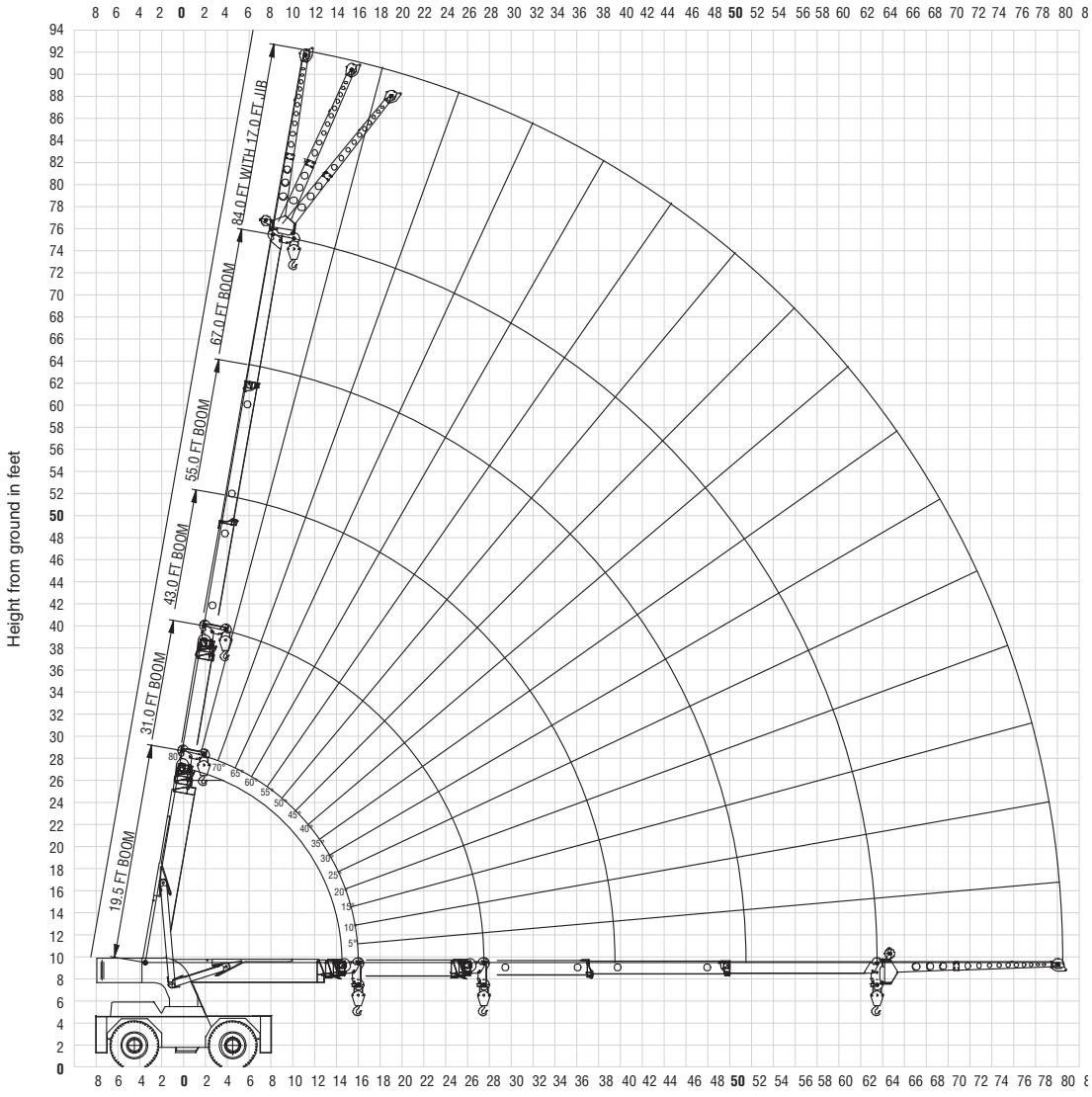
STERLING CRANE

LIFTING CHARTS - Carry Decks

GROVE MODEL YB7722XL - 22 TON CAPACITY

range diagram

YB7722 XL (5-section boom)



STERLING CRANE

load chart

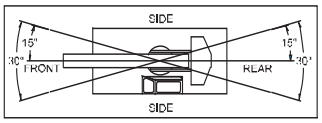
YB7722 XL (5-section boom)

MAIN HOOM LOAD RATINGS ON OUTRIGGERS
Extended and Down 360° or Retracted and Down: Front/Rear

