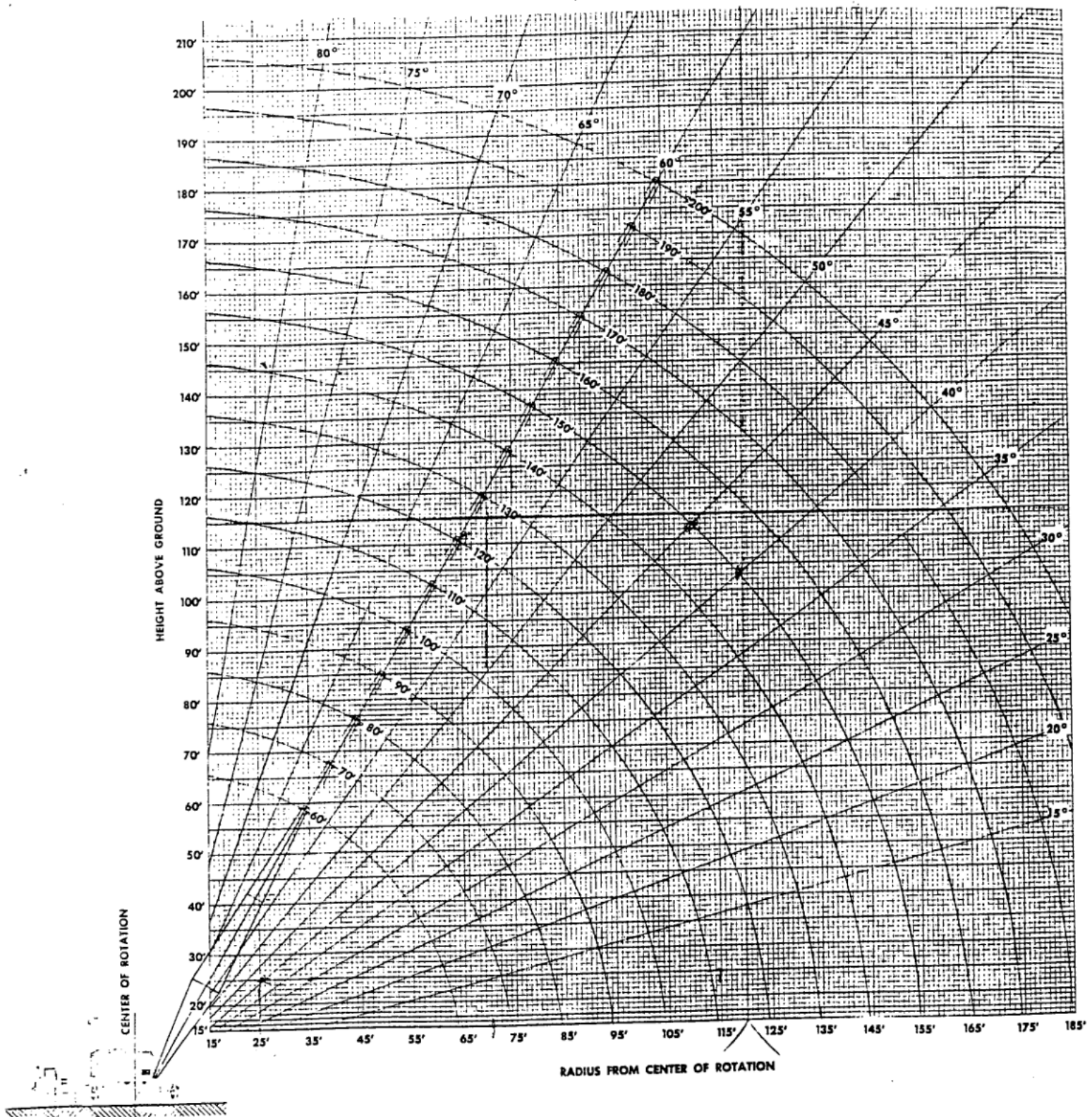




AMERICAN MODEL 7460 TRUCK CRANE WORKING RANGES

With 59S Tubular Hammerhead Boom

7460
200+6

Boom Lgth	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Set		Feet From Boom Point	Min. Load Line
					Over Side	Over Rear		
140 feet Cont.	50	71.7	13200	16090	31320	33430	140	2
	60	67.3	9890	12280	24000	25780	136	2
	70	62.8	7580	9620	19110	20650	132	1
	80	58.1	5870	7650	15610	16960	126	1
	90	53.1	4550	6130	12980	14180	119	1
	100	47.8	3500	4920	10920	12010	111	1
	110	41.9	2640	3930	9270	10260	101	1
	120	35.3	1920	3100	7920	8820	88	1
	130	27.3	1310	2400	6780	7610	71	1
	140	15.9	—	1780	5790	6520	45	1

