



Jib Capacities

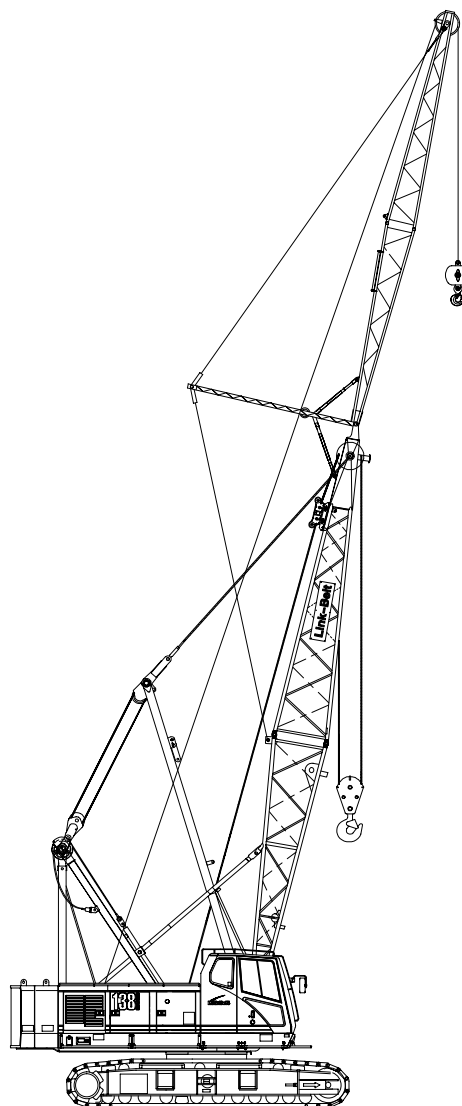
Lattice Boom Crawler Crane

138 HYLAB 5

80-ton (72.6 metric ton)

Angle Boom + Jib

- 40'–140' (12.19 – 42.7m) Angle Boom with 30' – 60' (9.14 – 18.28m) of Jib
- 40' – 150' (12.19 – 45.72m) Angle Boom with 30' (9.14m) of Jib
- 20' (6.10m) Open Throat Top Section with 32" (0.81m) Wide x 24" (0.61m) Deep Jib
- With or Without 24' (7.31m) Live Mast
- Extended / Retracted Side Frames
- Over End Blocked Capacities
- 360° Capacities
- "AB" Counterweight Options
- 20' 2" (6.15m) Crawler Length

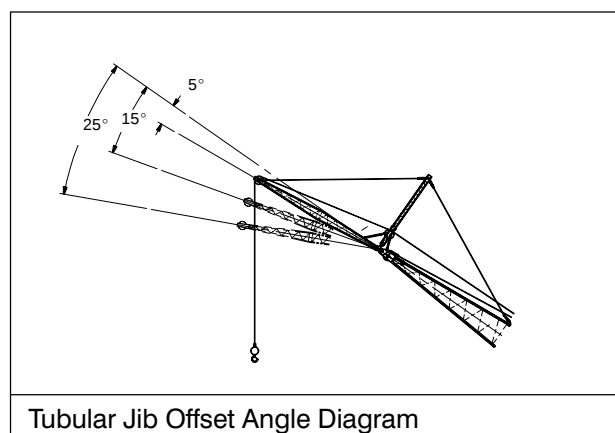
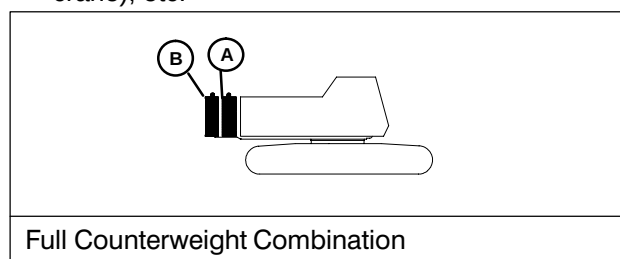


CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable crane lifting capacities and operating procedures.



TUBULAR JIB NOTES FOR OPEN THROAT BOOM

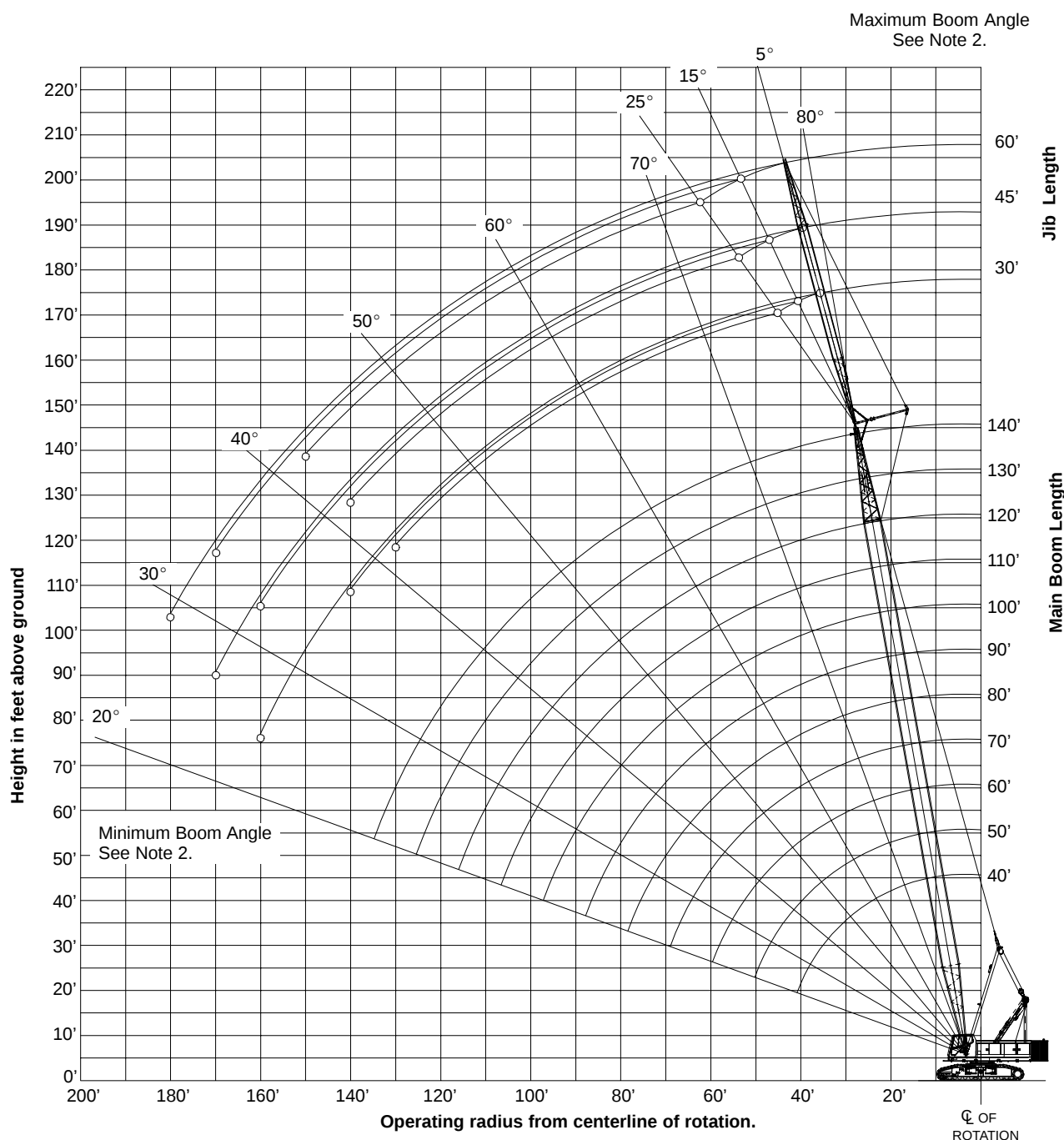
1. Capacities are for a 138 HYLAB crawler crane with AB (50,500 lb) counterweight.
2. Separate capacity charts are listed for 360° and for over end blocked crawler working areas. Verify operating conditions as described on the Working Area Chart found in the general information section of the Crane Rating Manual. Apply the appropriate lift capacity chart based on the working area and the specific operating conditions.
3. Over end blocked capacities can be lifted over either end with the crane standing level on a firm supporting surface. Adequate blocking must be placed under both side frame sprockets (or idler rollers) at the end that the load is to be lifted to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
4. Capacities are for side frames in the extended position only and are based on the crane standing level on a firm supporting surface.
5. Capacities are limited to a LBCE 48" x 48" angle boom with an open throat and a LBCE 12 ton, 24" x 32" cross section jib with a 11'6" high jib mast properly assembled.
6. Two parts of 7/8" Diameter Type "DB" or Type "RB" wire rope are required for maximum lift.
7. Capacities are for 30', 45', and 60' jib lengths only.
8. Maximum boom plus jib combination is 140' + 60' or 150' + 30'. The only jib length available on the 150' open throat boom length is 30'.
9. The least stable condition is over the side.
10. All capacities are listed in pounds and are not more than 75% of the tipping loads. Those capacities followed by an asterisk (*) are governed by factors other than those that would cause a tipping condition.
11. A deduction must be made from the jib capacities for the weight of the following: Main boom hook block or hook ball, jib hook block or hook ball, slings, grapple, load weighing devices (other than those supplied with the crane), etc.