	19.5 ft Boom		20.5-30 ft Boom	31 ft Boom		32-42 ft Boom	43 ft Boom		44-54 ft Boom	55 ft Boom		56-66 ft Boom	67 ft Boom	
Radius (ft)	Boom Angle (deg)	Rated Load (lbs)	Rated Load (lbs)	Boom Angle (deg)	Rated Load (lbs)	Rated Load (lbs)	Boom Angle (deg)	Rated Load (lbs)	Rated Load (lbs)	Boom Angle (deg)	Rated Load (lbs)	Rated Load (lbs)	Boom Angle (deg)	Rated Load (lbs)
8.5	58	44000	26500	71	26500	25400	76	25400	19500	79	19500	-	-	-
10	52	40000	26500	68	26500	25400	74	25400	19500	78	19500	-	-	-
12	44	33800	25300	64	24200	24200	72	24200	17600	76	17600	14500	78	14500
14	33	28500	22900	59	22900	22600	69	22600	16100	74	16100	13200	77	13200
16	0	23700	20900	55	20900	20000	66	20000	14800	71	14800	12200	75	12200
18	-	-	19300	50	19300	17900	63	17900	13700	69	13700	11200	73	11200
20	-	-	17800	45	17800	16100	60	16100	12800	67	12800	10400	71	10400
22	-	-	16400	39	16400	14600	56	14600	12000	64	12000	9700	69	9700
24	-	-	14700	31	14700	13300	53	13300	11200	62	11200	9100	67	9100
26	-	-	13200	22	13200	12300	49	12300	10600	60	10600	8600	66	8600
27.5	-	-	11600	0	11600	11600	47	11600	10200	58	10200	8200	64	8200
30	-	-	-	-	-	9900	42	10500	9400	55	9400	7700	62	7700
32	-	-	-	-	-	8800	37	9800	8700	52	8700	7300	60	7300
34	-	-	-	-	-	7800	32	8700	8100	49	8100	6900	58	6900
36	-	-	-	-	-	7100	26	7800	7600	46	7600	6600	56	6600
38	-	-	-	-	-	6500	18	7000	7000	43	7100	6300	53	6300
39.5	-	-	-	-	-	6400	0	6400	6400	41	6800	6100	52	6100
42	-	-	-	-	-	-	-	-	5700	36	6300	5800	49	5800
44	-	-	-	-	-	-	-	-	5300	32	5800	5600	47	5600
46	-	-	-	-	-	-	-	-	4900	28	5300	5300	44	5300
48	-	-	-	-	-	-	-	-	4600	23	4800	4800	42	5000
50	-	-	-	-	-	-	-	-	4400	16	4400	4400	39	4700
51.5	-	-	-	-	-	-	-	-	4000	0	4000	4000	37	4600
54	-	-	-	-	-	-	-	-	-	-	-	3800	33	4200
56	-	-	-	-	-	-	-	-	-	-	-	3600	29	3900
58	-	-	-	-	-	-	-	-	-	-	-	3400	25	3600
60	-	-	-	-	-	-	-	-	-	-	-	3200	20	3300
62	-	-	-	-	-	-	-	-	-	-	-	3000	14	3000
63.5	-	-	-	-	-	-	-	-	-	-	-	2800	0	2800

RATING REDUCTIONS FOR LOAD HANDLING DEVICES INSTALLED (lbs)

	FROM MAIN HOOM	FROM JIB
MAIN HLOCK	400	N/A
HOOK & HALL	100	100
JIB STOWED	0	N/A
JIB DEPLOYLD	500	0



MAIN HOOM LOAD RATINGS ON OUTRIGGERS
Retracted and Down 360°

	19.5 ft Hoom		20.5-30 ft Boom	31 ft Hoom		32-42 ft Boom	43 ft Hoom		44-54 ft Boom	55 ft Hoom		56-66 ft Boom	67 ft Hoom	
Radius (ft)	Hoom Angle (deg)	Rated Load (lbs)	Rated Load (lbs)	Hoom Angle (deg)	Rated Load (lbs)	Rated Load (lbs)	Hoom Angle (deg)	Rated Load (lbs)	Rated Load (lbs)	Hoom Angle (deg)	Rated Load (lbs)	Rated Load (lbs)	Hoom Angle (deg)	Rated Load (lbs)
8.5	58	31000	26500	71	26500	25400	76	25400	19500	79	19500x	-	-	-
10	52	24000	22300	68	22300	22000	74	22000	19500	78	19500	-	-	-
12	44	17200	16300	64	16300	16300	72	17000	17000	76	17100	14500	78	14500
14	33	13300	12500	59	12500	12500	69	13600	13600	74	14000	13200	77	13200
16	0	10200	9800	55	9800	9800	66	11100	11100	71	11200	11200	75	11500
18	-	-	7900	50	7900	7900	63	9100	9100	69	9300	9300	73	9400
20	-	-	6500	45	6500	6500	60	7500	7500	67	7600	7700	71	7700
22	-	-	5300	39	5300	5300	56	6200	6200	64	6200	6600	69	6600
24	-	-	4300	31	4300	4300	53	5200	5200	62	5600	5600	67	5600
26	-	-	3500	22	3500	3500	49	4400	4400	60	4800	4800	66	5000
27.5	-	-	2900	0	2900	2900	47	3900	3900	58	4300	4300	64	4600
30	-	-	-	-	-	2600	42	3200	3200	55	3600	3600	62	3900
32	-	-	-	-	-	2300	37	2700	2700	52	3100	3100	60	3400
34	-	-	-	-	-	1900	32	2300	2300	49	2700	2700	58	2900
36	-	-	-	-	-	1750	26	1900	1900	46	2300	2300	56	2500
38	-	-	-	-	-	1500	18	1600	1600	43	2000	2000	53	2100
39.5	-	-	-	-	-	1400	0	1400	1400	41	1750	1750	52	1850
42	-	-	-	-	-	-	-	-	1150	36	1450	1450	49	1500
44	-	-	-	-	-	-	-	-	1000	32	1200	1200	47	1300
46	-	-	-	-	-	-	-	-	850	28	1000	1000	44	1100
48	-	-	-	-	-	-	-	-	750	23	850	850	42	950
50	-	-	-	-	-	-	-	-	650	16	700	700	39	800
51.5	-	-	-	-	-	-	-	-	600	0	600	600	37	700
54	-	-	-	-	-	-	-	-	-	-	-	450	33	500
56	-	-	-	-	-	-	-	-	-	-	-	350	29	350
58	-	-	-	-	-	-	-	-	-	-	-	250	25	250
60	-	-	-	-	-	-	-	-	-	-	-	150	20	150
62	-	-	-	-	-	-	-	-	-	-	-	50	14	50
63.5	-	-	-	-	-	-	-	-	-	-	-	-	0	-

