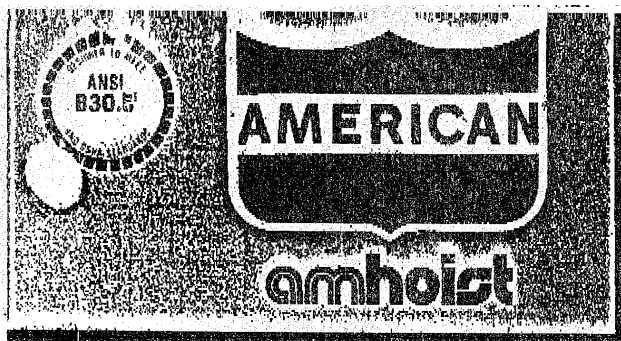




700 SERIES MODEL 7260 CRAWLER CRANE with 59S Boom

LIFT RATINGS with 59S Tubular Chord Hammerhead Boom
and "S-S" Counterweight (49,900 lbs.) (22635 kgs.)

METRIC

Boom Length Feet	Radius In Feet	Boom Angle Degrees	Rating In Pounds	Feet From Boom Point To Ground	Boom Length Meters	Radius In Meters	Boom Angle Degrees	Rating In Kilograms	Meters From Boom Point To Ground
40 feet	11	82.8	200000	48	12.2 meters	3.4	82.8	90720	14.6
	12	81.3	200000	48		3.7	81.3	90720	14.0
	15	77.0	175350	45		4.6	77.0	79540	13.7
	20	69.6	106600	44		6.1	69.6	48230	13.4
	25	61.7	76120	41		7.6	61.7	34530	12.5
	30	53.1	58840	38		9.1	53.1	26690	11.6
	35	43.3	47770	33		10.7	43.3	21670	10.1
	40	30.9	40000	26		12.2	30.9	18140	7.9
50 feet	13	81.9	198730	56	15.2 meters	4.0	81.9	90140	17.1
	15	79.6	175470	55		4.6	79.6	79590	16.8
	20	73.8	106620	54		6.1	73.8	48360	16.5
	25	67.7	76130	52		7.6	67.7	34530	15.0
	30	61.3	58810	50		9.1	61.3	26680	15.2
	35	54.5	47750	47		10.7	54.5	21660	14.3
	40	47.0	39980	42		12.2	47.0	18130	12.6
	50	27.4	29860	29		15.2	27.4	13540	8.8
60 feet	14	82.3	187000	65	18.3 meters	4.3	82.3	84820	20.1
	15	81.3	175510	65		4.6	81.3	79510	19.5
	20	76.5	106580	64		6.1	76.5	48350	18.5
	25	71.6	76110	63		7.6	71.6	34520	15.2
	30	66.5	58770	61		9.1	66.5	26600	18.8
	35	61.1	47720	59		10.7	61.1	21650	18.0
	40	55.5	39950	55		12.2	55.5	18120	16.8
	50	42.6	29810	46		15.2	42.6	13520	14.0
70 feet	60	24.8	23550	31	21.3 meters	18.3	24.8	10590	9.4
	15	82.8	175470	75		4.6	82.8	79590	22.9
	20	78.5	106500	75		6.1	78.5	48310	22.9
	25	74.3	76010	73		7.6	74.3	34480	22.3
	30	70.0	58650	72		9.1	70.0	26600	21.9
	35	65.6	47600	70		10.7	65.6	21590	21.3
	40	61.0	39820	67		12.2	61.0	18060	20.4
	50	51.0	29680	60		15.2	51.0	13480	19.2
80 feet	60	39.3	23440	50	24.4 meters	18.3	39.3	10530	15.2
	70	22.9	19100	33		21.3	22.9	6660	10.1
	15	82.8	155390	85		4.6	82.8	70480	25.9
	20	79.9	106400	85		6.1	79.9	48260	25.9
	25	76.3	75920	84		7.6	76.3	34440	25.6
	30	72.6	58540	82		9.1	72.6	26550	25.0
	35	68.8	47490	81		10.7	68.8	21540	24.7
	40	64.9	39710	78		12.2	64.9	18010	23.8
90 feet	50	56.6	29560	73	27.4 meters	15.2	56.6	13410	22.3
	60	47.5	23350	65		18.3	47.5	10590	19.6
	70	38.6	19020	53		21.3	38.6	9530	16.2
	80	21.3	15870	35		24.4	21.3	7200	10.7
	17	83.0	139410	95		5.2	83.0	63240	29.0
	20	81.0	106280	95		6.1	81.0	48210	28.0
	25	77.8	75780	94		7.6	77.8	34370	28.7
	30	74.5	58380	93		9.1	74.5	26480	28.3
100 feet	35	71.2	47340	91	30.5 meters	10.7	71.2	21470	27.7
	40	67.8	39550	89		12.2	67.8	17940	27.1
	50	60.7	29390	85		15.2	60.7	13330	25.9
	60	53.1	23200	78		18.3	53.1	10520	23.8
	70	44.6	19370	69		21.3	44.6	9500	21.0
	80	34.4	15720	57		24.4	34.4	7130	17.4
	90	20.0	19330	36		27.4	20.0	6050	11.0
	19	82.5	115390	105	30.5 meters	5.8	82.5	52340	32.0
100 feet	20	81.9	106150	105		6.1	81.9	48150	32.0
	25	79.0	75650	104		7.6	79.0	34310	31.7
	30	76.1	58230	103		9.1	76.1	26410	31.4
	35	73.2	47210	102		10.7	73.2	21410	31.1

