

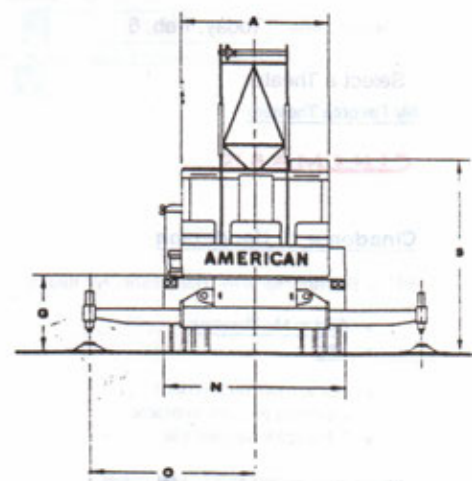
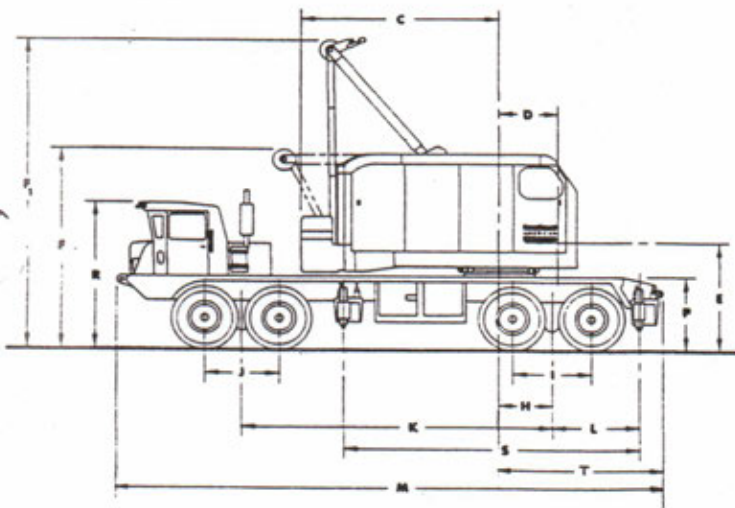


Crane Rental • Heavy Machinery Moving • Project Management

sales@reliablecraneservice.com • 702-525-0840 or 702-400-2516



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 ₁ .	Height over A-Frame (raised)	21'9¼"	T.	Distance from 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"			

FORM NO. 7530-TCC-5

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Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
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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, 567.4 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.

JR785

FORM NO. 7530-TCC-5

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AMERICAN HOIST & DERRICK COMPANY



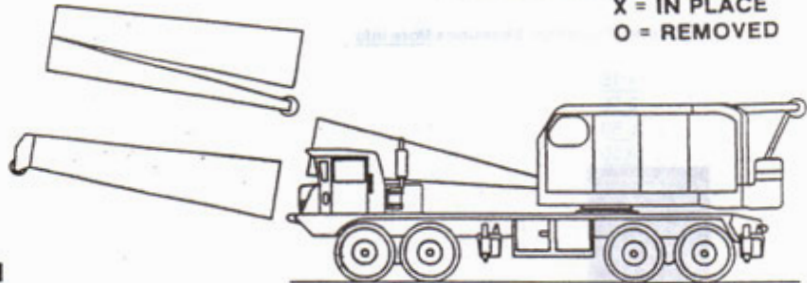
7530 TRAVELING WEIGHTS

IN POUNDS

X = IN PLACE
O = REMOVED

TAPERED TIP
BOOM FOLDED
HAMMERHEAD TIP

Boom Forward



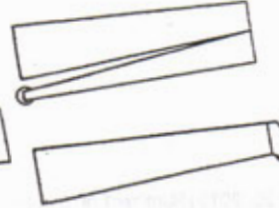
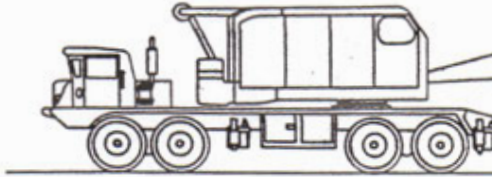
TAPERED TIP FOLDED	OUTER BOOM AND HAMMER HEAD	BLOCK	INNER BOOM	COUNTER-WEIGHT	FRONT OUTRIGGER	REAR OUTRIGGER	FRONT TANDEM	REAR TANDEM	GROSS WEIGHTS
X	O	X	X	X	X	X	20,830	133,530	154,360
X	O	X	X	O	X	X	36,950	83,360	120,310
X	O	X	X	O	O	X	32,600	81,360	113,960
X	O	X	X	O	X	O	39,000	74,960	113,960
X	O	X	X	O	O	O	34,650	72,960	107,610
X	O	O	X	X	X	X	18,950	134,060	153,010
X	O	O	X	O	X	X	35,070	83,880	118,950
X	O	O	X	O	O	X	30,720	81,880	112,600
X	O	O	X	O	X	O	37,120	75,490	112,610
X	O	O	X	O	O	O	32,770	73,490	106,260
O	X	X	X	X	X	X	28,760	127,700	156,460
O	X	X	X	O	X	X	44,880	77,520	122,400
O	X	X	X	O	O	X	40,530	75,520	116,050
O	X	X	X	O	X	O	46,930	69,130	116,060
O	X	X	X	O	O	O	42,580	67,130	109,710
O	X	O	X	X	X	X	20,180	132,770	152,950
O	X	O	X	O	X	X	36,310	82,600	118,910
O	X	O	X	O	O	X	31,960	80,600	112,560
O	X	O	X	O	X	O	38,360	74,200	112,560
O	X	O	X	O	O	O	34,000	72,200	106,200
O	O	O	X	X	X	X	12,720	136,840	149,560
O	O	O	X	O	X	X	28,850	86,670	115,520
O	O	O	X	O	O	X	24,500	84,670	109,170
O	O	O	X	O	X	O	30,890	78,270	109,160
O	O	O	O	O	O	O	26,540	76,270	102,810
O	O	O	O	X	X	X	10,460	136,380	146,840
O	O	O	O	O	X	X	26,580	86,200	112,780
O	O	O	O	O	O	X	22,230	84,200	106,430
O	O	O	O	O	X	O	28,630	77,800	106,430
O	O	O	O	O	O	O	24,280	75,800	100,080
Carrier with bullgear — less upper and outriggers							24,290	32,230	56,520

