



**GROVE**<sup>®</sup>  
worldwide

# HL150T

## LOAD CHARTS



**FOR 76A BOOM (76 X 89)**

**& 32A JIB (32 X 38)**

**OR**

**46A (46 X 59)**

**85% Stability - On Outriggers**

**75% Stability - On Rubber**

**"WARNING: THIS CHART IS ONLY A GUIDE. The Notes inside are for illustration only and should not be relied upon to operate the crane. The individual crane's load chart, operating instructions and other instruction plates must be read and understood prior to operating the crane."**

## NOTES TO LIFTING CAPACITIES

### GENERAL:

1. Rated loads as shown on capacity chart pertain to this crane as originally manufactured and equipped. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity. Use only the jib or boom extension supplied with this crane. Do not substitute jibs or boom extensions without the written approval of Grove Manufacturing Co.
2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance shall be in compliance with the information in the Operator's and Safety Handbook. Service, Parts, and Rooding/Rigging manuals supplied with this crane. If these manuals are missing, order replacements from the manufacturer.
3. The operator and other personnel associated with this crane shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) Safety Standards for cranes.
4. **WARNING!** Do not attempt to operate this crane unless you have read and are thoroughly familiar with the Operator's and Safety Handbook, and Rooding/Rigging manuals.

### SETUP:

1. The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports of sufficient strength under the outrigger floats or tires to spread the load to a larger bearing surface.
2. For outrigger operation, outriggers shall be fully extended to 22 ft. 0 in. (6.7 m) width with tires raised free of crane weight before operating boom or lifting loads.
3. The front jack cylinder shall be set in accordance with the written procedure. See Carrier Operator's Safety Handbook Section 4.
4. With certain boom and hoist tackle combinations, maximum capacities may not be obtainable with standard cable lengths.
5. Rotation resistant wire rope is best suited for single line lifting operations. Consult the wire rope manufacturer for specific recommendations concerning multiple part reeving.
6. Consult the Rooding and Rigging Manual for the proper boom-counterweight configuration for jobsite moves.
7. **WARNING!** Never raise boom from ground, operate boom, or rotate upperstructure without consulting Rooding and Rigging manual to assure machine is in proper operating configuration. That is outriggers extended and set, or front axle lockouts engaged, and proper counterweights installed.
8. When lowering boom over rear, caution must be taken to assure boom does not contact carrier deck or rear outrigger. Blocking may be required under boom point.
9. **WARNING:** Never erect jibs unless outriggers are fully extended to 22 ft. 0 in. (6.7 m) and set.
10. **WARNING:** When erecting booms longer than 190 ft. (57.9 m) for 68A boom or 220 ft. (67.1 m) for 76A boom, Mid Point Suspension must be installed. Consult Rooding/Rigging manual for proper location of mid point suspension.

### OPERATION:

1. Rated loads at rated radius shall not be exceeded. Do not tip the machine to determine allowable loads. For clamshell and concrete bucket operation, see respective load charts.
2. All rated loads have been tested to and meet minimum requirements of SAE J-987 Crane Structures - Method of Test, and do not exceed the percentage of the tipping load shown on capacity charts as determined by SAE J-765, Crane Stability Test Code.
3. Rated loads include the weight of hook block, slings and auxiliary lifting devices and their combined weights shall be subtracted from the listed ratings to obtain the net load which may be lifted.
4. Load ratings are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
5. Rated loads do not account for wind on lifted load or boom. It is recommended when wind velocity is above 20 mph (32 km/h), rated loads and boom lengths be appropriately reduced.
6. Rated loads are for lift crane service only.
7. Do not operate at a radius or boom length where capacities are not listed. At these positions, the crane may over turn without any load on the hook.
8. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or boom length shall be used.
9. For safe operation, the user shall make due allowances for his particular job conditions, such as soft or uneven ground, high winds, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electric wires, etc. Side pull on boom or jib is extremely dangerous.
10. Handling of personnel from the boom is strictly prohibited.
11. Keep load handling devices a minimum of 18 in. (45.7 cm) below head at all times.
12. The boom angle before loading should be greater than the loaded boom angle to account for deflection.
13. Capacities appearing above the bold line or within shaded areas are based on structural strength and tipping should not be relied upon as a capacity limitation.
14. Radii less than 40 ft. (12 m) not recommended when lifting over the front of machine.

### DEFINITIONS:

1. Operating Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface before loading to the center of the vertical hoist line or tackle with load applied.
2. Loaded Boom Angle: Is the angle between the boom base section and the horizontal after lifting the rated load at the rated radius with the rated boom length.
3. Working Area: Areas measured in a circular arc about the centerline of rotation as shown on the working area diagram.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the lift cable.
5. Side Load: Horizontal force applied to the lifted load either on the ground or in the air.
6. No Load Stability Limit: The stability limit radius shown on the range diagram is the radius beyond which it is not permitted to position the boom plus block configuration, because machine can overturn without any load on the hook.

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IDENTIFICATION



## LINE PULLS & REEVING INFORMATION

HOISTS	WIRE ROPE SPECIFICATIONS	PERMISSIBLE LINE PULLS
FRONT Model H060A	1 in. 6x19, EIPS, IWRC	29,500 lbs.
REAR Model H060B	1 in. 6x19, EIPS, IWRC	29,500 lbs.
BOOM	1 in. 6x19, EIPS, IWRC	29,500 lbs.
AUXILIARY Model H030C	¾ in. 6x19, EIPS, IWRC	16,800 lbs.

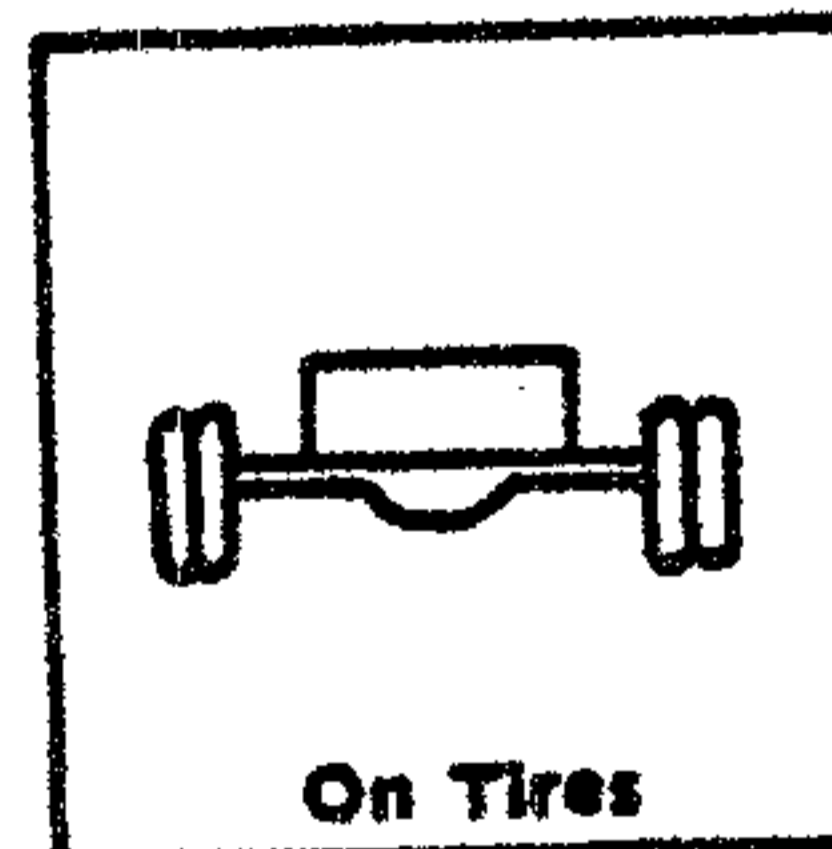
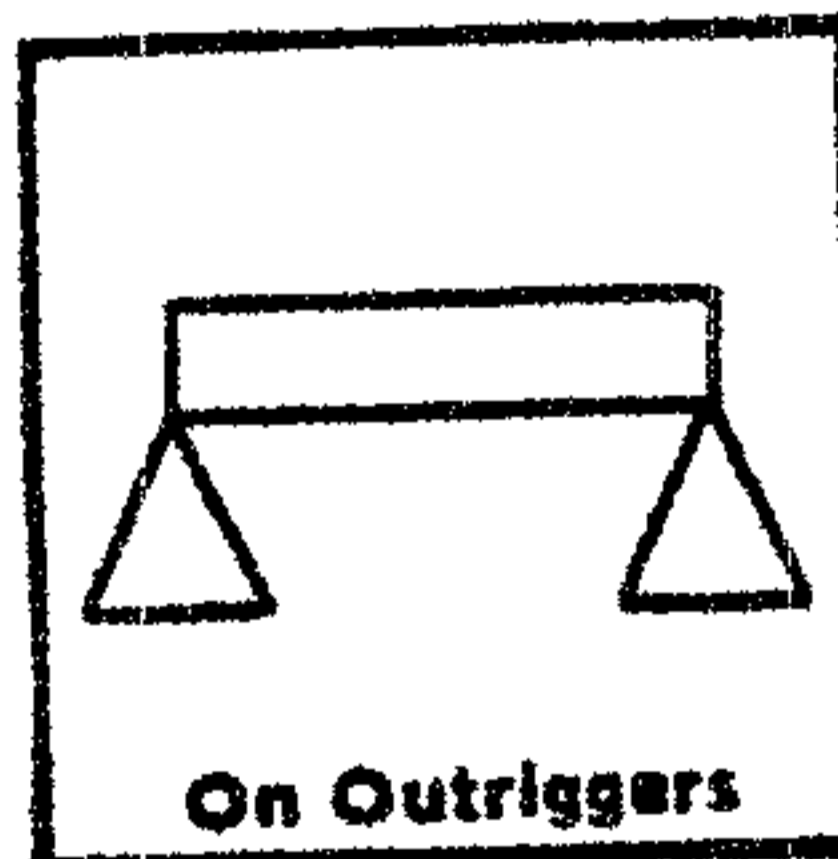
## WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

### HOOKBLOCKS:

150 Ton 6 Sheave . . .	3,600 lbs.
90 Ton 3 Sheave . . .	2,800 lbs.
30 Ton 1 Sheave . . .	1,200 lbs.
15 Ton Weight Hook . .	1,200 lbs.

**NOTE:** All Load Handling Devices and Boom Attachments are Considered Part of the Load and Suitable Allowances **MUST BE MADE** for Their Combined Weights. Weights are for Grove Furnished Equipment.

### SYMBOLS



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**LIFTING CAPACITY NOTES**  
**STABILITY - 85% ON OUTRIGGERS - 75% ON TIRES**  
**76A BOOM (76"x89")**

**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 85% of tipping loads on outriggers and 75% of tipping loads on tires as determined by test in accordance with SAE J765 OCT80.
3. Rated loads are applicable only with machine on a firm level surface.

**FOR MACHINE ON OUTRIGGERS:**

4. Rated loads are applicable only with outriggers fully extended and set with all tires clear of ground.
5. For 360° operation the front jack cylinder must be set in accordance with written procedure. See "Carrier Operator's and Safety Handbook, Section 4".
6. CAUTION: The maximum boom length that can be erected with no counterweight is 110 ft over side and 120 ft over rear. Boom lengths longer than those listed below for the specified upper counterweight require 'L' bumper counterweight and/or rear auxiliary stabilizers for erection over rear. Consult "Roading and Rigging Manual" for additional erection information. When the 'L' counterweight is required for erection, it should remain installed on the machine during operation. Refer also to the load chart being used for proper counterweight configuration.

Upper Counterweight	Over Side	Over Rear		
		'L' Counterweight or Auxiliary Stabilizers Boom Length	'L' Counterweight and Auxiliary Stabilizers Boom Length	'L' Counterweight and Auxiliary Stabilizers Maximum Allowable Boom
A	130 ft.	140 ft.	170 ft.	190 ft.
A+C	190 ft.	190 ft.	210 ft. ← up To	→ 240 ft.

Auxiliary stabilizers are to be used for erection only and not to increase capacity. With auxiliary stabilizers in place and set, tipping should not be relied upon as a capacity limitation over the rear.

**FOR MACHINE ON TIRES (STATIONARY):**

4. Rated loads are applicable to machine equipped with 14:00 x 24 (20 ply) bias ply tires at 115 psi cold inflation pressure or radial ply tires at 120 psi cold inflation pressure or 16:00 x 21 (22 ply) radial ply tires at 85 psi cold inflation pressure.
5. All lifting depends on proper tire inflation, capacity, and condition. Rated loads must be reduced for lower tire inflation pressures. Damaged tires are hazardous to safe operation of crane.
6. Rated loads are for a stationary machine. Do not travel with loads.
7. Front axles must be locked on both axles before lifting on tires over side or front.
8. CAUTION: Boom lengths longer than those listed below for the specified upper counterweights require lowering of the outriggers for erection.

Upper Counterweight	Erection Over Side	Erection Over Rear	Erection (Requires Outriggers) Maximum Allowable Boom Length
None	50 ft.	70 ft.	110 ft.
A	70 ft.	90 ft.	130 ft.
A+L	Not Allowed	110 ft.	130 ft.

**FOR MACHINE ON TIRES (PICK & CARRY):**

4. Rated loads are applicable to machine equipped with 14:00 x 24 (20 ply) bias ply or radial tires at 100 psi cold inflation pressure or 16:00 x 21 (22 ply) radial ply tires at 85 psi cold inflation pressure.
5. All lifting depends on proper tire inflation, capacity and condition. Rated loads must be reduced for lower tire inflation pressures. Damaged tires are hazardous to safe operation of crane.



6. For pick and carry operation, boom must be centered over rear of machine, mechanical swing lock engaged, and load restrained from swinging. When handling loads in the structural range with capacities close to maximum rating, travel should be reduced to creep speeds.
7. Creep - not over 200 ft. (61 m) of movement in any 30 minute period and not exceeding 1 mph (1.6 kph).

**MACHINE ON OUTRIGGERS 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 85% of tipping loads a determined by test in accordance with SAE J765 OCT80.
3. Rated loads are applicable only with machine on a firm level surface.
4. Rated loads are applicable only with outriggers fully extended and set with all tires clear of ground.
5. For 360 degree operation the front jack cylinder must be set in accordance with written procedure. See "Carrier Operator's and Safety Handbook, Section 4".

**32A JIB (32"x38")**

6. CAUTION: Boom-jib combinations longer than those listed below require 'L' bumper counterweight and/or auxiliary stabilizers for erection over rear. Consult "Roading and Rigging Manual" for additional erection information. When the 'L' counterweight is required for erection, it should remain installed on the machine during operation.

Upper Counterweight	Over Side BOOM + JIB Length (ft.)	Over Rear		
		'L' Counterweight or Auxiliary Stabilizers BOOM + JIB Length (ft.)	'L' Counterweight and Auxiliary Stabilizers BOOM + JIB Length (ft.)	'L' Counterweight and Auxiliary Stabilizers Maximum Allowable BOOM + JIB Length (ft.)
A+C	160 + 30	170 + 30	190 + 30	210 + 30
A+C	160 + 50	160 + 50	180 + 50	210 + 50
A+C	150 + 70	160 + 70	170 + 70	200 + 70
A+C	140 + 90	150 + 90	170 + 90	190 + 90

Auxiliary stabilizers are to be used for erection only and do not increase capacity. With auxiliary stabilizers in place and set tipping should not be relied upon as a capacity limitation over the rear.

**46A JIB (46"x59")**

6. CAUTION: Maximum allowable BOOM + JIB for erection. Consult "Roading and Rigging Manual" for additional erection information.

Upper Counterweight	Over Side		Over Rear			
	'L' Counterweight BOOM + JIB Length (ft.)	Min. Boom * Angle for Erection	'L' Counterweight		'L' Counterweight and Auxiliary Stabilizers	
			BOOM + JIB Length (ft.)	Min. Boom * Angle for Erection	BOOM + JIB Length (ft.)	Min. Boom * Angle for Erection
A+C	120 + 80	35°	140 + 80	35°	170 + 80	36°
A+C	140 + 100	45°	140 + 100	40°	170 + 100	40°
A+C	140 + 120	50°	140 + 120	50°	170 + 120	44°
A+C	140 + 140	60°	140 + 140	55°	170 + 140	50°
A+C			140 + 160	60°	170 + 160	54°

**\*WARNING!** Jib point must be allowed to roll on the ground until vertical when folded under boom or within 15° of vertic when extended beyond boom before picking jib point from ground. When minimum boom angle for erection is greater the boom angle that jib point leaves ground, boom must be elevated to minimum angle for erection before erecting jib.

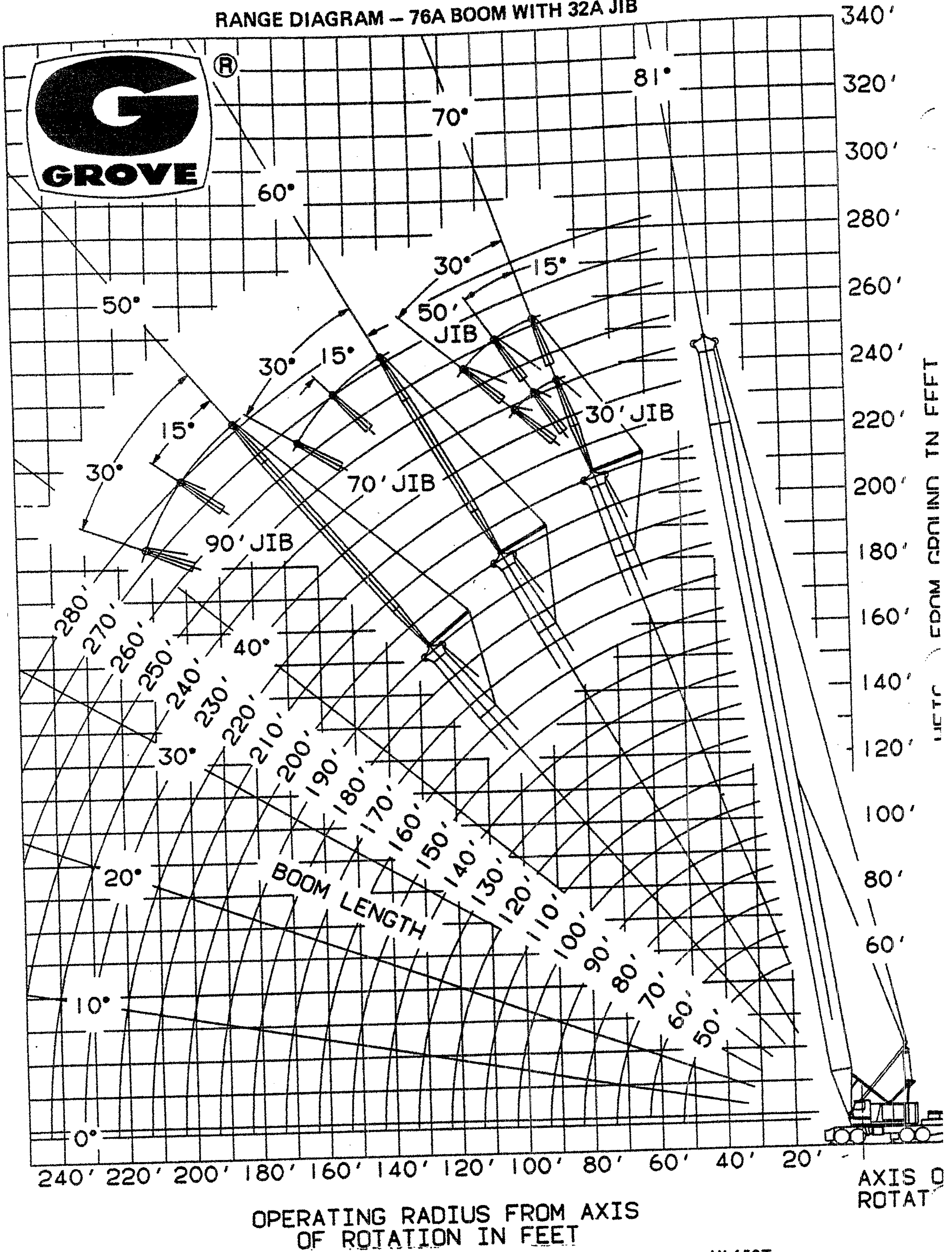
7. For 46A JIB, jib length must be a minimum of 10 ft. shorter than boom length to fold the jib under the boom.
8. **46A JIB CAUTION!** Do not operate jib above 75° when boom is vertical as jib may be overhauled by jib suspension.

