

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227
GAMBRILLS, MARYLAND 21054
www.lrwilsonandsons.com



HL150C

LOAD CHARTS

**FOR 76A BOOM (76 X 89) &
32A JIB (32 X 38)
OR
46A JIB (46 X 59)**

**75% Stability
(Domestic)**



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

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LIFTING CAPACITY NOTES
75% STABILITY
76A BOOM (76" x 89")

GENERAL NOTES FOR BOOM CAPACITY:

1. Rated loads appearing in shaded areas are based on structural strength or other factors and tipping should not be relied upon as a capacity limitation.
2. Rated loads are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765 OCT80.
3. Rated loads are applicable only with machine on a firm level surface.
4. **CAUTION: MAXIMUM ALLOWABLE BOOM LENGTHS FOR ERECTION:** Boom lengths longer than specified below for 360° erection require lifting over the front idler with 1/2 inch of blocking under the idler to prevent rocking up when erecting the boom.

Counterweights	Boom Length (ft.) 360° Erection	Boom Length (ft.) Front Idler Blocked
None	110	130
T	120	140
A	130	150
A+T	140	160
AC	150	200
ABC+T	230	250

FOR MACHINE EQUIPPED WITH A JIB:

1. Rated loads appearing in jib chart in shaded areas are based on factors other than those which would cause a tipping condition and are the maximum allowable under ideal job conditions. Tipping should not be relied upon as a capacity limitation.
2. Rated loads are shown in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765 OCT80.
3. Rated loads are applicable only with machine on a firm level surface.
4. **CAUTION: MAXIMUM ALLOWABLE BOOM + JIB LENGTHS FOR ERECTION:**

32A JIB (32" x 38")

Boom and jib lengths longer than specified below for 360° erection require lifting over the front idler with 1/2 inch of blocking under the idler to prevent rocking up when erecting the boom.

Counterweights	Boom + Jib Length (ft.) 360° Erection	Boom + Jib Length (ft.) Front Idler Blocked
ABC+T	210 + 30 200 + 50 190 + 70 180 + 90	210 + 30 210 + 50 200 + 70 200 + 90

46A JIB (46" x 59")

Counterweights	*Boom + Jib Length (ft.) 360° Erection	Minimum Boom Angle for Jib Erection
ABC+T	180 + 80 180 + 100 180 + 120 180 + 140 180 + 160	20° 25° 32° 41° 50°

***WARNING!** Jib point must be allowed to roll on ground until vertical when folded under boom or within 15° of vertical when extended beyond boom before picking jib point from ground.

5. For 46A Jib, Jib length must be a minimum of 10 ft. shorter than boom length to fold the jib under the boom.
6. **46A JIB CAUTION!** Do not operate jib above 75° when boom is vertical as jib may be overhauled by jib suspension.

HL150C
IDENTIFICATION

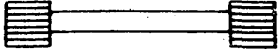
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**32A JIB CAPACITIES – ON CRAWLERS 360°
FOR 76A BOOM
75% STABILITY**


**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**



**COUNTERWEIGHT
CONFIGURATION**

BOOM ANGLES AND CAPACITIES - 360 DEGREE SWING														
BOOM LENGTH	LOAD RADIUS	70 ft. JIB						90 ft. JIB						LOAD RADIUS
		JIB ANGLES TO BOOM (JIB OFFSET IN DEGREES)												
		0°		15°		30°		0°		15°		30°		
FEET	FEET	DEG	LBS.	DEG	LBS.	DEG	LBS.	DEG	LBS.	DEG	LBS.	DEG	LBS.	FEET
190	60	78.3	28,300					79.0	20,000					60
	70	76.1	26,400	79.7	21,300			76.9	20,000					70
	80	73.8	24,600	77.4	20,300			74.8	19,200					80
	90	71.5	23,000	75.1	19,400	78.7	14,800	72.7	18,000	79.2	15,100			90
	100	69.2	21,500	72.7	18,500	76.3	14,500	70.6	16,900	77.1	14,500	79.3	10,000	100
	110	66.8	18,900	70.4	17,700	73.8	14,100	68.4	16,300	74.9	13,800	77.1	9,700	110
	120	64.4	16,100	67.9	16,100	71.3	13,600	66.2	14,900	72.7	13,200	74.8	9,500	120
	130	61.9	13,800	65.4	13,800	68.7	13,000	63.9	14,000	68.2	12,100	72.4	9,200	130
	140	59.4	11,800	62.9	11,800	66.1	11,800	61.6	12,000	65.9	11,600	70.0	9,000	140
	150	56.8	10,100	60.2	10,100	63.4	10,100	59.3	10,300	63.5	10,300	67.6	8,800	150
	160	54.1	8,600	57.5	8,600	60.6	8,600	56.9	8,800	61.1	8,800	65.0	8,600	160
	170	51.3	7,300	54.7	7,300	57.6	7,300	54.4	7,500	58.6	7,500	62.4	7,500	170
	180	48.4	6,100	51.8	6,100	54.6	6,100	51.8	6,400	56.0	6,400	59.7	6,400	180
	190	45.4	5,100	48.7	5,100	51.3	5,100	49.2	5,300	53.3	5,300	56.9	5,300	190
	200	42.2	4,200	45.4	4,200	47.9	4,200	46.4	4,400	50.5	4,400	54.0	4,400	200
	200	60	78.7	27,000					79.4	20,000				
70		76.6	25,000					77.4	19,700					70
80		74.4	23,100	77.9	19,300			75.4	18,300					80
90		72.2	21,300	75.7	18,300	79.2	14,200	73.3	17,000	79.6	14,500			90
100		70.0	19,700	73.4	17,300	76.8	13,900	71.3	15,800	77.6	13,800			100
110		67.7	17,600	71.1	16,300	74.5	13,500	69.2	14,700	75.5	13,200	79.7	9,600	110
120		65.4	15,500	68.8	15,200	72.1	13,100	67.0	13,700	73.4	12,500	77.6	9,300	120
130		63.0	13,300	66.4	13,300	69.6	12,700	64.9	12,500	71.2	11,900	75.4	9,100	130
140		60.6	11,300	64.0	11,300	67.1	11,300	62.7	11,100	69.0	11,200	73.1	8,800	140
150		58.2	9,600	61.5	9,600	64.6	9,600	60.5	9,700	66.8	10,600	70.8	8,600	150
160		55.6	8,100	58.9	8,100	61.9	8,100	58.2	8,300	64.6	9,700	68.5	8,300	160
170		53.0	6,800	56.3	6,800	59.2	6,800	55.8	7,100	62.2	8,300	66.1	8,100	170
180		50.3	5,700	53.5	5,700	56.3	5,700	53.4	5,900	59.9	7,100	63.6	7,100	180
190		47.5	4,700	50.7	4,700	53.3	4,700	50.9	4,900	57.4	5,900	61.1	5,900	190
200		44.5	3,700	47.6	3,700	50.1	3,700	48.3	3,900	54.9	4,900	58.4	4,900	200
										52.2	3,900	55.6	3,900	200

WARNING: DEDUCT 50% OF THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

HL150C
IDENTIFICATION

A6-829-800131
Pg. 14 of 14



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

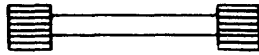
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75% STABILITY**

**80 FT. BOOM + 80 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
30	74.0	166.7	59,000	72.4	165.8	59,000	66.4	161.9	59,000	64.0	159.0	53,700	30
35	70.3	165.1	59,000										35
40	66.4	163.1	59,000										40
45	62.5	160.7	59,000										45
50	58.3	157.9	59,000										50
60	49.5	150.6	49,800	52.1	152.7	57,300	58.3	156.7	55,500	64.0	159.0	53,700	60
70	39.2	140.3	40,400	42.3	143.4	47,000	49.4	149.4	45,800	55.7	153.2	44,300	70
80	25.8	124.6	30,600	30.2	129.8	38,900	39.1	139.1	38,900	46.5	145.1	37,600	80
90							25.8	123.4	33,600	35.6	133.6	32,500	90
100										20.2	114.7	28,700	100

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
80	52.9	148.8	36,300	49.8	143.3	30,300	46.3	136.7	25,800	42.2	128.8	22,100	80
90	43.3	139.8	31,400										90
100	31.5	126.7	27,700										100
110	12.0	101.6	24,600	26.4	117.8	23,700	35.3	125.1	22,900	30.0	115.1	19,800	110
120							19.8	105.9	20,500	7.8	85.9	17,800	120
130													130

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

**HL150C
IDENTIFICATION**



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PCI P.C.I. Qualified Erector

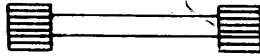
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CAPACITIES – ON CRAWLERS 360°
75% STABILITY**