NOTE: Because of variable manufacturing tolerances a variance of $\pm 3\%$ should be allowed on the above weights. SEE OPERATOR'S MANUAL FOR MAXIMUM MPH TRAVEL SPEED RESTRICTIONS AS LIMITED BY TIRE LOADS.



7530 TRAVELING WEIGHTS IN POUNDS

X = IN PLACE
O = REMOVED



TAPERED TIP
BOOM FOLDED
HAMMERHEAD TIP

Boom Rearward

TAPERED TIP FOLDED	OUTER BOOM AND HAMMER HEAD	BLOCK	INNER BOOM	COUNTER- WEIGHT	FRONT OUTRIGGER	REAR OUTRIGGER	FRONT TANDEM	REAR TANDEM	GROSS WEIGHTS
X	O	X	X	X	X	X	62,370	91,990	154,360
X	O	X	X	O	X	X	34,240	86,070	120,310
X	O	X	X	O	O	X	29,890	84,070	113,960
X	O	X	X	O	X	O	36,280	77,670	113,950
X	O	X	X	O	O	O	31,930	75,670	107,600
X	O	O	X	X	X	X	63,770	89,230	153,000
X	O	O	X	O	X	X	35,640	83,320	118,960
X	O	O	X	O	O	X	31,290	81,320	112,610
X	O	O	X	O	X	O	37,690	74,920	112,610
X	O	O	X	O	O	O	33,340	72,920	106,260
O	X	X	X	X	X	X	55,180	101,280	156,460
O	X	X	X	O	X	X	27,050	95,360	122,410
O	X	X	X	O	O	X	22,690	93,360	116,050
O	X	X	X	O	X	O	29,090	86,960	116,050
O	X	X	X	O	O	O	24,740	84,960	109,700
O	X	O	X	X	X	X	62,520	90,440	152,960
O	X	O	X	O	X	X	34,390	84,520	118,910
O	X	O	X	O	O	X	30,030	82,520	112,550
O	X	O	X	O	X	O	36,430	76,120	112,550
O	X	O	X	O	O	O	32,380	74,120	106,200
O	O	O	X	X	X	X	68,780	80,780	149,560
O	O	O	X	O	X	X	40,650	74,870	115,520
O	O	O	X	O	O	X	36,300	72,870	109,170
O	O	O	X	O	X	O	42,700	66,470	109,170
O	O	O	X	O	O	O	38,350	64,470	102,820
O	O	O	O	X	X	X	70,080	76,750	146,830
O	O	O	O	O	X	X	41,950	70,840	112,790
O	O	O	O	O	O	X	37,600	68,840	106,440
O	O	O	O	O	X	O	44,000	62,440	106,440
O	O	O	O	O	O	O	39,650	60,440	100,090
Carrier with bullgear and outriggers — less upper							26,590	42,630	69,220

NOTE: Because of variable manufacturing tolerances a variance of $\pm 3\%$ should be allowed on the above weights.
SEE OPERATOR'S MANUAL FOR MAXIMUM MPH TRAVEL SPEED RESTRICTIONS AS LIMITED BY THE LOADS.



CRANE RATING DATA

Load ratings are in pounds and do not exceed 85% of the load which would cause tipping with crane standing level on firm uniformly porting surface. Safe loads depend on ground conditions, boom gth, radius of operation, and proper handling, all of which must be en into consideration by user.

ire inflation pressure for "Free Ratings" is 100 P.S.I. Free ratings do not exceed maximum permissible tire load. Tire pressure shall be reduced for over-the-road travel.

Approved working areas "Free Over Side" and "Free Over Rear" are shown under Diagram No. 1. Approved working areas "Outriggers Extended and Set Over Side or Rear" are shown under Diagram No. 2.

"Radius in feet" is the horizontal distance at crane base level from center pin to a vertical line through the center of gravity of the suspended load.

Lifting is approved only in those areas for which ratings are shown in the rating chart. Blocks, slings, buckets, and other load carrying devices are considered part of the load. Retractable A-frame must be in fully raised position for all ratings. Ratings in shaded areas are limited by strength of material or factors other than stability.

Main load line is 1 inch diameter with a minimum breaking strength of 89,800 pounds. Boun suspension line is 3/4 inch diameter with a minimum breaking strength of 51,200 pounds. Boom suspension pendants are 1-1/2 inch diameter with a minimum breaking strength of 250,000 pounds.

Boom and jib erection is over the rear of the machine with outriggers extended and set and with "Lift Rating" counterweight. A-frame must be fully raised and blocks, slings and other load carrying devices must be on the ground.

Compliance to B30.5 based on AMERICAN® carrier mounting.