WORKING RANGE DIAGRAM

40' TO 140' MAIN BOOM WITH 30' TO 60' JIB



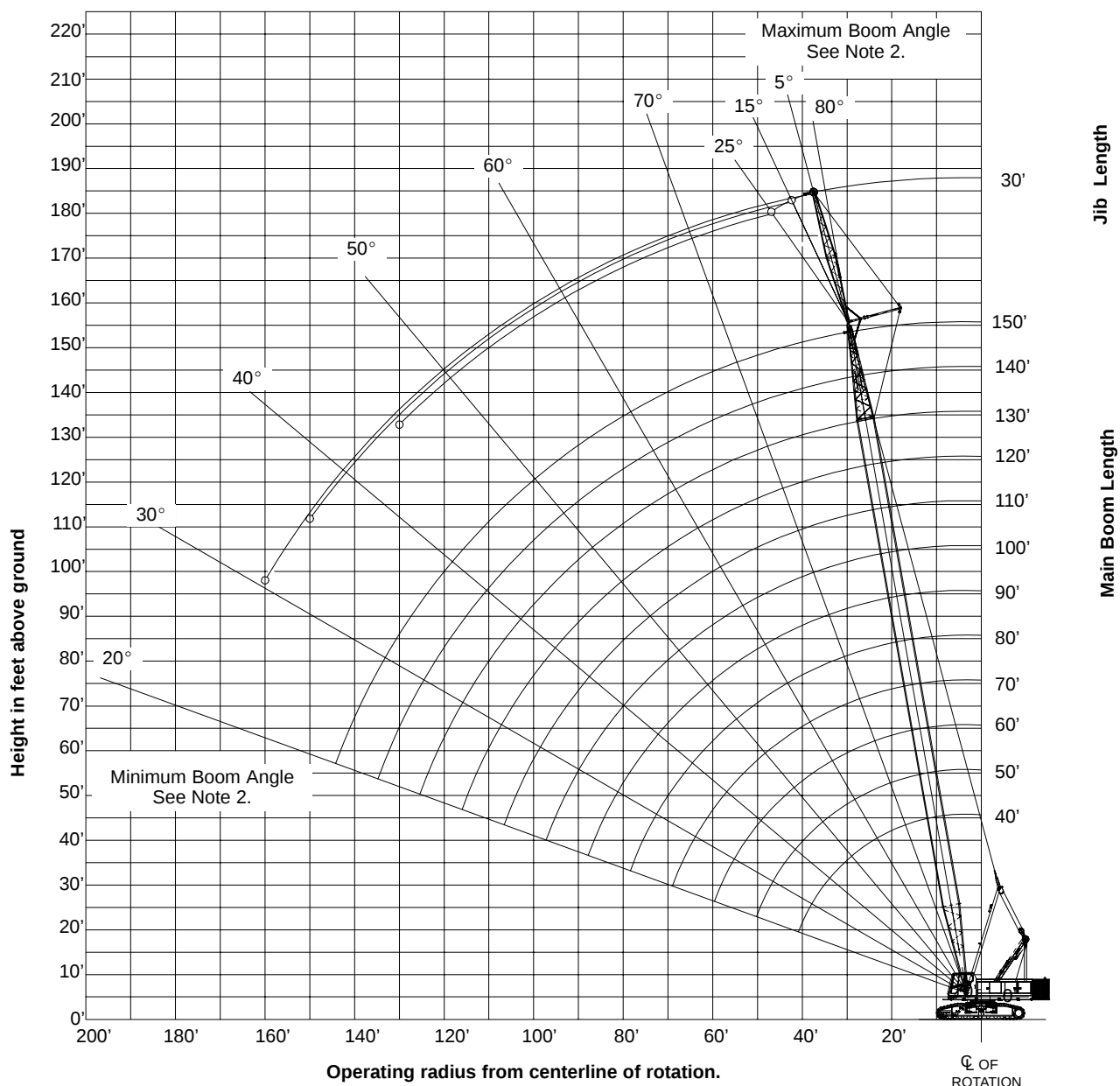
Notes:

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.



WORKING RANGE DIAGRAM

40' TO 150' MAIN BOOM WITH 30' JIB



Notes:

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

**138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt**

Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)			
40	30	18.4	80.0	76.0	24,000 *	24,000 *										18.4	
40	30	19	79.4	75.9	24,000 *	24,000 *										19	
40	30	20	78.6	75.6	24,000 *	24,000 *										20	
40	30	25	74.5	74.2	24,000 *	24,000 *	78.5	73.8	24,000 *	24,000 *						25	
40	30	30	70.2	72.4	24,000 *	24,000 *	74.2	72.0	24,000 *	24,000 *	78.0	70.8	19,700 *	19,700 *		30	
40	30	35	65.9	70.2	24,000 *	24,000 *	69.8	69.8	23,600 *	23,600 *	73.5	68.5	17,700 *	17,700 *		35	
40	30	40	61.3	67.5	24,000 *	24,000 *	65.2	67.1	21,000 *	21,000 *	68.9	65.7	16,900 *	16,900 *		40	
40	30	50	51.5	60.3	20,900 *	20,900 *	55.3	59.8	17,300 *	17,300 *	58.7	58.3	14,700 *	14,700 *		50	
40	30	60	39.9	49.8	17,300 *	17,300 *	43.5	49.2	16,200 *	16,200 *	46.5	47.2	13,200 *	13,200 *		60	
40	45	22.2	80.0	90.2	24,000 *	24,000 *										22.2	
40	45	25	78.1	89.5	24,000 *	24,000 *										25	
40	45	30	74.7	88.0	24,000 *	24,000 *	79.7	87.4	19,200 *	19,200 *						30	
40	45	35	71.2	86.2	21,700 *	21,700 *	76.2	85.6	17,300 *	17,300 *						35	
40	45	40	67.6	84.0	19,000 *	19,000 *	72.5	83.4	16,600 *	16,600 *	77.3	81.7	12,500 *	12,500 *		40	
40	45	50	60.0	78.3	16,600 *	16,600 *	64.9	77.8	13,500 *	13,500 *	69.5	75.9	10,500 *	10,500 *		50	
40	45	60	51.8	70.8	13,700 *	13,700 *	56.6	70.2	11,400 *	11,400 *	61.0	68.1	9,200 *	9,200 *		60	
40	45	70	42.3	60.5	11,600 *	11,600 *	47.0	59.8	10,000 *	10,000 *	51.1	57.3	8,200 *	8,200 *		70	
40	45	80	30.4	45.4	10,100 *	10,100 *										80	
40	60	26.1	80.0	104.8	24,000 *	24,000 *										26.1	
40	60	30	77.7	103.8	21,200 *	21,200 *										30	
40	60	35	74.8	102.2	18,200 *	18,200 *										35	
40	60	40	71.8	100.4	17,300 *	17,300 *	77.5	99.8	13,700 *	13,700 *						40	
40	60	50	65.6	95.9	13,700 *	13,700 *	71.3	95.3	11,100 *	11,100 *	76.8	93.3	8,500 *	8,500 *		50	
40	60	60	59.1	89.9	11,300 *	11,300 *	64.7	89.3	9,300 *	9,300 *	70.0	87.1	7,300 *	7,300 *		60	
40	60	70	52.0	82.1	9,500 *	9,500 *	57.5	81.5	8,000 *	8,000 *	62.7	79.2	6,400 *	6,400 *		70	
40	60	80	44.0	72.1	8,200 *	8,200 *	49.4	71.4	7,100 *	7,100 *	54.3	68.7	5,800 *	5,800 *		80	
40	60	90	34.5	58.4	7,300 *	7,300 *	39.7	57.5	6,300 *	6,300 *						90	