LIFT RATINGS (cont.)

with 59S Tubular Chord Hammerhead Boom

METRIC

Boom Length Feet	Radius In Feet	Boom Angle Degrees	Rating In Pounds	Feet From Boom Point To Ground	Boom Length Meters	Radius In Meters	Boom Angle Degrees	Rating In Kilograms	Meters From Boom Point To Ground
100 feet (cont.)	40	70.1	39400	100	30.5 meters (cont.)	12.2	70.1	17870	30.5
	50	63.9	29240	96		15.2	63.9	13260	29.3
	60	57.3	23060	90		18.3	57.3	10460	27.4
	70	50.2	18720	83		21.3	50.2	8490	25.3
	80	42.1	15580	73		24.4	42.1	7070	22.3
	90	32.5	13180	60		27.4	32.5	5980	19.3
	100	18.9	11310	38		30.5	18.9	5130	11.6
110 feet	20	82.7	108000	115	33.5 meters	6.1	82.7	48080	35.1
	25	80.0	75510	114		7.6	80.0	34250	34.7
	30	77.4	58060	113		9.1	77.4	26340	34.4
	35	74.7	47040	112		10.7	74.7	21340	34.1
	40	72.0	39220	111		12.2	72.0	17790	33.8
	50	66.4	29050	107		15.2	66.4	13180	32.6
	60	60.6	22880	102		18.3	60.6	10380	31.1
	70	54.4	18550	95		21.3	54.4	8410	29.0
	80	47.7	15390	87		24.4	47.7	6980	26.5
	90	40.1	13000	77		27.4	40.1	5900	23.5
	100	31.0	11130	62		30.5	31.0	5050	18.9
120 feet	110	19.0	9620	40		33.5	19.0	4360	12.2
	21	82.8	95520	125	36.6 meters	6.4	82.8	43330	38.1
	25	80.9	75360	125		7.6	80.9	34180	38.1
	30	78.5	57890	124		9.1	78.5	26260	37.8
	35	76.0	46880	123		10.7	76.0	21280	37.5
	40	73.5	39060	121		12.2	73.5	17720	36.9
	50	68.5	28880	118		15.2	68.5	13100	35.0
	60	63.3	22720	113		18.3	63.3	10310	34.4
	70	57.8	18380	107		21.3	57.8	8340	32.8
	80	51.9	15240	100		24.4	51.9	6910	30.5
	90	45.5	12840	91		27.4	45.5	5820	27.7
	100	38.3	10970	80		30.5	38.3	4960	24.4
130 feet	110	29.6	9450	65		33.5	29.6	4290	19.8
	120	17.2	8220	41		36.6	17.2	3730	12.5
	22	82.9	80970	135	39.6 meters	6.7	82.9	36730	41.1
	25	81.6	76200	135		7.6	81.6	34110	41.1
	30	79.4	57720	134		9.1	79.4	26180	40.8
	35	77.1	46710	133		10.7	77.1	21190	40.5
	40	74.8	38880	132		12.2	74.8	17640	40.2
	50	70.2	28680	128		15.2	70.2	13010	39.0
	60	65.5	22540	124		18.3	65.5	10220	37.8
	70	60.5	18200	119		21.3	60.5	8260	36.3
	80	55.3	15040	113		24.4	55.3	6820	34.4
	90	49.7	12650	105		27.4	49.7	5740	32.0
	100	43.6	10780	96		30.5	43.6	4890	29.3
140 feet	110	36.7	9260	83		33.5	36.7	4200	25.3
	120	28.4	8020	67	42.7 meters	36.6	28.4	3640	20.4
	130	16.5	6990	42		39.6	16.5	3170	12.8
	24	82.6	68380	145		7.3	82.6	31020	44.2
