	124	4
	35	75.1	20410	32540	73910	74350	123	3
	40	72.6	17450	27450	60380	61240	121	3
	50	67.5	13160	20550	43710	44810	118	2
	60	62.2	10210	16080	33840	34940	113	2
	70	56.7	8050	12950	27300	28340	107	2
	80	50.8	6400	10630	22650	23610	100	1
	90	44.3	5090	8840	19170	20060	91	1
	100	37.0	4030	7420	16470	17290	79	1
	110	28.1	3140	6250	14300	15070	63	1
120	15.1	2380	5270	12520	13230	38	1	
130 feet	25	80.8	29020	49540	110270	110270	135	5
	30	78.5	23850	39280	89150	89150	134	4
	35	76.3	20020	32270	73750	74170	133	3
	40	74.0	17060	27180	60200	61040	132	3
	50	69.3	12780	20280	43500	44660	128	2
	60	64.5	9840	15810	33620	34710	124	2
	70	59.6	7680	12680	27070	28100	119	2
	80	54.3	6040	10360	22420	23370	112	1
	90	48.7	4740	8580	18940	19820	104	1
	100	42.5	3680	7150	16230	17050	95	1
	110	35.5	2800	5990	14070	14830	82	1
	120	27.0	2060	5020	12290	13000	66	1
	130	14.5	1410	4190	10800	11460	39	1
140 feet	27	80.6	--	--	100480	100480	145	4
	30	79.3	--	--	88850	88850	144	4
	35	77.3	--	--	73500	74000	143	3
	40	75.2	--	--	60020	60850	142	2
	50	70.9	--	--	43310	44390	139	2
	60	66.5	--	--	33410	34490	135	2
	70	61.9	--	--	26860	27880	130	2
	80	57.2	--	--	22200	23150	124	1

# LIFT RATINGS (cont.)

With 59H Tubular Chord Tapered Tip Boom

Boom Length In Feet	Radius In Feet	Boom Angle Degrees	Outriggers Free		Outriggers Set		Ft. From Boom Pt. to Ground	Min. Load Line
			Over Side	Over Rear	Over Side	Over Rear		
140 feet cont.	90	52.2	--	--	18710	19590	117	1
	100	46.8	--	--	16010	16820	109	1
	110	40.9	--	--	13840	14600	98	1
	120	34.1	--	--	12070	12770	85	1
	130	26.0	--	--	10590	11250	68	1
	140	13.9	--	--	9320	9940	41	1
150 feet	28	80.8	--	--	89020	89020	155	4
	30	80.1	--	--	88510	88510	155	4
	35	78.1	--	--	73440	73820	154	3
	40	76.2	--	--	59840	60660	152	3
	50	72.2	--	--	43100	44170	150	2
	60	68.1	--	--	33180	34260	146	2
	70	63.9	--	--	26620	27640	142	2
	80	59.6	--	--	21960	22900	136	1
	90	55.1	--	--	18470	19350	130	1
	100	50.3	--	--	15760	16570	122	1
	110	45.1	--	--	13600	14350	113	1
	120	39.4	--	--	11820	12530	102	1
	130	32.9	--	--	10340	11000	88	1
	140	25.1	--	--	9090	9700	70	1
	150	13.5	--	--	8000	8580	42	1
160 feet	30	80.7	--	--	78570	78570	165	4
	35	78.9	--	--	73270	73540	164	3
	40	77.0	--	--	59650	60450	163	3
	50	73.3	--	--	42890	43950	160	2
	60	69.6	--	--	32960	34020	157	2
	70	65.7	--	--	26390	27400	153	2
	80	61.7	--	--	21720	22650	148	1
	90	57.5	--	--	18220	19090	142	1
	100	53.2	--	--	15510	16320	135	1
	110	48.6	--	--	13350	14090	127	1
	120	43.6	--	--	11570	12270	117	1
	130	38.1	--	--	10090	10750	106	1
	140	31.9	--	--	8840	9450	91	1
	150	24.3	--	--	7760	8330	73	1
	160	13.0	--	--	6810	7360	43	1
170 feet	31	80.9	--	--	68460	68460	175	3
	35	79.5	--	--	68240	68240	174	3
	40	77.8	--	--	59470	60250	173	3
	50	74.3	--	--	42670	43720	170	2
	60	70.8	--	--	32730	33780	167	2
	70	67.2	--	--	26150	27150	163	2
	80	63.5	--	--	21470	22400	159	1
	90	59.7	--	--	17970	18840	153	1
	100	55.7	--	--	15260	16060	147	1
	110	51.5	--	--	13090	13840	140	1
	120	47.0	--	--	11320	12010	131	1
	130	42.2	--	--	9840	10490	121	1
	140	36.9	--	--	8580	9190	109	1
	150	30.9	--	--	7500	8080	94	1
	160	23.5	--	--	6560	7110	75	1
170	12.6	--	--	5730	6250	44	1	
180 feet	33	80.8	--	--	60840	60840	184	3
	35	80.1	--	--	60840	60840	184	3
	40	78.5	--	--	59280	60050	183	3
	50	75.2	--	--	42460	43500	181	2
	60	71.9	--	--	32500	33550	178	2
	70	68.5	--	--	25920	26910	174	2
	80	65.1	--	--	21230	22160	170	1
	90	61.5	--	--	17730	18590	165	1
	100	57.8	--	--	15020	15810	159	1
	110	54.0	--	--	12850	13590	152	1
	120	49.9	--	--	11070	11760	145	1
	130	45.6	--	--	9590	10240	135	1
	140	41.0	--	--	8340	8940	125	1
	150	35.9	--	--	7260	7830	112	1
	160	30.0	--	--	6320	6860	97	1
170	22.8	--	--	5500	6010	77	1	
180	12.3	--	--	4760	5250	45	1	
190 feet	34	81.0	--	--	54490	54490	194	3
	35	80.6	--	--	54490	54490	194	3
	40	79.1	--	--	53870	53870	193	3