**138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt**

Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)			
50	30	20.1	80.0	85.9	24,000 *	24,000 *										20.1	
50	30	25	76.4	84.7	24,000 *	24,000 *										25	
50	30	30	72.8	83.1	24,000 *	24,000 *	76.3	82.6	24,000 *	24,000 *	79.6	81.3	20,500 *	20,500 *		30	
50	30	35	69.0	81.2	24,000 *	24,000 *	72.5	80.7	24,000 *	24,000 *	75.8	79.4	18,600 *	18,600 *		35	
50	30	40	65.2	78.9	24,000 *	24,000 *	68.6	78.4	22,800 *	22,800 *	71.8	77.0	17,400 *	17,400 *		40	
50	30	50	57.0	72.9	23,600 *	23,600 *	60.4	72.4	18,900 *	18,900 *	63.4	70.9	15,600 *	15,600 *		50	
50	30	60	47.9	64.7	19,500 *	19,500 *	51.2	64.2	17,400 *	17,400 *	54.0	62.4	14,000 *	14,000 *		60	
50	30	70	37.2	53.1	17,400 *	16,700	40.2	52.4	15,600 *	15,700 *						70	
50	45	24.0	80.0	100.1	24,000 *	24,000 *										24.0	
50	45	25	79.4	99.8	24,000 *	24,000 *										25	
50	45	30	76.3	98.5	24,000 *	24,000 *										30	
50	45	35	73.2	96.8	23,500 *	23,500 *	77.7	96.2	17,700 *	17,700 *						35	
50	45	40	70.0	94.9	20,700 *	20,700 *	74.5	94.2	17,300 *	17,300 *	78.8	92.4	13,000 *	13,000 *		40	
50	45	50	63.5	90.0	17,300 *	17,300 *	67.9	89.4	14,500 *	14,500 *	72.0	87.4	11,100 *	11,100 *		50	
50	45	60	56.4	83.6	15,100 *	15,100 *	60.8	82.9	12,400 *	12,400 *	64.8	80.8	9,700 *	9,700 *		60	
50	45	70	48.7	75.2	12,900 *	12,900 *	53.0	74.4	10,800 *	10,800 *	56.7	72.0	8,700 *	8,700 *		70	
50	45	80	39.9	64.0	11,200 *	11,200 *	43.9	63.1	9,600 *	9,600 *	47.4	60.3	7,900 *	7,900 *		80	
50	45	90	28.7	47.8	10,000 *	10,000 *										90	
50	60	27.9	80.0	114.6	24,000 *	24,000 *										27.9	
50	60	30	78.8	114.1	22,600 *	22,600 *										30	
50	60	35	76.2	112.7	19,500 *	19,500 *										35	
50	60	40	73.5	111.1	17,300 *	17,300 *	78.7	110.4	14,400 *	14,400 *						40	
50	60	50	68.0	107.0	14,900 *	14,900 *	73.1	106.3	11,800 *	11,800 *	78.1	104.2	8,800 *	8,800 *		50	
50	60	60	62.2	101.7	12,300 *	12,300 *	67.3	101.0	9,900 *	9,900 *	72.1	98.7	7,600 *	7,600 *		60	
50	60	70	56.0	95.0	10,400 *	10,400 *	61.1	94.3	8,600 *	8,600 *	65.8	91.8	6,700 *	6,700 *		70	
50	60	80	49.3	86.5	9,000 *	9,000 *	54.3	85.8	7,600 *	7,600 *	58.8	83.0	6,100 *	6,100 *		80	
50	60	90	41.8	75.7	7,900 *	7,900 *	46.6	74.8	6,800 *	6,800 *	50.9	71.6	5,500 *	5,500 *		90	
50	60	100	32.7	61.1	7,100 *	7,100 *	37.3	59.9	6,200 *	6,200 *						100	

**138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt**

Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)	
			5 Degrees					15 Degrees					25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)		360° Jib Capacity (lbs)
60	30	21.8	80.0	95.7	24,000 *	24,000 *											21.8	
60	30	25	77.9	95.0	24,000 *	24,000 *											25	
60	30	30	74.7	93.6	24,000 *	24,000 *	77.8	93.1	24,000 *	24,000 *							30	
60	30	35	71.4	91.9	24,000 *	24,000 *	74.5	91.4	24,000 *	24,000 *	77.5	90.0	19,400 *	19,400 *			35	
60	30	40	68.1	89.9	24,000 *	24,000 *	71.1	89.4	24,000 *	24,000 *	74.0	88.0	17,900 *	17,900 *			40	
60	30	50	61.0	84.8	24,000 *	24,000 *	64.1	84.3	20,400 *	20,400 *	66.8	82.7	16,300 *	16,300 *			50	
60	30	60	53.5	78.0	21,700 *	20,100	56.4	77.4	17,600 *	17,600 *	59.0	75.7	14,700 *	14,700 *			60	
60	30	70	45.0	68.8	18,600 *	16,400	47.8	68.2	17,100 *	16,600	50.2	66.2	13,500 *	13,500 *			70	
60	30	80	34.9	56.2	16,000 *	13,700	37.6	55.3	15,300 *	13,800							80	
60	45	25.7	80.0	109.9	24,000 *	24,000 *											25.7	
60	45	30	77.6	108.9	24,000 *	24,000 *											30	
60	45	35	74.8	107.4	24,000 *	24,000 *	78.9	106.7	18,500 *	18,500 *							35	
60	45	40	72.0	105.7	22,400 *	22,400 *	76.0	104.9	17,300 *	17,300 *	79.9	103.0	13,300 *	13,300 *			40	
60	45	50	66.2	101.3	18,000 *	18,000 *	70.2	100.6	15,400 *	15,400 *	73.9	98.5	11,500 *	11,500 *			50	
60	45	60	60.0	95.7	16,600 *	16,600 *	63.9	94.9	13,200 *	13,200 *	67.6	92.8	10,100 *	10,100 *			60	
60	45	70	53.4	88.5	14,100 *	14,100 *	57.3	87.7	11,600 *	11,600 *	60.8	85.3	9,100 *	9,100 *			70	
60	45	80	46.2	79.3	12,300 *	12,300 *	49.9	78.4	10,300 *	10,300 *	53.2	75.8	8,300 *	8,300 *			80	
60	45	90	37.8	67.2	10,900 *	10,900 *	41.4	66.2	9,400 *	9,400 *							90	
60	45	100	27.2	50.1	9,900 *	9,900 *											100	
60	60	29.6	80.0	124.5	24,000 *	24,000 *											29.6	
60	60	30	79.8	124.4	23,900 *	23,900 *											30	
60	60	35	77.4	123.1	20,700 *	20,700 *											35	
60	60	40	74.9	121.6	18,200 *	18,200 *	79.7	120.8	14,900 *	14,900 *							40	
60	60	50	69.9	117.9	16,100 *	16,100 *	74.6	117.1	12,300 *	12,300 *	79.2	114.9	9,100 *	9,100 *			50	
60	60	60	64.7	113.2	13,300 *	13,300 *	69.4	112.4	10,500 *	10,500 *	73.8	110.0	7,900 *	7,900 *			60	
60	60	70	59.2	107.2	11,300 *	11,300 *	63.9	106.4	9,100 *	9,100 *	68.2	103.9	7,000 *	7,000 *			70	
60	60	80	53.4	99.8	9,800 *	9,800 *	58.0	99.0	8,100 *	8,100 *	62.2	96.2	6,300 *	6,300 *			80	
60	60	90	47.0	90.7	8,600 *	8,600 *	51.5	89.8	7,200 *	7,200 *	55.5	86.7	5,800 *	5,800 *			90	
60	60	100	39.9	79.1	7,700 *	7,700 *	44.2	78.1	6,600 *	6,600 *	47.9	74.5	5,400 *	5,400 *			100	
60	60	110	31.2	63.7	7,000 *	7,000 *	35.3	62.3	6,100 *	6,100 *							110	