Designed and rated to comply with ANSI Code B30.5.

BOOM AND JIB ERECTION

59H Tubular Boom	Max. Jib Length	
	No. 9HL	No. 9
220 Tapered Tip	80'	50'
160' Hammerhead	60'	50'

NOTE: For erection of boom length above 200 ft., the boom foot supports and 7,500 lb. front bumper counterweight must be utilized.

BOOM COMPOSITION

59H TUBULAR HAMMERHEAD BOOM

Boom Length In Feet	20 Ft. 59SH Inner	10 Ft. 59H Center	20 Ft. 59H Center	40 Ft. 59H Center	20 Ft. 59H Outer Base	Hammer-head
40	1	—	—	—	1	1
50	1	1	—	—	1	1
60	1	—	1	—	1	1
70	1	1	1	—	1	1
80	1	—	—	1	1	1
90	1	1	—	1	1	1
100	1	—	1	1	1	1
110	1	1	1	1	1	1
120	1	—	—	2	1	1
130	1	1	—	2	1	1
140	1	—	1	2	1	1
150	1	1	1	2	1	1
160	1	—	—	3	1	1

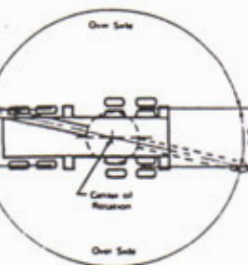


DIAGRAM NO. 1
FREE RATINGS

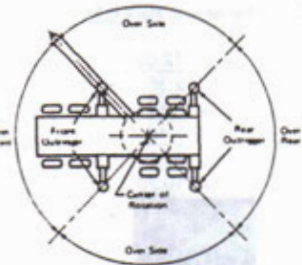


DIAGRAM NO. 2
OUTRIGGERS EXTENDED AND SET

LOAD HOISTING DATA

Maximum Lifting Capacity In Pounds	Minimum Parts of Load Line	Maximum Hoisting Distance		
		SH Drum With Controlled Load Lowering	LH Drum With Controlled Load Lowering	LH Drum Without Controlled Load Lowering
250,000	10	58 Ft.	36 Ft.	44 Ft.
230,910	9	64 Ft.	40 Ft.	49 Ft.
205,260	8	72 Ft.	45 Ft.	55 Ft.
179,600	7	83 Ft.	52 Ft.	63 Ft.
153,940	6	96 Ft.	60 Ft.	73 Ft.
128,280	5	116 Ft.	72 Ft.	88 Ft.
102,630	4	145 Ft.	91 Ft.	110 Ft.
76,970	3	193 Ft.	121 Ft.	147 Ft.
51,310	2	290 Ft.	182 Ft.	221 Ft.
25,660	1	581 Ft.	364 Ft.	442 Ft.

Based on 1" IPS rope.

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.

59H TUBULAR TAPERED TIP BOOM

Boom Length In Feet	20 Ft. 59SH Inner	10 Ft. 59H Center	20 Ft. 59H Center	40 Ft. 59H Center	20 Ft. 59H Outer Base	20 Ft. 59SH Tapered Tip
60	1	—	—	—	1	1
70	1	1	—	—	1	1
80	1	—	1	—	1	1
90	1	1	1	—	1	1
100	1	—	—	1	1	1
110	1	1	—	1	1	1
120	1	—	1	1	1	1
130	1	1	1	1	1	1
140	1	—	—	2	1	1
150	1	1	—	2	1	1
160	1	—	1	2	1	1
170	1	1	1	2	1	1
180	1	—	—	3	1	1
190	1	1	—	3	1	1
200	1	—	1	3	1	1
*210	1	1	1	3	1	1
*220	1	—	—	4	1	1



AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107

MODEL 7530 TRUCK CRANE RATINGS IN POUNDS
59H HAMMERHEAD BOOM - 33,700 LBS CTWT.
AMERICAN CARRIER W/17,000 LBS FRONT
BUMPER CTWT

The crane, with 17,000 lbs front bumper counterweight, will self-erect, over the end, 120' of boom without a jib.

BOOM COMPOSITION CHART						
BOOM LENGTH	20' 59H INNER	10' 59H CENTER	20' 59H CENTER	40' 59H CENTER	20' 59XH OUTER	HAMMERHEAD TIP
40'	1	0	0	0	1	1
50'	1	1	0	0	1	1
60'	1	0	1	0	1	1
70'	1	1	1	0	1	1
80'	1	0	0	1	1	1
90'	1	1	0	1	1	1
100'	1	0	1	1	1	1
110'	1	1	1	1	1	1
120'	1	0	0	2	1	1

LOAD HOISTING INFORMATION			
MAXIMUM LIFTING CAPACITY - LBS	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE	
		MAIN DRUM	AUXILIARY DRUM
128,800	6	96'	73'
128,280	5	116'	88'
102,620	4	145'	110'
76,970	3	193'	147'
51,310	2	290'	221'
25,650	1	581'	442'



AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107

MODEL 7530 TRUCK CRANE RATINGS IN POUNDS
59H HAMMERHEAD BOOM - 33,700 LBS CTWT.
AMERICAN CARRIER W/17,000 LBS FRONT
BUMPER CTWT

These ratings comply with ANSI B30.5 Code. They are applicable only when the crane is used in accordance with good operating practice, including the limitations shown on page 3499 of the operator's manual.

Ratings are in pounds and do not exceed 85% of the load which would cause tipping at a given radii, with crane standing level on a firm uniformly supporting surface.