	25	82.2	68380	145		7.6	82.2	31020	44.2
	30	80.1	57550	144		9.1	80.1	26100	43.9
	35	78.0	46540	143		10.7	78.0	21110	43.6
	40	75.9	38700	142		12.2	75.9	17550	43.3
	50	71.7	28490	139		15.2	71.7	12920	42.4
	60	67.3	22360	135		18.3	67.3	10140	41.1
	70	62.8	18020	131		21.3	62.8	8170	39.9
	80	58.1	14870	125		24.4	58.1	6750	38.1
150 feet	90	53.1	12480	118		27.4	53.1	5680	36.0
	100	47.8	10590	110		30.5	47.8	4800	33.5
	110	41.9	9080	99		33.5	41.9	4120	30.2
	120	35.3	7830	87		36.6	35.3	3550	26.5
	130	27.3	6790	70		39.6	27.3	3080	21.3
	140	15.9	5920	44		42.7	15.9	2690	13.4
	25	82.7	58830	155	45.7 meters	7.6	82.7	26690	47.2
	30	80.8	57370	154		9.1	80.8	25020	46.9
	35	78.8	46370	153		10.7	78.8	21030	46.6
	40	76.9	38510	152		12.2	76.9	17470	46.3
	50	72.9	28290	149		15.2	72.9	12930	45.4
	60	68.9	22170	146		18.3	68.9	10060	44.5
	70	64.8	17830	142		21.3	64.8	8090	43.3
	80	60.4	14670	136		24.4	60.4	6650	41.5
	90	55.9	12270	130		27.4	55.9	5570	39.6
	100	51.2	10400	123		30.5	51.2	4720	37.5
	110	46.1	8870	114		33.5	46.1	4020	34.7
150 feet	120	40.4	7630	103		36.6	40.4	3460	31.4
	130	34.1	6590	90		39.6	34.1	2990	27.4
	140	26.3	5710	72		42.7	26.3	2590	21.9
	150	15.3	4960	45		45.7	15.3	2260	13.7

CRANE RATING DATA

Load ratings are in pounds (kilograms) and do not exceed 75% of the load which would cause tipping with crane standing level on firm uniformly supporting surface. Safe loads depend on ground conditions, boom length, radius of operation, and proper handling, all of which must be taken into consideration by user.

Lifting is approved only in those areas for which ratings are shown in the rating chart.

"Radius in feet (meters)" is the horizontal distance at crane base level from center pin to 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. Retractable A-frame must be in fully raised position for all ratings.

Ratings in shaded areas are based on structural limitations rather than stability.

Main load line is 1" (25.4 mm) dia. IPS with a minimum breaking strength of 89,800 pounds (40733 kilograms). Boom suspension rope is 10 parts .75" (19 mm) dia. EIPS with a minimum breaking strength of 58,800 pounds (26672 kilograms). Boom suspension pendants are 2 parts of 1.375" (34.9 mm) dia. with a minimum breaking strength of 208,000 pounds (94349 kilograms).