138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw																		
Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.																		
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)	
			5 Degrees					15 Degrees					25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)		360° Jib Capacity (lbs)
70	30	23.6	80.0	105.6	24,000 *	24,000 *											23.6	
70	30	25	79.2	105.2	24,000 *	24,000 *											25	
70	30	30	76.3	104.0	24,000 *	24,000 *	79.1	103.5	24,000 *	24,000 *							30	
70	30	35	73.3	102.5	24,000 *	24,000 *	76.1	102.0	24,000 *	24,000 *	78.8	100.5	20,000 *	20,000 *			35	
70	30	40	70.3	100.7	24,000 *	24,000 *	73.1	100.2	24,000 *	24,000 *	75.7	98.7	18,500 *	18,500 *			40	
70	30	50	64.1	96.2	24,000 *	24,000 *	66.9	95.7	21,800 *	21,800 *	69.4	94.1	17,000 *	17,000 *			50	
70	30	60	57.6	90.3	23,000 *	19,900	60.3	89.7	18,800 *	18,800 *	62.7	88.0	15,400 *	15,400 *			60	
70	30	70	50.5	82.7	19,000	16,200	53.1	82.0	17,300 *	16,400	55.4	80.2	14,200 *	14,200 *			70	
70	30	80	42.6	72.7	15,900	13,400	45.1	72.0	16,000	13,600	47.1	69.8	13,200 *	13,200 *			80	
70	30	90	33.0	59.1	13,100 *	11,300	35.4	58.1	13,500	11,400							90	
70	45	27.5	80.0	119.8	24,000 *	24,000 *											27.5	
70	45	30	78.7	119.2	24,000 *	24,000 *											30	
70	45	35	76.2	117.8	24,000 *	24,000 *	79.9	117.0	19,200 *	19,200 *							35	
70	45	40	73.6	116.3	23,900 *	23,900 *	77.3	115.5	17,400 *	17,400 *							40	
70	45	50	68.3	112.3	19,400 *	19,400 *	72.0	111.6	16,300 *	16,300 *	75.4	109.5	11,900 *	11,900 *			50	
70	45	60	62.9	107.3	17,300 *	17,300 *	66.5	106.5	14,000 *	14,000 *	69.8	104.3	10,600 *	10,600 *			60	
70	45	70	57.1	101.0	15,300 *	15,400 *	60.6	100.2	12,300 *	12,300 *	63.8	97.8	9,500 *	9,500 *			70	
70	45	80	50.8	93.1	13,400 *	13,400 *	54.3	92.2	11,000 *	11,000 *	57.4	89.7	8,700 *	8,700 *			80	
70	45	90	44.0	83.2	11,900 *	11,600	47.3	82.2	10,000 *	10,000 *	50.2	79.3	8,100 *	8,100 *			90	
70	45	100	36.0	70.3	10,700 *	9,900	39.2	69.2	9,200 *	9,200 *							100	
70	60	31.3	80.0	134.3	24,000 *	24,000 *											31.3	
70	60	35	78.3	133.5	21,800 *	21,800 *											35	
70	60	40	76.1	132.1	19,300 *	19,300 *											40	
70	60	50	71.5	128.7	17,200 *	17,200 *	75.9	127.8	12,900 *	12,900 *							50	
70	60	60	66.8	124.4	14,300 *	14,300 *	71.1	123.5	11,000 *	11,000 *	75.2	121.0	8,200 *	8,200 *			60	
70	60	70	61.8	119.0	12,100 *	12,100 *	66.1	118.1	9,600 *	9,600 *	70.1	115.5	7,300 *	7,300 *			70	
70	60	80	56.7	112.4	10,500 *	10,600 *	60.9	111.6	8,500 *	8,500 *	64.8	108.7	6,600 *	6,600 *			80	
70	60	90	51.1	104.5	9,300 *	9,300 *	55.3	103.5	7,700 *	7,700 *	59.0	100.5	6,100 *	6,100 *			90	
70	60	100	45.0	94.7	8,300 *	8,300 *	49.1	93.6	7,000 *	7,000 *	52.7	90.3	5,600 *	5,600 *			100	
70	60	110	38.2	82.4	7,500 *	7,500 *	42.1	81.2	6,400 *	6,400 *							110	
70	60	120	29.9	66.2	6,900 *	6,900 *											120	