Tire inflation pressure for "Free Ratings" and up to 1 mph is 130 psi. Tire pressure should be reduced for over the road travel. See operating manual for recommended tire loading and tire pressure for travel speeds above 1 mph.

Do not make a lift over the front of a truck crane, either with or without outriggers. If such a lift is unavoidable, consult American Hoist for special instructions and reduced ratings. See page 3499-01 of operator's manual for definition of working areas on various types of cranes.

Asterisk (*) areas on this chart indicate ratings which are limited by strength of materials or factors other than stability.

"RADIUS IN FEET" is the horizontal distance at ground level from the center pin to a vertical line through the center of gravity of the suspended load.

Blocks, slings, buckets and other load carrying devices are considered part of the load. The weight of standard hoisting ropes for the rating at a given radii has been calculated as part of the boom point load and need not be considered in determining net allowable loads.

Ratings shown on this chart make no allowance for such factors as the effect of freely suspended loads, wind, ground conditions, inflation of rubber tires and operating speeds. The user, therefore, shall reduce ratings in order to take these conditions into account.

When using the main boom fall with the jib in place, the main fall ratings must be reduced by the jib effective weight shown on the jib rating chart. The weight of all suspended blocks, slings, etc., at the main fall and twice the weight of any such devices at the jib fall are to be considered part of the load.

The boom hoist line is 10 parts of .75" diameter 6 x 26, WS, FW, LAL, IWRC, EIPS wire rope with a minimum breaking strength of not less than 58,800 pounds.

Pendant suspension line is 2 part of 1.5" diameter AAA wire rope with a minimum breaking strength of not less than 250,000 pounds.

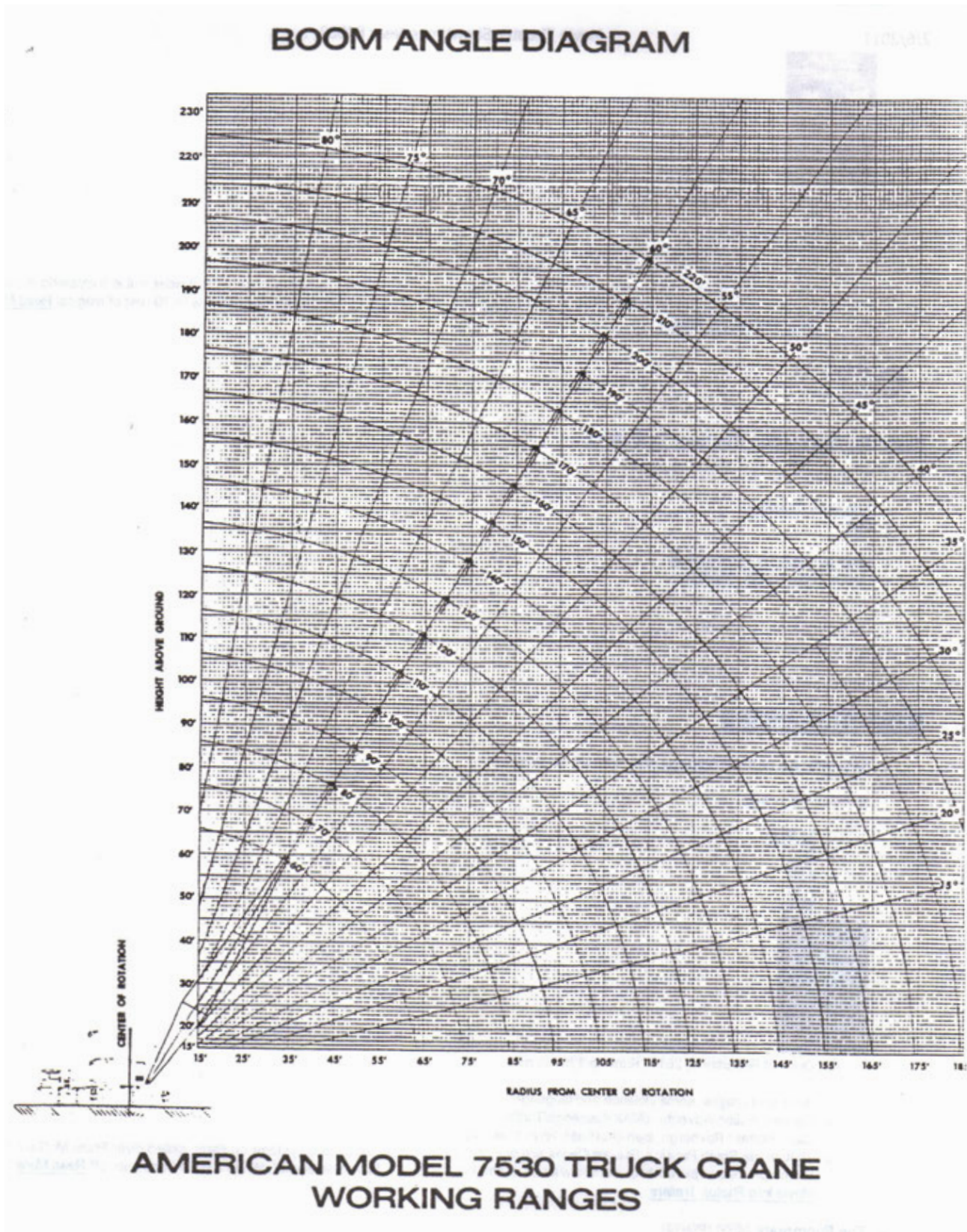
Main load line is 1" diameter 6 x 25, FW, RRL, IWRC, IPS wire rope with a minimum breaking strength of not less than 89,800 pounds.