**100 FT. BOOM + 80 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				BOOM ANGLE 75 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
30	74.8	187.0	59,000														30
35	71.1	185.4	59,000		73.7	186.3	59,000										35
40	67.2	183.5	59,000		70.0	184.7	59,000										40
45	63.3	181.2	59,000		66.1	182.6	59,000										45
50	59.2	178.5	59,000		62.1	180.2	59,000		69.1	183.1	59,000						50
60	50.4	171.4	48,400		53.7	173.9	57,100		61.2	178.4	54,700						60
70	40.4	161.6	37,800		44.1	165.2	47,100		52.6	171.9	45,200		60.1	175.8	43,200		70
80	27.5	146.7	28,900		32.6	152.6	40,000		42.9	162.8	38,300		51.4	168.9	36,600		80
90					14.6	129.7	30,600		31.0	149.5	33,100		41.5	159.4	31,600		90
100									10.8	123.3	29,200		29.1	145.3	27,900		100

RAD. in FT.	BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				BOOM ANGLE 60 DEG.				BOOM ANGLE 55 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
80	58.8	172.2	35,000														80
90	50.0	165.0	30,200														90
100	39.9	155.0	26,700		48.3	160.1	25,400										100
110					37.8	149.4	22,600		46.3	154.0	21,500						110
120	26.8	139.8	23,700		23.8	132.6	20,200		35.3	142.4	19,200		43.8	146.8	18,300		120
130									19.8	123.3	17,300		32.1	133.9	16,400		130
140													13.5	110.1	14,900		140

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

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HL150C
IDENTIFICATION



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P.C.I. Qualified Erector

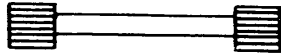
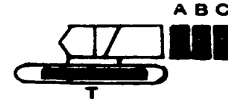
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75% STABILITY**

**120 FT. BOOM + 80 FT. JIB****COUNTERWEIGHT
CONFIGURATION****CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
35	71.9	205.7	59,000										35
40	68.0	203.9	59,000	71.3	205.2	59,000							40
45	64.1	201.7	59,000	67.5	203.3	59,000							45
50	60.1	199.1	55,000	63.5	201.0	59,000							50
60	51.4	192.2	42,300	55.2	195.1	56,700	64.0	199.9	53,800				60
70	41.5	182.7	32,900	45.9	186.9	46,800	55.7	194.1	44,300	64.3	197.8	41,900	70
80	29.1	168.6	25,200	34.8	175.1	39,700	46.5	186.0	37,600	56.0	192.1	35,500	80
90				19.0	155.4	32,400	35.5	174.5	32,500	46.8	184.1	30,600	90
100							20.1	155.6	28,700	36.0	172.8	27,100	100
110										20.9	154.3	24,000	110

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
90	56.1	189.0	29,100										90
100	47.0	181.0	25,500										100
110	36.2	169.8	22,600	46.8	176.8	21,200							110
120	21.2	151.5	20,200	36.0	165.5	18,900	46.3	171.4	17,700				120
130				20.9	147.0	17,000	35.3	159.8	15,900				130
140							19.8	140.6	14,400	34.0	152.6	13,400	140
150										17.5	131.8	12,200	150

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
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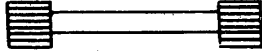
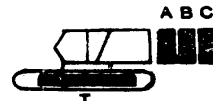
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75% STABILITY**

**140 FT. BOOM + 80 FT. JIB****COUNTERWEIGHT
CONFIGURATION****CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		
35	72.6	226.0	59,000										35
40	68.9	224.3	59,000	72.6	225.7	59,000							40
45	65.0	222.2	57,600	68.8	223.9	59,000							45
50	60.9	219.6	50,300	64.9	221.8	59,000							50
60	52.4	213.0	38,600	56.7	216.2	56,300	66.7	221.2	52,700				60
70	42.6	203.9	30,000	47.6	208.4	46,500	58.6	216.0	43,500				70
80	30.6	190.4	22,800	37.0	197.5	39,400	49.8	208.8	36,800	60.4	214.6	34,300	80
90				22.5	179.9	33,700	39.6	198.7	31,800	51.7	207.9	29,500	90
100							26.4	183.3	28,100	41.9	198.5	26,100	100
110										29.6	184.6	23,200	110
120										6.1	153.6	20,700	120

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
100	53.4	205.5	24,200										100
110	43.8	196.7	21,400	54.7	201.8	19,700							110
120	32.2	183.9	19,100	45.3	193.4	17,600							120
130	13.7	160.3	17,200	34.1	181.4	15,800	46.3	188.7	14,500				130
140				17.5	160.7	14,300	35.3	177.1	13,100				140
150							19.8	157.9	11,800	35.9	171.1	10,700	150
160										20.7	152.5	9,800	160

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

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HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

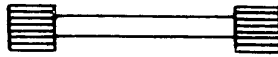
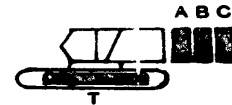
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**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES – ON CRAWLERS 360°
75% STABILITY**

**160 FT. BOOM + 80 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTER WEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
35	73.4	246.3	59,000										35
40	69.7	244.7	55,600	73.9	246.1	59,000							40
45	65.8	242.6	49,900	70.1	244.5	59,000							45
50	61.8	240.2	45,100	66.3	242.5	59,000							50
60	53.3	233.8	36,100	58.2	237.2	52,700	69.4	242.3	51,500				60
70	43.7	225.0	28,700	49.3	229.9	43,000	61.5	237.7	42,500				70
80	32.0	212.1	21,300	39.0	219.6	35,800	53.0	231.3	35,900	64.6	236.6	32,900	80
90				25.6	203.8	30,200	43.4	222.4	31,000	56.3	230.9	28,700	90
100							31.6	209.3	27,500	47.2	223.1	25,100	100
110							12.3	184.5	24,300	36.4	211.9	22,200	110
120										21.6	193.9	19,800	120

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
100	59.3	228.9	22,800										100
110	50.5	221.8	20,100										110
120	40.4	212.0	18,000	53.3	218.8	16,100							120
130	27.6	197.2	16,100	43.7	210.0	14,500							130
140				32.0	197.1	13,000	46.3	206.0	11,500				140
150				13.4	173.2	11,800	35.3	194.4	10,400				150
160							19.8	175.2	9,500	37.6	189.4	8,200	160
170										23.5	172.5	7,500	170

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

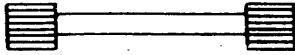
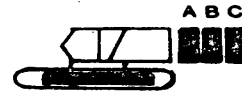
L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES – ON CRAWLERS 360°
75% STABILITY**

**180 FT. BOOM + 80 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
35	74.2	266.6	52,700										35
40	70.5	165.0	47,200										40
45	66.6	263.1	42,500	71.5	265.0	59,000							45
50	62.6	260.7	38,600	67.6	263.2	55,400							50
60	54.2	254.5	32,400	58.6	258.2	45,000							60
70	44.8	246.0	27,200	50.9	251.3	37,100	64.3	259.2	41,400				70
80	33.4	233.7	20,100	40.9	241.6	31,100	56.0	253.5	35,000				80
90				28.3	227.1	26,100	46.9	245.5	30,200	60.7	253.4	27,400	90
100							36.0	234.2	26,700	52.1	246.8	24,000	100
110							21.0	215.8	23,700	42.3	237.5	21,200	110
120										30.1	223.8	18,900	120
130										8.2	195.1	17,000	130

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
110	56.6	245.7	18,700										110
120	47.5	237.9	16,700										120
130	36.8	226.8	15,000	51.9	235.8	13,000							130
140	22.2	209.2	13,500	42.1	226.4	11,700							140
150				29.9	212.7	10,600	46.3	223.3	8,900				150
160				7.2	182.8	9,600	35.3	211.7	8,100				160
170							19.8	192.5	7,300	39.3	207.6	6,000	170
180										26.0	192.0	5,400	180

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

**HL150C
IDENTIFICATION**



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

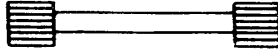
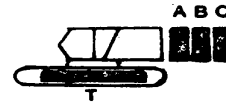
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www.lrwilsonandsons.com

**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES – ON CRAWLERS 360°
75% STABILITY**

**80 FT. BOOM + 100 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
35	74.3	186.1	59,000										35
40	71.3	184.5	59,000	73.1	185.2	59,000							40
45	68.3	182.7	59,000	70.0	183.6	59,000							45
50	65.2	180.5	59,000	67.0	181.6	59,000							50
60	58.7	175.2	49,700	60.6	176.7	56,900	65.1	179.4	55,100				60
70	51.7	168.2	41,200	53.7	170.2	46,900	58.6	174.0	45,400	63.2	176.4	43,900	70
80	43.9	159.2	34,900	46.3	161.8	39,200	51.6	167.1	38,500	56.6	170.6	37,100	80
90	34.9	147.0	29,500	37.7	150.7	33,500	43.9	158.0	33,200	49.4	163.0	32,100	90
100	23.1	129.0	22,900	26.9	134.9	28,800	34.9	145.8	29,300	41.3	153.2	28,300	100
110							23.0	127.7	26,000	31.7	139.7	25,100	110
120										18.1	118.1	22,500	120