**138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt**

Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)			
80	30	25.3	80.0	115.4	24,000 *	24,000 *											25.3
80	30	30	77.5	114.3	24,000 *	24,000 *			0								30
80	30	35	74.9	113.0	24,000 *	24,000 *	77.4	112.4	24,000 *	24,000 *	79.8	110.9	20,600 *	20,600 *			35
80	30	40	72.2	111.4	24,000 *	24,000 *	74.7	110.8	24,000 *	24,000 *	77.1	109.3	19,100 *	19,100 *			40
80	30	50	66.6	107.4	24,000 *	24,000 *	69.1	106.8	23,100 *	23,100 *	71.4	105.2	17,300 *	17,300 *			50
80	30	60	60.8	102.1	23,200	19,600	63.3	101.5	20,000 *	19,900	65.5	99.8	16,000 *	16,000 *			60
80	30	70	54.7	95.5	18,800	15,900	57.1	94.9	17,700 *	16,200	59.2	93.0	14,700 *	14,700 *			70
80	30	80	48.0	87.1	15,600	13,200	50.3	86.4	15,800	13,300	52.3	84.4	13,700 *	13,500			80
80	30	90	40.5	76.3	13,200	11,100	42.7	75.5	13,300	11,200							90
80	30	100	31.4	61.8	10,700 *	9,400											100
80	45	29.2	80.0	129.6	24,000 *	24,000 *											29.2
80	45	30	79.6	129.4	24,000 *	24,000 *											30
80	45	35	77.3	128.2	24,000 *	24,000 *											35
80	45	40	74.9	126.8	24,000 *	24,000 *	78.3	125.9	18,100 *	18,100 *							40
80	45	50	70.1	123.2	20,700 *	20,700 *	73.5	122.4	17,100 *	17,100 *	76.7	120.2	12,200 *	12,200 *			50
80	45	60	65.2	118.6	17,400 *	17,400 *	68.5	117.8	14,700 *	14,700 *	71.6	115.6	10,900 *	10,900 *			60
80	45	70	60.0	113.0	16,500 *	16,200	63.3	112.1	13,000 *	13,000 *	66.3	109.8	9,900 *	9,900 *			70
80	45	80	54.5	106.0	14,400 *	13,400	57.8	105.2	11,600 *	11,600 *	60.6	102.6	9,100 *	9,100 *			80
80	45	90	48.6	97.5	12,800 *	11,300	51.8	96.6	10,600 *	10,600 *	54.5	93.8	8,400 *	8,400 *			90
80	45	100	42.0	86.9	11,500 *	9,700	45.1	85.8	9,700 *	9,700 *	47.6	82.7	7,900 *	7,900 *			100
80	45	110	34.4	73.3	9,800 *	8,300	37.3	72.0	9,000 *	8,400							110
80	60	33.1	80.0	144.2	23,700 *	23,700 *											33.1
80	60	35	79.2	143.7	22,800 *	22,800 *											35
80	60	40	77.1	142.5	20,300 *	20,300 *											40
80	60	50	72.9	139.3	17,300 *	17,300 *	76.9	138.4	13,400 *	13,400 *							50
80	60	60	68.5	135.4	15,200 *	15,200 *	72.6	134.5	11,500 *	11,500 *	76.4	131.9	8,400 *	8,400 *			60
80	60	70	64.0	130.5	13,000 *	13,000 *	68.0	129.6	10,100 *	10,100 *	71.8	126.8	7,500 *	7,500 *			70
80	60	80	59.3	124.5	11,300 *	11,300 *	63.3	123.6	9,000 *	9,000 *	66.9	120.7	6,800 *	6,900 *			80
80	60	90	54.4	117.4	10,000 *	10,000 *	58.3	116.5	8,100 *	8,100 *	61.8	113.4	6,300 *	6,300 *			90
80	60	100	49.1	108.9	8,900 *	8,900 *	52.9	107.8	7,400 *	7,400 *	56.3	104.5	5,800 *	5,800 *			100

**138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cwt**

Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)			
80	60	110	43.3	98.5	8,100 *	8,100 *	47.0	97.3	6,800 *	6,800 *	50.2	93.6	5,500 *	5,500 *	110		
80	60	120	36.7	85.6	7,400 *	7,400 *	40.3	84.2	6,300 *	6,300 *					120		
80	60	130	28.7	68.6	6,800 *	6,400									130		
90	30	27.0	80.0	125.3	24,000 *	24,000 *									27.0		
90	30	30	78.6	124.6	24,000 *	24,000 *									30		
90	30	35	76.1	123.4	24,000 *	24,000 *	78.5	122.8	24,000 *	24,000 *					35		
90	30	40	73.7	121.9	24,000 *	24,000 *	76.0	121.3	24,000 *	24,000 *	78.2	119.8	19,700 *	19,700 *	40		
90	30	50	68.7	118.3	24,000 *	24,000 *	71.0	117.7	23,900 *	23,800 *	73.1	116.1	17,400 *	17,400 *	50		
90	30	60	63.5	113.6	23,000	19,400	65.7	113.0	21,100 *	19,700	67.8	111.3	16,500 *	16,500 *	60		
90	30	70	58.0	107.7	18,500	15,700	60.2	107.1	18,700	15,900	62.2	105.3	15,300 *	15,300 *	70		
90	30	80	52.2	100.4	15,400	12,900	54.4	99.7	15,600	13,100	56.2	97.8	14,200 *	13,300	80		
90	30	90	45.8	91.3	12,900	10,800	47.9	90.6	13,100	11,000	49.7	88.4	13,200	11,100	90		
90	30	100	38.6	79.8	11,000	9,200	40.7	78.9	11,100	9,300					100		
90	30	110	30.0	64.5	8,700 *	7,800									110		
90	45	30.9	80.0	139.5	24,000 *	24,000 *									30.9		
90	45	35	78.2	138.5	24,000 *	24,000 *									35		
90	45	40	76.1	137.2	24,000 *	24,000 *	79.2	136.3	18,700 *	18,700 *					40		
90	45	50	71.7	133.9	21,000 *	21,000 *	74.8	133.1	17,300 *	17,300 *	77.8	130.8	12,600 *	12,600 *	50		
90	45	60	67.1	129.8	18,300 *	18,300 *	70.2	128.9	15,400 *	15,400 *	73.1	126.6	11,300 *	11,300 *	60		
90	45	70	62.4	124.6	16,800 *	16,000	65.5	123.7	13,600 *	13,600 *	68.3	121.3	10,200 *	10,200 *	70		
90	45	80	57.5	118.4	15,000 *	13,200	60.5	117.5	12,200 *	12,200 *	63.2	114.9	9,400 *	9,400 *	80		
90	45	90	52.3	110.8	13,200	11,100	55.2	109.9	11,100 *	11,100 *	57.8	107.2	8,700 *	8,700 *	90		
90	45	100	46.6	101.7	11,300	9,400	49.5	100.7	10,200 *	9,600	52.0	97.7	8,200 *	8,200 *	100		
90	45	110	40.3	90.5	9,700	8,000	43.1	89.3	9,500 *	8,200					110		
90	45	120	33.0	76.2	8,000 *	6,900									120		
90	60	34.8	80.0	154.0	22,800 *	22,800 *									34.8		
90	60	35	79.9	154.0	22,700 *	22,700 *									35		
90	60	40	78.0	152.8	20,800 *	20,800 *									40		
90	60	50	74.0	149.9	17,400 *	17,400 *	77.8	148.9	13,800 *	13,800 *					50		
90	60	60	70.0	146.2	16,100 *	16,000 *	73.8	145.3	11,900 *	12,000 *	77.4	142.6	8,600 *	8,600 *	60		