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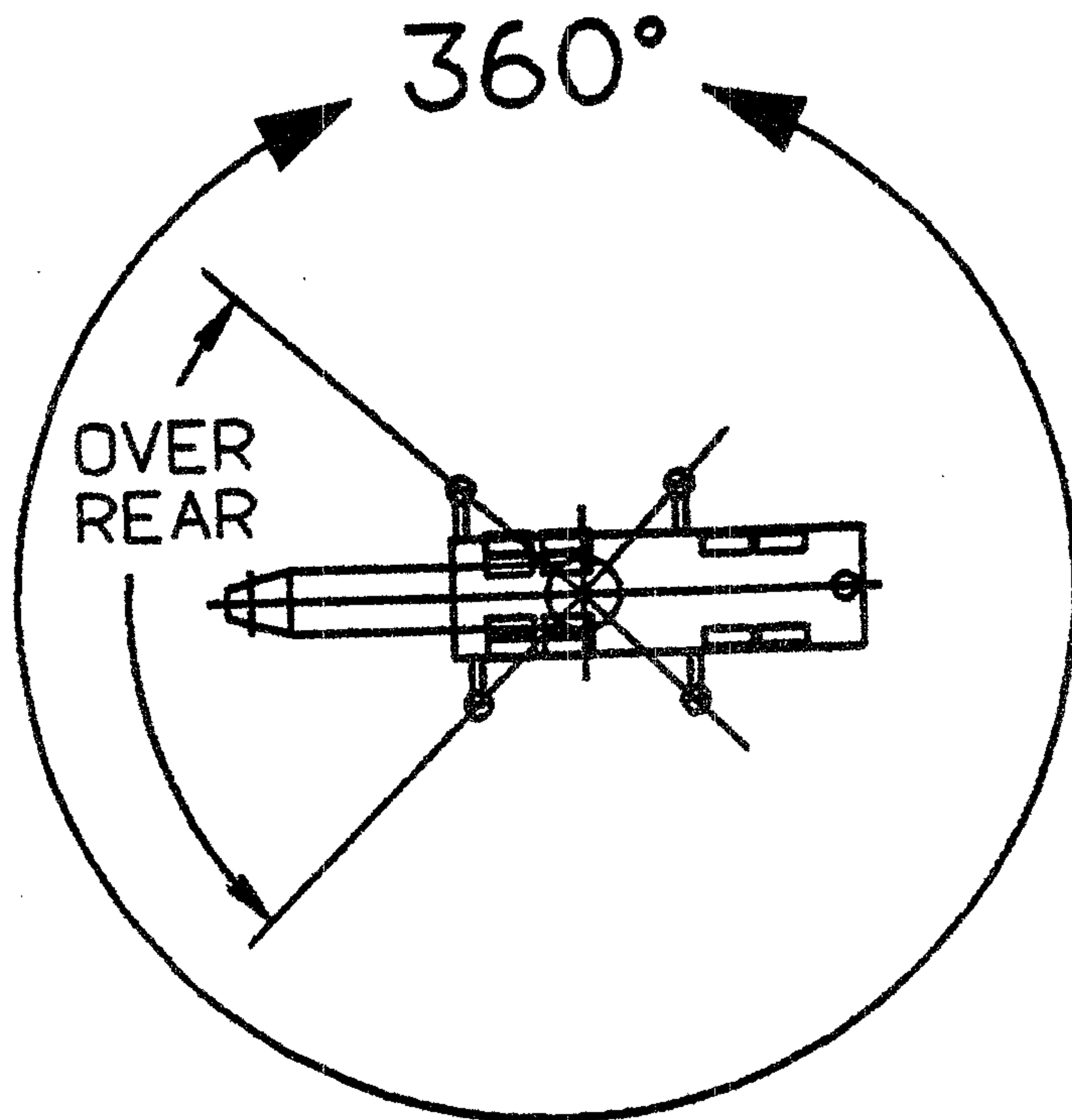
RANGE DIAGRAM - 76A BOOM WITH 32A JIB



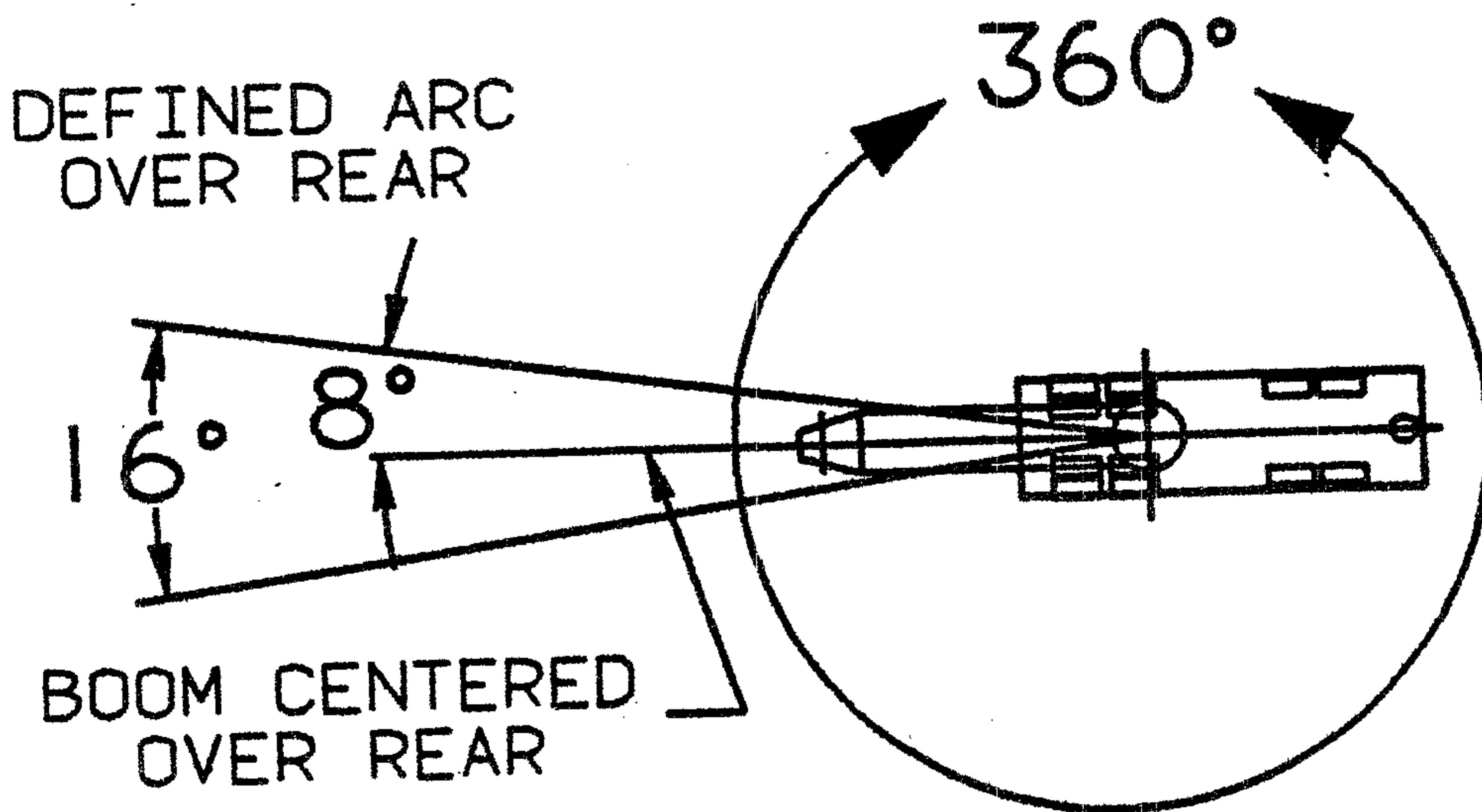
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LIFTING AREA DIAGRAM  
ON OUTRIGGERS



LIFTING AREA DIAGRAM  
ON TIRES

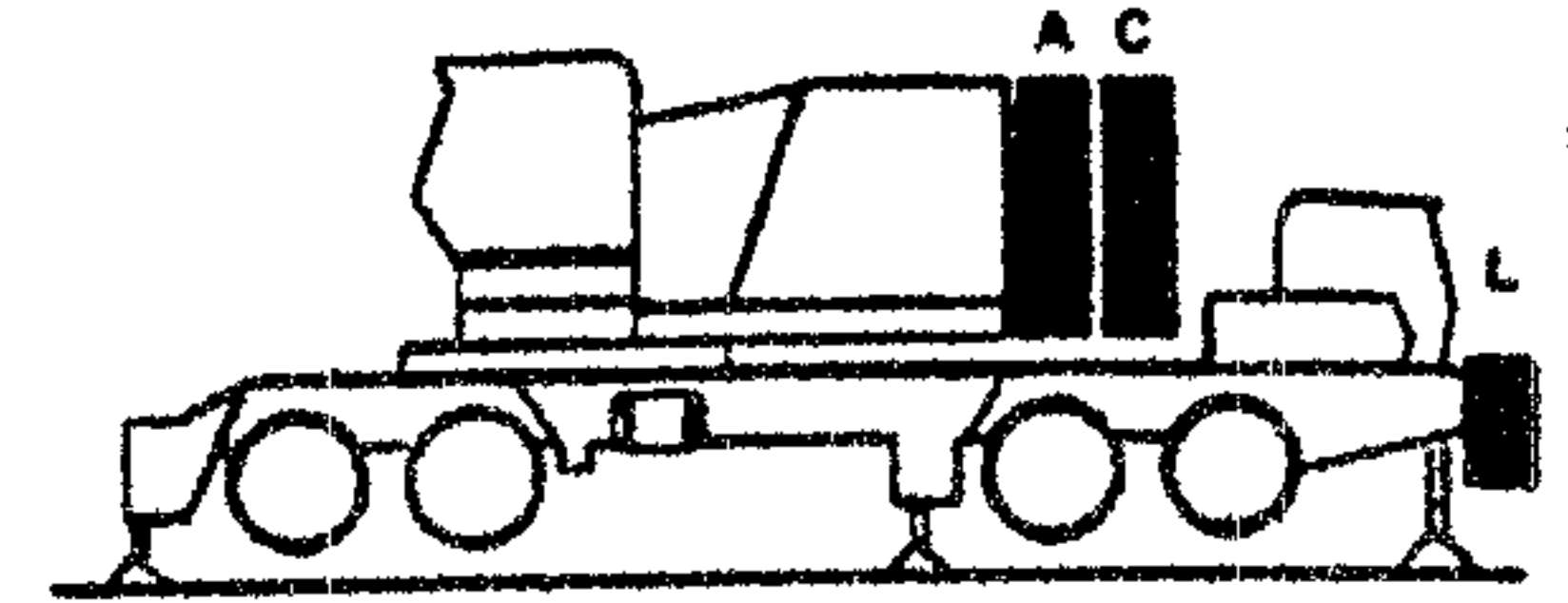


# 76A BOOM – ON OUTRIGGERS OVER REAR 85% STABILITY



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	300,000
40	13	81.3	46.9	294,600
40	14	79.8	46.6	272,900
40	15	78.3	46.3	254,300
40	16	76.8	46.0	237,800
40	17	75.3	45.7	223,400
40	18	73.8	45.3	210,500
40	19	72.2	44.9	199,100
40	20	70.7	44.5	188,700
40	25	62.6	41.8	149,300
40	30	53.7	38.1	122,900
40	35	43.4	32.9	104,100
40	40	29.9	24.9	89,800
50	13	83.0	57.0	293,800
50	14	81.9	56.9	272,100
50	15	80.7	56.6	253,500
50	16	79.5	56.4	237,000
50	17	78.3	56.1	222,600
50	18	77.1	55.8	209,700
50	19	75.9	55.5	198,300
50	20	74.7	55.2	187,900
50	25	68.6	53.2	148,500
50	30	62.1	50.5	122,200
50	35	55.1	46.8	103,400
50	40	47.3	42.4	89,300
50	45	38.2	36.2	77,400
50	50	26.2	27.0	66,500
60	15	82.3	66.8	253,100
60	16	81.3	66.6	236,600
60	17	80.3	66.4	222,300
60	18	79.3	66.2	209,300
60	19	78.4	65.9	197,900
60	20	77.4	65.7	187,500
60	25	72.3	64.0	148,100
60	30	67.2	61.8	121,900
60	35	61.7	59.1	103,200
60	40	55.9	55.7	89,000
60	45	49.7	51.5	77,600
60	50	42.7	46.1	66,700
60	60	23.6	28.8	51,500
70	17	81.7	76.6	222,000
70	18	80.9	76.4	209,100
70	19	80.1	76.2	197,700
70	20	79.2	76.0	187,300
70	25	75.0	74.6	147,900
70	30	70.6	72.8	121,700
70	35	66.1	70.5	103,000
70	40	61.5	67.8	88,800
70	45	56.6	64.4	77,600
70	50	51.3	60.4	66,800
70	60	39.2	49.5	51,700
70	70	21.6	30.5	41,400



**COUNTERWEIGHT CONFIGURATION**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
80	18	82.0	86.6	208,600
80	19	81.3	86.4	197,200
80	20	80.6	86.2	186,800
80	25	76.9	85.0	147,500
80	30	73.2	83.4	121,200
80	35	69.3	81.5	102,500
80	40	65.4	79.2	88,500
80	45	61.3	76.4	77,500
80	50	57.0	73.1	66,600
80	60	47.7	64.7	51,500
80	70	36.4	52.7	41,300
80	80	20.0	32.1	34,000
90	18	82.3	96.6	197,000
90	20	81.5	96.4	186,600
90	25	78.4	95.3	147,500
90	30	75.1	93.9	121,100
90	35	71.7	92.3	102,500
90	40	68.3	90.2	88,500
90	45	64.8	87.8	77,500
90	50	61.1	85.1	66,700
90	60	53.4	78.1	51,600
90	70	44.7	68.8	41,500
90	80	34.2	55.7	34,200
90	90	18.7	33.6	28,800
100	21	81.9	106.4	176,900
100	25	79.6	105.6	147,000
100	30	76.6	104.3	120,600
100	35	73.6	102.8	102,000
100	40	70.6	101.1	88,000
100	45	67.5	98.9	77,000
100	50	64.3	96.5	66,500
100	60	57.6	90.5	51,400
100	70	50.4	82.8	41,200
100	80	42.2	72.5	34,000
100	90	32.3	58.5	28,600
100	100	17.6	35.0	24,300
110	24	81.1	116.0	152,900
110	25	80.5	115.8	146,500
110	30	77.9	114.7	120,200
110	35	75.2	113.3	101,600
110	40	72.4	111.7	87,600
110	45	69.7	109.8	76,600
110	50	66.8	107.7	66,300
110	60	60.9	102.4	51,200
110	70	54.7	95.7	41,000
110	80	47.8	87.1	33,700
110	90	40.1	76.1	28,400
110	100	30.6	61.1	24,100
110	110	16.7	36.3	20,700
120	26	80.8	125.8	139,900
120	30	78.9	124.9	119,600
120	35	76.4	123.7	101,000
120	40	74.0	122.2	87,100
120	45	71.4	120.5	76,100
120	50	68.9	118.6	66,000
120	60	63.6	113.8	50,900
120	70	58.0	107.9	40,700
120	80	52.1	100.5	33,400
120	90	45.6	91.3	28,100
120	100	38.2	79.5	23,800
120	110	29.2	63.6	20,400
120	120	15.9	37.6	17,500
130	27	81.1	135.8	134,000
130	30	79.8	135.2	119,300
130	35	77.5	134.0	100,700
130	40	75.2	132.7	86,900
130	45	72.9	131.1	75,900
130	50	70.6	129.3	65,800
130	60	65.8	125.0	50,700
130	70	60.8	119.7	40,500
130	80	55.5	113.1	33,300
130	90	49.9	105.1	28,000
130	100	43.7	95.2	23,700
130	110	36.6	82.7	20,300
130	120	28.0	66.0	17,500
130	130	15.2	38.8	15,100
140	29	80.9	145.5	123,400
140	30	80.5	145.4	118,800
140	35	78.4	144.3	100,200
140	40	76.3	143.1	86,300
140	45	74.2	141.6	75,300
140	50	72.0	140.0	65,600
140	60	67.6	136.0	50,400
140	70	63.1	131.2	40,200
140	80	58.3	125.2	32,900
140	90	53.3	118.1	27,600
140	100	47.9	109.5	23,400
140	110	42.0	99.0	20,000
140	120	35.2	85.8	17,200
140	130	26.9	68.3	14,800
140	140	14.6	40.0	12,800
150	30	81.1	155.5	118,300
150	35	79.2	154.5	99,800
150	40	77.2	153.4	85,900
150	45	75.3	152.1	74,900
150	50	73.3	150.5	65,300
150	60	69.2	146.9	50,100
150	70	65.0	142.4	39,900
150	80	60.7	137.0	32,600
150	90	56.1	130.5	27,300
150	100	51.3	122.9	23,100
150	110	46.1	113.7	19,700
150	120	40.4	102.6	16,900
150	130	33.9	88.8	14,500
150	140	26.0	70.5	12,500
150	150	14.1	41.1	10,800

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

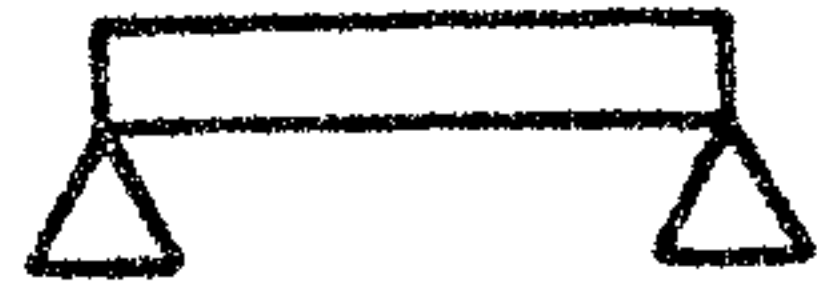
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