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
90	54.4	166.2	30,900										90
100	47.0	158.0	27,300	51.9	160.9	26,300							100
110	38.5	147.2	24,200	44.2	152.0	23,300	49.2	154.6	22,400				110
120	28.1	132.0	21,700	35.3	140.0	20,800	41.2	144.7	20,100				120
130	10.7	103.6	19,500	23.6	122.2	18,800	31.5	131.1	18,100	37.6	136.0	17,400	130
140							17.7	109.2	16,400	26.8	120.1	15,700	140
150										7.0	87.2	14,300	150

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

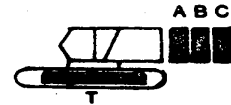
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GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES — ON CRAWLERS 360°
75% STABILITY**

**100 FT. BOOM + 100 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
35	75.0	206.3	59,000										35
40	72.0	204.8	59,000	74.1	205.7	59,000							40
45	68.9	203.1	59,000	71.1	204.1	59,000							45
50	65.8	201.0	59,000	68.0	202.2	59,000							50
60	59.4	195.8	49,600	61.7	197.5	56,700	67.3	200.6	54,300				60
70	52.4	189.0	40,600	55.0	191.4	46,700	60.9	195.7	44,700				70
80	44.8	180.2	33,100	47.6	183.4	39,600	54.1	189.4	37,900	60.1	193.1	36,200	80
90	35.9	168.4	27,500	39.3	172.8	34,200	46.7	181.1	32,700	53.2	186.5	31,200	90
100	24.6	151.3	21,500	29.1	158.1	29,800	38.2	170.2	28,900	45.7	177.9	27,500	100
110				13.1	132.1	23,300	27.7	154.7	25,600	37.0	166.6	24,400	110
120							9.7	125.1	22,900	26.0	150.2	21,900	120

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
90	59.1	189.5	29,700										90
100	52.1	182.7	26,200										100
110	44.4	173.7	23,200	50.8	177.8	22,100							110
120	35.5	161.8	20,800	43.0	168.5	19,700	49.2	172.0	18,700				120
130	23.9	144.3	18,700	33.7	155.8	17,800	41.2	162.0	16,900				130
140				21.3	136.6	16,100	31.5	148.4	15,300	38.9	154.3	14,400	140
150							17.7	126.5	13,900	28.6	139.3	13,100	150
160										12.1	112.4	12,000	160

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

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HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

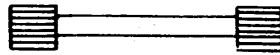
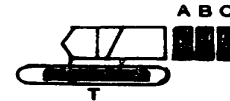
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www.lrwilsonandsons.com

**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES – ON CRAWLERS 360°
75% STABILITY**

**120 FT. BOOM + 100 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
40	72.6	225.1	59,000										40
45	69.6	223.4	59,000	72.1	224.6	59,000							45
50	66.5	221.4	56,400	69.1	222.8	59,000							50
60	60.1	216.4	44,100	62.8	218.4	56,300	69.4	221.7	53,300				60
70	53.2	209.8	35,400	56.2	212.5	46,400	63.2	217.3	43,900				70
80	45.6	201.2	29,500	49.0	204.8	39,300	56.6	211.5	37,100	63.4	215.2	35,000	80
90	37.0	189.8	23,900	40.8	194.8	34,000	49.4	203.9	32,000	56.8	209.4	30,100	90
100	26.0	173.5	18,500	31.1	181.0	29,800	41.3	194.1	28,300	49.7	202.0	26,700	100
110				16.9	158.6	24,500	31.7	180.5	25,100	41.7	192.2	23,600	110
120							18.0	158.9	22,500	32.1	178.9	21,100	120
130										18.7	157.8	19,000	130

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
100	56.9	206.3	25,000										100
110	49.8	198.9	22,100										110
120	41.8	189.2	19,800	49.7	194.7	18,500							120
130	32.3	175.9	17,800	41.6	184.9	16,600	49.2	189.3	15,400				130
140	19.0	155.0	16,100	32.1	171.6	15,000	41.2	179.3	13,900				140
150				18.7	150.5	13,700	31.5	165.7	12,700	40.3	172.4	11,700	150
160							17.7	143.9	11,500	30.3	158.3	10,700	160
170										15.6	134.7	9,700	170

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

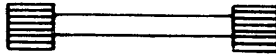
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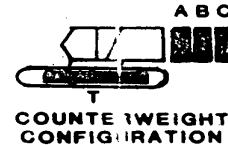
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**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES — ON CRAWLERS 360°
75% STABILITY**

**140 FT. BOOM + 100 FT. JIB**

**CAPACITY IN POUNDS
WITH A, B, C & T COUNTERWEIGHTS**



RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
40	73.2	245.4	59,000										40
45	70.2	243.8	56,100	73.2	245.1	59,000							45
50	67.1	241.8	50,800	70.2	243.4	59,000							50
60	60.8	236.9	40,200	63.9	239.2	55,900							60
70	53.9	230.5	32,200	57.4	233.6	46,100	65.4	238.6	43,000				70
80	46.5	222.2	26,800	50.3	226.3	39,000	58.9	233.4	36,400				80
90	37.9	211.2	21,600	42.3	216.7	33,700	52.0	226.5	31,300	60.3	231.9	29,400	90
100	27.3	195.6	16,600	32.9	203.7	29,500	44.2	217.5	27,700	53.5	225.4	25,700	100
110				20.1	183.7	25,500	35.3	205.5	24,600	45.9	216.9	22,700	110
120							23.6	187.8	22,000	37.3	205.7	20,300	120
130										26.4	189.6	18,300	130

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
110	54.7	223.0	20,900										110
120	47.4	214.9	18,700										120
130	39.0	204.2	16,800	48.5	211.5	15,300							130
140	28.7	189.3	15,200	40.3	201.2	13,900	49.2	206.6	12,600				140
150	12.2	162.5	13,800	30.4	187.1	12,600	41.2	196.7	11,400				150
160				15.7	163.6	11,500	31.5	183.1	10,300	41.5	190.5	9,300	160
170							17.7	161.2	9,400	32.0	177.1	8,400	170
180										18.5	155.9	7,700	180

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**HL150C
IDENTIFICATION**



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PCI P.C.I. Qualified Erector

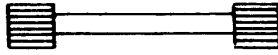
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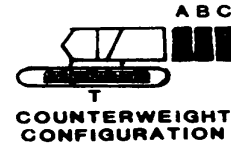
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76A BOOM + 46A JIB
CAPACITIES — ON CRAWLERS 360°
75% STABILITY**



**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

160 FT. BOOM + 100 FT. JIB



RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
40	73.9	265.7	53,400										40
45	70.8	264.1	48,200	74.2	265.5	59,000							45
50	67.8	262.2	43,700	71.2	263.9	59,000							50
60	61.4	257.5	36,600	65.1	259.9	52,100							60
70	54.7	251.3	30,000	58.6	254.6	42,900	67.6	259.9	42,000				70
80	47.3	243.2	25,000	51.6	247.6	35,800	61.2	255.1	35,500				80
90	38.9	232.5	20,100	43.8	238.5	30,300	54.4	248.8	30,600	63.7	254.0	28,200	90
100	28.6	217.5	15,400	34.7	226.3	25,800	47.0	240.6	27,100	57.1	248.3	24,600	100
110				22.8	208.1	22,300	38.6	229.8	24,000	49.9	240.9	21,800	110
120							28.2	214.6	21,400	42.0	231.2	19,400	120
130							11.0	186.5	19,300	32.5	218.1	17,500	130
140										19.3	197.5	15,800	140

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
110	59.4	246.2	19,600										110
120	52.5	239.4	17,500										120
130	44.9	230.6	15,700	54.7	236.3	13,900							130
140	36.0	218.9	14,200	47.3	228.2	12,600							140
150	24.7	201.8	12,900	38.9	217.5	11,400	49.2	223.9	9,900				150
160				28.6	202.5	10,300	41.2	214.0	9,000				160
170				12.0	175.4	9,400	31.5	200.4	8,200	42.8	208.5	7,000	170
180							17.7	178.5	7,400	33.5	195.8	6,300	180
190										21.0	176.4	5,700	190

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

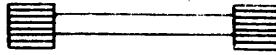
L. R. WILLSON & SONS, INC.