138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwt																					
Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.																					
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)				
			5 Degrees					15 Degrees					25 Degrees								
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)		360° Jib Capacity (lbs)			
90	60	70	65.9	141.7	13,800	*	13,800	*	69.6	140.7	10,500	*	10,500	*	73.1	138.0	7,700	*	7,700	*	70
90	60	80	61.6	136.3	12,000	*	12,000	*	65.3	135.3	9,400	*	9,400	*	68.7	132.4	7,100	*	7,100	*	80
90	60	90	57.1	129.9	10,600	*	10,600	*	60.8	128.8	8,500	*	8,500	*	64.1	125.8	6,500	*	6,500	*	90
90	60	100	52.4	122.2	9,500	*	9,500	*	56.0	121.1	7,700	*	7,700	*	59.2	117.9	6,000	*	6,000	*	100
90	60	110	47.3	113.1	8,600	*	8,200		50.8	112.0	7,100	*	7,100	*	53.9	108.4	5,700	*	5,700	*	110
90	60	120	41.7	102.2	7,900	*	7,100		45.1	100.9	6,600	*	6,600	*	48.0	96.9	5,400	*	5,400	*	120
90	60	130	35.3	88.6	7,300	*	6,200		38.6	87.1	6,200	*	6,200	*							130
90	60	140	27.7	70.9	5,600	*	5,400														140
100	30	28.8	80.0	135.1	24,000	*	24,000	*													28.8
100	30	30	79.4	134.8	24,000	*	24,000	*													30
100	30	35	77.2	133.7	24,000	*	24,000	*	79.4	133.1	24,000	*	24,000	*							35
100	30	40	75.0	132.4	24,000	*	24,000	*	77.1	131.8	24,000	*	24,000	*	79.2	130.2	20,100	*	20,100	*	40
100	30	50	70.4	129.0	24,000	*	24,000	*	72.5	128.4	23,800	*	23,800	*	74.5	126.8	17,900	*	17,900	*	50
100	30	60	65.6	124.8	22,700		19,100		67.8	124.1	21,100	*	19,500		69.7	122.5	17,000	*	17,000	*	60
100	30	70	60.7	119.4	18,200		15,400		62.8	118.8	18,500		15,700		64.6	117.0	15,800	*	15,800	*	70
100	30	80	55.5	112.9	15,100		12,700		57.6	112.3	15,300		12,900		59.3	110.4	14,700	*	13,100		80
100	30	90	50.0	105.0	12,700		10,500		52.0	104.3	12,800		10,700		53.6	102.3	13,000		10,900		90
100	30	100	43.9	95.3	10,700		8,900		45.8	94.5	10,900		9,000		47.4	92.2	11,000		9,100		100
100	30	110	37.1	83.1	9,200	*	7,500		38.9	82.2	9,300		7,600								110
100	30	120	28.8	67.0	7,000	*	6,400														120
100	45	32.7	80.0	149.3	24,000	*	24,000	*													32.7
100	45	35	79.0	148.8	24,000	*	24,000	*													35
100	45	40	77.0	147.6	24,000	*	24,000	*													40
100	45	50	73.0	144.5	21,100	*	21,100	*	75.9	143.6	17,300	*	17,300	*	78.7	141.4	12,800	*	12,800	*	50
100	45	60	68.8	140.7	18,300	*	18,400	*	71.7	139.8	16,100	*	16,100	*	74.4	137.5	11,600	*	11,600	*	60
100	45	70	64.5	136.0	16,900	*	15,700		67.3	135.1	14,300	*	14,300	*	70.0	132.7	10,500	*	10,500	*	70
100	45	80	60.0	130.3	15,200	*	12,900		62.8	129.4	12,800	*	12,800	*	65.4	126.8	9,700	*	9,700	*	80
100	45	90	55.3	123.5	12,900		10,800		58.1	122.6	11,700	*	11,100		60.5	119.9	9,000	*	9,000	*	90
100	45	100	50.3	115.4	11,000		9,100		53.0	114.4	10,700	*	9,300		55.4	111.6	8,500	*	8,500	*	100
100	45	110	44.9	105.7	9,400		7,800		47.5	104.6	9,600		8,000		49.7	101.5	8,000	*	8,000	*	110
100	45	120	38.8	93.9	8,200		6,700		41.4	92.6	8,300		6,800								120
100	45	130	31.8	78.9	6,500	*	5,700														130



138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw																					
Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.																					
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)				
			5 Degrees					15 Degrees					25 Degrees								
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)		360° Jib Capacity (lbs)			
100	60	36.5	80.0	163.9	22,000	*	22,000	*									36.5				
100	60	40	78.7	163.1	20,700	*	20,700	*									40				
100	60	50	75.1	160.4	17,800	*	17,800	*	78.6	159.4	14,200	*	14,200	*			50				
100	60	60	71.3	157.0	16,100	*	16,100	*	74.9	155.9	12,400	*	12,400	*	78.2	153.2	8,800	*	8,800	*	60
100	60	70	67.5	152.8	14,300	*	14,200	*	71.0	151.8	10,900	*	10,900	*	74.3	148.9	7,900	*	7,900	*	70
100	60	80	63.5	147.8	12,700	*	12,800	*	67.0	146.8	9,800	*	9,800	*	70.2	143.8	7,300	*	7,300	*	80
100	60	90	59.4	141.9	11,300	*	11,000		62.9	140.8	8,900	*	8,900	*	66.0	137.8	6,700	*	6,700	*	90
100	60	100	55.1	134.9	10,100	*	9,300		58.5	133.9	8,100	*	8,100	*	61.6	130.6	6,200	*	6,200	*	100
100	60	110	50.6	126.8	9,200	*	7,900		53.9	125.6	7,500	*	7,500	*	56.8	122.2	5,800	*	5,800	*	110
100	60	120	45.7	117.2	8,300		6,800		48.9	115.9	6,900	*	6,900	*	51.7	112.2	5,500	*	5,500	*	120
100	60	130	40.3	105.7	7,300		5,900		43.4	104.3	6,500	*	6,100		46.0	100.1	5,300	*	5,300	*	130
100	60	140	34.1	91.5	5,900	*	5,100		37.2	89.9	6,100	*	5,200								140
100	60	150	26.7	73.1	4,400	*	4,400	*													150
110	30	30.5	80.0	144.9	24,000	*	24,000	*													30.5
110	30	35	78.1	144.0	24,000	*	24,000	*													35
110	30	40	76.0	142.7	24,000	*	24,000	*	78.1	142.1	24,000	*	24,000	*							40
110	30	50	71.8	139.7	24,000	*	24,000	*	73.8	139.0	23,700	*	23,700	*	75.7	137.4	18,400	*	18,400	*	50
110	30	60	67.5	135.7	22,500		18,800		69.4	135.1	21,100	*	19,200		71.2	133.4	17,300	*	17,300	*	60
110	30	70	63.0	130.9	18,000		15,200		64.9	130.3	18,300		15,500		66.7	128.5	16,200	*	15,700		70
110	30	80	58.3	125.0	14,900		12,400		60.2	124.4	15,100		12,600		61.9	122.5	15,200	*	12,800		80
110	30	90	53.3	118.0	12,400		10,300		55.2	117.3	12,600		10,500		56.8	115.3	12,800		10,600		90
110	30	100	48.0	109.5	10,500		8,600		49.9	108.7	10,600		8,800		51.4	106.6	10,800		8,900		100
110	30	110	42.2	99.1	8,900		7,300		44.0	98.3	9,100		7,400		45.4	95.9	9,200		7,500		110
110	30	120	35.6	86.3	7,400	*	6,200		37.3	85.3	7,700	*	6,300								120
110	30	130	27.7	69.4	5,500	*	5,200														130



138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwt																		
Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.																		
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)	
			5 Degrees					15 Degrees					25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)		360° Jib Capacity (lbs)
110	45	34.4	80.0	159.2	24,000 *	24,000 *											34.4	
110	45	35	79.8	159.0	24,000 *	24,000 *											35	
110	45	40	77.9	157.9	24,000 *	24,000 *											40	
110	45	50	74.1	155.1	21,100 *	21,100 *	76.8	154.1	17,100 *	17,000 *		79.4	151.8	13,100 *	13,100 *		50	
110	45	60	70.2	151.5	18,400 *	18,400 *	72.9	150.6	16,700 *	16,700 *		75.5	148.2	11,800 *	11,800 *		60	
110	45	70	66.2	147.1	17,000 *	15,400 *	68.9	146.2	14,900 *	14,900 *		71.4	143.8	10,800 *	10,800 *		70	
110	45	80	62.1	141.9	15,100	12,600	64.8	141.0	13,400 *	13,000		67.2	138.4	10,000 *	10,000 *		80	
110	45	90	57.8	135.8	12,700	10,500	60.5	134.8	12,200 *	10,800		62.8	132.1	9,300 *	9,300 *		90	
110	45	100	53.3	128.5	10,700	8,800	55.9	127.5	11,000	9,100		58.1	124.6	8,700 *	8,700 *		100	
110	45	110	48.5	119.9	9,200	7,500	51.0	118.8	9,400	7,700		53.2	115.8	8,300 *	7,900		110	
110	45	120	43.3	109.6	7,900	6,400	45.8	108.4	8,100	6,600		47.7	105.1	7,900 *	6,700		120	
110	45	130	37.5	97.2	6,700 *	5,500	39.8	95.9	7,000 *	5,600							130	
110	45	140	30.7	81.5	5,100 *	4,700											140	
110	60	38.3	80.0	173.7	21,300 *	21,300 *											38.3	
110	60	40	79.4	173.3	20,600 *	20,700 *											40	
110	60	50	76.0	170.8	17,700 *	17,700 *	79.3	169.7	14,600 *	14,600 *							50	
110	60	60	72.5	167.6	16,200 *	16,200 *	75.8	166.5	12,800 *	12,800 *	79.0	163.7	8,900 *	8,900 *			60	
110	60	70	68.9	163.7	14,300 *	14,300 *	72.2	162.6	11,300 *	11,300 *	75.3	159.8	8,100 *	8,100 *			70	
110	60	80	65.2	159.1	12,900 *	12,800 *	68.5	158.0	10,200 *	10,200 *	71.5	155.0	7,400 *	7,500 *			80	
110	60	90	61.4	153.6	11,600 *	10,700	64.7	152.5	9,200 *	9,200 *	67.6	149.4	6,900 *	6,900 *			90	
110	60	100	57.5	147.2	10,600 *	9,000	60.7	146.1	8,400 *	8,400 *	63.6	142.9	6,400 *	6,400 *			100	
110	60	110	53.3	139.8	9,300	7,700	56.5	138.7	7,800 *	7,800 *	59.3	135.3	6,000 *	6,000 *			110	
110	60	120	48.9	131.2	8,100	6,500	52.0	130.0	7,200 *	6,800	54.7	126.3	5,700 *	5,700 *			120	
110	60	130	44.2	121.1	7,000	5,600	47.2	119.8	6,800 *	5,800	49.8	115.8	5,400 *	5,400 *			130	
110	60	140	39.0	109.1	6,000 *	4,800	41.9	107.6	6,300	5,000							140	
110	60	150	33.0	94.4	4,700 *	4,100	35.9	92.6	5,100 *	4,300							150	
110	60	160	25.9	75.3	3,300 *	3,300 *											160	