Boom Lgth	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Set		Feet From Boom Point	Min. Load Line
					Over Side	Over Rear		
150	25	82.7	29480	40950	62370	62370	156	3
	30	80.8	24210	32090	62370	62370	155	3
	35	78.8	20280	28070	53020	55820	154	3
	40	76.9	17240	21710	43270	45810	153	2
	50	72.9	12840	15820	31090	33190	151	2
	60	68.9	9640	12030	23770	25550	147	1
	70	64.8	7330	9370	18880	20420	143	1
	80	60.4	5630	7400	15390	16740	138	1
	90	55.9	4310	5890	12760	13960	131	1
	100	51.2	3270	4690	10710	11800	124	1
	110	46.1	2420	3710	9070	10050	115	1
	120	40.4	1710	2890	7720	8620	104	1
	130	34.1	1100	2190	6590	7420	91	1
	140	26.3	—	1590	5620	6390	73	1
	150	15.3	—	1060	4780	5500	46	1

7460.03

LIFT RATINGS

With 59S Tubular Tapered Tip Boom and "K-F" Countweight (24,700 lbs.)

Boom Lgth	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Set		Feet From Boom Point	Min. Load Line
					Over Side	Over Rear		
60 feet	14	80.5	—	91910	153940	153940	66	6
	15	79.6	—	83470	153940	153940	66	6
	20	74.7	40110	56800	137570	137570	64	6
	25	69.6	32650	42720	92450	95660	63	4
	30	64.5	27360	34010	68630	71780	61	3
	35	59.0	23420	28090	54320	57210	58	3
	40	53.3	20140	23790	44780	47390	55	2
	50	40.1	15080	17980	32830	34980	45	2
70 feet	60	21.4	11810	14210	25630	27450	28	2
	16	80.2	48430	76280	153940	153940	76	6
	20	76.9	39820	56680	137390	137390	75	6
	25	72.6	32380	42590	92460	95650	73	4
	30	68.3	27100	33870	68600	71730	72	3
	35	63.8	23170	27950	54270	57140	69	3
	40	59.2	20000	23660	44710	47310	67	2
	50	49.1	14950	17850	32740	34890	59	2
80 feet	60	37.0	11680	14090	25540	27350	49	2
	70	19.8	9390	11440	20720	22280	30	1
	17	80.7	45650	70130	153940	153940	86	6
	20	78.6	39520	56540	137190	137190	85	6
	25	74.9	32090	42430	92440	95610	84	4
	30	71.1	26820	33720	68530	71660	82	3
	35	67.3	22900	27790	54180	57050	80	3
	40	63.4	19840	23490	44610	47200	78	2
90 feet	50	55.0	14790	17680	32630	34770	72	2
	60	45.7	11530	13930	25420	27230	64	2
	70	34.6	9240	11290	20610	22160	52	1
	80	18.5	7540	9330	17140	18510	32	1
	19	80.5	41060	60310	144060	144060	95	6
	20	79.8	39200	56380	136970	136970	95	6
	25	76.6	31780	42260	92390	95550	94	4
	30	73.3	26530	33540	68450	71560	93	3
90 feet	35	69.9	22610	27610	54080	56930	91	3
	40	66.5	19580	23310	44490	47080	89	2
	50	59.4	14610	17500	32490	34630	84	2
	60	51.6	11350	13750	25280	27090	77	2
	70	43.0	9070	11120	20460	22020	68	1
	80	32.5	7380	9170	17010	18370	55	1
	90	17.4	6070	7650	14400	15610	34	1