1) The rated loads are the maximum lifting capacities as determined by operating radius, boom length, and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) Rated load columns for discrete boom lengths apply when actual boom length is within +/- 1.0 ft. of discrete length. For other boom lengths, use appropriate intermediate boom length column.

3) For operating radius not shown, use load rating of next larger radius.

4) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper handling must all be taken into account by the operator.

5) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except for the hoist rope, shall be considered as part of the load. See reduction chart.

6) Ratings on outriggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting.

7) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (110 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth hard level surface with boom retracted to the shortest length possible and centered over front. For 360° ratings on rubber, rear axle oscillation locks must be in place. Do not use jib with crane on rubber.

8) The maximum combined total boom and deck load is 20,000 lbs. The maximum deck load only is 30,000 lbs.

	MAIN HOOM ON RUBBER	
	Any Hoom Length	
Radius (ft)	Front Rating (lbs)	360° Rating (lbs)
6	30000	21000
8	28000	17900
10	25000	15000
12	19600	12400
14	15500	9500
16	12400	7400
18	9900	6000
20	8100	4600
22	6800	3700
24	5700	3000
26	4900	2350
28	4200	2100
30	3700	1800
32	3300	1550
34	3000	1300
36	2700	1100
38	2500	950
40	2200	800
42	2000	675
44	1800	550
46	1650	450
48	1400	350
50	1300	250
52	1150	200
54	1050	150
56	950	75
58	875	25
60	800	-
62	700	-

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.

MAXIMUM PERMISSIBLE SINGLE LINE PULL = 11,000 lbs

WIRE ROPE: 5/8 inch dia. 6 x 19 XIPS IWRC RRISI IT
Min. req'd breaking strength = 38,500 lbs