HL150T  
IDENTIFICATION

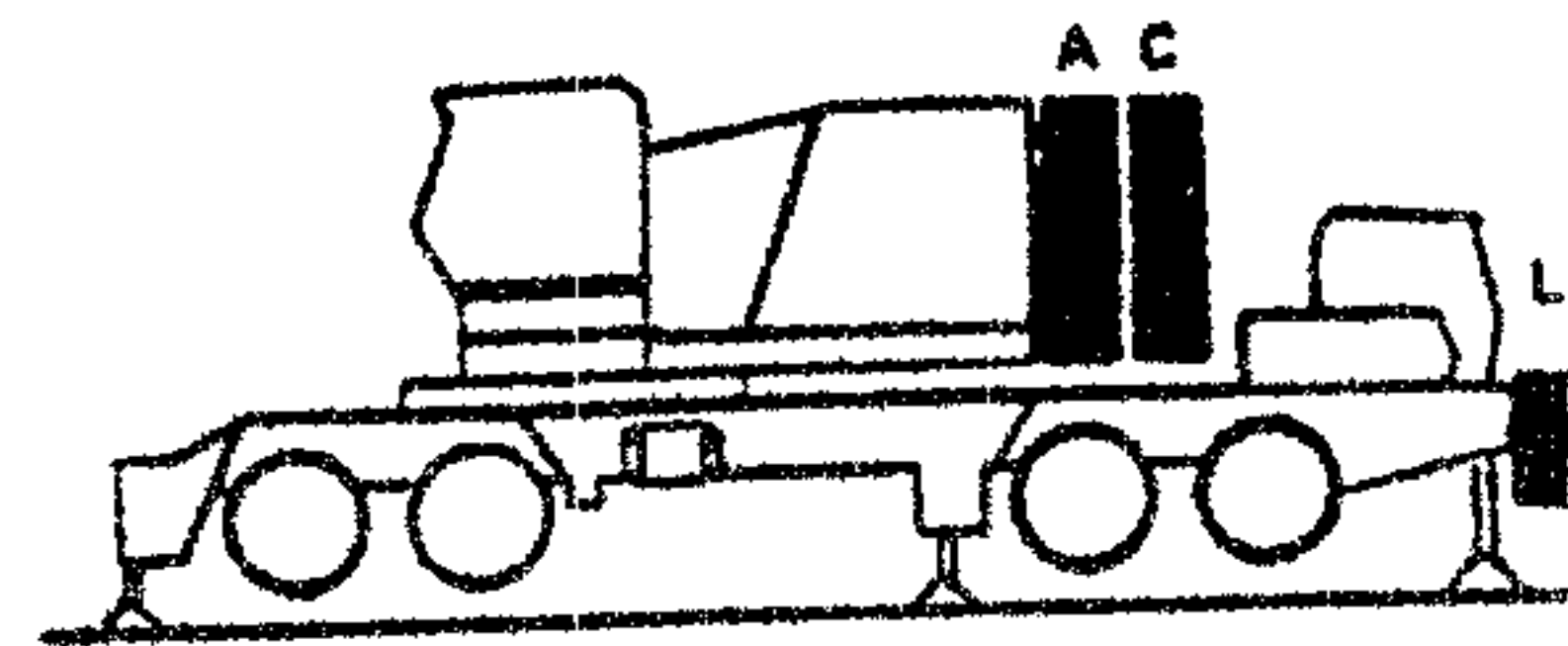


# 76A BOOM – ON OUTRIGGERS OVER REAR 85% STABILITY



## CAPACITY IN POUNDS WITH A C + L COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
160	32	81.0	165.3	109,800
160	35	79.9	164.8	99,200
160	40	78.1	163.7	85,400
160	45	76.2	162.4	74,400
160	50	74.3	161.0	65,000
160	60	70.6	157.6	49,800
160	70	66.7	153.5	39,600
160	80	62.7	148.5	32,300
160	90	58.5	142.6	27,000
160	100	54.2	135.6	22,700
160	110	49.5	127.4	19,300
160	120	44.6	117.8	16,500
160	130	39.1	106.1	14,200
160	140	32.8	91.7	12,200
160	150	25.1	72.7	10,500
160	160	13.6	42.2	9,000
170	34	80.8	175.1	102,200
170	35	80.5	174.9	98,900
170	40	78.8	173.9	85,000
170	45	77.0	172.8	74,000
170	50	75.3	171.4	64,700
170	60	71.8	168.3	49,600
170	70	68.1	164.4	39,300
170	80	64.4	159.8	32,000
170	90	60.6	154.3	26,800
170	100	56.6	148.0	22,500
170	110	52.4	140.5	19,100
170	120	47.9	131.9	16,300
170	130	43.1	121.7	14,000
170	140	37.8	109.5	12,000
170	150	31.7	94.5	10,300
170	160	24.3	74.8	8,800
170	170	13.1	43.3	7,500
180	35	81.0	185.1	98,300
180	40	79.4	184.1	84,500
180	45	77.8	183.0	73,500
180	50	76.1	181.8	64,500
180	60	72.8	178.8	49,300
180	70	69.4	175.2	39,000
180	80	66.0	170.9	31,700
180	90	62.4	165.8	26,400
180	100	58.7	159.9	22,100
180	110	54.8	153.1	18,700
180	120	50.8	145.2	15,900
180	130	46.5	136.1	13,600
180	140	41.8	125.4	11,600
180	150	36.7	112.7	9,900
180	160	30.8	97.2	8,400
180	170	23.6	76.8	7,100
180	180	12.7	44.3	6,000



## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
190	37	80.9	194.9	91,700
190	40	80.0	194.3	84,000
190	45	78.4	193.3	73,000
190	50	76.9	192.1	64,100
190	60	73.7	189.3	49,000
190	70	70.6	185.9	38,700
190	80	67.3	181.9	31,300
190	90	64.0	177.1	26,100
190	100	60.5	171.6	21,800
190	110	57.0	165.3	18,400
190	120	53.2	158.1	15,600
190	130	49.3	149.8	13,200
190	140	45.2	140.2	11,300
190	150	40.6	129.1	9,600
190	160	35.6	115.9	8,100
190	170	29.9	99.8	6,800
190	180	22.9	78.7	5,700
190	190	12.4	45.3	4,600
200	38	81.1	204.9	88,400
200	40	80.5	204.5	83,500
200	45	79.0	203.5	72,500
200	50	77.5	202.4	63,700
200	60	74.6	199.8	48,700
200	70	71.6	196.5	38,300
200	80	68.5	192.7	31,000
200	90	65.4	188.3	25,700
200	100	62.2	183.1	21,400
200	110	58.8	177.3	18,000
200	120	55.4	170.6	15,200
200	130	51.8	162.9	12,900
200	140	48.0	154.2	10,900
200	150	43.9	144.2	9,200
200	160	39.5	132.6	7,700
200	170	34.7	119.0	6,400
200	180	29.1	102.3	5,300
200	190	22.3	80.7	4,200
200	200	12.0	46.3	3,300
210	40	80.9	214.7	83,100
210	45	79.5	213.7	72,100
210	50	78.2	212.7	63,300
210	60	75.3	210.2	48,300
210	70	72.5	207.1	38,000
210	80	69.6	203.5	30,700
210	90	66.6	199.3	25,500
210	100	63.6	194.5	21,200
210	110	60.5	189.0	17,700
210	120	57.3	182.7	14,900
210	130	53.9	175.6	12,600
210	140	50.4	167.6	10,600
210	150	46.7	158.5	8,900
210	160	42.8	148.1	7,400
210	170	38.5	136.1	6,100
210	180	33.8	122.0	5,000
210	190	28.4	104.8	4,000
210	200	21.7	82.5	3,100
220	41	81.1	224.7	80,200
220	45	80.0	223.9	71,600
220	50	78.7	222.9	62,800
220	60	76.0	220.5	48,100
220	70	73.3	217.6	37,700
220	80	70.6	214.2	30,300
220	90	67.8	210.2	25,100
220	100	64.9	205.6	20,800
220	110	62.0	200.5	17,400
220	120	58.9	194.6	14,500
220	130	55.8	188.0	12,200
220	140	52.6	180.5	10,200
220	150	49.2	172.2	8,500
220	160	45.6	162.7	7,000
220	170	41.8	151.9	5,700
220	180	37.6	139.5	4,600
220	190	33.0	124.9	3,600
220	200	27.7	107.2	2,700
230	43	81.0	234.5	75,200
230	45	80.5	234.1	71,100
230	50	79.2	233.1	62,300
230	60	76.6	230.8	47,700
230	70	74.1	228.1	37,400
230	80	71.4	224.8	30,000
230	90	68.8	221.0	24,800
230	100	66.1	216.7	20,500
230	110	63.3	211.8	17,000
230	120	60.4	206.3	14,200
230	130	57.5	200.1	11,800
230	140	54.5	193.1	9,800
230	150	51.3	185.3	8,100
230	160	48.0	176.6	6,700
230	170	44.5	166.7	5,400
230	180	40.8	155.6	4,200
230	190	36.7	142.7	3,200
230	200	32.2	127.7	2,300

SEE NOTE 6! - FOR MACHINE ON  
OUTRIGGERS

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

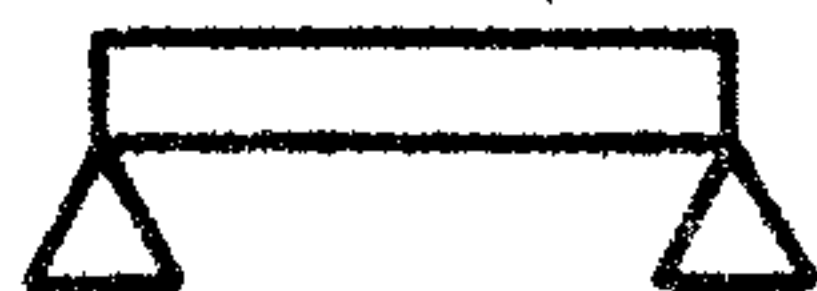
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

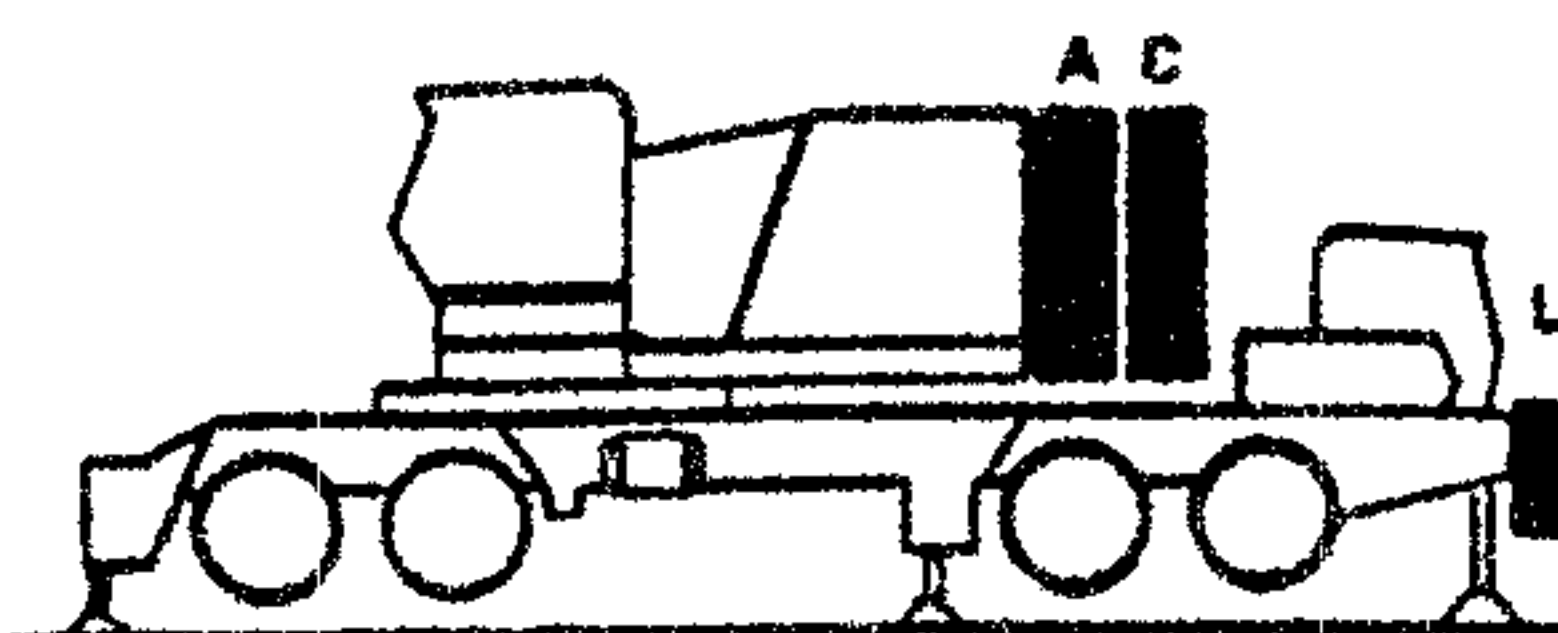
HL150T  
IDENTIFICATION



**76A BOOM – ON OUTRIGGERS OVER REAR  
85% STABILITY**



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

**BOOM LOAD BOOM SHEAVE RATED  
LGTH RAD ANG HGT LOAD**

**SEE NOTE 6! - FOR MACHINE ON OUTRIGGERS**

240	44	81.1	244.4	70,000
240	45	80.9	244.3	69,800
240	50	79.7	243.3	61,700
240	60	77.2	241.1	47,500
240	70	74.7	238.5	37,000
240	80	72.2	235.4	29,600
240	90	69.7	231.8	24,400
240	100	67.1	227.7	20,100
240	110	64.5	223.0	16,600
240	120	61.8	217.8	13,800
240	130	59.0	211.9	11,400
240	140	56.2	205.4	9,400
240	150	53.2	198.1	7,700
240	160	50.1	190.0	6,200
240	170	46.9	180.9	4,900
240	180	43.5	170.7	3,800
240	190	39.9	159.2	2,700

*Hook*

**DEDUCTION FROM RATED BOOM LOADS  
WHEN LIFTING OVER BOOM POINT WITH 32A JIB ATTACHED**

Jib Length in ft.	30		50		70		90
Boom Length in ft.	50-190	200-210	50-190	200-210	50-190	200	50-190
Deduct in lbs. No Hook on Jib	3,700	2,900	5,400	3,900	7,600	5,000	10,200
Deduct in lbs. With Max. 1,200 lbs. 1 Sheave Hook on Jib	5,500	4,100	7,700	5,200	10,300	6,300	13,400

**DEDUCTION FROM RATED BOOM LOADS  
WHEN LIFTING OVER BOOM POINT WITH 46A JIB ATTACHED**

Jib Length in ft.	80	100	120	140	160
Deduct in lbs. No Hook on Jib	13,100	15,100	17,800	20,400	23,400
Deduct in lbs. With Max. 1,200 lbs. 1 Sheave Hook on Jib	15,700	18,000	21,100	24,000	27,300

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

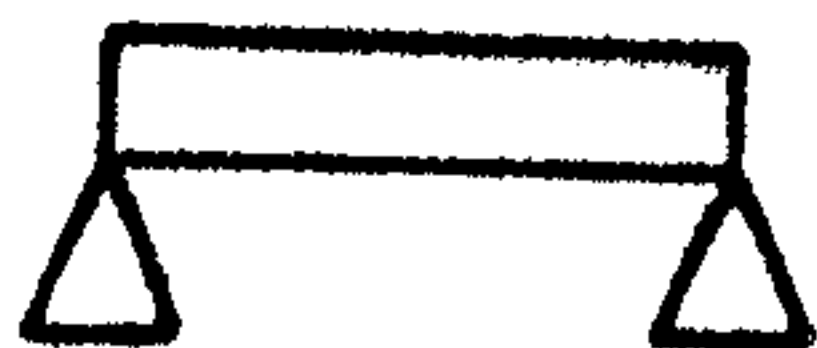
**READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.**

**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**

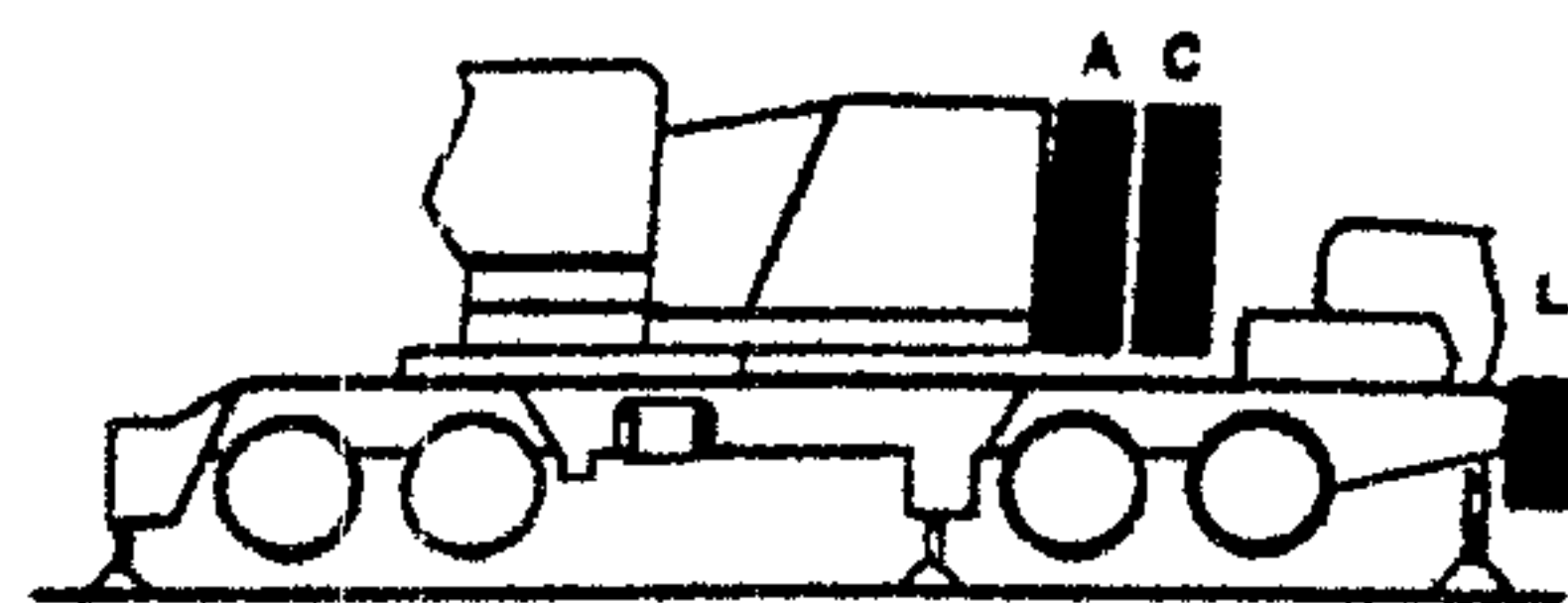


**76A BOOM – ON OUTRIGGERS 360°  
85% STABILITY**



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	300,000
40	13	81.3	46.9	294,500
40	14	79.8	46.6	272,900
40	15	78.3	46.3	254,300
40	16	76.8	46.0	237,800
40	17	75.3	45.7	223,400
40	18	73.8	45.3	210,500
40	19	72.2	44.9	199,100
40	20	70.7	44.5	188,700
40	25	62.6	41.8	149,300
40	30	53.7	38.1	122,900
40	35	43.4	32.9	99,500
40	40	29.9	24.9	81,000
50	13	83.0	57.0	293,800
50	14	81.9	56.9	272,100
50	15	80.7	56.6	253,500
50	16	79.5	56.4	237,000
50	17	78.3	56.1	222,600
50	18	77.1	55.8	209,700
50	19	75.9	55.5	198,300
50	20	74.7	55.2	187,900
50	25	68.6	53.2	148,500
50	30	62.1	50.5	122,200
50	35	55.1	46.9	99,700
50	40	47.3	42.4	81,100
50	45	38.2	36.2	67,900
50	50	26.2	27.0	58,000
60	15	82.3	66.8	253,100
60	16	81.3	66.6	236,600
60	17	80.3	66.4	222,300
60	18	79.3	66.2	209,300
60	19	78.4	65.9	197,900
60	20	77.4	65.7	187,500
60	25	72.3	64.0	148,100
60	30	67.2	61.8	121,900
60	35	61.7	59.1	99,900
60	40	55.9	55.7	81,300
60	45	49.7	51.5	68,100
60	50	42.7	46.1	58,300
60	60	23.6	28.8	44,500
70	17	81.7	76.6	222,000
70	18	80.9	76.4	209,100
70	19	80.1	76.2	197,700
70	20	79.2	76.0	187,300
70	25	75.0	74.6	147,900
70	30	70.6	72.8	121,700
70	35	66.1	70.5	100,000
70	40	61.5	67.8	81,400
70	45	56.6	64.4	68,200
70	50	51.3	60.4	58,400
70	60	39.2	49.5	44,700
70	70	21.6	30.5	35,500