Boom Length In Feet	Radius In Feet	Boom Angle Degrees	Outriggers Free		Outriggers Set		Ft. From Boom Pt. of Ground	Min. Load Line
			Over Side	Over Rear	Over Side	Over Rear		
190 feet cont.	50	76.0	--	--	42250	43280	191	2
	60	72.9	--	--	32270	33320	188	2
	70	69.7	--	--	25680	26670	185	2
	80	66.5	--	--	20990	21910	181	1
	90	63.1	--	--	17480	18340	176	1
	100	59.7	--	--	14760	15560	171	1
	110	56.1	--	--	12590	13330	165	1
	120	52.4	--	--	10810	11500	157	1
	130	48.5	--	--	9330	9970	149	1
	140	44.3	--	--	8080	8680	140	1
	150	39.8	--	--	7000	7570	129	1
	160	34.9	--	--	6060	6600	115	1
170	29.2	--	--	5240	5750	99	1	
180	22.2	--	--	4510	5000	79	1	
190	12.0	--	--	3860	4320	46	1	
200 feet	36	80.8	--	--	47450	47450	204	2
	40	79.7	--	--	47120	47120	204	2
	50	76.7	--	--	42030	43050	201	2
	60	73.8	--	--	32040	33080	199	2
	70	70.8	--	--	25430	26420	196	2
	80	67.7	--	--	20740	21650	192	1
	90	64.6	--	--	17230	18080	187	1
	100	61.4	--	--	14500	15290	182	1
	110	58.0	--	--	12330	13060	176	1
	120	54.6	--	--	10550	11230	170	1
	130	51.0	--	--	9070	9710	162	1
	140	47.2	--	--	7810	8410	154	1
150	43.2	--	--	6730	7300	144	1	
160	38.8	--	--	5800	6340	132	1	
170	34.0	--	--	4980	5490	119	1	
180	28.4	--	--	4250	4740	102	1	
190	21.7	--	--	3600	4060	81	1	
200	11.7	--	--	3010	3450	47	1	
210 feet	37	81.0	--	--	42760	42760	214	2
	40	80.2	--	--	42480	42480	214	2
	50	77.4	--	--	41130	41130	212	2
	60	74.6	--	--	31810	32830	209	2
	70	71.7	--	--	25190	26170	206	2
	80	68.8	--	--	20490	21400	203	1
	90	65.9	--	--	16970	17820	198	1
	100	62.8	--	--	14250	15030	194	1
	110	59.7	--	--	12070	12800	188	1
	120	56.5	--	--	10290	10970	182	1
	130	53.2	--	--	8800	9440	175	1
	140	49.7	--	--	7540	8140	167	1
	150	46.0	--	--	6470	7030	158	1
	160	42.1	--	--	5530	6070	147	1
	170	37.8	--	--	4710	5220	136	1
180	33.1	--	--	3990	4470	122	1	
190	27.7	--	--	3340	3800	104	1	
200	21.1	--	--	2760	3190	82	1	
210	11.4	--	--	2220	2640	48	1	
220 feet	39	80.9	--	--	38590	38590	224	2
	40	80.6	--	--	38480	38480	224	2
	50	78.0	--	--	36640	36640	222	2
	60	75.3	--	--	31570	32590	220	2
	70	72.6	--	--	24940	25910	217	2
	80	69.8	--	--	20240	21140	213	1
	90	67.0	--	--	16720	17560	209	1
	100	64.2	--	--	13980	14760	205	1
	110	61.2	--	--	11800	12530	200	1
	120	58.2	--	--	10020	10700	194	1
	130	55.1	--	--	8530	9170	187	1
	140	51.9	--	--	7280	7870	180	1
	150	48.5	--	--	6200	6760	171	1
	160	44.9	--	--	5260	5790	162	1
	170	41.1	--	--	4440	4950	151	1
180	36.9	--	--	3720	4200	139	1	
190	32.3	--	--	3070	3530	124	1	
200	27.1	--	--	2490	2930	107	1	
210	20.6	--	--	1960	2380	84	1	
220	11.1	--	--	1480	1880	49	1	