Boom Lgth	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Set		Feet From Boom Point	Load Line
					Over Side	Over Rear		
100 feet	20	80.9	38930	56240	126240	126240	105	5
	25	78.0	31520	42120	92350	95490	104	4
	30	75.0	26270	33390	68370	71480	103	3
	35	72.0	22370	27450	53980	56830	102	3
	40	69.0	19340	23160	44380	46960	100	2
	50	62.7	14450	17350	32370	34500	95	2
	60	56.0	11200	13600	25160	26950	90	2
	70	48.8	8920	10970	20340	21890	82	1
	80	40.6	7240	9020	16880	18240	72	1
	90	30.8	5940	7520	14280	15490	58	1
110 feet	100	16.5	4890	6310	12240	13330	35	1
	22	80.6	35300	49480	114290	114290	115	5
	25	79.1	31200	41930	92290	95410	115	4
	30	76.4	25970	33200	68270	71370	113	3
	35	73.7	22060	27260	53860	56700	112	3
	40	71.0	19040	22960	44250	46820	111	2
	50	65.4	14260	17150	32220	34350	107	2
	60	59.5	11010	13400	25000	26790	101	2
	70	53.2	8730	10780	20170	21720	95	1
	80	46.4	7050	8830	16720	18080	86	1
120 feet	90	38.7	5750	7330	14120	15330	75	1
	100	29.4	4720	6140	12090	13180	61	1
	110	15.7	3860	5150	10450	11440	36	1
	23	81.0	33500	46520	99910	99910	125	4
	25	80.0	30880	41740	92220	95330	125	4
	30	77.5	25650	33000	68170	71250	124	3
	35	75.1	21760	27060	53730	56560	123	3
	40	72.6	18740	22760	44100	46670	121	2
	50	67.5	14060	16950	32060	34180	117	2
	60	62.2	10810	13200	24830	26620	113	2
130 feet	70	56.7	8530	10580	20000	21540	107	1
	80	50.8	6850	8630	16540	17900	100	1
	90	44.3	5560	7140	13940	15150	90	1
	100	37.0	4530	5940	11910	13000	79	1
	110	28.1	3680	4970	10280	11270	63	1
	120	15.1	2970	4150	8940	9840	38	1
	25	80.8	30550	41550	87460	87460	135	4
	30	78.5	25330	32810	68060	71130	134	3
	35	76.3	21440	26860	53600	56420	133	3

Boom Lgth	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Set		Feet From Boom Point	Min. Load Line
					Over Side	Over Rear		
130 feet Cont.	40	74.0	18430	22560	43960	46520	132	2
	50	69.3	13860	16740	31900	34010	128	2
	60	64.5	10600	12990	24660	26440	124	2
	70	59.6	8330	10370	19820	21360	119	1
	80	54.3	6650	8430	16360	17710	112	1
	90	48.7	5350	6930	13760	14970	104	1
	100	42.5	4330	5740	11730	12820	94	1
	110	35.5	3490	4770	10100	11090	82	1
	120	27.0	2780	3960	8760	9670	66	1
	130	14.5	2180	3270	7630	8470	39	1
140 feet	27	80.6	27980	37430	73970	73970	145	3
	30	79.3	25050	32630	67950	71010	144	3
	35	77.3	21170	26680	53470	56290	143	3
	40	75.2	18170	22380	43820	46370	142	2
	50	70.9	13670	16560	31740	33860	139	2
	60	66.5	10410	12810	24490	26280	135	2
	70	61.9	8140	10180	19650	21190	130	1
	80	57.2	6460	8240	16190	17540	124	1
	90	52.2	5170	6750	13590	14790	117	1
	100	46.8	4140	5560	11560	12650	109	1
	110	40.9	3300	4590	9930	10920	98	1
	120	34.1	2610	3780	8600	9500	85	1
	130	26.4	2010	3100	7480	8310	68	1
	140	13.9	1500	2500	5620	7290	40	1
150 feet	28	80.8	26620	35500	64320	64320	155	3
	30	80.1	24730	32430	64120	64120	154	3
	35	78.1	20860	26480	53340	56140	153	3
	40	76.2	17860	22170	43670	46210	152	2
	50	72.2	13460	16350	31580	33680	149	2
	60	68.1	10210	12590	24320	26100	146	2
	70	63.9	7930	9970	19470	21010	141	1
	80	59.6	6250	8030	16000	17350	136	1
	90	55.1	4960	6540	13400	14600	130	1
	100	50.3	3930	5350	11370	12450	122	1
	110	45.1	3100	4380	9740	10730	113	1
	120	39.4	2400	3580	8410	9310	102	1
	130	32.9	1810	2900	7290	8120	88	1
	140	25.1	1300	2310	6340	7110	70	1
	150	13.5	—	1790	5510	6240	42	1
160 feet	30	80.7	24410	32230	56180	56180	164	3
	35	78.9	20540	26270	53200	56000	164	3
	40	77.0	17540	21960	43510	46060	163	2
	50	73.3	13210	16140	31410	33510	160	2
	60	69.6	9990	12380	24140	25910	157	2
	70	65.7	7720	9760	19280	20820	152	1
	80	61.7	6040	7820	15810	17160	147	1
	90	57.5	4750	6320	13210	14410	142	1
	100	53.2	3720	5140	11180	12260	135	1
	110	48.6	2890	4170	9550	10530	127	1
	120	43.6	2190	3370	8210	9110	117	1
	130	38.1	1610	2690	7100	7930	105	1
	140	31.9	1100	2110	6150	6920	91	1
	150	24.3	—	1600	5330	6050	72	1
	160	13.0	—	1140	4610	5290	43	1
170 feet	31	80.9	23230	30650	47980	47980	174	2
	35	79.5	20220	26060	47570	47570	174	2
	40	77.8	17230	21750	43360	45890	173	2
	50	74.3	12900	15920	31230	33330	170	2
	60	70.8	9780	12170	23950	25720	167	2
	70	67.2	7500	9540	19090	20620	163	1
	80	63.5	5820	7600	15620	16960	159	1