**COUNTERWEIGHT CONFIGURATION**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
80	18	82.0	86.6	208,600
80	19	81.3	86.4	197,200
80	20	80.6	86.2	186,800
80	25	75.9	85.0	147,400
80	30	73.2	83.4	121,200
80	35	69.3	81.5	100,000
80	40	65.4	79.2	81,300
80	45	61.3	76.4	68,100
80	50	57.0	73.1	58,300
80	60	47.7	64.7	44,600
80	70	36.4	52.7	35,400
80	80	20.0	32.1	28,900
90	19	82.3	96.6	197,000
90	20	81.6	96.4	186,600
90	25	78.4	95.3	147,400
90	30	75.1	93.9	121,100
90	35	71.7	92.3	100,000
90	40	68.3	90.2	81,400
90	45	64.8	87.8	68,100
90	50	61.1	85.1	58,400
90	60	53.4	78.1	44,700
90	70	44.7	68.8	35,600
90	80	34.2	55.7	29,200
90	90	18.7	33.6	24,200
100	21	81.9	106.4	176,900
100	25	79.6	105.6	147,000
100	30	76.6	104.3	120,600
100	35	73.6	102.8	100,000
100	40	70.6	101.1	81,300
100	45	67.5	98.9	68,000
100	50	64.3	96.5	58,200
100	60	57.6	90.5	44,400
100	70	50.4	82.8	35,300
100	80	42.2	72.5	29,000
100	90	32.3	58.5	24,100
100	100	17.6	35.0	20,200
110	24	81.1	116.0	152,900
110	25	80.5	115.8	146,500
110	30	77.9	114.7	120,200
110	35	75.2	113.3	99,800
110	40	72.4	111.7	81,100
110	45	69.7	109.8	67,800
110	50	66.8	107.7	58,000
110	60	60.9	102.4	44,200
110	70	54.7	95.7	35,100
110	80	47.8	87.1	28,800
110	90	40.1	76.1	23,900
110	100	30.6	61.1	20,100
110	110	16.7	36.3	17,000
120	26	80.8	125.8	139,900
120	30	78.9	124.9	119,600
120	35	76.4	123.7	99,700

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
120	40	74.0	122.2	81,000
120	45	71.4	120.5	67,600
120	50	68.9	118.6	57,800
120	60	63.6	113.8	44,000
120	70	58.0	107.9	34,800
120	80	52.1	100.5	28,500
120	90	45.6	91.3	23,600
120	100	38.2	79.5	19,800
120	110	29.2	63.6	16,700
120	120	15.9	37.6	14,200
130	27	81.1	135.8	134,000
130	30	79.8	135.2	119,300
130	35	77.5	134.0	99,500
130	40	75.2	132.7	80,800
130	45	72.9	131.1	67,400
130	50	70.6	129.3	57,600
130	60	65.8	125.0	43,800
130	70	60.8	119.7	34,700
130	80	55.5	113.1	28,300
130	90	49.9	105.1	23,500
130	100	43.7	95.2	19,700
130	110	36.6	82.7	16,700
130	120	28.0	66.0	14,200
130	130	15.2	38.8	12,000
140	29	80.9	145.5	123,400
140	30	80.5	145.4	118,800
140	35	78.4	144.3	99,400
140	40	76.3	143.1	80,600
140	45	74.2	141.6	67,200
140	50	72.0	140.0	57,400
140	60	67.6	136.0	43,500
140	70	63.1	131.2	34,400
140	80	58.3	125.2	28,000
140	90	53.3	118.1	23,100
140	100	47.9	109.5	19,400
140	110	42.0	99.0	16,300
140	120	35.2	85.8	13,800
140	130	26.9	68.3	11,700
140	140	14.6	40.0	10,000
150	30	81.1	155.5	118,300
150	35	79.2	154.5	99,200
150	40	77.2	153.4	80,400
150	45	75.3	152.1	66,900
150	50	73.3	150.5	57,100
150	60	69.2	146.9	43,200
150	70	65.0	142.4	34,100
150	80	60.7	137.0	27,700
150	90	56.1	130.5	22,900
150	100	51.3	122.9	19,100
150	110	46.1	113.7	16,000
150	120	40.4	102.6	13,500
150	130	33.9	88.8	11,500
150	140	26.0	70.5	9,700
150	150	14.1	41.1	8,200

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

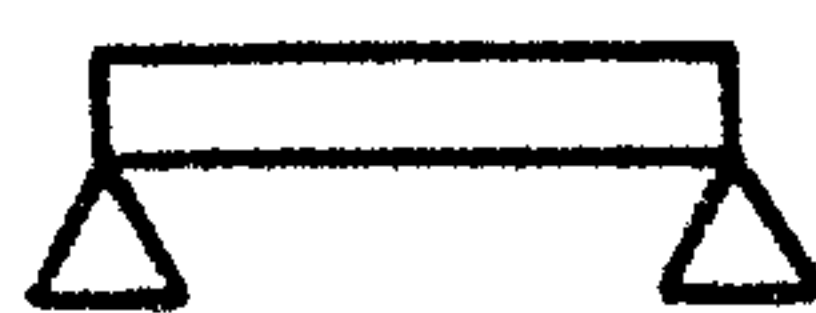
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

A6-829-800145  
Pg. 1 of 3

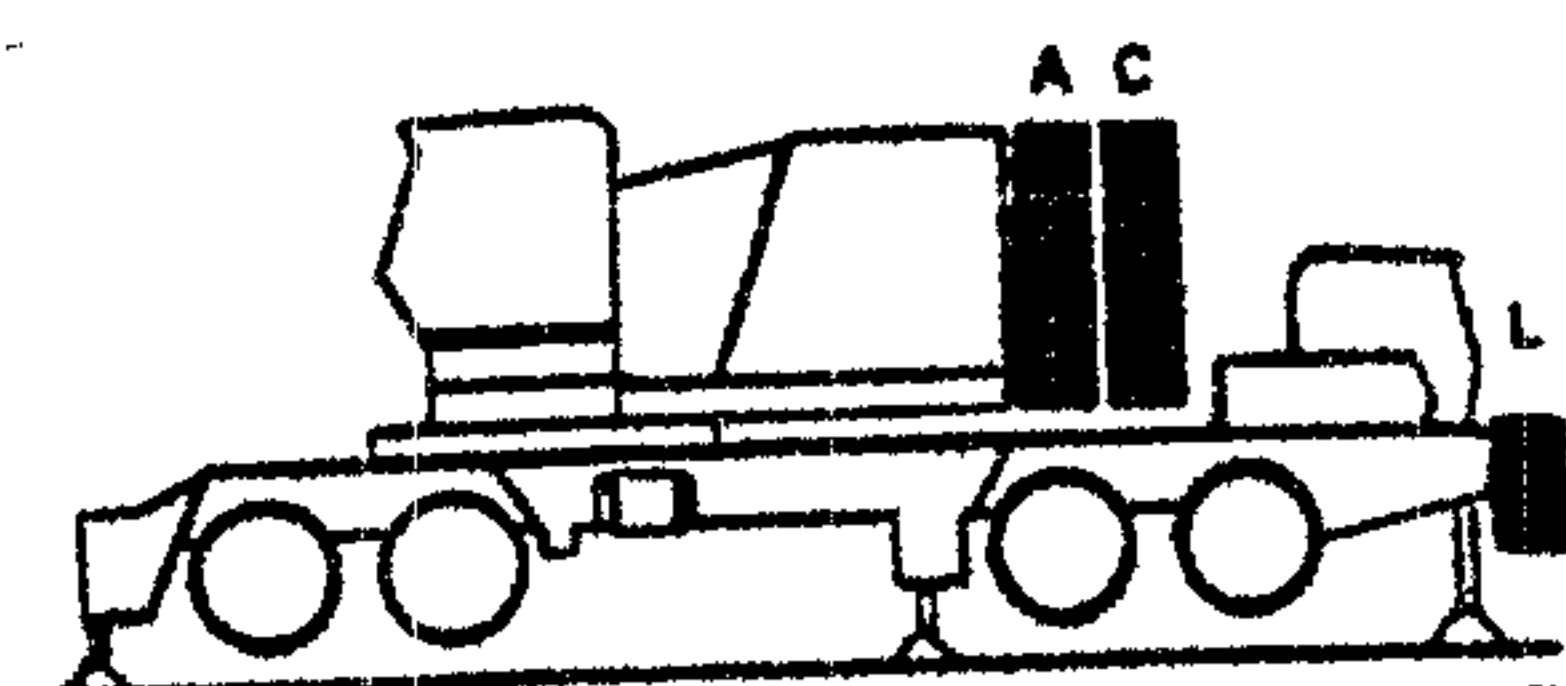
HL150T  
IDENTIFICATION

**76A BOOM – ON OUTRIGGERS 360°  
85% STABILITY**



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
160	32	81.0	165.3	109,800
160	35	79.9	164.8	99,100
160	40	78.1	163.7	80,200
160	45	76.2	162.4	66,700
160	50	74.3	161.0	56,900
160	60	70.6	157.6	43,000
160	70	66.7	153.5	33,700



**COUNTERWEIGHT CONFIGURATION**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
190	37	80.9	194.9	89,900
190	40	80.0	194.3	79,500
190	45	78.4	193.3	65,900
190	50	76.9	192.1	56,100
190	60	73.7	189.3	42,100
190	70	70.6	185.9	32,800
190	80	67.3	181.9	26,500
190	90	64.0	177.1	21,600

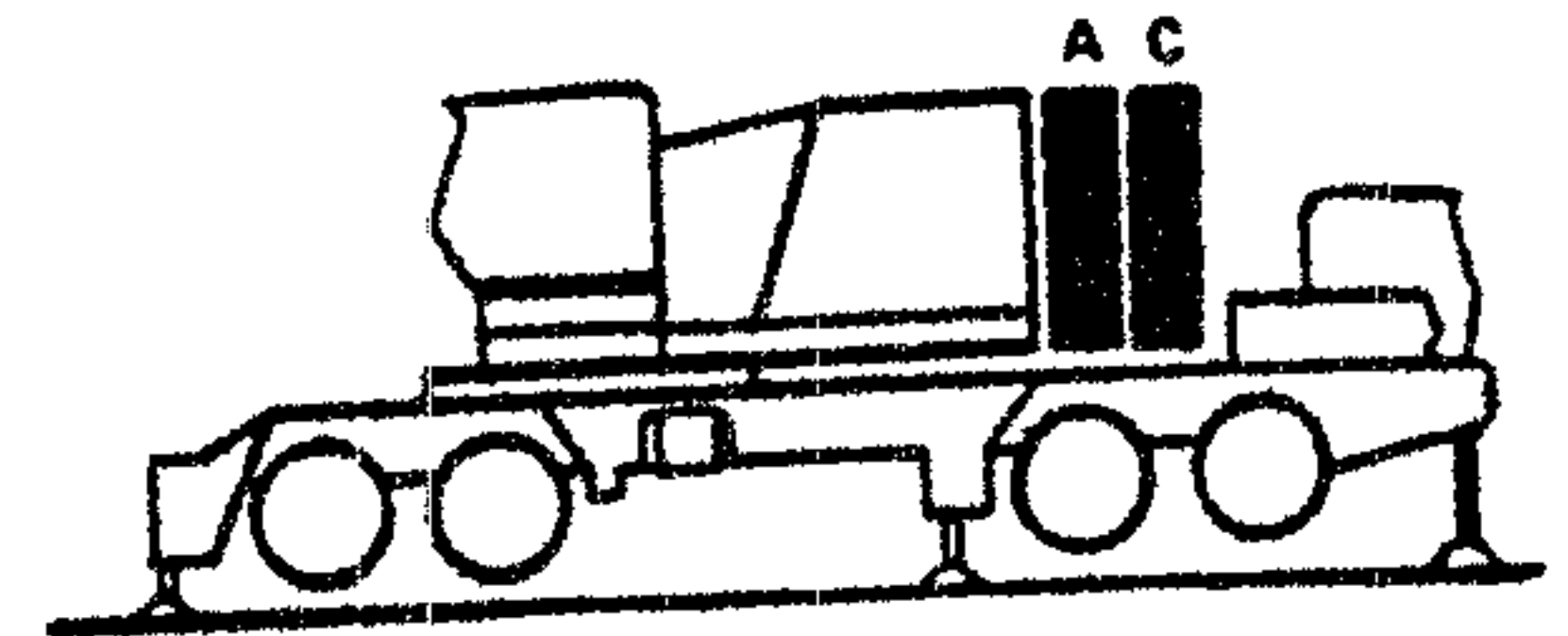
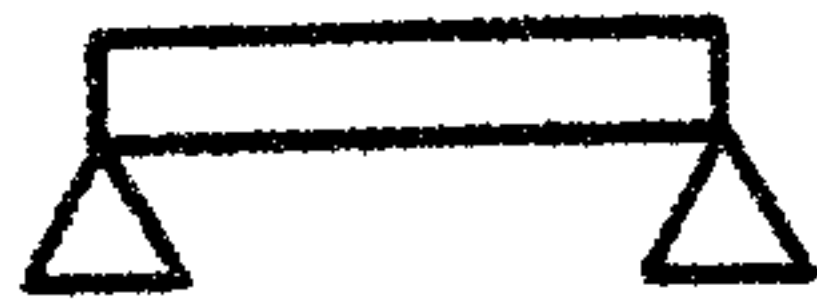
BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
210	160	42.8	148.1	5,000
210	170	38.5	136.1	3,800
210	180	33.8	122.0	2,800
220	41	81.1	224.7	75,700
220	45	80.0	223.9	65,200
220	50	78.7	222.9	55,400
220	60	76.0	220.5	41,200
220	70	73.3	217.6	31,900







# 76A BOOM - ON OUTRIGGERS OVER REAR 85% STABILITY



## CAPACITY IN POUNDS WITH A C COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	300,000
40	13	81.3	46.9	294,600
40	14	79.8	46.6	272,900
40	15	78.3	46.3	254,300
40	16	76.8	46.0	237,800
40	17	75.3	45.7	223,400
40	18	73.8	45.3	210,500
40	19	72.2	44.9	199,100
40	20	70.7	44.5	188,700
40	25	62.6	41.8	149,200
40	30	53.7	38.1	122,900
40	35	43.4	32.9	96,600
40	40	29.9	24.9	79,000
50	13	83.0	57.0	293,800
50	14	81.9	56.9	272,100
50	15	80.7	56.6	253,500
50	16	79.5	56.4	237,000
50	17	78.3	56.1	222,600
50	18	77.1	55.8	209,700
50	19	75.9	55.5	198,300
50	20	74.7	55.2	187,900
50	25	68.6	53.2	148,500
50	30	62.1	50.5	122,200
50	35	55.1	46.9	96,700
50	40	47.3	42.4	79,100
50	45	38.2	36.2	66,400
50	50	26.2	27.0	57,000
60	15	82.3	66.8	253,100
60	16	81.3	66.6	236,500
60	17	80.3	66.4	222,300
60	18	79.3	66.2	209,300
60	19	78.4	65.9	197,900
60	20	77.4	65.7	187,500
60	25	72.3	64.0	148,100
60	30	67.2	61.8	121,900
60	35	61.7	59.1	96,800
60	40	55.9	55.7	79,200
60	45	49.7	51.5	66,600
60	50	42.7	46.1	57,200
60	60	23.6	28.8	43,800
70	17	81.7	76.6	222,000
70	18	80.9	76.4	209,100
70	19	80.1	76.2	197,700
70	20	79.2	76.0	187,300
70	25	75.0	74.6	147,900
70	30	70.6	72.8	121,700
70	35	66.1	70.5	96,900
70	40	61.5	67.8	79,300
70	45	56.6	64.4	66,700
70	50	51.3	60.4	57,300
70	60	39.2	49.5	44,000
70	70	21.6	30.5	35,100

## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
80	18	82.0	86.6	208,600
80	19	81.3	86.4	197,200
80	20	80.6	86.2	186,800
80	25	76.9	85.0	147,400
80	30	73.2	83.4	121,200
80	35	69.3	81.5	96,900
80	40	65.4	79.2	79,200
80	45	61.3	76.4	66,500
80	50	57.0	73.1	57,100
80	60	47.7	64.7	43,800
80	70	36.4	52.7	35,000
80	80	20.0	32.1	28,600
90	19	82.3	96.6	197,000
90	20	81.6	96.4	186,600
90	25	78.4	95.3	147,400
90	30	75.1	93.9	121,100
90	35	71.7	92.3	96,900
90	40	68.3	90.2	79,300
90	45	64.8	87.8	66,600
90	50	61.1	85.1	57,200
90	60	53.4	78.1	43,900
90	70	44.7	68.8	35,100
90	80	34.2	55.7	28,800
90	90	18.7	33.6	24,000
100	21	81.9	106.4	176,900
100	25	79.6	105.6	147,000
100	30	76.6	104.3	120,600
100	35	73.6	102.8	96,800
100	40	70.6	101.1	79,100
100	45	67.5	98.9	66,400
100	50	64.3	96.5	57,000
100	60	57.6	90.5	43,700
100	70	50.4	82.8	34,800
100	80	42.2	72.5	28,600
100	90	32.3	58.5	23,800
100	100	17.6	35.0	20,000
110	24	81.1	116.0	152,900
110	25	80.5	115.8	146,500
110	30	77.9	114.7	120,200
110	35	75.2	113.3	96,700
110	40	72.4	111.7	78,900
110	45	69.7	109.8	66,200
110	50	66.8	107.7	56,800
110	60	60.9	102.4	43,500
110	70	54.7	95.7	34,600
110	80	47.8	87.1	28,400
110	90	40.1	76.1	23,600
110	100	30.6	61.1	19,900
110	110	16.7	36.3	16,800
120	26	80.8	125.8	139,900
120	30	78.9	124.9	119,600
120	35	76.4	123.7	96,500
120	40	74.0	122.2	78,800
120	45	71.4	120.5	66,000
120	50	68.9	118.6	56,600
120	60	63.6	113.8	43,200
120	70	58.0	107.9	34,300
120	80	52.1	100.5	28,100
120	90	45.6	91.3	23,300
120	100	38.2	79.5	19,600
120	110	29.2	63.6	16,600
120	120	15.9	37.6	14,100
130	27	81.1	135.8	134,000
130	30	79.8	135.2	119,300
130	35	77.5	134.0	96,300
130	40	75.2	132.7	78,600
130	45	72.9	131.1	65,800
130	50	70.6	129.3	56,400
130	60	65.8	125.0	43,000
130	70	60.8	119.7	34,100
130	80	55.5	113.1	28,000
130	90	49.9	105.1	23,200
130	100	43.7	95.2	19,500
130	110	36.6	82.7	16,500
130	120	28.0	66.0	14,000
130	130	15.2	38.8	11,900
140	29	80.9	145.5	123,400
140	30	80.5	145.4	118,800
140	35	78.4	144.3	96,200
140	40	76.3	143.1	78,400
140	45	74.2	141.6	65,600
140	50	72.0	140.0	56,200
140	60	67.6	136.0	42,800
140	70	63.1	131.2	33,800
140	80	58.3	125.2	27,600
140	90	53.3	118.1	22,900
140	100	47.9	109.5	19,100
140	110	42.0	99.0	16,100
140	120	35.2	85.8	13,700
140	130	26.9	68.3	11,600
140	140	14.6	40.0	9,900
150	30	81.1	155.5	118,300
150	35	79.2	154.5	95,900
150	40	77.2	153.4	78,100
150	45	75.3	152.1	65,300
150	50	73.3	150.5	55,900
150	60	69.2	146.9	42,500
150	70	65.0	142.4	33,500
150	80	60.7	137.0	27,400
150	90	56.1	130.5	22,600
150	100	51.3	122.9	18,800
150	110	46.1	113.7	15,800
150	120	40.4	102.6	13,400
150	130	33.9	88.8	11,400
150	140	26.0	70.5	9,600
150	150	14.1	41.1	8,100