17 FT JIB CAPACITIES ON EXTENDED OUTRIGGERS

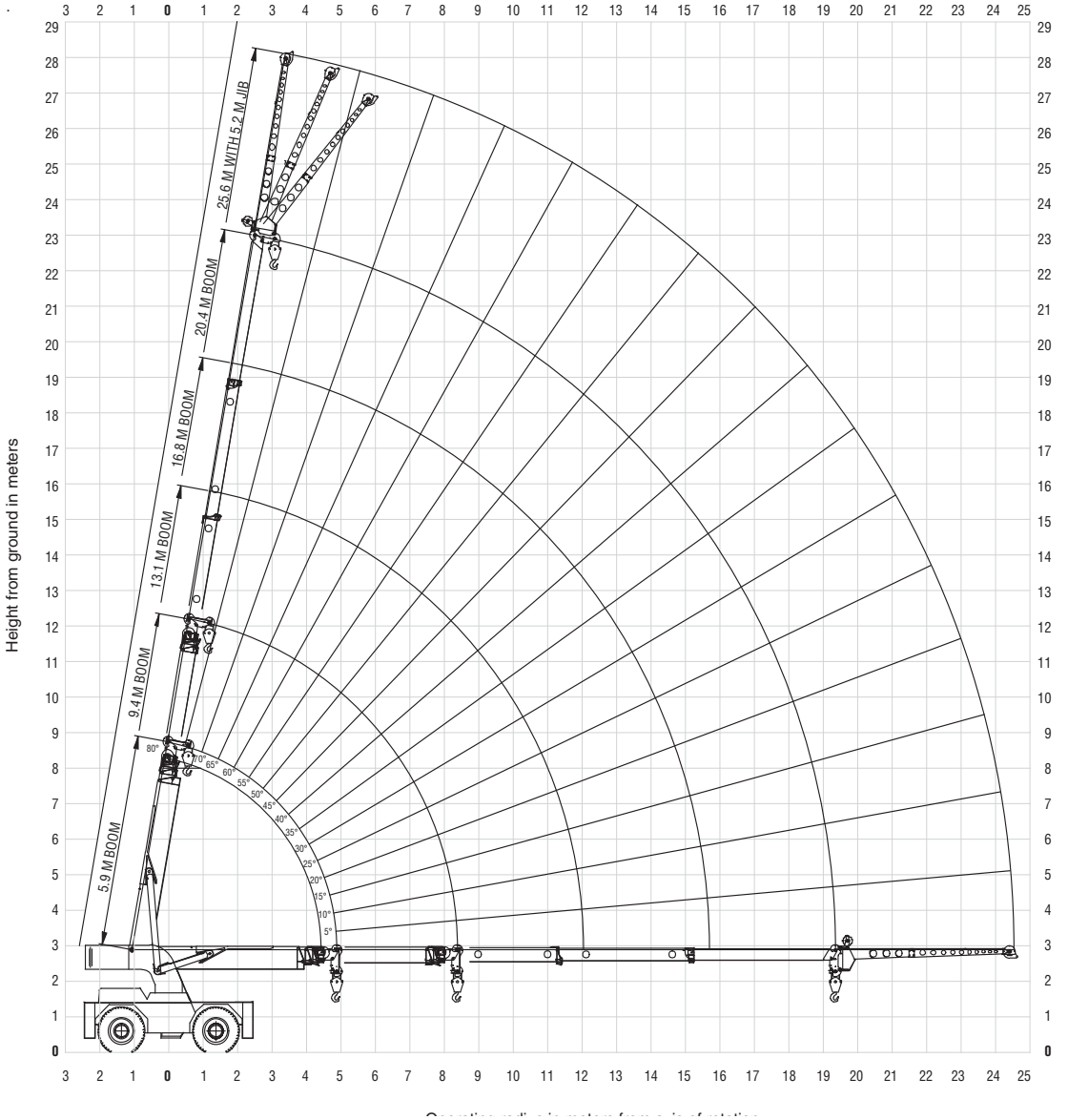
Main Hoom Angle (deg)	Jib Offset Angle				
	0 deg		15 deg		30 deg
	To 55.0 ft Main Hoom	To 67.0 ft Main Hoom	To 55.0 ft Main Hoom	To 67.0 ft Main Hoom	Any Hoom Length
80	-	-	5000	5000	3500
75	7500	-	4400	4400	3100
70	6100	-	3900	3900	2800
65	5000	4600	3500	3500	2550
60	4300	3800	3150	3150	2350
55	3800	3300	2850	2850	2200
50	3400	2900	2600	2600	2100
45	3050	2600	2400	2400	2000
40	2800	2400	2250	2250	1950
35	2600	2150	2150	2050	1900
30	2400	1930	2080	1950	1830
25	2300	1750	2050	1720	-
20	2200	1600	2000	1530	-
15	2100	1500	1950	1520	-
10	2050	1460	-	-	-

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

STERLING CRANE

range diagram

YB7722XL (5-section boom)



STERLING CRANE

DIN/ISO load chart

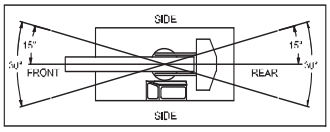
YB7722XL (5-section boom)

MAIN BOOM LOAD RATINGS ON OUTRIGGERS
Extended and Down 360° or Retracted and Down Front/Rear

Radius (m)	5.9 m Boom		6.2-9.1 m Boom		9.4 m Boom		9.7-12.0m Boom		13.1 m Boom		13.4-16.5m Boom		16.0 m Boom		17.1-20.1m Boom		20.4 m Boom	
	Boom Angle (deg)	Rated Load (kg)	Rated Load (kg)		Boom Angle (deg)	Rated Load (kg)	Rated Load (kg)		Boom Angle (deg)	Rated Load (kg)	Rated Load (kg)		Boom Angle (deg)	Rated Load (kg)	Rated Load (kg)		Boom Angle (deg)	Rated Load (kg)
2.6	80	19950	12020		71	12020	11520		76	11520	8850		79	8850	-		-	-
3.0	82	18140	12020		69	12020	11520		74	11520	8850		76	8850	-		-	-
3.7	44	15410	11480		64	11480	10980		72	10980	7980		76	7980	6580		76	6580
4.3	33	12930	10980		59	10980	10250		69	10250	7300		74	7300	6990		77	6990
4.9	0	10750	9480		55	9480	9070		66	9070	6710		71	6710	5530		75	5530
5.5	-	-	8750		50	8750	8120		63	8120	6210		69	6210	5080		73	5080
6.1	-	-	7940		45	7940	7300		60	7300	5810		67	5810	4720		71	4720
6.7	-	-	7440		39	7440	6620		56	6620	5440		64	5440	4400		69	4400
7.3	-	-	6550		31	6550	6030		53	6030	5060		62	5060	4130		67	4130
7.9	-	-	5520		22	5520	5520		49	5590	4810		60	4810	3900		66	3900
8.4	-	-	4790		0	4790	4790		47	5150	4630		58	4630	3720		64	3720
9.1	-	-	-		-	-	4050		42	4830	4260		55	4260	3490		62	3490
9.8	-	-	-		-	-	3560		37	4040	3850		52	3850	3310		60	3310
10.4	-	-	-		-	-	3160		32	3560	3560		49	3670	3110		58	3110
11.0	-	-	-		-	-	2800		26	3160	3160		46	3450	2990		56	2990
11.6	-	-	-		-	-	2600		19	2830	2830		43	3100	2860		53	2860
12.0	-	-	-		-	-	2500		0	2500	2500		41	2920	2770		52	2770
12.8	-	-	-		-	-	-		-	-	2200		36	2540	2540		49	2630
13.4	-	-	-		-	-	-		-	-	2120		32	2320	2320		47	2470
14.0	-	-	-		-	-	-		-	-	1960		29	2110	2110		44	2290
14.6	-	-	-		-	-	-		-	-	1810		23	1910	1910		42	2070
15.2	-	-	-		-	-	-		-	-	1710		16	1720	1720		39	1920
15.7	-	-	-		-	-	-		-	-	1550		0	1550	1550		37	1810
16.5	-	-	-		-	-	-		-	-	-		-	-	1470		33	1640
17.1	-	-	-		-	-	-		-	-	-		-	-	1400		29	1510
17.7	-	-	-		-	-	-		-	-	-		-	-	1290		25	1390
18.3	-	-	-		-	-	-		-	-	-		-	-	1220		20	1290
19.4	-	-	-		-	-	-		-	-	-		-	-	1040		0	1040