Boom Lgth	Radius in Feet	Boom Angle Degrees	Free Over Side	Free Over Rear	Outriggers Set		Feet From Boom Point	Min. Load Line
					Over Side	Over Rear		
170 feet Cont.	90	59.7	4530	6110	13010	14210	153	1
	100	55.7	3510	4920	10980	12060	147	1
	110	51.5	2670	3960	9350	10330	140	1
	120	47.0	1980	3160	8010	8910	131	1
	130	42.2	1390	2480	6900	7730	121	1
	140	36.9	—	1900	5950	6720	109	1
	150	30.9	—	1390	5130	5850	94	1
	160	23.5	—	—	4420	5100	74	1
	170	12.6	—	—	3790	4420	44	1
180 feet	33	80.8	21360	28010	42420	42420	184	2
	35	80.1	19940	25870	42270	42270	184	2
	40	78.5	16950	21560	41790	41790	183	2
	50	75.2	12630	15720	31070	33160	181	2
	60	71.9	9580	11970	23780	25550	178	1
	70	68.5	7300	9340	18910	20440	174	1
	80	65.1	5620	7400	15440	16780	170	1
	90	61.5	4330	5910	12830	14020	165	1
	100	57.8	3310	4720	10790	11870	159	1
	110	54.0	2470	3760	9160	10140	152	1
	120	49.9	1780	2960	7820	8720	144	1
	130	45.6	1160	2280	6710	7540	135	1
	140	41.0	—	1700	5760	6530	125	1
	150	35.9	—	1200	4950	5670	112	1
	160	30.0	—	—	4240	4910	97	1
	170	22.8	—	—	3610	4250	76	1
	180	12.3	—	—	3050	3650	45	1
190 feet	34	81.0	20310	26700	37710	37710	194	2
	35	80.6	19620	25660	37580	37580	194	2
	40	79.1	16640	21350	37110	37110	193	2
	50	76.0	12320	15510	30890	32980	191	2
	60	72.9	9350	11750	23590	25360	188	1
	70	69.7	7090	9120	18720	20250	185	1
	80	66.5	5410	7180	15240	16580	181	1
	90	63.1	4120	5690	12630	13820	176	1
	100	59.7	3090	4500	10590	11670	171	1
	110	56.1	2250	3540	8960	9940	164	1
	120	52.4	1510	2740	7620	8520	157	1
	130	48.5	—	2060	6510	7340	149	1
	140	44.3	—	1490	5560	6330	139	1
	150	39.8	—	—	4740	5460	128	1
	160	34.9	—	—	4030	4710	115	1
	170	29.2	—	—	3410	4050	99	1
	180	22.2	—	—	2860	3460	78	1
	190	12.0	—	—	2360	2920	46	1
200 feet	36	80.8	18650	24480	33650	33650	204	2
	40	79.7	16320	21130	33270	33270	203	2
	50	76.7	12010	15290	30720	32140	201	2
	60	73.8	9040	11530	23410	25170	199	1
	70	70.8	6870	8900	18530	20050	195	1
	80	67.7	5190	6960	15050	16380	192	1
	90	64.6	3900	5470	12430	13620	187	1
	100	61.4	2840	4280	10390	11460	182	1
	110	58.0	1960	3320	8760	9730	176	1
	120	54.6	1230	2520	7420	8310	170	1
	130	51.0	—	1850	6300	7130	162	1
	140	47.2	—	1270	5350	6120	153	1
	150	43.2	—	—	4540	5260	143	1
	160	38.8	—	—	3830	4500	132	1
	170	34.0	—	—	3210	3840	118	1
	180	28.4	—	—	2660	3250	102	1
	190	21.7	—	—	2160	2730	80	1
	200	11.7	—	—	1710	2250	47	1