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

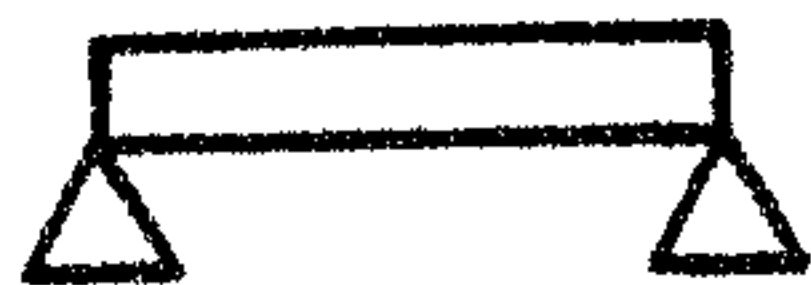
SERIAL NUMBER

A6-829-800146  
Pg. 1 of 2

HL150T  
IDENTIFICATION

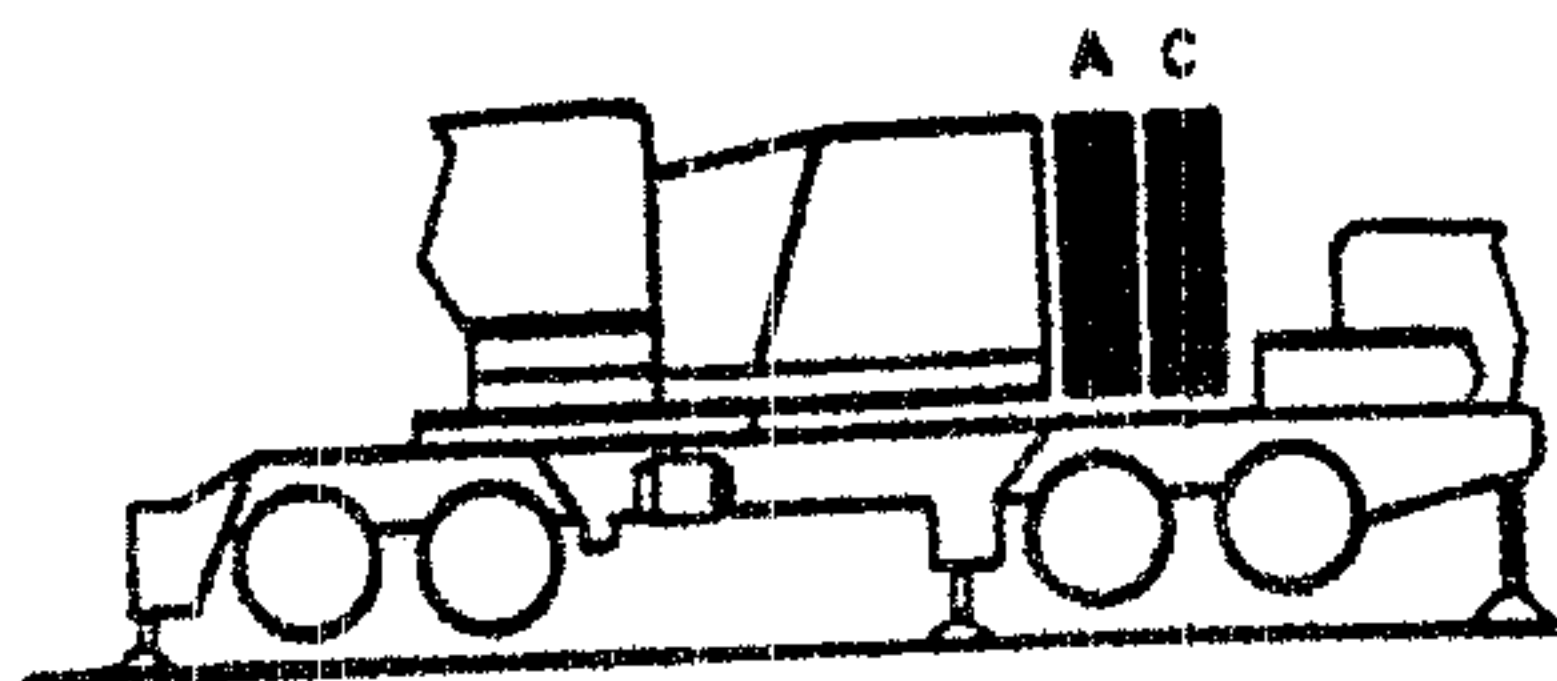


# 76A BOOM – ON OUTRIGGERS OVER REAR 85% STABILITY



## CAPACITY IN POUNDS WITH A C COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
160	32	81.0	165.3	109,800
160	35	79.9	164.8	95,800
160	40	78.1	163.7	78,000
160	45	76.2	162.4	65,100
160	50	74.3	161.0	55,700
160	60	70.6	157.6	42,200
160	70	66.7	153.5	33,200
160	80	62.7	148.5	27,000
160	90	58.5	142.6	22,200
160	100	54.2	135.6	18,500
160	110	49.5	127.4	15,500
160	120	44.6	117.8	13,000
160	130	39.1	106.1	11,000
160	140	32.8	91.7	9,200
160	150	25.1	72.7	7,700
160	160	13.6	42.2	6,400
170	34	80.8	175.1	100,000
170	35	80.5	174.9	95,500
170	40	78.8	173.9	77,600
170	45	77.0	172.8	64,800
170	50	75.3	171.4	55,400
170	60	71.8	168.3	41,900
170	70	68.1	164.4	32,900
170	80	64.4	159.8	26,800
170	90	60.6	154.3	22,000
170	100	56.6	148.0	18,200
170	110	52.4	140.5	15,300
170	120	47.9	131.9	12,800
170	130	43.1	121.7	10,800
170	140	37.8	109.5	9,000
170	150	31.7	94.5	7,500
170	160	24.3	74.8	6,300
170	170	13.1	43.3	5,100
180	35	81.0	185.1	95,400
180	40	79.4	184.1	77,500
180	45	77.8	183.0	64,500
180	50	76.1	181.8	55,100
180	60	72.8	178.8	41,600
180	70	69.4	175.2	32,600
180	80	66.0	170.9	26,500



## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
180	90	62.4	165.8	21,600
180	100	58.7	159.9	17,900
180	110	54.8	153.1	14,900
180	120	50.8	145.2	12,400
180	130	46.5	136.1	10,400
180	140	41.8	125.4	8,700
180	150	36.7	112.7	7,200
180	160	30.8	97.2	5,900
180	170	23.6	76.8	4,700
180	180	12.7	44.3	3,700
190	37	80.9	194.9	87,300
190	40	80.0	194.3	77,200
190	45	78.4	193.3	64,200
190	50	76.9	192.1	54,900
190	60	73.7	189.3	41,300
190	70	70.6	185.9	32,300
190	80	67.3	181.9	26,100
190	90	64.0	177.1	21,300
190	100	60.5	171.6	17,600
190	110	57.0	165.3	14,600
190	120	53.2	158.1	12,100
190	130	49.3	149.8	10,100
190	140	45.2	140.2	8,300
190	150	40.6	129.1	6,800
190	160	35.6	115.9	5,500
190	170	29.9	99.8	4,400
190	180	22.9	78.7	3,400
190	190	12.4	45.3	2,500
SEE NOTE 6! - FOR MACHINE ON OUTRIGGERS				
200	38	81.1	204.9	83,500
200	40	80.5	204.5	77,000
200	45	79.0	203.5	64,000
200	50	77.5	202.4	54,600
200	60	74.6	199.8	41,000
200	70	71.6	196.5	32,000
200	80	68.5	192.7	25,800
200	90	65.4	188.3	21,000
200	100	62.2	183.1	17,200
200	110	58.8	177.3	14,200
200	120	55.4	170.6	11,700
210	40	80.9	214.7	76,700
210	45	79.5	213.7	63,700
210	50	78.2	212.7	54,300
210	60	75.3	210.2	40,700
210	70	72.5	207.1	31,600
210	80	69.6	203.5	25,500
210	90	66.6	199.3	20,700
210	100	63.6	194.5	16,900
210	110	60.5	189.0	13,900
210	120	57.3	182.7	11,400
210	130	53.9	175.6	9,400
210	140	50.4	167.6	7,700
210	150	46.7	158.5	6,200
210	160	42.8	148.1	4,900
210	170	38.5	136.1	3,700
210	180	33.8	122.0	2,800
220	41	81.1	224.7	73,500
220	45	80.0	223.9	63,400
220	50	78.7	222.9	54,000
220	60	76.0	220.5	40,400
220	70	73.3	217.6	31,300
220	80	70.6	214.2	25,200
220	90	67.8	210.2	20,300
220	100	64.9	205.6	16,600
220	110	62.0	200.5	13,500
220	120	58.9	194.6	11,100
220	130	55.8	188.0	9,000
220	140	52.6	180.5	7,300
220	150	49.2	172.2	5,800
220	160	45.6	162.7	4,500
220	170	41.8	151.9	3,400
220	180	37.6	139.5	2,400

## DEDUCTION FROM RATED BOOM LOADS WHEN LIFTING OVER BOOM POINT WITH 32A JIB ATTACHED

Jib Length in ft.	30		50		70		90
	50-190	200-210	50-190	200-210	50-190	200	50-190
Deduct in lbs. No Hook on Jib	3,700	2,900	5,400	3,900	7,600	5,000	10,200
Deduct in lbs. With Max. 1,200 lbs. 1 Sheave Hook on Jib	5,500	4,100	7,700	5,200	10,300	6,300	13,400

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

HL150T  
IDENTIFICATION

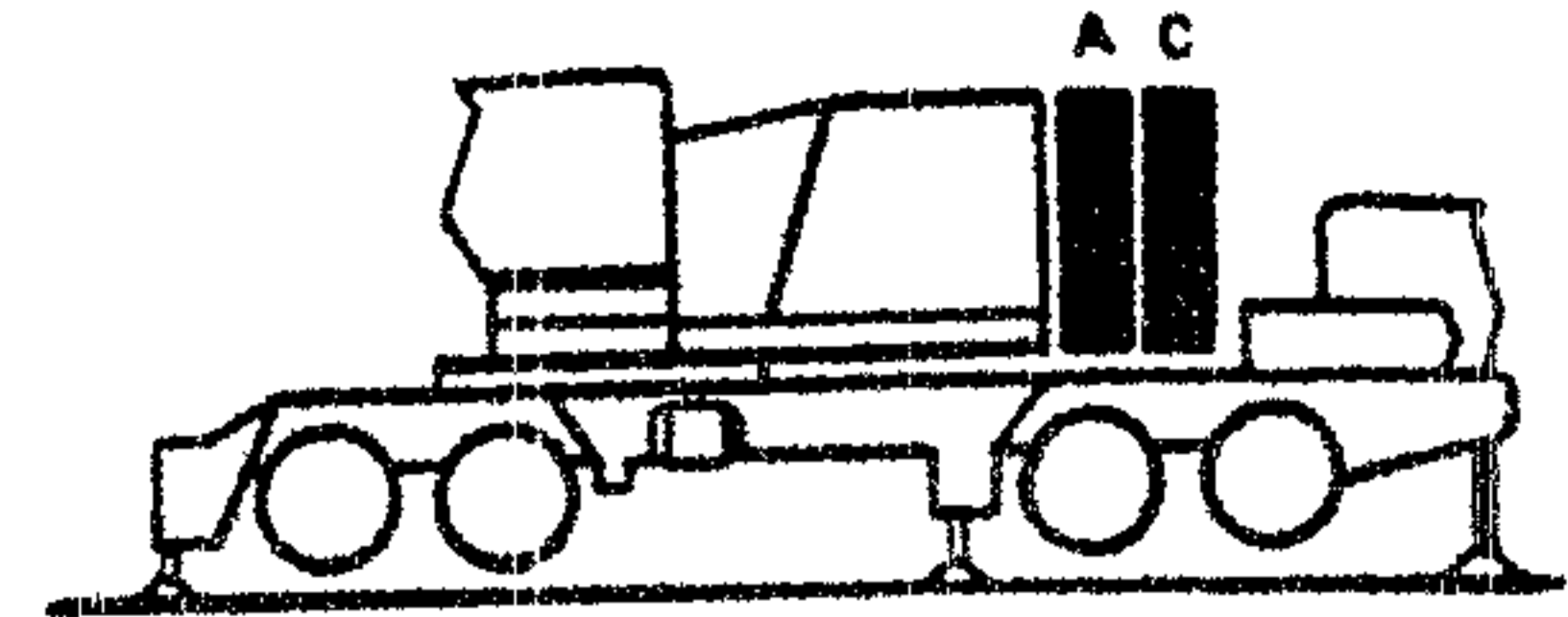


# 76A BOOM – ON OUTRIGGERS 360° 85% STABILITY



## CAPACITY IN POUNDS WITH A C COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	300,000
40	13	81.3	46.9	294,600
40	14	79.8	46.6	272,900
40	15	78.3	46.3	254,300
40	16	76.8	46.0	237,800
40	17	75.3	45.7	223,400
40	18	73.8	45.3	210,500
40	19	72.2	44.9	199,100
40	20	70.7	44.5	188,700
40	25	62.6	41.8	149,300
40	30	53.7	38.1	121,800
40	35	43.4	32.9	94,900
40	40	29.9	24.9	77,100
50	13	83.0	57.0	293,800
50	14	81.9	56.9	272,100
50	15	80.7	56.8	253,500
50	16	79.5	56.4	237,000
50	17	78.3	56.1	222,600
50	18	77.1	55.8	209,700
50	19	75.9	55.5	198,300
50	20	74.7	55.2	187,900
50	25	68.6	53.2	148,500
50	30	62.1	50.5	122,100
50	35	55.1	46.9	95,000
50	40	47.3	42.4	77,200
50	45	38.2	36.2	64,600
50	50	26.2	27.0	55,200
60	15	82.3	66.8	253,100
60	16	81.3	66.6	236,600
60	17	80.3	66.4	222,300
60	18	79.3	66.2	209,300
60	19	78.4	65.9	197,900
60	20	77.4	65.7	187,500
60	25	72.3	64.0	148,100
60	30	67.2	61.8	121,900
60	35	61.7	59.1	95,200
60	40	55.9	55.7	77,400
60	45	49.7	51.5	64,800
60	50	42.7	46.1	55,400
60	60	23.6	28.8	42,200
70	17	81.7	76.6	222,000
70	18	80.9	76.4	209,100
70	19	80.1	76.2	197,700
70	20	79.2	76.0	187,300
70	25	75.0	74.6	147,900
70	30	70.6	72.8	121,700
70	35	66.1	70.5	95,300
70	40	61.5	67.8	77,500
70	45	56.6	64.4	64,900
70	50	51.3	60.4	55,500
70	60	39.2	49.5	42,400
70	70	21.6	30.5	33,600



## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
80	18	82.0	86.6	208,600
80	19	81.3	86.4	197,200
80	20	80.6	86.2	186,800
80	25	76.9	85.0	147,500
80	30	73.2	83.4	121,200
80	35	69.3	81.5	95,300
80	40	65.4	79.2	77,500
80	45	61.3	76.4	64,800
80	50	57.0	73.1	55,400
80	60	47.7	64.7	42,300
80	70	36.4	52.7	33,500
80	80	20.0	32.1	27,300
90	19	82.3	96.6	197,000
90	20	81.6	96.4	186,600
90	25	78.4	95.3	147,400
90	30	75.1	93.9	121,100
90	35	71.7	92.3	95,400
90	40	68.3	90.2	77,500
90	45	64.8	87.8	64,800
90	50	61.1	85.1	55,500
90	60	53.4	78.1	42,400
90	70	44.7	68.8	33,700
90	80	34.2	55.7	27,500
90	90	18.7	33.6	22,800
100	21	81.9	106.4	176,900
100	25	79.6	105.6	147,000
100	30	76.6	104.3	120,600
100	35	73.6	102.8	95,300
100	40	70.6	101.1	77,400
100	45	67.5	98.9	64,700
100	50	64.3	96.5	55,300
100	60	57.6	90.5	42,100
100	70	50.4	82.8	33,400
100	80	42.2	72.5	27,300
100	90	32.3	58.5	22,600
100	100	17.6	35.0	18,900
110	24	81.1	116.0	152,900
110	25	80.5	115.8	146,500
110	30	77.9	114.7	120,200
110	35	75.2	113.3	95,200
110	40	72.4	111.7	77,200
110	45	69.7	109.8	64,500
110	50	66.8	107.7	55,100
110	60	60.9	102.4	41,900
110	70	54.7	95.7	33,200
110	80	47.8	87.1	27,100
110	90	40.1	76.1	22,500
110	100	30.6	61.1	18,800
110	110	16.7	36.3	15,900
120	26	80.8	125.8	139,900
120	30	78.9	124.9	119,600
120	35	76.4	123.7	95,100
120	40	74.0	122.2	77,100
120	45	71.4	120.5	64,300
120	50	68.9	118.6	54,900
120	60	63.6	113.8	41,700
120	70	58.0	107.9	32,900
120	80	52.1	100.5	26,800
120	90	45.6	91.3	22,200
120	100	38.2	79.5	18,500
120	110	29.2	63.6	15,600
120	120	15.9	37.6	13,200
130	27	81.1	135.8	134,000
130	30	79.8	135.2	119,300
130	35	77.5	134.0	94,800
130	40	75.2	132.7	76,900
130	45	72.9	131.1	64,100
130	50	70.6	129.3	54,700
130	60	65.8	125.0	41,500
130	70	60.8	119.7	32,800
130	80	55.5	113.1	26,700
130	90	49.9	105.1	22,000
130	100	43.7	95.2	18,400
130	110	36.6	82.7	15,500
130	120	28.0	66.0	13,100
130	130	15.2	38.8	11,100
140	29	80.9	145.5	123,400
140	30	80.5	145.4	118,800
140	35	78.4	144.3	94,800
140	40	76.3	143.1	76,800
140	45	74.2	141.6	63,900
140	50	72.0	140.0	54,500
140	60	67.6	136.0	41,200
140	70	63.1	131.2	32,500
140	80	58.3	125.2	26,400
140	90	53.3	118.1	21,700
140	100	47.9	109.5	18,100
140	110	42.0	99.0	15,200
140	120	35.2	85.8	12,800
140	130	26.9	68.3	10,800
140	140	14.6	40.0	9,100
150	30	81.1	155.5	118,300
150	35	79.2	154.5	94,500
150	40	77.2	153.4	76,500
150	45	75.3	152.1	63,600
150	50	73.3	150.5	54,300
150	60	69.2	146.9	41,000
150	70	65.0	142.4	32,200
150	80	60.7	137.0	26,100
150	90	56.1	130.5	21,400
150	100	51.3	122.9	17,800
150	110	46.1	113.7	14,900
150	120	40.4	102.6	12,500
150	130	33.9	88.8	10,500
150	140	26.0	70.5	8,800
150	150	14.1	41.1	7,400