MAIN BOOM ON RUBBER
Any Boom Length

Radius (m)	Front Rating (kg)	360° Rating (kg)
1.8	13610	9530
2.4	12700	8120
3.0	11340	6800
3.7	9980	5200
4.3	8750	4040
4.9	7480	3140
5.5	4250	2550
6.1	3520	1950
6.7	2920	1520
7.3	2440	1170
7.9	2050	890
8.5	1700	710
9.1	1530	670
9.8	1350	550
10.4	1210	440
11.0	1080	350
11.6	960	280
12.2	850	210
12.8	700	160
13.4	600	100
14.0	570	60
14.6	500	10
15.2	440	-
15.8	370	-
16.5	330	-
17.1	290	-
17.7	240	-
18.3	200	-
18.9	170	-
19.4	130	-



MAIN BOOM LOAD RATINGS ON OUTRIGGERS
Retracted and Down 360°

Radius (m)	5.9 m Boom		6.2-9.1 m Boom		9.4 m Boom		9.7-12.0m Boom		13.1 m Boom		13.4-16.5m Boom		16.0 m Boom		17.1-20.1m Boom		20.4 m Boom	
	Boom Angle (deg)	Rated Load (kg)	Rated Load (kg)		Boom Angle (deg)	Rated Load (kg)	Rated Load (kg)		Boom Angle (deg)	Rated Load (kg)	Rated Load (kg)		Boom Angle (deg)	Rated Load (kg)	Rated Load (kg)		Boom Angle (deg)	Rated Load (kg)
2.6	80	19070	12020		71	12020	11520		76	11520	8850		79	8850	-		-	-
3.0	82	18110	9360		69	9360	9020		74	9020	8850		76	8850	-		-	-
3.7	44	7190	6800		64	6800	6800		72	7100	7100		76	7190	5590		79	5590
4.3	33	5520	5210		59	5210	5210		69	5630	5630		74	5810	5810		77	5810
4.9	0	4290	4050		55	4050	4050		66	4630	4630		71	4630	4630		75	4720
5.5	-	-	3210		50	3210	3210		63	3790	3790		69	3810	3810		73	3850
6.1	-	-	2620		45	2620	2620		60	3060	3060		67	3170	3170		71	3130
6.7	-	-	2100		39	2100	2100		56	2490	2490		64	2660	2620		69	2620
7.3	-	-	1710		31	1710	1710		53	2080	2080		62	2230	2230		67	2240
7.9	-	-	1340		22	1340	1340		49	1720	1720		60	1950	1950		66	1970
8.4	-	-	1060		0	1060	1060		47	1510	1510		58	1880	1880		64	1700
9.1	-	-	-		-	-	950		42	1200	1200		55	1580	1580		62	1500
9.8	-	-	-		-	-	820		37	1000	1000		52	1190	1190		60	1290
10.4	-	-	-		-	-	670		32	820	820		49	990	990		58	1090
11.0	-	-	-		-	-	580		26	690	690		46	850	850		56	910
11.6	-	-	-		-	-	490		19	580	580		43	690	690		53	740
12.0	-	-	-		-	-	450		0	450	490		41	580	580		52	690
12.8	-	-	-		-	-	-		-	-	350		36	460	460		49	490
13.4	-	-	-		-	-	-		-	-	290		32	360	360		47	400
14.0	-	-	-		-	-	-		-	-	220		29	270	270		44	320
14.6	-	-	-		-	-	-		-	-	170		23	200	200		42	250
15.2	-	-	-		-	-	-		-	-	120		16	140	140		39	190
15.7	-	-	-		-	-	-		-	-	100		0	100	100		37	150
16.5	-	-	-		-	-	-		-	-	-		-	-	90		33	50
17.1	-	-	-		-	-	-		-	-	-		-	-	-		29	-
17.7	-	-	-		-	-	-		-	-	-		-	-	-		25	-
18.3	-	-	-		-	-	-		-	-	-		-	-	-		20	-
19.4	-	-	-		-	-	-		-	-	-		-	-	-		0	-

RATING REDUCTIONS FOR LOAD HANDLING DEVICES INSTALLED (kg)		
	FROM MAIN BOOM	FROM JIB
MAIN BLOCK	100	N/A
HOOK & BALL	50	50
JIB STOWED	0	N/A
JIB DEPLOYED	230	0

1) The rated loads are the maximum lifting capacities as determined by operating radius, boom length, and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) Rated load columns for discrete boom lengths apply when actual boom length is within +/- 0.3 m. of discrete length. For other boom lengths, use appropriate intermediate boom length column.