NO. 9HL JIB RATINGS (cont.)

With 59S Hammerhead Boom

Boom Length	Boom 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
150' (cont.)	50	19,000	19,000	19,000	19,000	19,000	17,980	19,000	17,230	
	60	19,000	19,000	19,000	19,000	19,000	17,980	18,690	16,430	14,760
	70	18,250	18,260	18,260	18,400	18,400	17,980	17,750	15,730	14,260
	80	14,780	14,780	14,780	14,910	14,920	14,920	15,040	15,040	13,820
	90	12,180	12,180	12,180	12,310	12,310	12,320	12,440	12,440	12,440
	100	10,140	10,150	10,150	10,280	10,280	10,280	10,400	10,400	10,410
	110	8,520	8,520	8,530	8,660	8,660	8,660	8,780	8,780	8,790
	120	7,200	7,200	7,210	7,330	7,330	7,330	7,450	7,450	7,460
	130	6,090	6,100	6,100	6,230	6,230	6,230	6,340	6,340	6,350
	140	5,160	5,160	5,160	5,290	5,290	5,290	5,410	5,410	5,420
	150	4,360	4,370	4,370	4,490	4,490	4,500	4,610	4,610	4,620

J7460.02

NO. 9HL JIB RATINGS

With 59S Tapered Tip Boom and "L-L" (24,800 lb.) Counterweight

Boom Length	Boom 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
110'	32	19,000								
	35	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	18,920						
	80	16,680	16,690	16,690						
	90	14,090	14,090	14,100						
	100	12,070	12,080	12,080						
120'	110	10,470	10,470	10,470						
	33	19,000								
	35	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	18,970						
	80	16,450	16,450	16,450						
	90	13,860	13,860	13,860						
130'	100	11,840	11,840	11,840						
	110	10,230	10,230	10,230						
	120	8,910	8,910	8,920						
	35	19,000			19,000					
	37				18,990					
	40	19,000			18,470	16,890				
	50	19,000	19,000	19,000	17,890	16,530	15,300			
	60	19,000	19,000	19,000	17,380	16,140	15,090			
	70	19,000	19,000	19,000	16,290	15,720	14,800			
140'	80	16,190	16,190	16,200	16,280	15,690	14,680			
	90	13,600	13,600	13,600	13,680	13,690	13,690			
	100	11,590	11,590	11,590	11,670	11,670	11,680			
	110	9,970	9,970	9,970	10,050	10,050	10,060			
	120	8,650	8,650	8,660	8,730	8,730	8,740			
	130	7,560	7,560	7,560	7,630	7,640	7,640			
	36	19,000			18,820					
	39				18,800					
	40	19,000			18,340					
150'	50	19,000	19,000	19,000	17,840	16,430	15,100			
	60	19,000	19,000	19,000	17,300	16,080	14,910			
	70	19,000	19,000	19,000	16,050	15,750	14,720			
	80	15,970	15,970	15,970	13,380	13,450	13,450			
	90	13,370	13,370	13,380	11,440	11,440	11,440			
	100	11,350	11,350	11,360	9,810	9,820	9,820			
	110	9,740	9,740	9,750	8,490	8,500	8,500			
	120	8,420	8,420	8,430	7,400	7,400	7,400			
	130	7,320	7,330	7,330	6,470	6,470	6,480			
150'	140	6,390	6,390	6,400						
	38	19,000			18,460			14,240		
	40							13,910		
	43	19,000						13,440	12,170	
	50	19,000	19,000		18,070	16,460		12,980	11,860	10,830
	60	19,000	19,000	18,420	17,650	16,240	14,770	12,590	11,520	10,570
	70	19,000	19,000	18,130	17,230	15,940	14,660	12,170	11,170	10,270
	80	15,720	15,720	15,730	15,810	15,610	14,530	11,250	10,770	9,990
	90	13,120	13,120	13,120	13,200	13,200	13,210	9,640	9,640	9,650
	100	11,110	11,110	11,110	11,180	11,180	11,180	8,310	8,310	8,320
	110	9,480	9,490	9,490	9,570	9,570	9,570	7,210	7,210	7,220
	120	8,160	8,170	8,170	8,250	8,250	8,250	6,280	6,280	6,290
	130	7,070	7,070	7,070	7,150	7,150	7,150	5,490	5,490	5,490
	140	6,140	6,140	6,140	6,210	6,210	6,220			
	150	5,340	5,350	5,350	5,420	5,430	5,430			