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

LOAD HOISTING DATA

METRIC

Maximum Lifting Capacity	Minimum Parts of Load Line	Maximum Hoisting Distance		
		RH Drum With Controlled Load Lowering	LH Drum With Controlled Load Lowering	LH Drum Without Controlled Load Lowering
		ft.	ft.	ft.
200000	8	72	45	55
179600	7	83	52	63
153940	6	96	60	73
1280	5	118	72	88
102630	4	145	91	110
76970	3	193	121	147
51310	2	290	182	221
25660	1	581	364	442

Based on 1 in. IPS load line with 89,800 lbs. minimum breaking strength.

Maximum Lifting Capacity	Minimum Parts of Load Line	Maximum Hoisting Distance		
		RH Drum With Controlled Load Lowering	LH Drum With Controlled Load Lowering	LH Drum Without Controlled Load Lowering
		m	m	m
90720	8	21.9	13.7	16.8
81470	7	25.3	15.8	19.2
69830	6	29.3	18.3	22.3
58190	5	35.4	21.9	26.8
46550	4	44.2	27.7	33.5
34910	3	58.8	36.9	44.8
23270	2	88.4	55.5	67.4
11640	1	177.1	110.9	134.7

Based on 25.4 mm dia. load line with 40733 kgs. minimum breaking strength.

BOOM AND JIB ERECTION

METRIC

Boom Length	Max. 9HL Jib Length
180' (54.9 m) Hammerhead	70'
200' (61.0 m) Tapered Tip	80'

Boom & jib erection is over the end of the machine with idler tumbler blocked and with "S-S" counterweight.

Boom Length	Max. 9HL Jib Length
180' (54.9 m) Hammerhead	21.3 m
200' (61.0 m) Tapered Tip	24.4 m

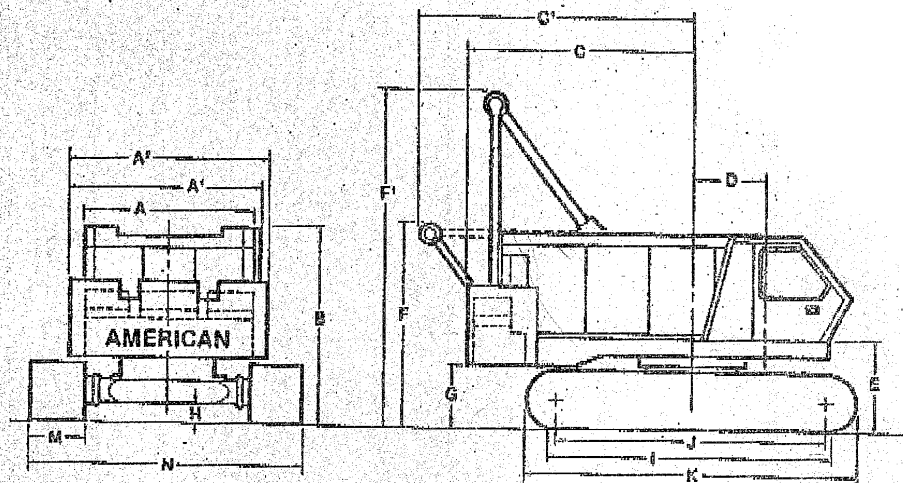
59S HAMMERHEAD BOOM COMPOSITION

Boom Length		20 Ft. (6.1 m) 59H Inner	10 Ft. (3.1 m) 59S Center	20 Ft. (6.1 m) 59S Center	40 Ft. (12.2 m) 59S Center	20 Ft. (6.1 m) 59SH Outer Base	Hammer-head
ft.	m						
40	12.2	1	—	—	—	1	1
50	15.3	1	1	—	—	1	1
60	18.3	1	—	1	—	1	1
70	21.3	1	1	—	—	1	1
80	24.4	1	—	—	1	1	1
90	27.9	1	1	—	1	1	1
100	30.5	1	—	1	1	1	1
110	33.5	1	1	1	1	1	1
120	36.6	1	—	—	2	1	1
130	39.6	1	1	—	2	1	1
140	42.7	1	—	1	2	1	1
150	45.7	1	1	1	2	1	1
160	48.8	1	—	—	3	1	1
170	51.8	1	1	—	3	1	1
180	54.9	1	—	1	3	1	1