Erection over the rear end with outriggers free and A-frame fully raised. Blocks, slings and other load carrying devices must be on the ground during erection.

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Page 3 of 4

Sheet 7530.50





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
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
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
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
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	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.	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	6
	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
120 feet	80	47.7	5690	10030	22020	22990	89	1
	90	40.1	4350	8210	18520	19410	78	1
	100	31.0	3260	6760	15790	16610	64	1
	110	18.0	2330	5560	13580	14350	41	1
130 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
140 feet	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	49160	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
140 feet	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
140 feet	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)

FORM NO. 7530-TR-5B

**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

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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	28860	61240	62200	55	3
	50	40.1	15210	21960	44720	45890	45	2
70 feet	60	21.4	12180	17480	34910	36060	29	2
	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	19250	28660	61140	62080	67	3
	50	49.1	14900	21760	44590	45750	60	2
80 feet	60	37.0	11900	17290	34780	35920	49	2
	70	19.8	9680	14140	28270	29340	30	2
	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
90 feet	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
	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
100 feet	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
	20	80.9	37640	65510	143150	143150	106	6
110 feet	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
	20	80.6	—	—	100480	100480	145	4

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
120 feet	110	15.7	3460	6500	14520	15290	37	1
	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
130 feet	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
	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	44600	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
140 feet	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
	27	80.6	—	—	100480	100480	145	4
	30	79.3	—	—	88850	88850	144	4
	35	77.3	—	—	73600	74000	143	3
	40	75.2	—	—	60020	60850	142	3
	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

AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107MODEL 7530 TRUCK CRANE RATINGS IN POUNDS
59H HAMMERHEAD BOOM - 33,700 LBS CTWT.
AMERICAN CARRIER W/17,000 LBS FRONT
BUMPER CTWT

BOOM LENGTH FEET	RADIUS IN FEET	BOOM ANGLE DEGREES	OUTRIGGERS FREE		FEET FROM BOOM POINT TO GROUND
			OVER SIDE	OVER REAR	
40'	11	82.8		128,800*	47
	12	81.3		124,080*	47
	15	77.0		111,800*	46
	20	69.6		89,790	45
	25	61.7		68,030	43
	30	53.1		54,500	39
	35	43.3		45,210	35
	40	30.9		38,510	28
50'	13	81.9		118,960*	57
	15	79.6		111,110*	57
	20	73.8		89,610	55
	25	67.7		67,850	54
	30	61.3		54,320	51
	35	54.5		45,020	48
	40	47.0		38,350	44
	50	27.4		29,230	30
60'	14	82.3		114,340*	67
	15	81.3		110,510*	67
	20	76.5		89,420	66
	25	71.6		67,660	64
	30	66.5		54,140	62
	35	61.1		44,850	60
	40	55.5		38,180	57
	50	42.6		29,080	48
70'	60	24.8		23,150	32
	15	82.6		109,760*	77
	20	78.5		89,130	76
	25	74.3		67,370	75
	30	70.0		53,870	73
	35	65.6		44,560	71
	40	61.0		37,910	69
	50	51.0		28,840	62
80'	60	39.3		22,910	52
	70	22.9		18,770	34
	16	82.8		105,780*	87
	20	79.9		88,920	86
	25	76.3		67,160	85
	30	72.6		53,660	84
	35	68.8		44,490	82
	40	64.9		37,720	80
90'	50	56.6		28,680	74
	60	47.5		22,740	66
	70	36.6		18,590	55
	80	21.3		15,580	36
	17	83.0		101,850*	97
	20	81.0		88,610	96
	25	77.8		66,850	95

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AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107MODEL 7530 TRUCK CRANE RATINGS IN POUNDS
59H HAMMERHEAD BOOM - 33,700 LBS CTWT.
AMERICAN CARRIER W/17,000 LBS FRONT T2
BUMPER CTWT

BOOM LENGTH FEET	RADIUS IN FEET	BOOM ANGLE DEGREES	OUTRIGGERS FREE		FEET FROM BOOM POINT TO GROUND
			OVER SIDE	OVER REAR	
90'	30	74.5		53,360	94
	35	71.2		44,200	93
	40	67.8		37,430	91
	50	60.7		28,390	86
	60	53.1		22,460	79
	70	44.6		18,310	70
	80	34.4		15,340	58
	90	20.0		12,950	38
100'	19	82.5		94,230	107
	20	81.9		88,320	107
	25	79.0		66,570	106
	30	76.1		53,090	105
	35	73.2		43,930	103
	40	70.1		37,160	102
	50	63.9		28,140	97
	60	57.3		22,200	92
	70	50.2		18,050	84
	80	42.1		15,110	74
	90	32.5		12,730	61
	100	18.9		10,840	39
110'	20	82.7		88,000	117
	25	80.0		66,240	116
	30	77.4		52,760	115
	35	74.7		43,620	114
	40	72.0		36,840	112
	50	66.4		27,840	108
	60	60.6		21,900	103
	70	54.4		17,740	97
	80	47.7		14,830	89
	90	40.1		12,460	78
	100	31.0		10,580	64
	110	18.0		9,040	41
120'	21	82.8		82,330	127
	25	80.9		65,970	126
	30	78.5		52,500	125
	35	76.0		43,370	124
	40	73.5		36,590	123
	50	68.5		27,600	119
	60	63.3		21,660	115
	70	57.8		17,500	109
	80	51.9		14,610	102
	90	45.5		12,230	93
	100	38.3		10,350	82
	110	29.6		8,820	66
	120	17.2		7,550	42

**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

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AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107#9HL JIB RATINGS FOR MODEL 7530
TRUCK CRANE W/59H TAPER TIP
34,100 LBS. CTWT.