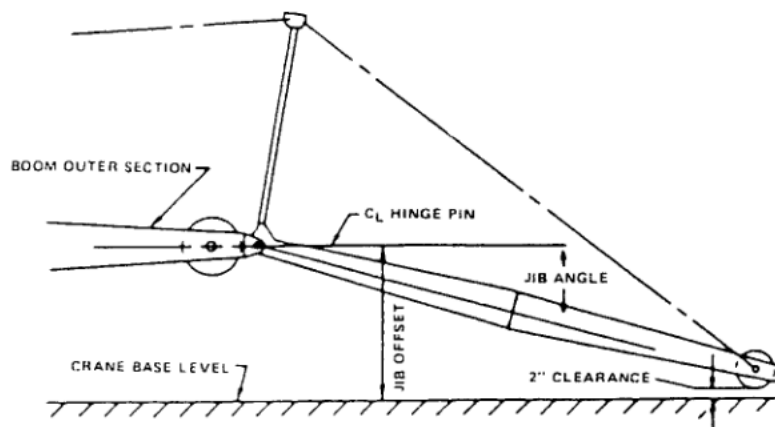
NO. 511 JIB RATING DATA

Load ratings are in pounds and do not exceed 85% of the load which would cause tipping with crane standing level on firm uniformly supporting surface. Safe loads depend on ground conditions, boom lengths, radius of operation, and proper handling, all of which must be taken into consideration by user. Radius in feet is the horizontal distance at crane base level from center of rotation 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.

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

Jib backstay line is .875 inch diameter wire rope with a minimum breaking strength of not less than 69,200 pounds.

Whip-line is .875 inch diameter 6 x 25, P, RRL, FW, IPS, IWRC wire rope with a minimum strength of not less than 69,200 pounds. Designed and rated to comply with ANSI Code B30.5.



JIB COMPOSITION

Jib Length (Feet)	20' Inner	10' Center	20' Center	20' Outer	Eff. Jib Weight in Lbs.	Jib Offset "A" in Feet		
						5°	15°	25°
40	1	0	0	1	1,850	4'9"	9'9"	14'8"
50	1	1	0	1	2,350	5'6"	11'8"	17'11"
60	1	0	1	1	2,750	6'1"	13'6"	20'9"

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.

LOAD HOISTING DATA

Maximum Lifting Capacity — Lbs.	Minimum Pts. of Line	Maximum Hoisting Distance	
		Main Drum	Aux. Drum
19,000	1	803	612

BOOM AND JIB ERECTION

59S Tubular Boom	Max. Jib Length
	No. 9HL
200' Tapered Tip	50'
150' Hammerhead	60'

5JR812

FORM NO. 7460-J9-2

PRINTED IN U.S.

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CONSTRUCTION EQUIPMENT GROUP
63 SO. ROBERT ST., ST. PAUL, MN 55107