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GAMBRILLS, MARYLAND 21054

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**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES — ON CRAWLERS 360°
75% STABILITY**

**180 FT. BOOM + 100 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
40	74.5	286.0	45,100										40
45	71.5	284.5	40,700										45
50	68.4	282.6	37,000	72.3	284.4	53,700							50
60	62.1	278.0	31,000	66.2	280.7	43,800							60
70	55.4	272.0	26,100	59.7	275.5	36,300	69.7	280.9	40,900				70
80	48.1	264.1	22,500	52.8	268.9	30,500	63.5	276.6	34,500				80
90	39.9	253.7	19,000	45.2	260.2	25,500	56.8	270.8	29,700				90
100	29.8	239.3	14,500	36.5	248.8	22,000	49.7	263.4	26,300	60.5	270.7	23,500	100
110				25.3	231.9	19,000	41.7	253.6	23,300	53.7	264.3	20,700	110
120							32.1	240.3	20,700	46.2	255.9	18,500	120
130							18.8	219.3	17,600	37.6	244.8	16,600	130
140										26.9	228.9	15,000	140
150										7.3	196.4	13,600	150

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
120	57.3	263.0	16,200										120
130	50.2	255.7	14,500										130
140	42.2	246.1	13,100	53.6	253.3	11,200							140
150	32.8	233.1	11,800	46.1	244.9	10,100							150
160	19.9	212.9	10,800	37.5	233.7	9,100	49.2	241.2	7,600				160
170				26.7	217.7	8,300	41.2	231.3	6,800				170
180				6.4	184.0	7,500	31.5	217.7	6,200	44.0	226.5	4,800	180
190							17.7	195.8	5,600	35.0	214.3	4,300	190
200										23.2	196.4	3,900	200

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

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HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

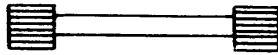
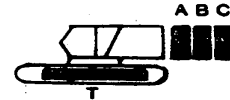
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**LUFFING JIB
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CAPACITIES – ON CRAWLERS 360°
75% STABILITY**

**80 FT. BOOM + 120 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
40	74.5	205.4	59,000										40
45	72.0	203.9	59,000	73.5	204.6	59,000							45
50	69.5	202.2	55,800	71.0	203.0	59,000							50
60	64.3	197.9	49,300	65.8	199.0	54,200	69.5	201.0	54,600				60
70	58.9	192.5	40,800	60.5	194.0	46,500	64.3	196.8	44,900				70
80	53.1	185.8	34,500	54.8	187.6	38,800	58.9	191.3	38,000	62.7	193.7	36,600	80
90	46.9	177.4	29,900	48.7	179.8	33,000	53.1	184.6	32,700	57.2	187.9	31,500	90
100	39.9	166.8	26,600	42.0	169.9	29,400	46.9	176.2	28,900	51.3	180.7	27,800	100
110	31.8	153.0	22,100	34.3	157.2	25,700	39.9	165.6	25,600	44.9	171.7	24,600	110
120	21.0	132.9	17,600	24.6	139.4	21,000	31.7	151.8	22,900	37.6	160.3	22,000	120
130							21.0	131.6	20,600	28.9	145.1	19,800	130
140										16.5	121.1	18,000	140

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
100	55.3	183.6	26,800										100
110	49.3	175.9	23,700	53.3	178.5	22,800							110
120	42.7	166.3	21,200	47.1	170.2	20,300							120
130	35.0	153.8	19,100	40.2	159.7	18,300	44.7	163.3	17,500				130
140	25.6	136.7	17,300	32.1	146.0	16,500	37.4	151.8	15,900	41.9	155.3	15,200	140
150	9.8	105.4	15,700	21.5	126.2	15,100	28.7	136.5	14,400	34.2	142.5	13,800	150
160							16.1	112.2	13,200	24.4	124.7	12,600	160
170										6.4	88.4	11,500	170

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

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HL150C
IDENTIFICATION



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P.C.I. Qualified Erector

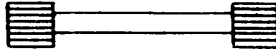
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75% STABILITY**

**100 FT. BOOM + 120 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
45	72.6	224.2	58,900	74.3	225.0	59,000							45
50	70.0	222.5	55,700	71.8	223.5	59,000							50
60	64.9	218.4	49,200	66.7	219.7	55,000							60
70	59.5	213.1	40,600	61.4	214.9	46,300	66.1	218.1	44,200				70
80	53.8	206.5	34,400	55.8	208.8	39,100	60.8	213.1	37,400				80
90	47.6	198.3	29,500	49.8	201.2	33,800	55.1	206.8	32,200	60.1	210.4	30,600	90
100	40.7	188.0	24,700	43.3	191.7	29,500	49.1	199.0	28,400	54.4	204.0	27,000	100
110	32.7	174.6	20,500	35.7	179.6	26,300	42.4	189.3	25,200	48.3	195.9	23,900	110
120	22.4	155.5	16,300	26.5	163.0	22,500	34.8	176.8	22,500	41.5	185.9	21,400	120
130				11.9	134.3	17,900	25.2	159.4	20,300	33.7	172.9	19,200	130
140							8.8	126.7	18,000	23.7	154.6	17,400	140

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
100	59.2	206.8	25,700										100
110	53.5	200.2	22,700										110
120	47.3	191.9	20,300	52.4	195.4	19,200							120
130	40.4	181.5	18,200	46.1	186.8	17,200							130
140	32.3	167.9	16,500	39.1	175.9	15,600	44.7	180.6	14,700				140
150	21.8	148.3	15,000	30.7	161.6	14,200	37.4	169.2	13,300	43.0	173.2	12,600	150
160				19.4	140.2	12,900	28.7	153.8	12,200	35.4	161.0	11,400	160
170							16.1	129.5	11,100	26.1	144.2	10,400	170
180										11.0	114.4	9,600	180

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

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HL150C
IDENTIFICATION



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P.C.I. Qualified Erector

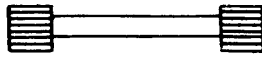
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CAPACITIES – ON CRAWLERS 360°
75% STABILITY

**120 FT. BOOM + 120 FT. JIB**

CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS

COUNTERWEIGHT
CONFIGURATION

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
45	73.1	244.5	58,800										45
50	70.6	242.9	54,100	72.7	244.0	59,000							50
60	65.4	238.8	44,500	67.6	240.4	55,800							60
70	60.1	233.7	36,100	62.4	235.7	46,000	67.9	239.2	43,400				70
80	54.4	227.3	29,900	56.8	229.9	38,900	62.7	234.6	36,600				80
90	48.2	219.2	25,500	50.9	222.6	33,500	57.1	228.8	31,500	62.9	232.5	29,600	90
100	41.5	209.2	21,300	44.5	213.5	29,600	51.3	221.6	27,900	57.4	226.8	26,100	100
110	33.6	196.2	17,600	37.1	201.9	26,200	44.8	212.6	24,700	51.5	219.6	23,100	110
120	23.7	177.9	13,800	28.3	186.3	23,200	37.6	201.2	22,000	45.1	210.7	20,600	120
130				15.5	161.4	18,800	28.8	185.9	19,800	37.9	199.4	18,500	130
140							16.4	161.9	18,000	29.2	184.3	16,800	140
150										17.1	160.9	15,300	150

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
110	57.4	223.7	21,600										110
120	51.6	216.5	19,200										120
130	45.2	207.7	17,300	51.5	212.3	16,000							130
140	38.0	196.4	15,600	45.1	203.4	14,500							140
150	29.4	181.4	14,200	37.9	192.1	13,100	44.7	197.9	12,100				150
160	17.3	158.2	12,900	29.2	177.0	11,900	37.4	186.5	11,000	44.0	191.2	10,100	160
170				17.0	153.6	10,900	28.7	171.1	10,000	36.6	179.4	9,200	170
180							16.1	146.8	9,200	27.6	163.5	8,400	180
190										14.2	137.3	7,700	190

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HL150C
 IDENTIFICATION



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

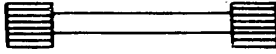
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75% STABILITY