BOOM & JIB LENGTH	RADIUS (FEET)	5° JIB OFFSET		15° JIB OFFSET		25° JIB OFFSET	
		BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)
40' JIB & 190' BOOM	44	80.9	19,000*				
	50	79.4	19,000*				
	60	76.9	19,000*	78.5	18,070*	80.1	14,950*
	70	74.3	18,930*	75.9	17,330*	77.5	14,500*
	80	71.7	17,890*	73.3	16,520*	74.8	13,900*
	90	69.1	16,930*	70.7	15,680*	72.1	13,320*
	100	66.4	14,630	68.0	14,630	69.4	12,660*
	110	63.6	12,460	65.2	12,460	66.6	12,020*
	120	60.8	10,700	62.3	10,700	63.7	10,700
	130	57.9	9,220	59.4	9,230	60.8	9,230
	140	54.9	7,980	56.4	7,990	57.7	7,990
	150	51.7	6,930	53.2	6,930	54.5	6,930
	160	48.5	6,010	49.9	6,010	51.1	6,010
	170	45.0	5,200	46.5	5,200	47.6	5,210
	180	41.3	4,500	42.7	4,500	43.8	4,500
40' JIB & 200' BOOM	190	37.3	3,870	38.7	3,880	39.7	3,880
	46	80.8	18,730*				
	50	79.9	18,340*				
	60	77.4	17,310*	79.0	15,720*	80.5	13,020*
	70	75.0	16,380*	76.5	14,990*	78.0	12,530*
	80	72.5	15,410*	74.0	14,190*	75.5	11,930*
	90	70.0	14,490*	71.5	13,470*	72.9	11,320*
	100	67.4	13,620*	68.9	12,680*	70.3	10,700*
	110	64.8	12,170	66.3	11,930*	67.7	10,080*
	120	62.1	10,400	63.6	10,400	64.9	9,460*
	130	59.4	8,930	60.9	8,930	62.2	8,870*
	140	56.5	7,690	58.0	7,690	59.3	7,690
	150	53.6	6,630	55.1	6,630	56.3	6,630
	160	50.5	5,710	52.0	5,710	53.2	5,710
	170	47.4	4,910	48.8	4,910	49.9	4,920
40' JIB & 210' BOOM	180	44.0	4,210	45.4	4,210	46.4	4,210
	190	40.4	3,580	41.7	3,580	42.7	3,590
	200	36.5	3,020	37.8	3,020	38.7	3,030
	47	81.0	16,280*				
	50	80.3	16,010*				
	60	77.9	15,040*	79.5	13,660*	80.9	11,320*
	70	75.6	14,110*	77.1	12,950*	78.5	10,780*
	80	73.2	13,180*	74.7	12,190*	76.1	10,180*
	90	70.8	12,320*	72.3	11,430*	73.7	9,580*
	100	68.3	11,460*	69.8	10,720*	71.2	8,950*
	110	65.9	10,700*	67.3	9,990*	68.6	8,350*
	120	63.3	9,920*	64.8	9,300*	66.1	7,770*
	130	60.7	8,630	62.2	8,630	63.4	7,200*
	140	58.0	7,390	59.5	7,390	60.7	6,640*
	150	55.3	6,320	56.7	6,320	57.9	6,110*
40' JIB & 220' BOOM	160	52.4	5,400	53.8	5,400	55.0	5,410
	170	49.5	4,600	50.8	4,600	51.9	4,610
	180	46.3	3,900	47.7	3,900	48.8	3,900
	190	43.0	3,270	44.4	3,270	45.4	3,280
	200	39.5	2,710	40.8	2,710	41.8	2,710
40' JIB & 220' BOOM	210	35.7	2,220	37.0	2,220	37.8	2,220
	49	80.9	14,050*				
	50	80.6	13,970*				
	60	78.4	13,030*	79.9	11,860*		
220' BOOM	70	76.2	12,060*	77.6	11,120*	79.0	9,220*
	80	73.9	11,220*	75.3	10,360*	76.7	8,600*

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AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107#9HL JIB RATINGS FOR MODEL 7530
TRUCK CRANE W/59H TAPER TIP
34,100 LBS. CTWT.