59S TAPERED TIP BOOM COMPOSITION

Boom Length		20 Ft. (6.1 m) 59H Inner	10 Ft. (3.1 m) 59S Center	20 Ft. (6.1 m) 59S Center	40 Ft. (12.2 m) 59S Center	20 Ft. (6.1 m) 59SH Outer Base	20 Ft. (6.1 m) 59SH Tapered Tip
ft.	m						
60	18.3	1	—	—	—	1	1
70	21.3	1	1	—	—	1	1
80	24.4	1	—	1	—	1	1
90	27.4	1	1	1	—	1	1
100	30.5	1	—	—	1	1	1
110	33.5	1	1	—	1	1	1
120	36.6	1	—	1	1	1	1
130	39.6	1	1	1	1	1	1
140	42.7	1	—	—	2	1	1
150	45.7	1	1	—	2	1	1
160	48.8	1	—	1	2	1	1
170	51.8	1	1	1	2	1	1
180	54.9	1	—	—	3	1	1
190	57.9	1	1	—	3	1	1
200	61.0	1	—	1	3	1	1

AMERICAN MODEL 7260 CRAWLER



GENERAL DIMENSIONS

	FT.	MM
A Width of cab	10'6"	3200
A' Width over counterweight	11'11 1/2"	3645
A'' Width of machinery cab plus operator cab	10'11"	3327
B Height over cab	11'9"	3591
C Tailswing	14'9"	4496
C' Tailswing with A-frame retracted	16'9 1/2"	5118
D Center of pivot to center of crane boom foot	4'1 1/2"	1257
E Ground to center of crane boom foot	5'6"	1676
F Height over A-frame in retracted position	12'2"	3708
F' Height over A-frame in raised position	20'7"	6274
G Ground to bottom of counterweight	3'11"	1194
H Minimum ground clearance under crawler base	14"	4267

	FT.	MM
I Crawler bearing length	17'2 1/2"	5245
J Center to center crawler tumbler	16'4"	4978
K Overall length to crawlers	19'6 1/2"	5956
M Width of tread shoes (Standard)	33"	901
M' Width of tread shoes (Optional)	44" or 50"	1117 or 1270
N Overall width over crawlers		
38" (.965 m) Shoes	16'8"	5080
44" (1.118 m) Shoes	17'2"	5232
50" (1.270 m) Shoes	17'8"	5385
N' Width with side frames removed (over crawler axles)	11'0"	3353
O Overall length of cab and counterweight	19'8"	5994

PERFORMANCE

TRAVEL SPEED	0.9 MPH	1.45 KPH
SWING SPEED	3 RPM	3 RPM

SINGLE LINE SPEED:

Crane Hoist	165 FPM	50.3 MPM
Dragline	157 FPM	47.9 MPM
Magnet	200 FPM	61.0 MPM
Third Drum (Standard Travel)	185 FPM	56.4 MPM
Third Drum (Independent Travel)	115 FPM	35.0 MPM

SINGLE LINE PULL:

Crane Hoist	29,500 lbs. SLP	13381 kg
Dragline	31,400 lbs. SLP	14240 kg
Magnet	24,400 lbs. SLP	11068 kg
Third Drum (Std. Travel)	10,000 lbs. SLP	4536 kg
Third Drum (Ind. Travel)	16,000 lbs. SLP	7256 kg

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

WEIGHTS

7260 lifting crane with "S-S" counterweight and 40 ft. (12.19 m) boom with hammerhead:

38" (965 mm) shoes	44" (1117 mm) shoes	50" (1270 mm) shoes
167,900 #	170,050 #	172,650 #
76,159 kg	77,135 kg	78,314 kg

	LBS.	KG.
Counterweight	49,900	22635
Hammerhead tip	2,150	975
Crane boom outer	1,060	481
Crane boom inner	2,230	1011
Boom stops	350	160
Outer bail assy.	965	440
Crawler side frames (38" 965 mm shoes)	45,740	21200
Drive couplings	840	380
Crawler axles	7,900	3590
Carbody assy.	11,120	5040