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

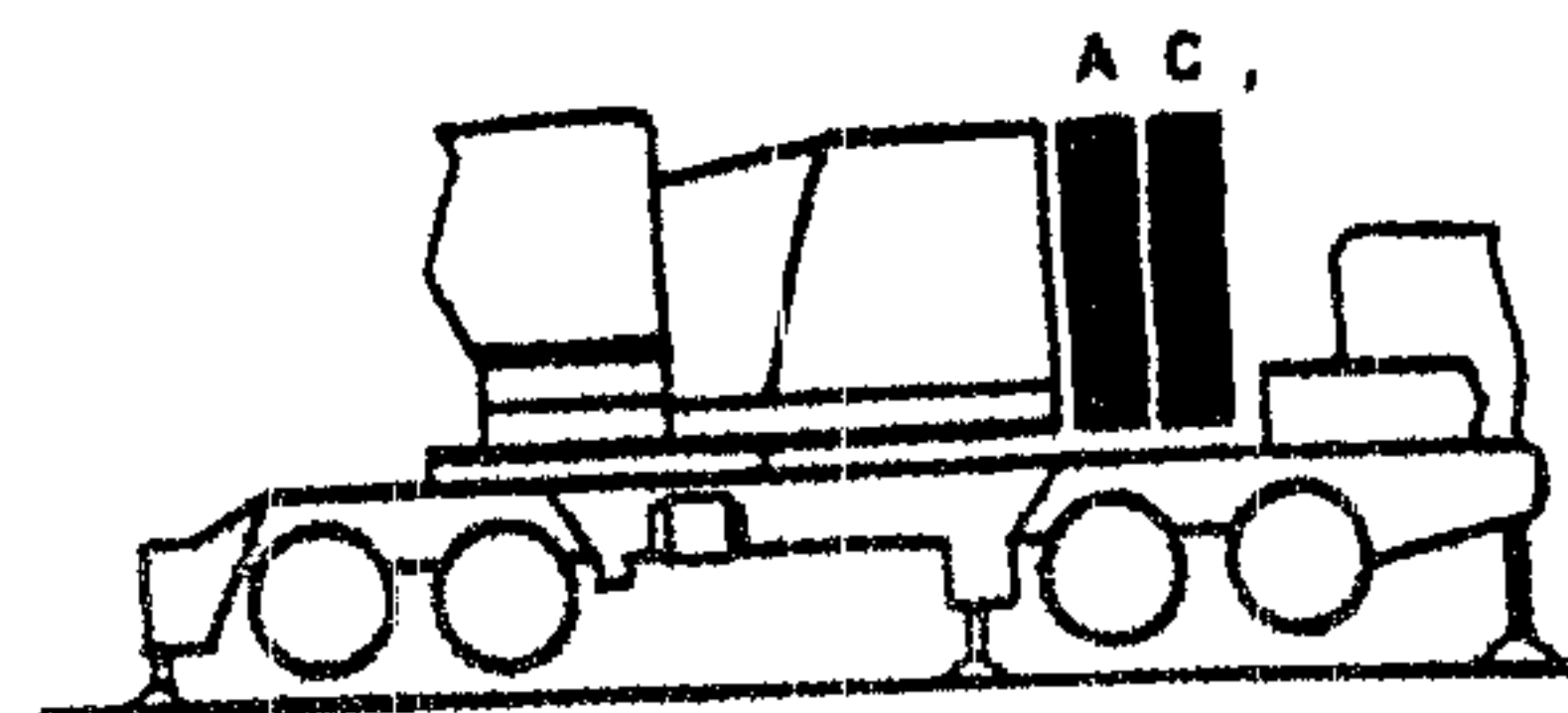
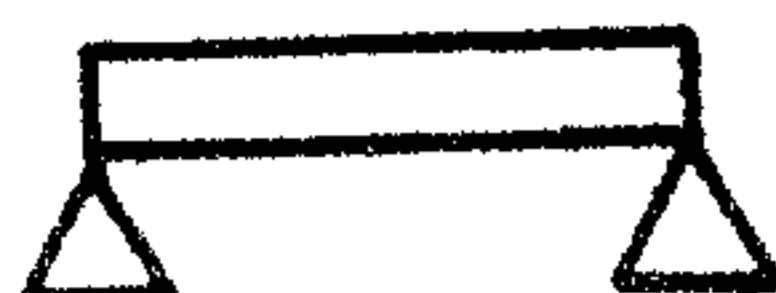
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

IDENTIFICATION



# 76A BOOM - ON OUTRIGGERS 360° 85% STABILITY



## CAPACITY IN POUNDS WITH A C COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
160	32	81.0	165.3	109,600
160	35	79.9	164.8	94,400
160	40	78.1	163.7	76,400
160	45	76.2	162.4	63,400
160	50	74.3	161.0	54,000
160	60	70.6	157.6	40,700
160	70	66.7	153.5	31,800
160	80	62.7	148.5	25,800
160	90	58.5	142.6	21,100
160	100	54.2	135.6	17,400
160	110	49.5	127.4	14,500
160	120	44.6	117.8	12,100
160	130	39.1	106.1	10,200
160	140	32.8	91.7	8,500
160	150	25.1	72.7	7,000
160	160	13.6	42.2	5,700
170	34	80.8	175.1	98,700
170	35	80.5	174.9	94,100
170	40	78.8	173.9	76,000
170	45	77.0	172.8	63,100
170	50	75.3	171.4	53,800
170	60	71.8	168.3	40,400
170	70	68.1	164.4	31,600
170	80	64.4	159.8	25,600
170	90	60.6	154.3	20,900
170	100	56.6	148.0	17,200
170	110	52.4	140.5	14,300
170	120	47.9	131.9	11,900
170	130	43.1	121.7	10,000
170	140	37.8	109.5	8,300
170	150	31.7	94.5	6,800
170	160	24.3	74.8	5,600
170	170	13.1	43.3	4,500
180	35	81.0	185.1	94,000
180	40	79.4	184.1	75,900
180	45	77.8	183.0	62,900
180	50	76.1	181.8	53,500
180	60	72.8	178.8	40,100

## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD	BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
180	70	69.4	175.2	31,300	SEE NOTE 6! - FOR MACHINE ON OUTRIGGERS				
180	80	66.0	170.9	25,200					
180	90	62.4	165.8	20,500					
180	100	58.7	159.9	16,900					
180	110	54.8	153.1	14,000					
180	120	50.8	145.2	11,600					
180	130	46.5	136.1	9,600					
180	140	41.8	125.4	7,900					
180	150	36.7	112.7	6,500					
180	160	30.8	97.2	5,200					
180	170	23.6	76.8	4,100					
180	180	12.7	44.3	3,100					
190	37	80.9	194.9	85,800					
190	40	80.0	194.3	75,600					
190	45	78.4	193.3	62,600					
190	50	76.9	192.1	53,300					
190	60	73.7	189.3	39,800					
190	70	70.6	185.9	30,900					
190	80	67.3	181.9	24,900					
190	90	64.0	177.1	20,200					
190	100	60.5	171.6	16,500					
190	110	57.0	165.3	13,600					
190	120	53.2	158.1	11,200					
190	130	49.3	149.8	9,200					
190	140	45.2	140.2	7,600					
190	150	40.6	129.1	6,100					
190	160	35.6	115.9	4,900					
190	170	29.9	99.8	3,800					
190	180	22.9	78.7	2,800					
SEE NOTE 6! - FOR MACHINE ON OUTRIGGERS					200	41	81.1	224.7	72,000
200	38	81.1	204.9	82,100	220	45	80.0	223.9	61,900
200	40	80.5	204.5	75,500	220	50	78.7	222.9	52,500
200	45	79.0	203.5	62,400	220	60	76.0	220.5	38,900
200	50	77.5	202.4	53,000	220	70	73.3	217.6	30,000
200	60	74.6	199.8	39,500	220	80	70.6	214.2	24,000
200	70	71.6	196.5	30,600	220	90	67.8	210.2	19,200
200	80	68.5	192.7	24,600	220	100	64.9	205.6	15,600
200	90	65.4	188.3	19,900	220	110	62.0	200.5	12,600
200	100	62.2	183.1	16,200	220	120	58.9	194.6	10,200
					220	130	55.8	188.0	8,200
					220	140	52.6	180.5	6,500
					220	150	49.2	172.2	5,100
					220	160	45.6	162.7	3,800
					220	170	41.8	151.9	2,700

## DEDUCTION FROM RATED BOOM LOADS WHEN LIFTING OVER BOOM POINT WITH 32A JIB ATTACHED

Jib Length in ft.	30		50		70		90
	50-190	200-210	50-190	200-210	50-190	200	50-190
Deduct in lbs. No Hook on Jib	3,700	2,900	5,400	3,900	7,600	5,000	10,200
Deduct in lbs. with Max. 1,200 lbs. 1 Sheave Hook on Jib	5,500	4,100	7,700	5,200	10,300	6,300	13,400

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

HL150T  
IDENTIFICATION

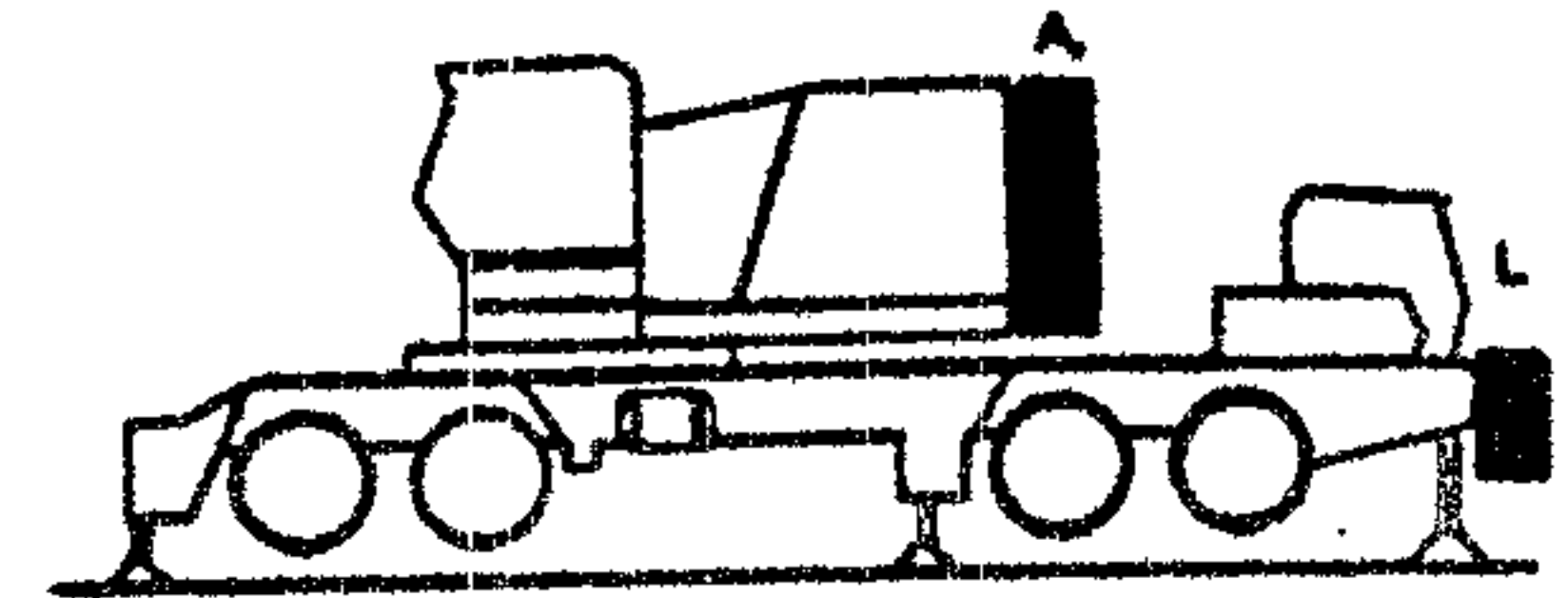


# 76A BOOM – ON OUTRIGGERS OVER REAR 85% STABILITY



## CAPACITY IN POUNDS WITH A + L COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	265,700
40	13	81.3	46.9	244,700
40	14	79.8	46.6	226,700
40	15	78.3	46.3	211,000
40	16	76.8	46.0	197,400
40	17	75.3	45.7	185,200
40	18	73.8	45.5	174,600
40	19	72.2	44.9	164,900
40	20	70.7	44.5	156,200
40	25	62.6	41.8	123,300
40	30	53.7	38.1	96,100
40	35	43.4	32.9	75,100
40	40	29.9	24.9	61,100
50	13	83.0	57.0	243,900
50	14	81.9	56.9	225,900
50	15	80.7	56.6	210,200
50	16	79.5	56.4	196,600
50	17	78.3	56.1	184,500
50	18	77.1	55.8	173,800
50	19	75.9	55.5	164,200
50	20	74.7	55.2	155,500
50	25	68.6	53.2	122,600
50	30	62.1	50.5	96,200
50	35	55.1	46.9	75,200
50	40	47.3	42.4	61,200
50	45	38.2	36.2	51,200
50	50	26.2	27.0	43,500
60	15	82.3	66.8	209,900
60	16	81.3	66.6	196,200
60	17	80.3	66.4	184,100
60	18	79.3	66.2	173,500
60	19	78.4	65.9	163,800
60	20	77.4	65.7	155,100
60	25	72.3	64.0	122,200
60	30	67.2	61.8	96,500
60	35	61.7	59.1	75,400
60	40	55.9	55.7	61,300
60	45	49.7	51.5	51,300
60	50	42.7	46.1	43,800
60	60	23.6	28.8	33,100
70	17	81.7	76.6	183,900
70	18	80.9	76.4	173,200
70	19	80.1	76.2	163,600
70	20	79.2	76.0	154,900
70	25	75.0	74.6	122,000
70	30	70.6	72.8	96,700
70	35	66.1	70.5	75,500
70	40	61.5	67.8	61,400
70	45	56.6	64.4	51,400
70	50	51.3	60.4	43,900
70	60	39.2	49.5	33,300
70	70	21.6	30.5	26,200



## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
80	18	82.0	86.6	172,800
80	19	81.3	86.4	163,100
80	20	80.6	86.2	154,400
80	25	76.9	85.0	121,600
80	30	73.2	83.4	96,700
80	35	69.3	81.5	75,500
80	40	65.4	79.2	61,300
80	45	61.3	76.4	51,300
80	50	57.0	73.1	43,700
80	60	47.7	64.7	33,100
80	70	36.4	52.7	26,100
80	80	20.0	32.1	20,900
90	19	82.3	96.6	163,000
90	20	81.6	96.4	154,300
90	25	78.4	95.3	121,500
90	30	75.1	93.9	96,700
90	35	71.7	92.3	75,500
90	40	68.3	90.2	61,400
90	45	64.8	87.8	51,400
90	50	61.1	85.1	43,800
90	60	53.4	78.1	33,200
90	70	44.7	68.8	26,300
90	80	34.2	55.7	21,200
90	90	18.7	33.6	17,300
100	21	81.9	106.4	146,100
100	25	79.6	105.6	121,000
100	30	76.6	104.3	96,700
100	35	73.6	102.8	75,500
100	40	70.6	101.1	61,200
100	45	67.5	98.9	51,200
100	50	64.3	96.5	43,600
100	60	57.6	90.5	33,000
100	70	50.4	82.8	26,000
100	80	42.2	72.5	21,000
100	90	32.3	58.5	17,100
100	100	17.6	35.0	14,100
110	24	81.1	116.0	126,000
110	25	80.5	115.8	120,500
110	30	77.9	114.7	96,600
110	35	75.2	113.3	75,300
110	40	72.4	111.7	61,000
110	45	69.7	109.8	51,000
110	50	66.8	107.7	43,400
110	60	60.9	102.4	32,800
110	70	54.7	95.7	25,800
110	80	47.8	87.1	20,800
110	90	40.1	76.1	16,900
110	100	30.6	61.1	13,900
110	110	16.7	36.3	11,500
120	26	80.8	125.8	115,200
120	30	78.9	124.9	96,600
120	35	76.4	123.7	75,200
120	40	74.0	122.2	60,900
120	45	71.4	120.5	50,800
120	50	68.9	118.6	43,200
120	60	63.6	113.8	32,500
120	70	58.0	107.9	25,500
120	80	52.1	100.5	20,500
120	90	45.6	91.3	16,600
120	100	38.2	79.5	13,600
120	110	29.2	63.6	11,200
120	120	15.9	37.6	9,200
130	27	81.1	135.8	110,200
130	30	79.8	135.2	96,300
130	35	77.5	134.0	75,000
130	40	75.2	132.7	60,700
130	45	72.9	131.1	50,700
130	50	70.6	129.3	43,000
130	60	65.8	125.0	32,300
130	70	60.8	119.7	25,400
130	80	55.5	113.1	20,300
130	90	49.9	105.1	16,500
130	100	43.7	95.2	13,500
130	110	36.6	82.7	11,100
130	120	28.0	66.0	9,200
130	130	15.2	38.8	7,500
140	29	80.9	145.5	101,200
140	30	80.5	145.4	96,300
140	35	78.4	144.3	74,300
140	40	76.3	143.1	60,500
140	45	74.2	141.6	50,500
140	50	72.0	140.0	42,800
140	60	67.6	136.0	32,000
140	70	63.1	131.2	25,100
140	80	58.3	125.2	20,000
140	90	53.3	118.1	16,200
140	100	47.9	109.5	13,200
140	110	42.0	99.0	10,800
140	120	35.2	85.8	8,800
140	130	26.9	68.3	7,200
140	140	14.6	40.0	5,700
150	30	81.1	155.5	96,100
150	35	79.2	154.5	74,700
150	40	77.2	153.4	60,200
150	45	75.3	152.1	50,200
150	50	73.3	150.5	42,500
150	60	69.2	146.9	31,800
150	70	65.0	142.4	24,800
150	80	60.7	137.0	19,700
150	90	56.1	130.5	15,900
150	100	51.3	122.9	12,900
150	110	46.1	113.7	10,500
150	120	40.4	102.6	8,500
150	130	33.9	88.8	6,900
150	140	26.0	70.5	5,500
150	150	14.1	41.1	4,300