138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw																	
Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.																	
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)			
120	30	32.3	80.0	154.8	24,000 *	24,000 *										32.3	
120	30	35	78.9	154.2	24,000 *	24,000 *										35	
120	30	40	77.0	153.1	24,000 *	24,000 *	78.9	152.4	24,000 *	24,000 *						40	
120	30	50	73.1	150.2	24,000 *	24,000 *	74.9	149.6	23,700 *	23,700 *	76.7	147.9	18,800 *	18,800 *		50	
120	30	60	69.0	146.6	22,200	18,600	70.9	146.0	21,000 *	19,000	72.6	144.3	17,200 *	17,100 *		60	
120	30	70	64.9	142.1	17,700	14,900	66.7	141.5	18,000	15,200	68.4	139.7	16,600 *	15,500		70	
120	30	80	60.6	136.8	14,600	12,100	62.4	136.1	14,900	12,400	64.0	134.3	15,100	12,600		80	
120	30	90	56.1	130.4	12,100	10,000	57.9	129.7	12,400	10,200	59.4	127.7	12,600	10,400		90	
120	30	100	51.4	122.8	10,200	8,300	53.1	122.0	10,400	8,500	54.6	120.0	10,600	8,700		100	
120	30	110	46.3	113.7	8,700	7,000	48.0	112.9	8,800	7,100	49.3	110.7	8,900	7,300		110	
120	30	120	40.7	102.8	7,400	5,900	42.3	101.9	7,500	6,000						120	
120	30	130	34.4	89.3	5,800 *	5,000	35.9	88.3	6,000 *	5,000						130	
120	30	140	26.7	71.7	4,100 *	4,100 *										140	
120	45	36.1	80.0	169.0	24,000 *	24,000 *										36.1	
120	45	40	78.6	168.2	24,000 *	24,000 *										40	
120	45	50	75.1	165.5	21,100 *	21,100 *	77.7	164.6	17,500 *	17,500 *						50	
120	45	60	71.5	162.2	18,500 *	18,500 *	74.0	161.2	16,700 *	16,700 *	76.4	158.8	12,100 *	12,100 *		60	
120	45	70	67.8	158.1	17,000 *	15,200	70.3	157.2	15,100 *	15,100 *	72.6	154.7	11,100 *	11,100 *		70	
120	45	80	64.0	153.3	14,900	12,400	66.5	152.4	13,700 *	12,800	68.7	149.8	10,300 *	10,300 *		80	
120	45	90	60.0	147.6	12,400	10,200	62.5	146.7	12,600 *	10,600	64.7	144.0	9,600 *	9,600 *		90	
120	45	100	55.9	141.0	10,500	8,600	58.3	140.0	10,700	8,800	60.5	137.2	9,000 *	9,000 *		100	
120	45	110	51.6	133.2	8,900	7,200	53.9	132.2	9,100	7,500	56.0	129.2	8,500 *	7,700		110	
120	45	120	46.9	124.1	7,600	6,100	49.3	123.0	7,800	6,300	51.2	119.8	8,000	6,500		120	
120	45	130	41.9	113.4	6,600 *	5,200	44.2	112.1	6,700	5,300						130	
120	45	140	36.3	100.4	5,200 *	4,400	38.4	99.0	5,600 *	4,500						140	
120	45	150	29.7	84.1	3,900 *	3,700										150	

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138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwt																			
Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.																			
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)		
			5 Degrees					15 Degrees					25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)		360° Jib Capacity (lbs)	
130	45	37.9	80.0	178.9	24,000	*	24,000	*										37.9	
130	45	40	79.3	178.4	24,000	*	24,000	*										40	
130	45	50	75.9	175.9	21,100	*	21,100	*	78.4	174.9	17,800	*	17,800	*				50	
130	45	60	72.6	172.8	18,500	*	18,500	*	75.0	171.8	16,600	*	16,600	*	77.2	169.4	12,300	*	60
130	45	70	69.1	169.0	17,100	*	14,900		71.5	168.0	15,000	*	15,000	*	73.7	165.6	11,300	*	70
130	45	80	65.5	164.5	14,600		12,100		67.9	163.5	13,700	*	12,500		70.1	161.0	10,500	*	80
130	45	90	61.9	159.2	12,100		10,000		64.2	158.2	12,500		10,300		66.3	155.6	9,800	*	90
130	45	100	58.1	153.1	10,200		8,300		60.4	152.1	10,500		8,600		62.4	149.3	9,200	*	100
130	45	110	54.1	146.0	8,600		6,900		56.4	145.0	8,900		7,200		58.4	142.1	8,700	*	110
130	45	120	49.9	137.8	7,300		5,800		52.2	136.7	7,600		6,000		54.1	133.6	7,800		120
130	45	130	45.5	128.2	6,300		4,900		47.6	127.0	6,500		5,100		49.4	123.7	6,600		130
130	45	140	40.6	117.0	5,200	*	4,100		42.7	115.7	5,500	*	4,300						140
130	45	150	35.2	103.5	3,900	*	3,400		37.2	102.0	4,200	*	3,500						150
130	45	160	28.8	86.6	2,700	*	2,700	*											160
130	60	41.8	80.0	193.4	20,000	*	20,000	*											41.8
130	60	50	77.5	191.5	17,700	*	17,700	*											50
130	60	60	74.4	188.7	16,300	*	16,300	*	77.4	187.5	13,500	*	13,500	*					60
130	60	70	71.2	185.2	14,400	*	14,400	*	74.2	184.1	12,000	*	12,000	*	77.0	181.1	8,400	*	70
130	60	80	68.0	181.2	13,000	*	12,300		70.9	180.0	10,900	*	10,900	*	73.7	177.0	7,800	*	80
130	60	90	64.7	176.4	11,700	*	10,100		67.6	175.3	9,900	*	9,900	*	70.3	172.1	7,200	*	90
130	60	100	61.3	170.9	10,400		8,500		64.2	169.8	9,100	*	8,900		66.8	166.5	6,800	*	100
130	60	110	57.7	164.6	8,800		7,100		60.6	163.4	8,400	*	7,500		63.2	160.0	6,400	*	110
130	60	120	54.1	157.4	7,500		6,000		56.9	156.2	7,800	*	6,300		59.4	152.6	6,000	*	120
130	60	130	50.2	149.1	6,400		5,100		53.0	147.8	6,700		5,300		55.4	144.1	5,700	*	130
130	60	140	46.1	139.6	5,500		4,300		48.8	138.3	5,800		4,500		51.1	134.2	5,500	*	140
130	60	150	41.6	128.6	4,500	*	3,600		44.3	127.1	4,900	*	3,800		46.4	122.7	5,100		150
130	60	160	36.7	115.6	3,500	*	3,000		39.3	113.9	3,800	*	3,100						160
130	60	170	31.1	99.8	2,500	*	2,500	*											170