**140 FT. BOOM + 120 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUN ERWEIGHT
CONF GURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
45	73.6	264.8	52,000										45
50	71.1	263.2	47,600	73.6	264.5	59,000							50
60	66.0	259.3	40,200	68.5	261.0	55,400							60
70	60.6	254.3	32,800	63.3	256.5	45,600	69.7	260.3	42,400				70
80	55.0	248.0	27,800	57.8	250.9	38,500	64.5	256.0	35,800				80
90	48.9	240.1	23,100	52.0	243.9	33,200	59.1	250.7	30,800				90
100	42.2	230.3	19,200	45.6	235.1	29,100	53.3	244.0	27,200	60.3	249.2	25,100	100
110	34.5	217.7	15,800	38.5	224.0	25,300	47.1	235.7	24,100	54.6	242.8	22,200	110
120	24.9	200.2	12,300	30.0	209.4	22,100	40.2	225.2	21,500	48.5	234.9	19,800	120
130				18.3	187.1	19,300	32.1	211.5	19,400	41.7	224.9	17,800	130
140							21.5	191.7	17,500	34.0	212.1	16,100	140
150										24.1	194.0	14,600	150
160										5.0	155.5	13,300	160

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
120	55.6	240.4	18,100										120
130	49.6	232.7	16,200										130
140	43.0	223.2	14,700	50.5	229.2	13,300							140
150	35.5	211.0	13,300	44.0	220.0	12,000							150
160	26.1	194.2	12,100	36.6	208.2	10,900	44.7	215.3	9,700				160
170	11.2	164.6	11,100	27.7	192.3	9,900	37.4	203.8	8,900				170
180				14.3	166.2	9,100	28.7	188.4	8,100	37.8	197.7	7,100	180
190							16.1	164.1	7,400	29.1	182.6	6,400	190
200										16.9	159.0	5,900	200

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HL150C
IDENTIFICATION



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PCI P.C.I. Qualified Erector

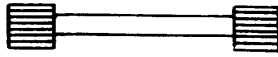
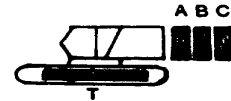
L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES - ON CRAWLERS 360°
75% STABILITY**

**160 FT. BOOM + 120 FT. JIB****COUNTERWEIGHT
CONFIGURATION****CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
45	74.1	285.1	45,000										45
50	71.6	283.5	41,000	74.4	284.9	58,900							50
60	66.5	279.7	34,500	69.4	281.6	49,700							60
70	61.2	274.8	29,200	64.2	277.3	41,300							70
80	55.6	268.7	25,200	58.8	271.9	34,700	66.3	277.3	34,900				80
90	49.6	261.0	21,400	53.0	265.1	29,200	61.0	272.4	30,000				90
100	43.0	251.4	17,800	46.8	256.7	25,000	55.4	266.2	26,500	63.1	271.3	24,000	100
110	35.4	239.2	14,500	39.8	246.1	21,600	49.4	258.5	23,500	57.6	265.6	21,200	110
120	26.0	222.4	11,300	31.6	232.2	18,800	42.7	248.8	21,000	51.7	258.5	18,900	120
130				20.8	211.9	16,400	35.1	236.4	18,800	45.3	249.7	16,900	130
140							25.7	219.4	17,100	38.2	238.5	15,300	140
150							10.0	188.3	15,200	29.6	223.6	13,900	150
160										17.6	200.7	12,700	160

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
120	59.5	263.5	16,900										120
130	53.8	256.9	15,100										130
140	47.6	248.8	13,600										140
150	40.8	238.5	12,300	49.6	246.0	10,800							150
160	32.8	225.1	11,200	43.0	236.5	9,700							160
170	22.5	206.0	10,200	35.4	224.2	8,900	44.7	232.6	7,600				170
180				26.0	207.4	8,100	37.4	221.1	6,800				180
190				10.9	177.4	7,400	28.7	205.7	6,200	38.9	216.0	5,100	190
200							16.1	181.5	5,600	30.5	201.5	4,600	200
210										19.1	179.9	4,100	210

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

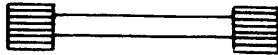
L. R. WILLSON & SONS, INC.

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GAMBRILLS, MARYLAND 21054

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**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES - ON CRAWLERS 360°
75% STABILITY**

**180 FT. BOOM + 120 FT. JIB**

**CAPACITY IN POUNDS
WITH A.B.C & T COUNTERWEIGHTS**



**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
45	74.6	305.4	38,000										45
50	72.2	303.9	34,600										50
60	67.1	300.1	28,600	70.3	302.2	41,600							60
70	61.8	295.4	24,400	65.1	298.1	34,600							70
80	56.2	289.3	20,900	59.8	292.9	28,600	68.1	298.5	33,900				80
90	50.2	281.9	18,100	54.1	286.3	24,400	62.9	293.9	29,100				90
100	43.7	272.5	15,800	47.9	278.2	20,900	57.4	288.2	25,800				100
110	36.3	260.6	13,600	41.1	268.1	18,000	51.5	281.0	22,800	60.4	288.1	20,100	110
120	27.2	244.4	10,500	33.2	254.9	15,600	45.1	272.1	20,200	54.8	281.7	17,900	120
130				23.0	236.2	13,500	37.9	260.8	17,300	48.7	273.8	16,100	130
140							29.3	245.8	14,800	42.0	264.0	14,500	140
150							17.1	222.4	12,600	34.3	251.2	13,100	150
160										24.5	233.5	11,900	160
170										6.7	197.6	10,900	170

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
130	57.7	280.4	13,900										130
140	51.9	273.3	12,500										140
150	45.5	264.6	11,300	54.7	270.7	9,500							150
160	38.4	253.4	10,200	48.6	262.8	8,500							160
170	29.9	238.7	9,300	41.9	252.9	7,700							170
180	18.1	216.2	8,500	34.1	240.1	7,000	44.7	249.9	5,500				180
190				24.3	222.2	6,300	37.4	238.4	5,000				190
200				5.8	185.1	5,800	28.7	223.1	4,500	40.0	234.1	3,300	200
210							16.1	198.8	4,000	31.9	220.3	2,900	210
220										21.2	200.3	2,500	220

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

**HL150C
IDENTIFICATION**



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

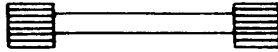
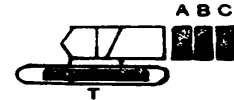
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75% STABILITY**

**80 FT. BOOM + 140 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
45	74.7	224.8	48,000	73.8	224.0	49,200							45
50	72.5	223.3	45,400										50
60	68.2	219.8	40,800	69.4	220.7	44,000							60
70	63.7	215.3	36,800	65.0	216.5	39,600	68.2	218.6	42,600				70
80	59.1	209.8	33,100	60.4	211.3	35,800	63.7	214.1	37,500				80
90	54.1	203.2	28,300	55.6	205.1	32,200	59.0	208.7	32,300	62.3	211.0	31,100	90
100	48.9	195.3	25,700	50.4	197.5	27,500	54.1	202.1	28,500	57.6	205.3	27,400	100
110	43.2	185.7	23,200	44.9	188.4	25,000	48.9	194.1	25,200	52.6	198.3	24,200	110
120	36.9	173.8	20,200	38.8	177.2	22,400	43.2	184.5	22,500	47.2	189.9	21,600	120
130	29.4	158.4	17,100	31.7	163.1	19,900	36.8	172.6	20,300	41.4	179.6	19,400	130
140	19.5	136.4	13,700	22.7	143.6	16,900	29.3	157.2	18,400	34.7	166.8	17,600	140
150							19.4	135.1	16,600	26.7	150.0	16,000	150
160										15.3	123.9	14,600	160

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
110	56.0	201.0	23,200	54.3	195.9	19,900							110
120	50.9	193.6	20,700	49.1	188.0	17,800							120
130	45.4	184.7	18,600										130
140	39.4	173.7	16,800	43.4	178.5	16,100	47.1	181.5	15,400				140
150	32.4	159.9	15,300	37.1	166.7	14,600	41.2	171.2	14,000	44.8	173.8	13,300	150
160	23.6	141.1	14,000	29.7	151.5	13,300	34.6	158.3	12,700	38.7	162.6	12,100	160
170	9.1	107.0	12,800	19.9	129.9	12,200	26.5	141.4	11,600	31.6	148.4	11,100	170
180							14.9	114.9	10,700	22.6	128.8	10,200	180
190										5.9	89.4	9,400	190

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

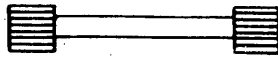
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75% STABILITY**

**100 FT. BOOM + 140 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**



**T
COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		
50	73.0	243.6	45,200	74.5	244.4	50,000							50
60	68.7	240.1	40,600	70.2	241.2	44,700							60
70	64.2	235.8	36,700	65.8	237.2	40,200	69.7	239.6	43,800				70
80	59.5	230.4	33,000	61.2	232.2	36,300	65.3	235.5	36,900				80
90	54.7	224.0	28,200	56.4	226.2	32,600	60.7	230.4	31,700	64.7	232.9	30,100	90
100	49.5	216.2	25,600	51.4	218.9	27,900	55.9	224.2	28,000	60.1	227.7	26,600	100
110	43.9	206.7	21,900	45.9	210.1	25,400	50.7	216.7	24,800	55.2	221.4	23,500	110
120	37.6	195.1	18,700	39.9	199.3	22,800	45.2	207.7	22,100	50.1	213.7	20,900	120
130	30.2	180.2	15,700	33.0	185.8	20,300	39.1	196.7	19,900	44.5	204.5	18,800	130
140	20.7	159.3	12,600	24.5	167.5	17,400	32.1	182.8	18,000	38.3	193.1	17,000	140
150				11.1	136.3	14,000	23.3	163.7	16,400	31.1	178.7	15,500	150
160							8.2	128.2	14,100	21.9	158.6	14,100	160