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

HL150T  
IDENTIFICATION

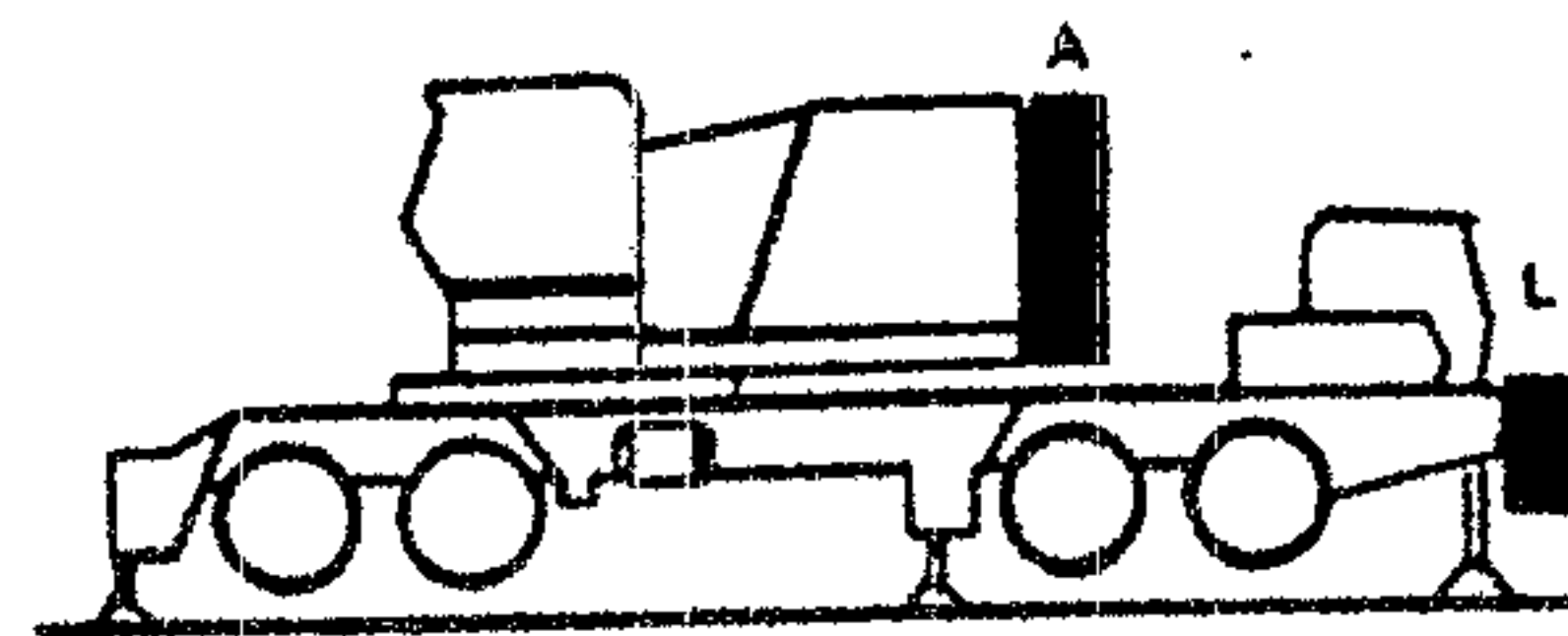


# 76A BOOM – ON OUTRIGGERS OVER REAR 85% STABILITY



## CAPACITY IN POUNDS WITH A + L COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
160	32	81.0	165.3	86,400
160	35	79.9	164.8	74,500
160	40	78.1	163.7	60,000
160	45	76.2	162.4	50,000
160	50	74.3	161.0	42,300
160	60	70.6	157.6	31,500
160	70	66.7	153.5	24,500
160	80	62.7	148.5	19,400
160	90	58.5	142.6	15,500
160	100	54.2	135.6	12,500
160	110	49.5	127.4	10,100
160	120	44.6	117.8	8,200
160	130	39.1	106.1	6,500
160	140	32.8	91.7	5,100
160	150	25.1	72.7	3,900
160	160	13.6	42.2	2,900
170	34	80.8	175.1	77,800
170	35	80.5	174.9	74,200
170	40	78.8	173.9	59,700
170	45	77.0	172.8	49,700
170	50	75.3	171.4	42,000
170	60	71.8	168.3	31,200



## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
170	70	68.1	164.4	24,300
170	80	64.4	159.8	19,100
170	90	60.6	154.3	15,300
170	100	56.6	148.0	12,300
170	110	52.4	140.5	9,900
170	120	47.9	131.9	8,000
170	130	43.1	121.7	6,300
170	140	37.8	109.5	4,900
170	150	31.7	94.5	3,700
170	160	24.3	74.8	2,700
SEE NOTE 6! - FOR MACHINE ON OUTRIGGERS				
180	35	81.0	185.1	74,100
180	40	79.4	184.1	59,600
180	45	77.8	183.0	49,500
180	50	76.1	181.8	41,700
180	60	72.8	178.8	30,900
180	70	69.4	175.2	24,000
180	80	66.0	170.9	18,800
180	90	62.4	165.8	15,000
180	100	58.7	159.9	12,000
180	110	54.8	153.1	9,600
180	120	50.8	145.2	7,600
SEE NOTE 6! - FOR MACHINE ON OUTRIGGERS				
180	130	46.5	136.1	5,900
180	140	41.8	125.4	4,600
180	150	36.7	112.7	3,400
180	160	30.8	97.2	2,300
190	37	80.9	194.9	67,400
190	40	80.0	194.3	59,300
190	45	78.4	193.3	49,200
190	50	76.9	192.1	41,400
190	60	73.7	189.3	30,600
190	70	70.6	185.9	23,700
190	80	67.3	181.9	18,500
190	90	64.0	177.1	14,600
190	100	60.5	171.6	11,600
190	110	57.0	165.3	9,200
190	120	53.2	158.1	7,200
190	130	49.3	149.8	5,600
190	140	45.2	140.2	4,200
190	150	40.6	129.1	3,000
190	160	35.6	115.9	2,000

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

HL150T  
IDENTIFICATION

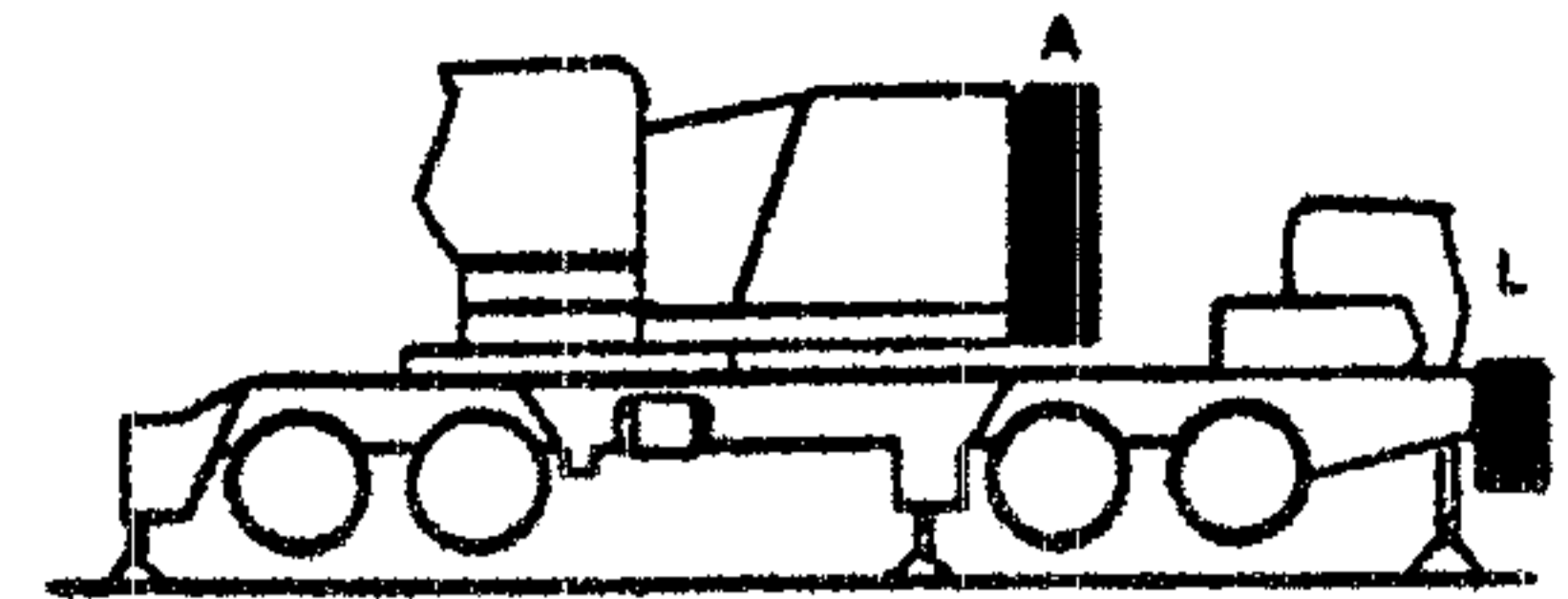


# 76A BOOM – ON OUTRIGGERS 360° 85% STABILITY



## CAPACITY IN POUNDS WITH A + L COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	265,700
40	13	81.3	46.9	244,700
40	14	79.8	46.6	228,700
40	15	78.3	46.3	211,000
40	16	76.8	46.0	197,400
40	17	75.3	45.7	185,200
40	18	73.8	45.3	174,600
40	19	72.2	44.9	164,900
40	20	70.7	44.5	156,200
40	25	62.6	41.8	109,000
40	30	53.7	38.1	78,400
40	35	43.4	32.9	60,400
40	40	29.9	24.9	48,600
50	13	83.0	57.0	243,900
50	14	81.9	56.9	225,900
50	15	80.7	56.6	210,200
50	16	79.5	56.4	196,600
50	17	78.3	56.1	184,500
50	18	77.1	55.8	173,800
50	19	75.9	55.5	164,200
50	20	74.7	55.2	155,500
50	25	68.6	53.2	109,500
50	30	62.1	50.5	78,600
50	35	55.1	46.9	60,600
50	40	47.3	42.4	48,700
50	45	38.2	36.2	40,300
50	50	26.2	27.0	33,900
60	15	82.3	66.8	209,900
60	16	81.3	66.6	196,300
60	17	80.3	66.4	184,100
60	18	79.3	66.2	173,500
60	19	78.4	65.9	163,800
60	20	77.4	65.7	155,100
60	25	72.3	64.0	110,000
60	30	67.2	61.8	79,000
60	35	61.7	59.1	60,800
60	40	55.9	55.7	48,900
60	45	49.7	51.5	40,500
60	50	42.7	46.1	34,200
60	60	23.6	28.8	25,300
70	17	81.7	76.6	183,900
70	18	80.9	76.4	173,200
70	19	80.1	76.2	163,600
70	20	79.2	76.0	154,900
70	25	75.0	74.6	110,300
70	30	70.6	72.8	79,200
70	35	66.1	70.5	60,900
70	40	61.5	67.8	49,100
70	45	56.6	64.4	40,600



## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
70	50	51.3	60.4	34,300
70	60	39.2	49.5	25,600
70	70	21.6	30.5	19,600
80	18	82.0	86.6	172,800
80	19	81.3	86.4	163,100
80	20	80.6	86.2	154,400
80	25	76.9	85.0	110,600
80	30	73.2	83.4	79,300
80	35	69.3	81.5	60,900
80	40	65.4	79.2	49,000
80	45	61.3	76.4	40,500
80	50	57.0	73.1	34,200
80	60	47.7	64.7	25,500
80	70	36.4	52.7	19,600
80	80	20.0	32.1	15,300
90	19	82.3	96.6	163,000
90	20	81.6	96.4	154,300
90	25	78.4	95.3	110,700
90	30	75.1	93.9	79,400
90	35	71.7	92.3	61,000
90	40	68.3	90.2	49,100
90	45	64.8	87.8	40,600
90	50	61.1	85.1	34,300
90	60	53.4	78.1	25,600
90	70	44.7	68.8	19,700
90	80	34.2	55.7	15,500
90	90	18.7	33.6	12,300
100	21	81.9	106.4	146,100
100	25	79.6	105.6	110,900
100	30	76.6	104.3	79,400
100	35	73.6	102.8	61,000
100	40	70.6	101.1	49,000
100	45	67.5	98.9	40,400
100	50	64.3	96.5	34,100
100	60	57.6	90.5	25,400
100	70	50.4	82.8	19,500
100	80	42.2	72.5	15,300
100	90	32.3	58.5	12,200
100	100	17.6	35.0	9,600
110	24	81.1	116.0	120,000
110	25	80.5	115.8	110,900
110	30	77.9	114.7	79,300
110	35	75.2	113.3	60,800
110	40	72.4	111.7	48,900
110	45	69.7	109.8	40,300
110	50	66.8	107.7	33,900
110	60	60.9	102.4	25,200
110	70	54.7	95.7	19,300
110	80	47.8	87.1	15,100
110	90	40.1	76.1	12,000
110	100	30.6	61.1	9,500
110	110	16.7	36.3	7,500
120	26	80.8	125.8	103,000
120	30	78.9	124.9	79,400
120	35	76.4	123.7	60,700
120	40	74.0	122.2	48,700
120	45	71.4	120.5	40,100
120	50	68.9	118.6	33,700
120	60	63.6	113.8	24,900
120	70	58.0	107.9	19,000
120	80	52.1	100.5	14,800
120	90	45.6	91.3	11,700
120	100	38.2	79.5	9,200
120	110	29.2	63.6	7,200
120	120	15.9	37.6	5,600
130	27	81.1	135.8	95,700
130	30	79.8	135.2	79,200
130	35	77.5	134.0	60,500
130	40	75.2	132.7	48,500
130	45	72.9	131.1	39,900
130	50	70.6	129.3	33,500
130	60	65.8	125.0	24,800
130	70	60.8	119.7	18,900
130	80	55.5	113.1	14,700
130	90	49.9	105.1	11,600
130	100	43.7	95.2	9,100
130	110	36.6	82.7	7,100
130	120	28.0	66.0	5,500
130	130	15.2	38.8	4,100

SEE NOTE 6! - FOR MACHINE ON  
OUTRIGGERS

140	29	80.9	145.5	84,200
140	30	80.5	145.4	79,200
140	35	78.4	144.3	60,500
140	40	76.3	143.1	48,400
140	45	74.2	141.6	39,700
140	50	72.0	140.0	33,300
140	60	67.6	136.0	24,500
140	70	63.1	131.2	18,600
140	80	58.3	125.2	14,400
140	90	53.3	118.1	11,200
140	100	47.9	109.5	8,800
140	110	42.0	99.0	6,800
140	120	35.2	85.8	5,200
140	130	26.9	68.3	3,800
140	140	14.6	40.0	2,700

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

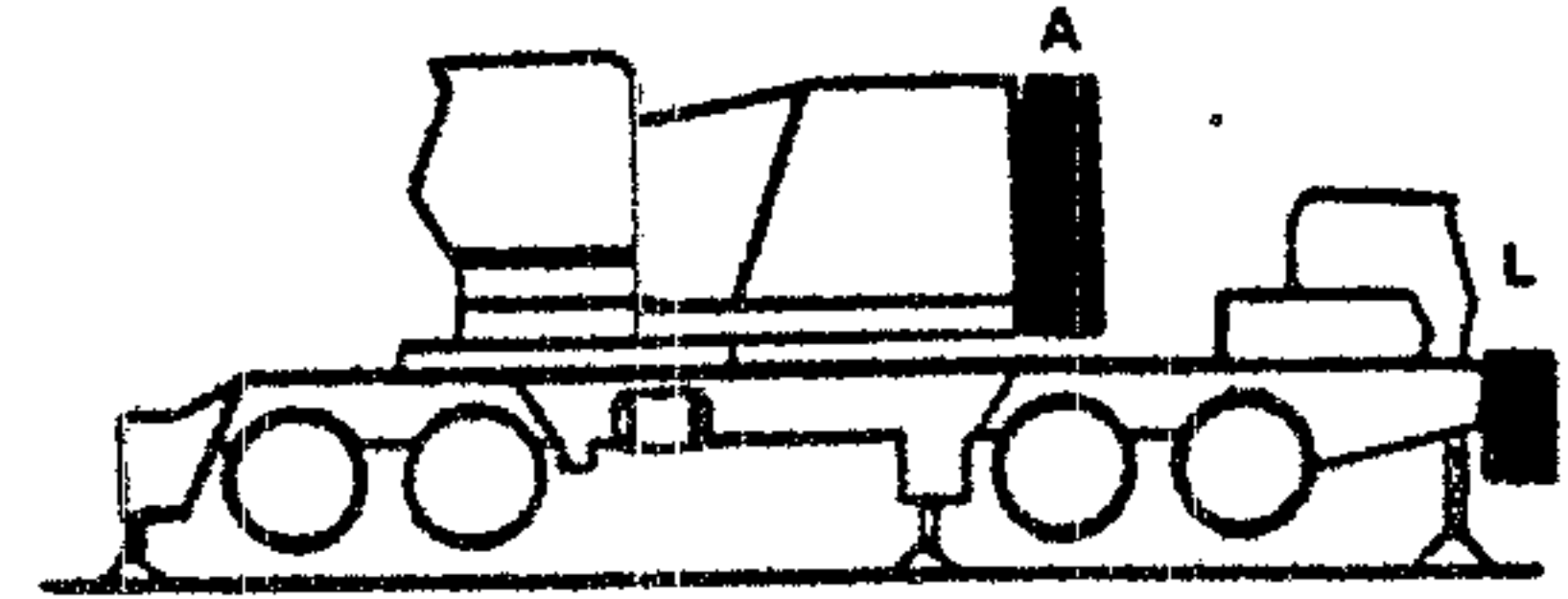
HL150T  
IDENTIFICATION



**76A BOOM – ON OUTRIGGERS 360°  
85% STABILITY**



**CAPACITY IN POUNDS  
WITH A + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

CAPACITY IN POUNDS WITH A + L COUNTERWEIGHTS					COUNTERWEIGHT CONFIGURATION									
BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD	BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD	BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
<b>SEE NOTE 6! - FOR MACHINE ON OUTRIGGERS</b>														
150	30	81.1	155.5	79,100	160	100	54.2	135.6	8,100	180	60	72.8	178.8	23,500
150	35	79.2	154.5	60,300	160	110	49.5	127.4	6,200	180	70	69.4	175.2	17,500
150	40	77.2	153.4	48,200	160	120	44.6	117.8	4,500	180	80	66.0	170.9	13,200
150	45	75.3	152.1	39,500	160	130	39.1	106.1	3,200	180	90	62.4	165.8	10,000
150	50	73.3	150.5	33,000	160	140	32.8	91.7	2,100	180	100	58.7	159.9	7,600
150	60	69.2	146.9	24,300						180	110	54.8	153.1	5,600
150	70	65.0	142.4	18,300	170	34	80.8	175.1	63,000	180	120	50.8	145.2	4,000
150	80	60.7	137.0	14,100	170	35	80.5	174.9	59,900	180	130	46.5	136.1	2,600
150	90	56.1	130.5	10,900	170	40	78.8	173.9	47,800					
150	100	51.3	122.9	8,500	170	45	77.0	172.8	39,000	190	37	80.9	194.9	54,300
150	110	46.1	113.7	6,500	170	50	75.3	171.4	32,500	190	40	80.0	194.3	47,400
150	120	40.4	102.6	4,900	170	60	71.8	168.3	23,800	190	45	78.4	193.3	38,600
150	130	33.9	88.8	3,600	170	70	68.1	164.4	17,800	190	50	76.9	192.1	32,000
150	140	26.0	70.5	2,400	170	80	64.4	159.8	13,500	190	60	73.7	189.3	23,200
					170	90	60.6	154.3	10,400	190	70	70.6	185.9	17,200
160	32	81.0	165.3	70,400	170	100	56.6	148.0	7,900	190	80	67.3	181.9	12,900
160	35	79.9	164.8	60,200	170	110	52.4	140.5	5,900	190	90	64.0	177.1	9,700
160	40	78.1	163.7	48,000	170	120	47.9	131.9	4,300	190	100	60.5	171.6	7,200
160	45	76.2	162.4	39,300	170	130	43.1	121.7	3,000	190	110	57.0	165.3	5,300
160	50	74.3	161.0	32,800						190	120	53.2	158.1	3,600
160	60	70.6	157.6	24,000	180	35	81.0	185.1	59,800	190	130	49.3	149.8	2,300
160	70	66.7	153.5	18,000	180	40	79.4	184.1	47,600					
160	80	62.7	148.5	13,800	180	45	77.8	183.0	38,800					
160	90	58.5	142.6	10,600	180	50	76.1	181.8	32,300					