# NO. 9HL JIB RATINGS

WITH 59H HAMMERHEAD BOOM and "P-P" (33,900 lb.) Counterweight

Boom Length	Load Radius in Feet	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
100'	25	19,000								
	30	19,000								
	35	19,000	19,000							
	40	19,000	19,000	19,000						
	50	19,000	19,000	19,000						
	60	19,000	19,000	19,000						
	70	19,000	19,000	19,000						
	80	19,000	19,000	17,000						
	90	19,000	19,000	16,000						
	100	16,400	16,400	15,800						
120'	28	19,000								
	30	19,000								
	35	19,000	19,000							
	40	19,000	19,000							
	50	19,000	19,000	19,000						
	60	19,000	19,000	19,000						
	70	19,000	19,000	19,000						
	80	19,000	19,000	19,000						
	90	18,600	18,600	17,800						
	100	15,900	15,900	15,900						
140'	30	19,000								
	32	19,000			19,000					
	35	19,000			19,000					
	40	19,000	19,000		19,000					
	50	19,000	19,000	19,000	18,500	17,200	15,800			
	60	19,000	19,000	19,000	18,300	16,800	15,600			
	70	19,000	19,000	19,000	17,700	16,400	15,300			
	80	19,000	19,000	19,000	17,200	16,000	15,000			
	90	18,000	18,000	18,000	16,700	15,600	14,700			
	100	15,300	15,300	15,300	15,400	15,300	14,400			
160'	33	19,000								
	35	19,000			19,000					
	37	19,000			19,000			14,900		
	40	19,000	19,000		19,000			14,700		
	50	19,000	19,000	19,000	18,700	17,000		14,300	12,700	
	60	19,000	19,000	19,000	18,200	16,600	15,300	13,800	12,400	11,300
	70	19,000	19,000	19,000	17,700	16,300	15,100	13,300	12,000	11,000
	80	19,000	19,000	19,000	17,300	16,000	14,900	12,800	11,700	10,600
	90	17,400	17,400	17,400	16,800	15,600	14,700	12,400	11,200	10,300
	100	14,700	14,700	14,700	14,800	14,800	14,500	12,000	10,900	10,000
160'	110	12,500	12,500	12,500	12,700	12,700	12,700	11,500	10,500	9,700
	120	10,800	10,800	10,800	10,900	10,900	10,900	11,000	10,200	9,500
	130	9,300	9,300	9,300	9,400	9,400	9,400	9,600	9,600	9,300
	140	8,100	8,100	8,100	8,200	8,200	8,200	8,300	8,300	8,300
	150	7,000	7,000	7,000	7,100	7,100	7,200	7,300	7,300	7,300
	160	6,100	6,100	6,100	6,200	6,200	6,200	6,400	6,400	6,400