3) For operating radius not shown, use load rating of next larger radius.

4) The rated loads shown on outriggers do not exceed 80% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper handling must all be taken into account by the operator.

5) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except for the hoist rope, shall be considered as part of the load. See reduction chart.

6) Ratings on outriggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting.

7) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (7.6 bar). Loads on rubber may be transported at a maximum speed of 1.4 km/h on a smooth hard level surface with boom retracted to the shortest length possible and centered over front. For 360° ratings on rubber, rear axle oscillation locks must be in place. Do not use jib with crane on rubber.

8) The maximum combined total boom and deck load is 9070 kg. The

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.

MAXIMUM PERMISSIBLE SINGLE LINE PULL = 4000 kg

WIRE ROPE: 16 mm dia. 6 x 19 XXIPS IWRC BRIGHT
Min. req'd breaking strength = 160.4 kN

5.2 m JIB CAPACITIES ON EXTENDED OUTRIGGERS (kg)

Main Boom Angle (deg)	Jib Offset Angle				
	0 deg		15 deg		90 deg
	To 16.0 m Main Boom	To 20.4 m Main Boom	To 16.0 m Main Boom	To 20.4 m Main Boom	Any Boom Length
80	-	-	2270	2270	1590
75	3400	-	2000	2000	1410
70	2770	-	1770	1770	1270
65	2270	2090	1590	1590	1160
60	1950	1720	1430	1430	1070
55	1720	1500	1290	1290	1000
50	1540	1320	1180	1180	950
45	1390	1180	1090	1090	910
40	1270	1080	1020	1020	890
35	1180	980	980	980	860
30	1090	890	940	940	840
25	1040	790	930	790	-
20	1000	730	910	720	-
15	950	680	880	690	-
10	930	650	-	-	-

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

specifications

Superstructure

Boom

YB7722: 19 ft. 6 in. – 43 ft. 0 in. (5.9m – 13.1m) three-section full power boom.
Maximum tip height: 51 ft. 8 in. (15.7m)

YB7722XL: 19 ft. 6 in. – 67 ft. 0 in. (5.9m – 20.4m) five-section full power boom.
Maximum tip height: 75 ft. 0 in. (22.8m)

Boom angle indicator mounted on both sides of base section.

*Boom Extension

17 ft. (5.18m) fixed boom extension, offsettable to 30° and 60° via pivoting boom nose.
Maximum tip height: 92 ft. 0 in. (28.0m)

Boom Nose

2 sheave, 4-position (0°, + 30°, + 60°, + 80°) pivoting boom nose for minimizing head space requirements. Lowers head height 23.9 in. (0.60m) when nose is pivoted fully forward.

Boom Elevation

Two double acting hydraulic cylinders with integral holding valve.
Elevation: 0° to 80°

Anti-Two Block Device

Standard anti-two block device, when activated, provides an audible warning to the crane operator and disengages all crane functions whose movement can cause two-blocking.

Load Indicator (wireless LSI)

A simple effective and easy to use load indicating system used in conjunction with the anti-two block system to assist the operator in efficient operation of the unit within the limits of the load chart. The display panel displays the hook load and warns the operator when a preset load capacity is exceeded. The warning is by a flashing light on the display panel. In conjunction with the load display panel (receiver), there is a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel.

*Rated Capacity Limiter (wireless RCL)

Similar to the Load Indicator, but stops the telescope out and boom lift down function when a load limit is exceeded. Uses a similar display panel with the addition of displaying boom angle and boom length read outs on the panel.

*Load Moment Indicator (hardwired LMI)

Digital display of boom angle, boom length, boom radius, capacity, and allows for operator input to set the limits based on load chart. Displays color coded light bar and audible alarm with function cutout if load exceeds entered parameters.

Swing

Ball bearing swing circle with 360° continuous rotation.
Planetary swing.
Maximum speed: 2.5 rpm

Hydraulic System

Variable displacement piston pump and piggyback gear pump.

Combined flow: 74.0 gpm (280.0 Lpm)

Maximum system operating pressure: 3600 p.s.i.

Six section valve bank, chassis mounted, operated via dash mounted, pilot pressure hydraulic joysticks.

Return line filter with full flow by-pass protection and service indicator.

60.0 gallon (227 L) hydraulic reservoir with sight level gauge and steel side plating to guard against side impact damage.

Hoist Specifications

Piston motor drive with spring applied / hyd. released brake.
Two speed power up and down.