138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwt																					
Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.																					
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)				
			5 Degrees					15 Degrees					25 Degrees								
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)		360° Jib Capacity (lbs)			
140	30	35.7	80.0	174.5	24,000	*	24,000	*									35.7				
140	30	40	78.5	173.6	24,000	*	24,000	*									40				
140	30	50	75.1	171.1	24,000	*	23,700		76.7	170.5	23,300	*	23,300	*	78.3	168.8	19,500	*	19,500	*	50
140	30	60	71.6	167.9	21,700		18,000		73.2	167.3	20,800	*	18,500		74.7	165.6	17,900	*	17,900	*	60
140	30	70	68.0	164.1	17,100		14,400		69.6	163.4	17,500		14,700		71.1	161.7	17,200	*	15,100		70
140	30	80	64.3	159.5	14,100		11,600		65.9	158.8	14,400		11,900		67.4	157.0	14,700		12,200		80
140	30	90	60.5	154.1	11,600		9,400		62.1	153.4	11,900		9,700		63.5	151.5	12,100		9,900		90
140	30	100	56.6	147.8	9,700		7,800		58.2	147.1	9,900		8,000		59.5	145.1	10,100		8,200		100
140	30	110	52.5	140.4	8,100		6,400		54.0	139.7	8,300		6,600		55.3	137.6	8,500		6,800		110
140	30	120	48.1	131.8	6,800		5,300		49.6	131.0	7,000		5,500		50.8	128.8	7,100		5,600		120
140	30	130	43.3	121.8	5,700	*	4,400		44.8	120.9	5,900	*	4,500		45.9	118.5	6,000		4,600		130
140	30	140	38.1	109.8	4,300	*	3,600		39.5	108.8	4,600	*	3,700								140
140	30	150	32.2	95.1	3,100	*	2,900														150
140	30	160	25.0	76.1	1,700	*	1,700	*													160
140	45	40.0	80.0	188.7	24,000		24,000	*													40.0
140	45	40	79.9	188.6	24,000	*	24,000	*													40
140	45	50	76.7	186.3	20,900	*	20,900	*	79.0	185.3	17,600	*	17,700	*							50
140	45	60	73.5	183.3	18,400	*	18,300		75.8	182.3	16,500	*	16,500	*	78.0	179.9	12,500	*	12,500	*	60
140	45	70	70.3	179.8	17,100	*	14,600		72.5	178.8	14,900	*	14,900	*	74.6	176.3	11,600	*	11,600	*	70
140	45	80	66.9	175.6	14,300		11,800		69.2	174.6	13,700	*	12,300		71.2	172.0	10,800	*	10,800	*	80
140	45	90	63.5	170.6	11,800		9,700		65.8	169.6	12,200		10,100		67.8	167.0	10,100	*	10,100	*	90
140	45	100	60.0	165.0	9,900		8,000		62.2	163.9	10,200		8,300		64.2	161.2	9,500	*	8,700		100
140	45	110	56.3	158.4	8,300		6,700		58.5	157.3	8,600		6,900		60.4	154.5	8,900		7,200		110
140	45	120	52.5	150.9	7,100		5,500		54.7	149.8	7,300		5,800		56.5	146.8	7,500		6,000		120
140	45	130	48.5	142.2	6,000		4,600		50.6	141.1	6,200		4,800		52.3	137.9	6,400		5,000		130
140	45	140	44.1	132.2	5,000	*	3,800		46.2	131.0	5,300	*	4,000		47.8	127.5	5,400		4,100		140
140	45	150	39.4	120.5	3,800	*	3,100		41.4	119.1	4,100	*	3,300								150
140	45	160	34.1	106.4	2,700	*	2,500		36.0	104.9	3,000	*	2,700								160
140	45	170	28.0	89.0	1,600	*	1,600	*													170



138 HYLAB 5 - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwt																		
Refer to the Tubular Jib notes for Open Throat Boom in the Crane Rating Manual before operating the crane.																		
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)	
			5 Degrees					15 Degrees					25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)		360° Jib Capacity (lbs)
140	60	43.5	80.0	203.3	19,300	*	19,300	*									43.5	
140	60	50	78.1	201.8	17,600	*	17,600	*									50	
140	60	60	75.2	199.1	16,200	*	16,200	*	78.0	198.0	13,700	*	13,700	*			60	
140	60	70	72.2	195.9	14,400	*	14,400	*	75.0	194.7	12,400	*	12,300	*	77.7	191.7	70	
140	60	80	69.1	192.0	13,000	*	12,000		71.9	190.9	11,200	*	11,200	*	74.5	187.8	80	
140	60	90	66.0	187.6	11,800	*	9,900		68.8	186.4	10,200	*	10,200	*	71.4	183.2	90	
140	60	100	62.8	182.4	10,100		8,200		65.6	181.2	9,400	*	8,600		68.1	178.0	100	
140	60	110	59.5	176.5	8,500		6,800		62.3	175.3	8,700	*	7,200		64.7	172.0	110	
140	60	120	56.1	169.8	7,200		5,700		58.8	168.6	7,600		6,000		61.2	165.1	120	
140	60	130	52.6	162.2	6,200		4,800		55.2	161.0	6,500		5,100		57.5	157.3	130	
140	60	140	48.8	153.6	5,300	*	4,000		51.4	152.2	5,500		4,200		53.7	148.3	140	
140	60	150	44.8	143.6	4,300	*	3,300		47.4	142.2	4,700	*	3,500		49.5	138.0	150	
140	60	160	40.5	132.2	3,300	*	2,700		43.0	130.6	3,700	*	2,900				160	
140	60	170	35.7	118.7	2,400	*	2,200		38.2	116.9	2,700	*	2,300				170	
140	60	180	30.3	102.4	1,500	*	1,500	*									180	
150	30	37.5	80.0	184.3	24,000	*	24,000	*									37.5	
150	30	40	79.2	183.8	24,000	*	24,000	*									40	
150	30	50	75.9	181.5	24,000	*	23,400		77.5	180.8	23,000	*	23,000	*	79.0	179.2	50	
150	30	60	72.6	178.5	21,400		17,700		74.2	177.8	20,600	*	18,200		75.6	176.1	60	
150	30	70	69.3	174.9	17,100		14,100		70.8	174.2	17,300		14,500		72.2	172.5	70	
150	30	80	65.9	170.6	13,800		11,300		67.4	169.9	14,100		11,600		68.7	168.1	80	
150	30	90	62.3	165.6	11,300		9,100		63.8	164.9	11,600		9,400		65.2	163.0	90	
150	30	100	58.7	159.7	9,400		7,500		60.2	159.0	9,600		7,700		61.4	157.1	100	
150	30	110	54.9	152.9	7,800		6,100		56.3	152.2	8,000		6,300		57.6	150.2	110	
150	30	120	50.9	145.1	6,500		5,000		52.3	144.4	6,700		5,200		53.5	142.2	120	
150	30	130	46.6	136.1	5,400	*	4,100		48.0	135.3	5,600		4,200		49.1	133.0	130	
150	30	140	42.0	125.6	4,200	*	3,300		43.4	124.7	4,400	*	3,400				140	
150	30	150	37.0	113.1	3,000	*	2,600		38.3	112.1	3,200	*	2,700				150	
150	30	160	31.3	97.9	1,900	*	1,900	*									160	



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