BOOM & JIB LENGTH	RADIUS (FEET)	5' JIB OFFSET		15' JIB OFFSET		25' JIB OFFSET	
		BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)
50' JIB & 160' BOOM	90	67.2	16,870*	69.4	15,670*	71.4	14,710*
	100	64.2	15,600	66.4	15,350*	68.3	14,550*
	110	61.1	13,440	63.2	13,440	65.2	13,450
	120	57.9	11,680	60.0	11,680	61.9	11,680
	130	54.6	10,220	56.7	10,220	58.5	10,230
	140	51.1	8,980	53.2	8,980	55.0	8,990
	150	47.5	7,920	49.5	7,930	51.2	7,930
	160	43.6	7,010	45.6	7,010	47.2	7,010
50' JIB & 170' BOOM	44	80.7	18,800*				
	50	79.2	18,510*				
	60	76.5	18,110*	78.7	16,530*	80.7	15,100*
	70	73.8	17,690*	75.9	16,250*	77.9	14,980*
	80	71.1	17,240*	73.2	15,950*	75.2	14,810*
	90	68.3	16,810*	70.4	15,650*	72.3	14,590*
	100	65.4	15,310	67.5	15,310	69.4	14,380*
	110	62.5	13,140	64.6	13,150	66.5	13,150
	120	59.5	11,380	61.6	11,380	63.4	11,390
	130	56.4	9,910	58.5	9,910	60.2	9,920
	140	53.2	8,670	55.2	8,670	56.9	8,680
	150	49.8	7,610	51.8	7,620	53.5	7,620
	160	46.3	6,700	48.2	6,700	49.8	6,700
	170	42.5	5,900	44.4	5,900	45.9	5,910
50' JIB & 180' BOOM	45	80.9	18,450*				
	50	79.6	18,250*				
	60	77.1	17,890*	79.2	16,280*		
	70	74.5	17,450*	76.6	16,040*	78.5	14,670*
	80	71.9	17,060*	74.0	15,780*	75.8	14,480*
	90	69.3	16,690*	71.3	15,460*	73.2	14,310*
	100	66.6	15,030	68.6	15,030	70.4	13,890*
	110	63.8	12,870	65.8	12,870	67.6	12,870
	120	61.0	11,100	63.0	11,100	64.7	11,100
	130	58.1	9,630	60.0	9,640	61.7	9,640
	140	55.1	8,390	57.0	8,400	58.7	8,400
	150	51.9	7,340	53.8	7,340	55.5	7,340
	160	48.7	6,420	50.5	6,420	52.1	6,420
	170	45.2	5,610	47.0	5,610	48.5	5,620
	180	41.5	4,920	43.3	4,920	44.7	4,920
50' JIB & 190' BOOM	47	80.8	17,910*				
	50	80.1	17,830*				
	60	77.6	17,450*	79.6	15,890*		
	70	75.2	17,130*	77.2	15,690*	79.0	13,280*
	80	72.7	16,720*	74.7	15,410*	76.5	12,890*
	90	70.2	16,270*	72.1	14,860*	73.9	12,390*
	100	67.6	14,740	69.5	14,150*	71.3	11,820*
	110	65.0	12,570	66.9	12,570	68.6	11,290*
	120	62.3	10,800	64.2	10,800	65.9	10,730*
	130	59.6	9,340	61.4	9,340	63.1	9,340
	140	56.7	8,090	58.6	8,090	60.2	8,090
	150	53.8	7,030	55.6	7,030	57.2	7,030
	160	50.8	6,110	52.6	6,110	54.1	6,120
	170	47.6	5,310	49.3	5,310	50.8	5,320
	180	44.2	4,610	45.9	4,610	47.3	4,610
	190	40.6	3,980	42.3	3,980	43.6	3,990
50' JIB & 200' BOOM	48	80.9	17,290*				
	50	80.5	17,180*				
	60	78.1	16,600*	80.0	14,750*		
	70	75.8	15,660*	77.7	14,080*	79.5	11,540*
	80	73.4	14,790*	75.3	13,430*	77.0	11,080*

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ST. PAUL, MINNESOTA 55107#9HL JIB RATINGS FOR MODEL 7530
TRUCK CRANE W/59H TAPER TIP
34,100 LBS. CTWT.

BOOM & JIB LENGTH	RADIUS (FEET)	5' JIB OFFSET		15' JIB OFFSET		25' JIB OFFSET	
		BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)
60' JIB & 170' BOOM	46	80.9	14,380*				
	50	79.8	14,200*				
	60	77.3	13,780*	79.8	12,360*		
	70	74.7	13,360*	77.2	12,090*	79.5	11,030*
	80	72.1	12,920*	74.6	11,780*	76.9	10,710*
	90	69.5	12,490*	71.9	11,420*	74.2	10,410*
	100	66.8	12,140*	69.2	11,020*	71.4	10,120*
	110	64.0	11,780*	66.4	10,650*	68.6	9,860*
	120	61.2	11,300*	63.6	10,340*	65.7	9,650*
	130	58.3	10,010	60.6	10,020	62.7	9,430*
	140	55.3	8,770	57.6	8,780	59.7	8,780
	150	52.1	7,720	54.5	7,720	56.4	7,720
	160	48.9	6,800	51.1	6,800	53.1	6,810
	170	45.4	6,000	47.6	6,000	49.5	6,010
60' JIB & 180' BOOM	47	81.0	14,290*				
	50	80.3	14,170*				
	60	77.8	13,720*	80.2	12,320*		
	70	75.4	13,340*	77.8	12,020*	80.0	10,930*
	80	72.9	12,940*	75.3	11,750*	77.5	10,760*
	90	70.4	12,520*	72.7	11,470*	74.9	10,450*
	100	67.8	12,180*	70.1	11,140*	72.3	10,190*
	110	65.2	11,830*	67.5	10,770*	69.6	9,940*
	120	62.5	11,200	64.8	10,480*	66.9	9,700*
	130	59.8	9,730	62.0	9,730	64.1	9,510*
	140	56.9	8,490	59.2	8,490	61.2	8,490
	150	54.0	7,430	56.2	7,430	58.1	7,430
	160	51.0	6,510	53.1	6,510	55.0	6,520
	170	47.8	5,710	49.9	5,710	51.7	5,720
	180	44.4	5,010	46.5	5,010	48.2	5,010
60' JIB & 190' BOOM	49	80.9	14,080*				
	50	80.7	14,020*				
	60	78.3	13,660*	80.6	12,200*		
	70	76.0	13,260*	78.3	11,950*	80.4	10,800*
	80	73.6	12,890*	75.9	11,680*	78.0	10,600*
	90	71.2	12,520*	73.4	11,410*	75.5	10,460*
	100	68.7	12,150*	71.0	11,180*	73.0	10,240*
	110	66.3	11,860*	68.5	10,890*	70.5	10,000*
	120	63.7	10,900	65.9	10,570*	67.9	9,790*
	130	61.1	9,430	63.3	9,430	65.2	9,440
	140	58.4	8,190	60.6	8,190	62.5	8,200
	150	55.7	7,130	57.8	7,130	59.7	7,140
	160	52.8	6,210	54.9	6,210	56.7	6,220
	170	49.8	5,400	51.9	5,400	53.7	5,410
	180	46.7	4,710	48.8	4,710	50.5	4,710
	190	43.4	4,080	45.5	4,080	47.1	4,090
60' JIB & 200' BOOM	51	80.8	13,770*				
	60	78.8	13,440*				
	70	76.5	13,080*	78.7	11,780*	80.8	10,540*
	80	74.3	12,740*	76.4	11,520*	78.5	10,240*
	90	71.9	12,420*	74.1	11,300*	76.1	9,810*
	100	69.6	12,060*	71.8	11,070*	73.7	9,390*
	110	67.2	11,750*	69.4	10,790*	71.3	8,930*
	120	64.8	10,620	66.9	10,190*	68.9	8,460*
	130	62.3	9,140	64.4	9,150	66.3	7,980*
	140	59.8	7,890	61.9	7,900	63.7	7,490*
	150	57.2	6,830	59.2	6,830	61.1	6,840