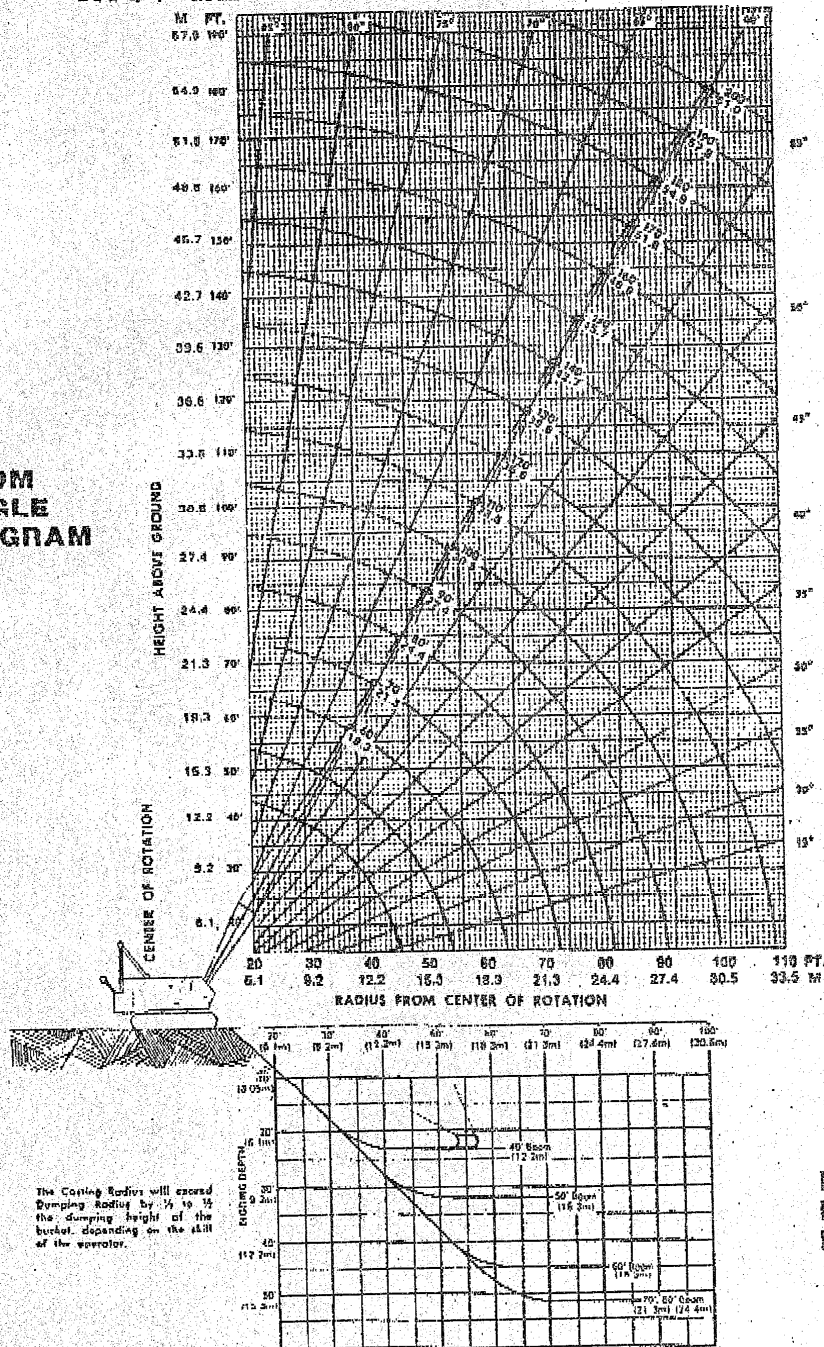
GROUND PRESSURES

Lifting crane with 40 ft. (12.19m) boom with hammerhead and "S-S" counterweight.

38" (965 mm) shoes	44" (1117 mm) shoes	50" (1270 mm) shoes
10.7 PSI	9.4 PSI	8.4 PSI

MODEL 7260 WORKING RANGES

BOOM ANGLE DIAGRAM



DRAGLINE DIGGING DEPTH

7260-CR-6

PRINTED

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