Maximum Single Line Pull:	13,800 lb. (6260kg)
Maximum Single Line Speed:	320 fpm (97.5m/min)
Maximum Permissible Single Line Pull:	11,000 lb (4990kg) (5/8" [16.0mm] XIPS)
Rope Length (Std):	375 ft. (114.3m)

*Denotes optional equipment

specifications

Carrier

Frame
High strength alloy steel constructed with integral outrigger housings; front and rear tie-down lugs. 60 ft.² carrydeck size with 30,000 lb (13 608kg) deck only carrying capacity & 20,000 lb (9 072kg) combined with boom load. Deck coated with anti-skid treatment.

Outriggers
2- stage hydraulic telescoping beam with vertical jack at the four corners provides extended and down and retracted and down lifting capacities. Integral holding valves on both beam and jack.

Outrigger Controls
Three switch operation mounted on dash panel. One 3- position rocker switch to select all beams / jacks, left beams / jacks only, or right beams / jacks only. Separate 4- way toggle switch to activate beams out / in and jacks down / up. Level bubble indicator located inside operators compartment.

Outrigger pad size: 11.5 in. x 11.5 in. (29.2cmx29.2cm)

*Independent outrigger controls available as an option.

Std. Engine
Cummins QSB 4.5L turbo-charged diesel rated @ 130 bhp (97kW) @ 2500 rpm with engine block heater.

Operators Control Station
Frame mounted, open air style control station with cab shell includes all crane functions, driving controls, and overhead safety glass. Other standard equipment includes a durable weather resistant seat with seat belt, hourmeter, sight level bubble, and fire extinguisher. The dash panel includes engine oil pressure gauge, engine water temperature gauge, fuel gauge, transmission low oil and high temperature warning lights, low battery warning light, and brake system low pressure warning light. The LSI (load indicator) receiver is mounted to the top of the dash.

*Operators Control Station Enclosed
Includes the standard cab shell with the addition of front, right and rear glass. Hinged full door with sliding glass.

Front windshield wiper, heater and defroster are included.

Fuel Tank Capacity
50 gallon (189 L) all steel construction with steel side plate to guard against side impact. Fuel gauge located on dash panel in operators station.

Electrical System
One 12V maintenance free battery, 820CCA @ 0°.
63 amp alternator.

Drive
4 x 4 – Front and rear axle drive with planetary hubs and limited slip differential.

Steer
Standard: 3-steering modes:
Front 2-wheel, 4-wheel coordinated, and crab steer w/ electronic self alignment. Rotary switch select on dash panel.

Transmission
Clark powershift 4-speeds forward and reverse. Stalk mounted shifter on left side of steering column.

Tires
17.5 x 25 Bias (std.)

*17.5 R 25 radial

Brakes
Hydraulic actuated internal wet-disc service brakes acting on all four wheels. A dash mounted toggle switch activates the dry disc parking brake on the transmission output yoke with a dash warning light.

Suspension
Front: Rigid mounted to frame.
Rear: Provides 3.5° oscillation for use on semi-rough terrain. Axle lock-out switch, on dash panel, to engage / disengage the axle lock-out. Axle lock-out must be engaged (locked) whenever picking on rubber and when traveling in the crab steer mode. A warning light indicates when the axle lock-outs are engaged.

Lights
Recessed mounted, includes head, tail, rear work, stop, and turn signals.

Maximum Speed
19.5 MPH (31.3km/h)

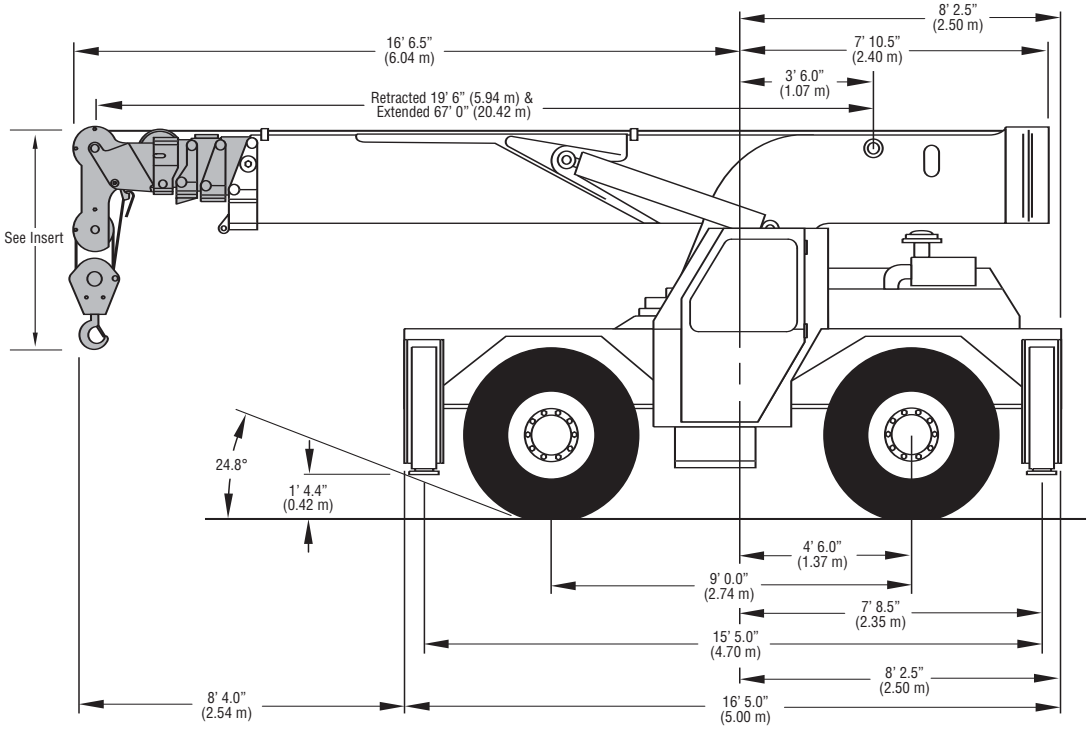
Gradeability**
63%....no load
38%....30,000lb (13 608kg) load