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AMERICAN HOIST & DERRICK CO.
ST. PAUL, MINNESOTA 55107#9HL JIB RATINGS FOR MODEL 7530
TRUCK CRANE W/59H TAPER TIP
34,100 LBS. CTWT.

BOOM & JIB LENGTH	RADIUS (FEET)	5' JIB OFFSET		15' JIB OFFSET		25' JIB OFFSET	
		BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)	BOOM ANGLE	RATING (LBS.)
70' JIB & 200' BOOM	53	80.9	11,090*				
	60	79.4	10,830*				
	70	77.2	10,480*	79.7	9,260*		
	80	75.0	10,120*	77.5	9,010*	79.8	7,950*
	90	72.8	9,800*	75.3	8,650*	77.6	7,720*
	100	70.6	9,510*	73.0	8,350*	75.3	7,510*
	110	68.3	9,140*	70.7	8,070*	73.0	7,290*
	120	66.0	8,790*	68.4	7,810*	70.6	7,100*
	130	63.6	8,430*	66.0	7,590*	68.2	6,940*
	140	61.2	7,980	63.6	7,370*	65.7	6,780*
	150	58.7	6,920	61.1	6,920	63.2	6,620*
	160	56.2	5,990	58.5	6,000	60.6	6,000
	170	53.6	5,190	55.9	5,190	57.9	5,190
	180	50.8	4,480	53.1	4,480	55.0	4,490
70' JIB & 210' BOOM	190	48.0	3,850	50.2	3,850	52.1	3,860
	200	45.0	3,290	47.2	3,300	49.0	3,300
	55	80.8	10,900*				
	60	79.8	10,700*				
	70	77.7	10,370*	80.1	9,180*		
	80	75.6	10,060*	78.0	8,940*	80.2	7,970*
	90	73.5	9,760*	75.8	8,740*	78.0	7,730*
	100	71.3	9,430*	73.7	8,410*	75.8	7,340*
	110	69.1	9,150*	71.5	8,140*	73.6	6,950*
	120	66.9	8,840*	69.2	7,880*	71.3	6,550*
	130	64.6	8,250*	66.9	7,580*	69.0	6,120*
	140	62.3	7,650*	64.6	7,090*	66.7	5,730*
	150	60.0	6,610	62.2	6,600*	64.3	5,320*
	160	57.6	5,690	59.8	5,690	61.8	4,920*
80' JIB & 200' BOOM	170	55.1	4,890	57.3	4,890	59.2	4,540*
	180	52.5	4,180	54.7	4,180	56.6	4,160*
	190	49.8	3,550	52.0	3,550	53.9	3,560
	200	47.1	2,980	49.2	2,990	51.0	2,990
	210	44.1	2,490	46.3	2,490	48.0	2,500
	55	81.0	9,120*				
	60	80.0	8,950*				
	70	77.9	8,590*	80.6	7,290*		
	80	75.8	8,240*	78.5	6,970*		
	90	73.6	7,830*	76.3	6,670*	78.9	5,860*
	100	71.5	7,440*	74.2	6,410*	76.7	5,680*
	110	69.3	7,090*	72.0	6,180*	74.5	5,500*
	120	67.1	6,800*	69.7	5,940*	72.2	5,340*
	130	64.8	6,500*	67.5	5,750*	69.9	5,190*
	140	62.5	6,260*	65.1	5,550*	67.5	5,070*
	140	60.1	6,030*	62.8	5,390*	65.1	4,930*
	160	57.7	5,790*	60.3	5,250*	62.6	4,820*
	170	55.2	5,260	57.8	5,090*	60.1	4,730*
	180	52.7	4,550	55.2	4,550	57.4	4,560
	190	50.0	3,930	52.5	3,930	54.7	3,940
	200	47.2	3,360	49.7	3,370	51.8	3,370

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