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		
110	59.3	224.2	22,200										110
120	54.4	217.6	19,800										120
130	49.2	209.8	17,800	53.5	212.9	16,800							130
140	43.6	200.3	16,100	48.3	204.8	15,100							140
150	37.3	188.5	14,600	42.5	194.9	13,700	47.1	198.8	12,900				150
160	29.9	173.4	13,300	36.1	182.7	12,500	41.2	188.5	11,700				160
170	20.2	152.0	12,200	28.4	166.9	11,400	34.6	175.6	10,700	39.7	180.8	10,000	170
180				18.0	143.5	10,500	26.5	158.7	9,800	32.7	167.1	9,100	180
190							14.9	132.2	9,000	24.1	148.6	8,300	190
200										10.2	116.2	7,700	200

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



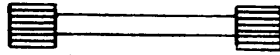
PCI P.C.I. Qualified Erector

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75% STABILITY****120 FT. BOOM + 140 FT. JIB****CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS****COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
50	73.4	263.9	45,100										50
60	69.1	260.5	40,500	71.0	261.8	45,400							60
70	64.9	256.3	35,900	66.6	257.9	40,800							70
80	60.0	251.0	30,100	62.0	253.1	36,800	66.8	256.7	36,100				80
90	55.2	244.7	26,100	57.3	247.2	33,100	62.3	252.0	31,100				90
100	50.0	237.0	22,100	52.3	240.2	28,300	57.6	246.2	27,400	62.5	249.9	25,700	100
110	44.5	227.8	18,800	46.9	231.6	25,700	52.6	239.2	24,200	57.7	244.1	22,600	110
120	38.3	216.4	15,900	41.0	221.3	23,100	47.2	230.8	21,600	52.8	237.2	20,200	120
130	31.1	202.0	13,300	34.3	208.3	20,700	41.3	220.5	19,400	47.4	228.8	18,100	130
140	21.9	181.9	10,500	26.2	191.1	17,900	34.7	207.7	17,600	41.6	218.6	16,400	140
150				14.3	164.0	14,600	26.7	190.9	16,000	35.0	206.0	14,900	150
160							15.2	164.7	14,600	27.0	189.3	13,600	160
170										15.8	163.8	12,400	170

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
120	57.8	241.0	18,700										120
130	52.8	234.1	16,800										130
140	47.5	225.8	15,100	52.8	229.9	14,000							140
150	41.7	215.6	13,700	47.4	221.5	12,600							150
160	35.1	203.0	12,500	41.6	211.4	11,500	47.1	216.1	10,500				160
170	27.2	186.4	11,400	35.0	198.7	10,500	41.2	205.8	9,500				170
180	16.0	161.2	10,500	27.0	182.0	9,600	34.6	193.0	8,700	40.6	198.9	7,900	180
190				15.8	156.5	8,800	26.5	176.0	8,000	33.8	185.7	7,200	190
200							14.9	149.5	7,300	25.5	168.2	6,500	200
210										13.2	139.7	6,000	210

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HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

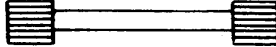
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75% STABILITY**

**140 FT. BOOM + 140 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**



**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
50	73.9	284.2	42,200										50
60	69.6	280.9	36,300	71.7	282.3	46,200							60
70	65.1	276.7	31,400	67.3	278.5	41,400							70
80	60.5	271.6	27,100	62.8	273.9	37,000	68.4	277.9	35,300				80
90	55.7	265.4	23,600	58.1	268.2	31,900	63.9	273.4	30,300				90
100	50.6	257.9	19,900	53.2	261.4	27,400	59.2	268.0	26,800	64.8	271.8	24,700	100
110	45.1	248.8	16,800	47.9	253.2	23,900	54.3	261.5	23,700	60.2	266.6	21,700	110
120	39.0	237.7	14,200	42.1	243.2	20,900	49.1	253.6	21,100	55.4	260.3	19,300	120
130	31.9	223.7	11,700	35.5	230.7	18,400	43.5	244.0	19,000	50.2	252.7	17,300	130
140	23.0	204.4	9,200	27.7	214.5	16,200	37.1	232.2	17,100	44.7	243.5	15,600	140
150				17.0	190.2	14,300	29.7	217.0	15,600	38.5	232.2	14,200	150
160							19.9	195.4	14,200	31.4	217.9	12,900	160
170										22.3	198.1	11,800	170

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	JIB SHEAVE ANG	HGT	RATED LOAD	
130	56.3	257.8	15,800										130
140	51.2	250.4	14,200										140
150	45.7	241.6	12,800	52.0	246.8	11,500							150
160	39.7	230.7	11,700	46.6	238.2	10,400							160
170	32.8	217.1	10,600	40.6	227.7	9,500	47.1	233.4	8,400				170
180	24.2	198.6	9,700	33.8	214.5	8,600	41.2	223.1	7,600				180
190	10.3	166.5	8,900	25.6	197.0	7,900	34.6	210.3	6,900	41.5	217.0	5,900	190
200				13.2	168.6	7,200	26.5	193.3	6,300	34.9	204.3	5,400	200
210							14.9	166.9	5,700	26.9	187.6	4,900	210
220										15.6	161.8	4,400	220

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800122 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

WARNING: DEDUCT THE "WEIGHT OF ALL LOAD HANDLING DEVICES" REEVED OVER THE MAIN BOOM POINT, FROM PUBLISHED JIB CAPACITY VALUES, WHEN HANDLING LOADS OVER THE JIB POINT.

HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

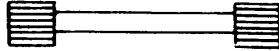
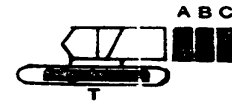
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**LUFFING JIB
76A BOOM + 46A JIB
CAPACITIES — ON CRAWLERS 360°
75% STABILITY**

**160 FT. BOOM + 140 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
50	74.3	304.5	36,900										50
60	70.0	301.2	31,300	72.5	302.8	45,000							60
70	65.6	297.2	26,600	68.1	299.2	38,000							70
80	61.0	292.1	23,000	63.6	294.7	32,200	69.9	298.9	34,400				80
90	56.2	286.0	19,900	59.0	289.2	27,200	65.5	294.8	29,500				90
100	51.2	278.7	17,400	54.1	282.6	23,400	60.9	289.7	26,100				100
110	45.7	269.8	15,300	48.8	274.6	20,300	56.1	283.6	23,000	62.6	288.7	20,700	110
120	39.6	259.0	13,000	43.1	265.0	17,600	51.0	276.2	20,500	57.9	283.0	18,400	120
130	32.7	245.3	10,700	36.8	253.0	15,300	45.5	267.2	18,400	52.9	276.1	16,500	130
140	24.1	226.8	8,300	29.2	237.6	13,300	39.4	256.3	16,600	47.6	267.8	14,800	140
150				19.2	215.4	11,600	32.4	242.5	15,000	41.8	257.7	13,400	150
160							23.7	223.8	12,800	35.2	245.1	12,200	160
170										27.3	228.7	11,200	170
180										16.3	203.7	10,200	180

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
130	59.6	280.8	14,600										130
140	54.7	274.4	13,100										140
150	49.5	266.6	11,800										150
160	43.9	257.2	10,700	51.1	263.7	9,200							160
170	37.6	245.6	9,700	45.7	254.9	8,400							170
180	30.3	230.7	8,900	39.6	244.0	7,600	47.1	250.7	6,300				180
190	20.8	209.8	8,100	32.7	230.3	6,900	41.2	240.4	5,700				190
200				24.1	211.8	6,300	34.6	227.6	5,100	42.4	235.0	4,100	200
210				10.1	179.3	5,700	26.5	210.6	4,700	35.9	222.7	3,600	210
220							14.9	184.2	4,200	28.2	206.8	3,200	220
230										17.7	183.2	2,900	230

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

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HL150C
IDENTIFICATION



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PCI P.C.I. Qualified Erector