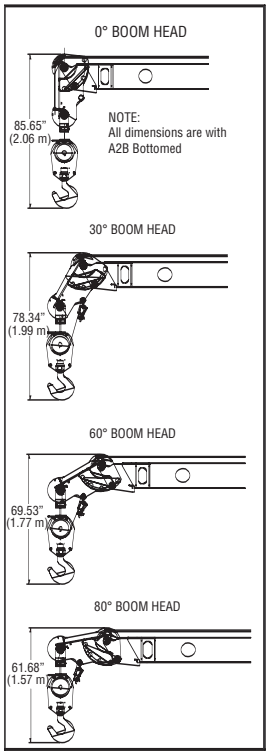
G.V.W.
YB7722: 41,270 lb. (18 720kg)
YB7722XL: 43,000 lb (19 504kg)

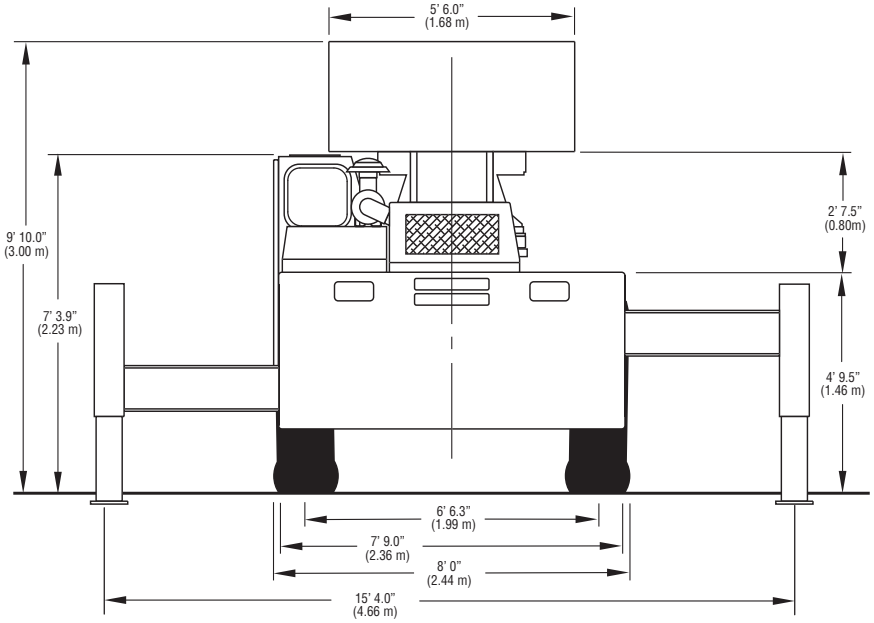
Miscellaneous Standard Equipment
Two sheaves, “Quick Reeve” style 22T (19.9mt) hookblock
Back-up alarm
Dual rearview mirrors
Outrigger motion alarm
Lifting and tie down lugs

*Denotes optional equipment
**Theoretical

dimensions


8' 2.5"
(2.50 m)
16' 6.5"
(6.04 m)
7' 10.5"
(2.40 m)
3' 6.0"
(1.07 m)
Retracted 19' 6" (5.94 m) &
Extended 67' 0" (20.42 m)
See Insert
24.8°
1' 4.4"
(0.42 m)
4' 6.0"
(1.37 m)
9' 0.0"
(2.74 m)
7' 8.5"
(2.35 m)
15' 5.0"
(4.70 m)
8' 2.5"
(2.50 m)
8' 4.0"
(2.54 m)
16' 5.0"
(5.00 m)


0° BOOM HEAD
85.65"
(2.06 m)
NOTE:
All dimensions are with
A2B Bottomed
30° BOOM HEAD
78.34"
(1.99 m)
60° BOOM HEAD
69.53"
(1.77 m)
80° BOOM HEAD
61.68"
(1.57 m)


5' 6.0"
(1.68 m)
9' 10.0"
(3.00 m)
7' 3.9"
(2.23 m)
2' 7.5"
(0.80m)
4' 9.5"
(1.46 m)
6' 6.3"
(1.99 m)
7' 9.0"
(2.36 m)
8' 0"
(2.44 m)
15' 4.0"
(4.66 m)