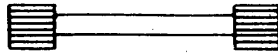
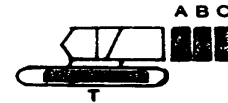
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**180 FT. BOOM + 140 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
50	74.8	324.7	31,200										50
60	70.5	321.6	25,900	73.2	323.2	38,200							60
70	66.1	317.6	22,100	68.9	319.8	32,000							70
80	61.5	312.7	18,900	64.4	315.5	26,500							80
90	56.7	306.7	16,200	59.8	310.2	22,600	67.0	316.0	29,100				90
100	51.7	299.5	14,000	54.9	303.8	18,300	62.5	311.3	25,300				100
110	46.3	290.8	12,100	49.8	296.1	16,600	57.8	305.5	22,200	65.0	310.6	19,600	110
120	40.3	280.2	10,500	44.2	286.7	14,200	52.8	298.6	19,100	60.4	305.4	17,400	120
130	33.5	266.9	9,200	37.9	275.2	12,200	47.4	290.2	16,300	55.6	299.1	15,600	130
140	25.1	249.0	7,600	30.7	260.6	10,500	41.6	280.1	14,000	50.4	291.6	14,000	140
150				21.3	240.1	9,000	35.0	267.4	11,900	44.9	282.5	12,700	150
160							27.0	250.8	10,100	38.7	271.3	11,500	160
170							15.8	225.3	8,500	31.6	257.1	10,500	170
180										22.7	237.6	9,400	180
190										6.2	198.7	7,500	190

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
140	58.1	297.7	12,000							140
150	53.1	290.9	10,800							150
160	47.8	282.6	9,700							160
170	42.0	272.6	8,800	50.3	280.6	7,200				170
180	35.5	260.1	8,000	44.8	271.4	6,500				180
190	27.6	243.8	7,300	38.6	260.2	5,800	47.1	268.1	4,500	190
200	16.8	219.3	6,600	31.5	246.0	5,300	41.2	257.8	4,000	200
210				22.5	226.3	4,800	34.6	244.9	3,500	210
220				5.4	186.0	4,300	26.5	228.0	3,100	220
230							14.9	201.5	2,800	230

RATED LOADS APPEARING IN SHADED AREAS ARE BASED ON STRUCTURAL OR OTHER FACTORS RATHER THAN STABILITY.

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HL150C
IDENTIFICATION



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PCI P.C.I. Qualified Erector

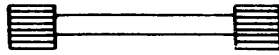
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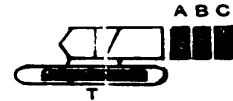
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75% STABILITY**



**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

80 FT. BOOM + 160 FT. JIB

**COUNT RWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
50	74.8	244.2	36,600	72.1	241.8	35,400							50
60	71.0	241.1	32,700	68.3	238.2	31,700							60
70	67.2	237.3	27,600										70
80	63.3	232.7	24,700	64.4	233.9	26,800	67.2	236.1	30,700				80
90	59.2	227.2	22,200	60.4	228.6	24,000	63.2	231.5	25,900				90
100	54.9	220.7	19,900	56.1	222.4	21,500	59.1	226.0	23,200	62.0	228.4	25,100	100
110	50.4	213.0	18,000	51.7	215.2	19,300	54.9	219.5	20,900	57.9	222.6	22,500	110
120	45.6	204.0	16,200	47.0	206.6	17,400	50.4	211.9	18,800	53.5	215.8	20,200	120
130	40.3	193.3	14,700	41.9	196.4	15,800	45.5	202.8	16,900	49.0	207.8	18,200	130
140	34.4	180.2	13,300	36.2	184.0	14,300	40.3	192.1	15,300	44.0	198.3	16,400	140
150	27.4	163.5	12,200	29.6	168.6	13,000	34.4	179.0	13,900	38.6	186.9	14,900	150
160	18.2	139.7	10,600	21.2	147.5	11,900	27.4	162.3	12,600	32.4	172.9	13,500	160
170							18.1	138.4	11,600	24.9	154.6	12,300	170
180										14.3	126.5	11,300	180

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
120	56.5	218.4	20,200										120
130	52.1	211.2	18,100										130
140	47.4	202.8	16,300	50.6	205.8	15,600							140
150	42.4	192.7	14,800	45.8	196.8	14,100	48.8	199.4	13,400				150
160	36.7	180.6	13,500	40.5	186.1	12,800	43.9	189.8	12,200				160
170	30.2	165.5	12,300	34.6	173.1	11,700	38.5	178.4	11,100	41.8	181.7	10,600	170
180	22.1	145.1	11,300	27.7	156.6	10,700	32.3	164.3	10,200	36.1	169.4	9,600	180
190	8.5	108.6	10,400	18.6	133.3	9,900	24.8	145.9	9,300	29.5	153.8	8,800	190
200							13.9	117.4	8,600	21.1	132.7	8,100	200
210										5.5	90.4	7,500	210

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HL150C
IDENTIFICATION



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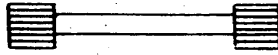
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**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**



RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
60	71.4	261.4	32,500	72.8	262.3	36,000							60
70	67.6	257.7	27,400	69.0	258.8	32,100							70
80	63.7	253.2	24,700	65.1	254.6	27,100	68.5	257.2	31,700				80
90	59.6	247.8	22,100	61.1	249.5	24,300	64.6	252.9	26,800				90
100	55.4	241.4	19,900	56.9	243.5	21,800	60.6	247.7	24,000	64.1	250.3	26,100	100
110	50.9	233.9	17,900	52.5	236.4	19,600	56.4	241.6	21,600	60.0	245.0	23,000	110
120	46.1	225.0	16,100	47.8	228.1	17,700	52.0	234.4	19,400	55.8	238.8	20,500	120
130	40.9	214.5	14,600	42.8	218.2	16,000	47.3	225.9	17,500	51.4	231.4	18,300	130
140	35.1	201.7	13,300	37.2	206.3	14,400	42.2	215.8	15,800	46.6	222.7	16,500	140
150	28.2	185.5	12,100	30.8	191.5	13,100	36.5	203.6	14,300	41.5	212.4	15,000	150
160	19.4	162.8	9,600	22.9	171.7	12,000	30.0	188.3	13,000	35.7	199.8	13,700	160
170				10.3	138.2	10,900	21.8	167.7	11,800	29.0	184.1	12,500	170
180							7.6	129.6	11,000	20.5	162.4	11,500	180

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
120	59.4	241.5	19,300										120
130	55.2	235.1	17,300										130
140	50.7	227.5	15,500	54.4	230.4	14,600							140
150	45.9	218.6	14,100	49.8	222.6	13,200							150
160	40.6	207.9	12,800	45.0	213.4	12,000	48.8	216.7	11,100				160
170	34.8	195.0	11,700	39.7	202.4	10,900	43.9	207.2	10,100				170
180	27.9	178.6	10,700	33.7	189.0	9,900	38.5	195.7	9,200	42.6	199.7	8,500	180
190	18.9	155.5	9,800	26.5	171.7	9,100	32.3	181.6	8,400	37.0	187.7	7,800	190
200				16.8	146.5	8,400	24.8	163.2	7,700	30.6	172.8	7,100	200
210							13.9	134.7	7,100	22.5	152.7	6,500	210
220										9.5	118.0	6,000	220

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HL150C
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P.C.I. Qualified Erector

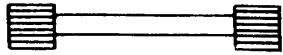
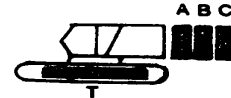
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**CAPACITY IN POUNDS
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**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
60	71.8	281.7	32,400	73.4	282.8	36,600							60
70	68.0	278.1	27,400	69.6	279.4	32,600							70
80	64.1	273.6	24,600	65.8	275.3	27,500	69.9	278.2	32,800				80
90	60.0	268.3	22,000	61.8	270.4	24,700	66.0	274.2	27,700				90
100	55.8	262.1	19,800	57.6	264.6	22,200	62.0	269.3	24,900				100
110	51.4	254.7	17,800	53.3	257.7	19,900	57.9	263.5	22,300	62.2	267.2	22,100	110
120	46.6	246.0	16,100	48.7	249.6	17,900	53.5	256.7	20,000	58.0	261.5	19,700	120
130	41.5	235.7	14,000	43.7	240.0	16,200	48.9	248.7	18,000	53.7	254.7	17,600	130
140	35.7	223.1	11,900	38.2	228.5	14,600	44.0	239.2	16,300	49.1	246.7	15,900	140
150	29.0	207.3	10,000	32.0	214.3	13,300	38.6	227.8	14,700	44.2	237.3	14,400	150
160	20.5	185.6	7,800	24.4	195.6	12,100	32.4	213.7	13,300	38.8	226.0	13,100	160
170				13.4	166.4	11,100	24.9	195.4	12,100	32.7	212.0	11,900	170
180							14.2	167.3	11,200	25.2	194.0	10,900	180
190										14.8	166.5	10,000	190

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
130	58.1	258.4	16,200										130
140	53.8	251.6	14,600										140
150	49.2	243.6	13,200	53.7	247.4	12,100							150
160	44.3	234.2	12,000	49.1	239.4	10,900							160
170	38.9	222.9	10,900	44.2	230.0	9,900	48.8	234.0	9,000				170
180	32.8	209.1	10,000	38.8	218.7	9,000	43.9	224.5	8,100				180
190	25.4	191.1	9,100	32.6	204.7	8,300	38.5	213.0	7,400	43.4	217.7	6,600	190
200	15.0	163.9	8,400	25.2	186.7	7,500	32.3	199.0	6,700	37.9	206.0	6,000	200
210				14.7	159.2	6,900	24.8	180.5	6,200	31.6	191.6	5,400	210
220							13.9	152.1	5,600	23.9	172.6	4,900	220
230										12.3	142.0	4,500	230

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HL150C
IDENTIFICATION



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

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CAPACITIES – ON CRAWLERS 360°
75% STABILITY

**140 FT. BOOM + 160 FT. JIB**

**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
60	72.2	302.0	30,900	74.1	303.2	37,200							60
70	68.4	298.5	26,800	70.3	300.0	33,100							70
80	64.5	294.1	23,600	66.5	296.0	27,900							80
90	60.5	288.9	20,800	62.5	291.2	25,100	67.3	295.4	28,600				90
100	56.3	282.7	18,300	58.4	285.6	22,500	63.4	290.8	25,800				100
110	51.8	275.5	16,200	54.1	278.9	20,200	59.3	285.3	23,100	64.2	289.1	21,200	110
120	47.1	266.9	14,400	49.5	271.0	18,200	55.1	278.9	20,600	60.2	283.9	18,800	120
130	42.0	256.8	12,400	44.6	261.7	16,400	50.6	271.3	18,500	56.0	277.6	16,800	130
140	36.4	244.5	10,500	39.2	250.6	14,500	45.8	262.3	16,700	51.5	270.3	15,100	140
150	29.8	229.2	8,600	33.2	236.9	12,800	40.5	251.7	15,100	46.8	261.7	13,700	150
160	21.5	208.3	6,600	25.9	219.3	11,200	34.6	238.7	13,700	41.7	251.4	12,400	160
170*				15.9	193.0	9,900	27.7	222.2	12,500	35.9	239.0	11,300	170
180							18.6	198.8	10,800	29.3	223.3	10,400	180
190										20.8	201.9	9,500	190

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			BOOM ANGLE 55 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
140	56.8	275.1	13,600										140
150	52.4	268.0	12,300										150
160	47.7	259.6	11,100	53.0	264.4	9,800							160
170	42.6	249.7	10,100	48.4	256.2	8,900							170
180	37.0	237.7	9,200	43.4	246.5	8,100	48.8	251.3	7,000				180
190	30.6	222.8	8,400	37.9	234.8	7,300	43.9	241.8	6,300				190
200	22.6	202.8	7,700	31.6	220.4	6,700	38.5	230.4	5,700	44.1	235.6	4,800	200
210	9.7	168.2	7,100	23.9	201.4	6,100	32.3	216.3	5,200	38.7	224.3	4,300	210
220				12.4	170.9	5,600	24.8	197.9	4,700	32.6	210.3	3,800	220
230							13.9	169.4	4,200	25.1	192.2	3,400	230
240										14.6	164.5	3,100	240

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HL150C
IDENTIFICATION



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PCI P.C.I. Qualified Erector

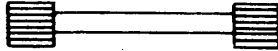
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**CAPACITY IN POUNDS
WITH A,B,C & T COUNTERWEIGHTS**

**COUNTERWEIGHT
CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		
60	72.6	322.3	26,700	74.7	323.6	37,800							60
70	68.8	318.9	23,100	71.0	320.5	33,000							70
80	64.9	314.6	20,000	67.1	316.7	28,000							80
90	60.9	309.5	17,300	63.2	312.1	24,200	68.7	316.5	29,400				90
100	56.7	303.4	15,100	59.1	306.6	20,900	64.8	312.2	25,600				100
110	52.3	296.3	13,100	54.8	300.0	18,100	60.8	307.0	22,500				110
120	47.6	287.9	11,400	50.3	292.4	15,700	56.6	300.9	20,000	62.3	306.0	17,900	120
130	42.6	277.9	9,900	45.5	283.4	13,500	52.2	293.8	17,900	58.2	300.3	15,900	130
140	37.0	265.9	8,600	40.2	272.6	11,700	47.5	285.3	16,000	53.9	293.6	14,300	140
150	30.5	250.9	7,600	34.3	259.4	10,100	42.4	275.3	13,700	49.3	285.6	12,900	150
160	22.5	230.9	5,900	27.3	242.7	8,700	36.8	263.2	11,700	44.4	276.3	11,700	160
170				18.0	216.7	7,500	30.3	248.1	10,000	39.0	265.0	10,700	170
180							22.2	227.8	8,400	32.9	251.2	9,700	180
190							8.7	191.6	7,000	25.5	233.4	8,900	190
200										15.3	206.5	7,900	200

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			RAD. in FT.
	JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		JIB SHEAVE ANG HGT	RATED LOAD		
140	59.6	298.2	12,500							140
150	55.4	291.8	11,200							150
160	50.9	284.3	10,100							160
170	46.1	275.5	9,200	52.3	281.3	7,800				170
180	40.9	264.9	8,300	47.6	272.9	7,000				180
190	35.1	252.1	7,600	42.6	262.9	6,300	48.8	268.7	5,100	190
200	28.3	236.0	6,900	37.0	250.9	5,700	43.9	259.1	4,600	200
210	19.4	213.3	6,300	30.5	236.0	5,200	38.5	247.7	4,100	210
220				22.5	215.9	4,700	32.3	233.6	3,600	220
230				9.5	181.0	4,200	24.8	215.2	3,200	230
240							13.9	186.7	2,900	240

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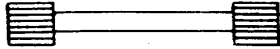
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CAPACITY IN POUNDS
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COUNTERWEIGHT
CONFIGURATION

RAD. in FT.	BOOM ANGLE 87 DEG.			BOOM ANGLE 85 DEG.			BOOM ANGLE 80 DEG.			BOOM ANGLE 75 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
60	73.0	342.6	22,500										60
70	69.2	339.2	19,100	71.6	341.0	27,700							70
80	65.3	335.0	16,300	67.8	337.3	23,600							80
90	61.3	330.0	13,900	63.9	332.9	20,100							90
100	57.2	324.1	11,800	59.8	327.5	17,100	66.2	333.5	23,600				100
110	52.8	317.1	10,100	55.6	321.2	14,600	62.2	328.6	20,200				110
120	48.1	308.8	8,500	51.1	313.7	12,400	58.0	322.9	17,300	64.4	327.9	16,800	120
130	43.1	299.0	7,200	46.4	305.0	10,500	53.7	316.1	14,800	60.3	322.7	15,000	130
140	37.6	287.3	6,100	41.2	294.5	8,900	49.1	308.1	12,600	56.1	316.5	13,400	140
150	31.3	272.7	5,100	35.4	281.9	7,400	44.2	298.7	10,600	51.7	309.2	12,100	150
160	23.5	253.3	4,400	28.6	265.9	6,200	38.8	287.4	8,900	47.0	300.6	11,000	160
170				19.9	243.7	5,100	32.7	273.5	7,400	41.8	290.4	9,900	170
180							25.3	255.4	6,000	36.2	278.1	8,700	180
190							14.8	228.0	4,800	29.6	262.6	7,100	190
200										21.2	241.5	5,600	200
210										5.8	199.8	4,200	210

RAD. in FT.	BOOM ANGLE 70 DEG.			BOOM ANGLE 65 DEG.			BOOM ANGLE 60 DEG.			RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	JIB ANG	SHEAVE HGT	RATED LOAD	
150	58.3	315.1	10,200							150
160	54.0	308.4	9,100							160
170	49.4	300.5	8,200							170
180	44.5	291.1	7,400	51.6	298.2	5,900				180
190	39.2	280.0	6,700	46.9	289.6	5,200				190
200	33.1	266.3	6,100	41.7	279.4	4,700	48.8	286.0	3,300	200
210	25.8	248.6	5,500	36.0	267.0	4,200	43.9	276.4	2,900	210
220	15.7	222.2	5,000	29.4	251.4	3,700	38.5	265.0	2,500	220
230				21.0	230.2	3,300	32.3	250.9	2,200	230
240				5.1	187.0	3,000				240

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