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

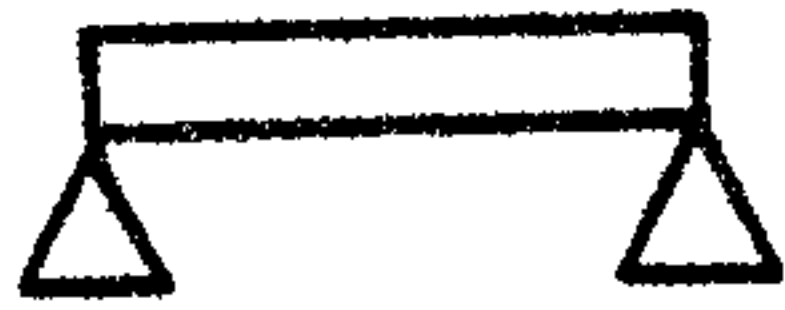
**READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.**

SERIAL NUMBER

HL150T  
IDENTIFICATION

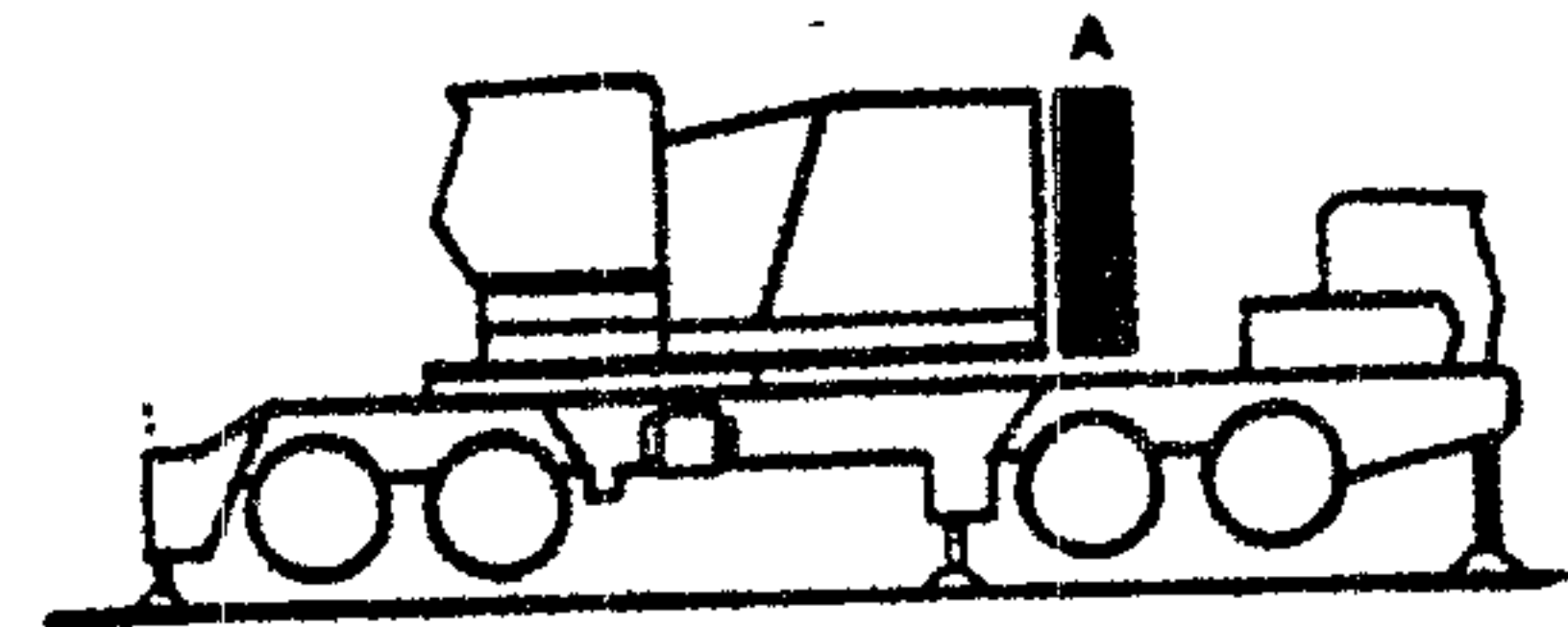


# 76A BOOM – ON OUTRIGGERS OVER REAR 85% STABILITY



**CAPACITY IN POUNDS  
WITH 'A' COUNTERWEIGHT**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	255,700
40	13	81.3	46.9	244,700
40	14	79.8	46.6	226,700
40	15	78.3	46.3	211,000
40	16	76.8	46.0	197,400
40	17	75.3	45.7	185,200
40	18	73.8	45.3	174,600
40	19	72.2	44.9	164,900
40	20	70.7	44.5	156,200
40	25	62.6	41.8	105,300
40	30	53.7	38.1	76,800
40	35	43.4	32.9	59,700
40	40	29.9	24.9	48,300
50	13	83.0	57.0	243,900
50	14	81.9	56.9	225,900
50	15	80.7	56.6	210,200
50	16	79.5	56.4	196,600
50	17	78.3	56.1	184,500
50	18	77.1	55.8	173,800
50	19	75.9	55.5	164,200
50	20	74.7	55.2	155,500
50	25	68.6	53.2	105,800
50	30	62.1	50.5	77,000
50	35	55.1	46.9	59,800
50	40	47.3	42.4	48,400
50	45	38.2	36.2	40,200
50	50	26.2	27.0	34,000
60	15	82.3	66.8	209,900
60	16	81.3	66.6	196,200
60	17	80.3	66.4	184,100
60	18	79.3	66.2	173,500
60	19	78.4	65.9	163,800
60	20	77.4	65.7	155,100
60	25	72.3	64.0	106,200
60	30	67.2	61.8	77,300
60	35	61.7	59.1	60,000
60	40	55.9	55.7	48,600
60	45	49.7	51.5	40,300
60	50	42.7	46.1	34,200
60	60	23.6	28.8	25,500
70	17	81.7	76.6	183,900
70	18	80.9	76.4	173,200
70	19	80.1	76.2	163,600
70	20	79.2	76.0	154,900
70	25	75.0	74.6	106,400
70	30	70.6	72.8	77,500
70	35	66.1	70.5	60,100
70	40	61.5	67.8	48,700



**COUNTERWEIGHT CONFIGURATION**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD	BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
70	45	56.6	64.4	40,500	110	60	60.9	102.4	25,300
70	50	51.3	60.4	34,300	110	70	54.7	95.7	19,500
70	60	39.2	49.5	25,700	110	80	47.8	87.1	15,300
70	70	21.6	30.5	19,800	110	90	40.1	76.1	12,200
80	18	82.0	86.6	172,800	110	100	30.6	61.1	9,700
80	19	81.3	86.4	163,100	110	110	16.7	36.3	7,700
80	20	80.6	86.2	154,400	120	26	80.8	125.8	99,500
80	25	76.9	85.0	106,600	120	30	78.9	124.9	77,500
80	30	73.2	83.4	77,500	120	35	76.4	123.7	59,800
80	35	69.3	81.5	60,100	120	40	74.0	122.2	48,200
80	40	65.4	79.2	48,600	120	45	71.4	120.5	39,900
80	45	61.3	76.4	40,300	120	50	68.9	118.6	33,600
80	50	57.0	73.1	34,100	120	60	63.6	113.8	25,000
80	60	47.7	64.7	25,600	120	70	58.0	107.9	19,200
80	70	36.4	52.7	19,700	120	80	52.1	100.5	15,000
80	80	20.0	32.1	15,500	120	90	45.6	91.3	11,800
90	19	82.3	96.6	163,000	120	100	38.2	79.5	9,400
90	20	81.6	96.4	154,300	120	110	29.2	63.6	7,400
90	25	78.4	95.3	106,700	120	120	15.9	37.6	5,700
90	30	75.1	93.9	77,600	130	27	81.1	135.8	92,700
90	35	71.7	92.3	60,100	130	30	79.8	135.2	77,200
90	40	68.3	90.2	48,700	130	35	77.5	134.0	59,600
90	45	64.8	87.8	40,400	130	40	75.2	132.7	48,000
90	50	61.1	85.1	34,200	130	45	72.9	131.1	39,700
90	60	53.4	78.1	25,700	130	50	70.6	129.3	33,400
90	70	44.7	68.8	19,900	130	60	65.8	125.0	24,900
90	80	34.2	55.7	15,700	130	70	60.8	119.7	19,000
90	90	18.7	33.6	12,500	130	80	55.5	113.1	14,900
100	21	81.9	106.4	146,100	130	90	49.9	105.1	11,700
100	25	79.6	105.6	106,800	130	100	43.7	95.2	9,300
100	30	76.6	104.3	77,600	130	110	36.6	82.7	7,300
100	35	73.6	102.8	60,000	130	120	28.0	66.0	5,700
100	40	70.6	101.1	48,600	130	130	15.2	38.8	4,300
100	45	67.5	98.9	40,200	140	29	80.9	145.5	81,900
100	50	64.3	96.5	34,000	140	30	80.5	145.4	77,200
100	60	57.6	90.5	25,500	140	35	78.4	144.3	59,500
100	70	50.4	82.8	19,700	140	40	76.3	143.1	47,900
100	80	42.2	72.5	15,500	140	45	74.2	141.6	39,500
100	90	32.3	58.5	12,300	140	50	72.0	140.0	33,200
100	100	17.6	35.0	9,800	140	60	67.6	136.0	24,600
110	24	81.1	116.0	115,300	140	70	63.1	131.2	18,700
110	25	80.5	115.8	106,800	140	80	58.3	125.2	14,500
110	30	77.9	114.7	77,500	140	90	53.3	118.1	11,400
110	35	75.2	113.3	59,900	140	100	47.9	109.5	8,900
110	40	72.4	111.7	48,400	140	110	42.0	99.0	7,000
110	45	69.7	109.8	40,100	140	120	35.2	85.8	5,400
110	50	66.8	107.7	33,800	140	130	26.9	68.3	4,000
					140	140	14.6	40.0	2,800

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

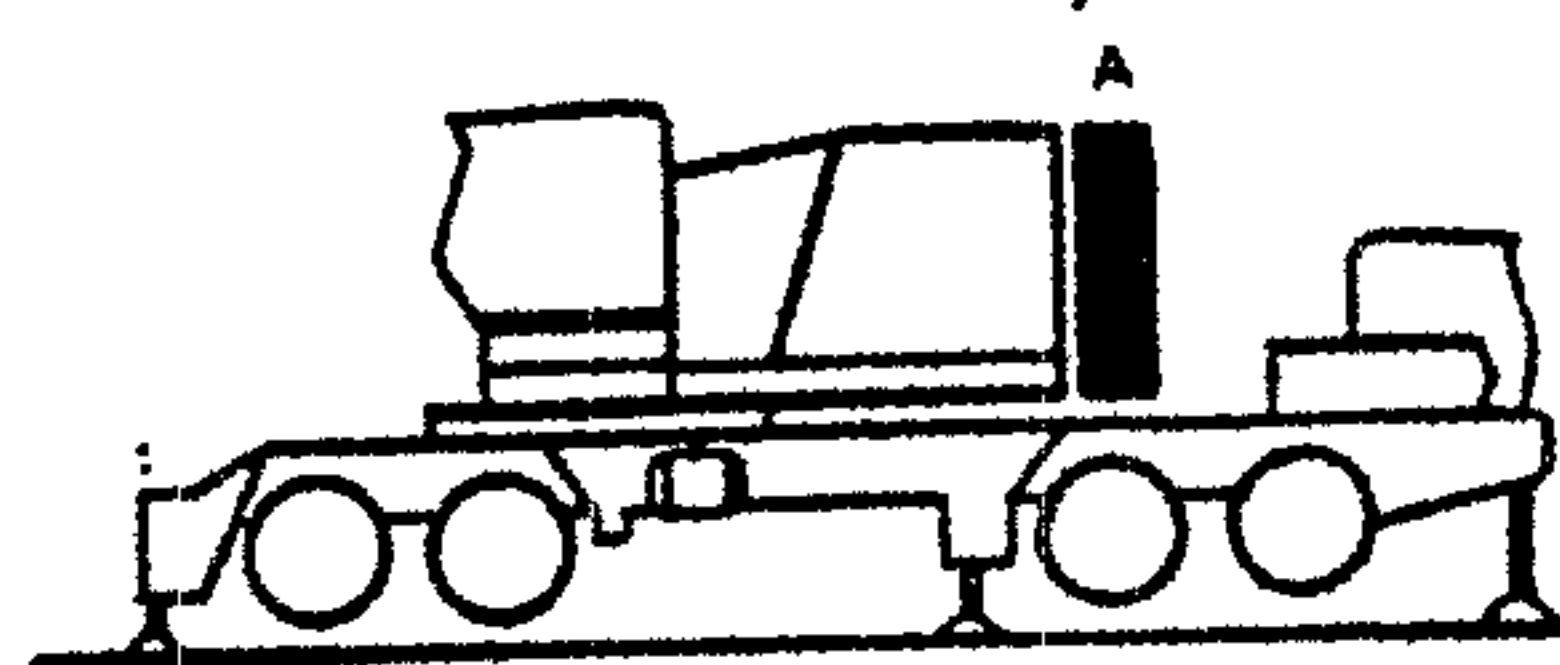
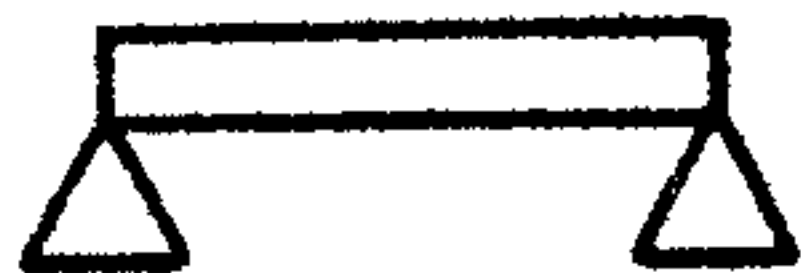
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

HL150T  
IDENTIFICATION



**76A BOOM – ON OUTRIGGERS 360°  
85% STABILITY**



**CAPACITY IN POUNDS  
WITH 'A' COUNTERWEIGHT**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	265,700
40	13	81.3	46.9	244,700
40	14	79.8	46.6	226,700
40	15	78.3	46.3	211,000
40	16	76.8	46.0	197,400
40	17	75.3	45.7	185,200
40	18	73.8	45.3	174,600
40	19	72.2	44.9	164,900
40	20	70.7	44.5	156,200
40	25	62.6	41.8	100,900
40	30	53.7	38.1	72,500
40	35	43.4	32.9	55,800
40	40	29.9	24.9	44,700
50	13	83.0	57.0	243,900
50	14	81.9	56.9	225,900
50	15	80.7	56.6	210,200
50	16	79.5	56.4	196,600
50	17	78.3	56.1	184,500
50	18	77.1	55.8	173,800
50	19	75.9	55.5	164,200
50	20	74.7	55.2	155,500
50	25	68.6	53.2	101,500
50	30	62.1	50.5	72,700
50	35	55.1	46.9	56,000
50	40	47.3	42.4	44,900
50	45	38.2	36.2	37,000
50	50	26.2	27.0	31,000
60	15	82.3	66.8	209,900
60	16	81.3	66.6	195,300
60	17	80.3	66.4	184,100
60	18	79.3	66.2	173,500
60	19	78.4	65.9	163,800
60	20	77.4	65.7	155,100
60	25	72.3	64.0	102,000
60	30	67.2	61.8	73,100
60	35	61.7	59.1	56,200
60	40	55.9	55.7	45,100
60	45	49.7	51.5	37,200
60	50	42.7	46.1	31,300
60	60	23.6	28.8	23,000
70	17	81.7	76.6	183,900
70	18	80.9	76.4	173,200
70	19	80.1	76.2	163,600
70	20	79.2	76.0	154,900
70	25	75.0	74.6	102,300
70	30	70.6	72.8	73,300
70	35	66.1	70.5	56,400
70	40	61.5	67.8	45,200

**COUNTERWEIGHT CONFIGURATION**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD	BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
70	45	56.6	64.4	37,300	110	60	60.9	102.4	22,900
70	50	51.3	60.4	31,400	110	70	54.7	95.7	17,400
70	60	39.2	49.5	23,300	110	80	47.8	87.1	13,500
70	70	21.6	30.5	17,700	110	90	40.1	76.1	10,600
80	18	82.0	86.6	172,800	110	100	30.6	61.1	8,300
80	19	81.3	86.4	163,100	110	110	16.7	36.3	6,400
80	20	80.6	86.2	154,400	120	26	80.8	125.8	95,500
80	25	76.9	85.0	102,600	120	30	78.9	124.9	73,500
80	30	73.2	83.4	73,400	120	35	76.4	123.7	56,300
80	35	69.3	81.5	56,400	120	40	74.0	122.2	44,800
80	40	65.4	79.2	45,100	120	45	71.4	120.5	36,800
80	45	61.3	76.4	37,200	120	50	68.9	118.6	30,800
80	50	57.0	73.1	31,300	120	60	63.6	113.8	22,700
80	60	47.7	64.7	23,200	120	70	58.0	107.9	17,100
80	70	36.4	52.7	17,700	120	80	52.1	100.5	13,200
80	80	20.0	32.1	13,700	120	90	45.6	91.3	10,300
90	19	82.3	96.6	163,000	120	100	38.2	79.5	8,000
90	20	81.6	96.4	154,300	120	110	29.2	63.6	6,100
90	25	78.4	95.3	102,700	120	120	15.9	37.6	4,500
90	30	75.1	93.9	73,500	130	27	81.1	135.8	88,700
90	35	71.7	92.3	56,500	130	30	79.8	135.2	73,300
90	40	68.3	90.2	45,200	130	35	77.5	134.0	56,100
90	45	64.8	87.8	37,300	130	40	75.2	132.7	44,700
90	50	61.1	85.1	31,400	130	45	72.9	131.1	36,600
90	60	53.4	78.1	23,300	130	50	70.6	129.3	30,600
90	70	44.7	68.8	17,800	130	60	65.8	125.0	22,500
90	80	34.2	55.7	13,900	130	70	60.8	119.7	17,000
90	90	18.7	33.6	10,900	130	80	55.5	113.1	13,100
100	21	81.9	106.4	146,100	130	90	49.9	105.1	10,100
100	25	79.6	105.6	102,900	130	100	43.7	95.2	7,900
100	30	76.6	104.3	73,500	130	110	36.6	82.7	6,000
100	35	73.6	102.8	56,400	130	120	28.0	66.0	4,500
100	40	70.6	101.1	45,100	130	130	15.2	38.8	3,200
100	45	67.5	98.9	37,100	<b>SEE NOTE 6! - FOR MACHINE ON OUTRIGGERS</b>				
100	50	64.3	96.5	31,200	140	29	80.9	145.5	78,000
100	60	57.6	90.5	23,100	140	30	80.5	145.4	73,300
100	70	50.4	82.8	17,600	140	35	78.4	144.3	56,000
100	80	42.2	72.5	13,700	140	40	76.3	143.1	44,500
100	90	32.3	58.5	10,700	140	45	74.2	141.6	36,400
100	100	17.6	35.0	8,400	140	50	72.0	140.0	30,400
110	24	81.1	116.0	111,600	140	60	67.6	136.0	22,300
110	25	80.5	115.8	102,900	140	70	63.1	131.2	16,700
110	30	77.9	114.7	73,400	140	80	58.3	125.2	12,800
110	35	75.2	113.3	56,300	140	90	53.3	118.1	9,800
110	40	72.4	111.7	45,000	140	100	47.9	109.5	7,500
110	45	69.7	109.8	37,000	140	110	42.0	99.0	5,700
110	50	66.8	107.7	31,000	140	120	35.2	85.8	4,200
					140	130	26.9	68.3	2,900

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

HL150T  
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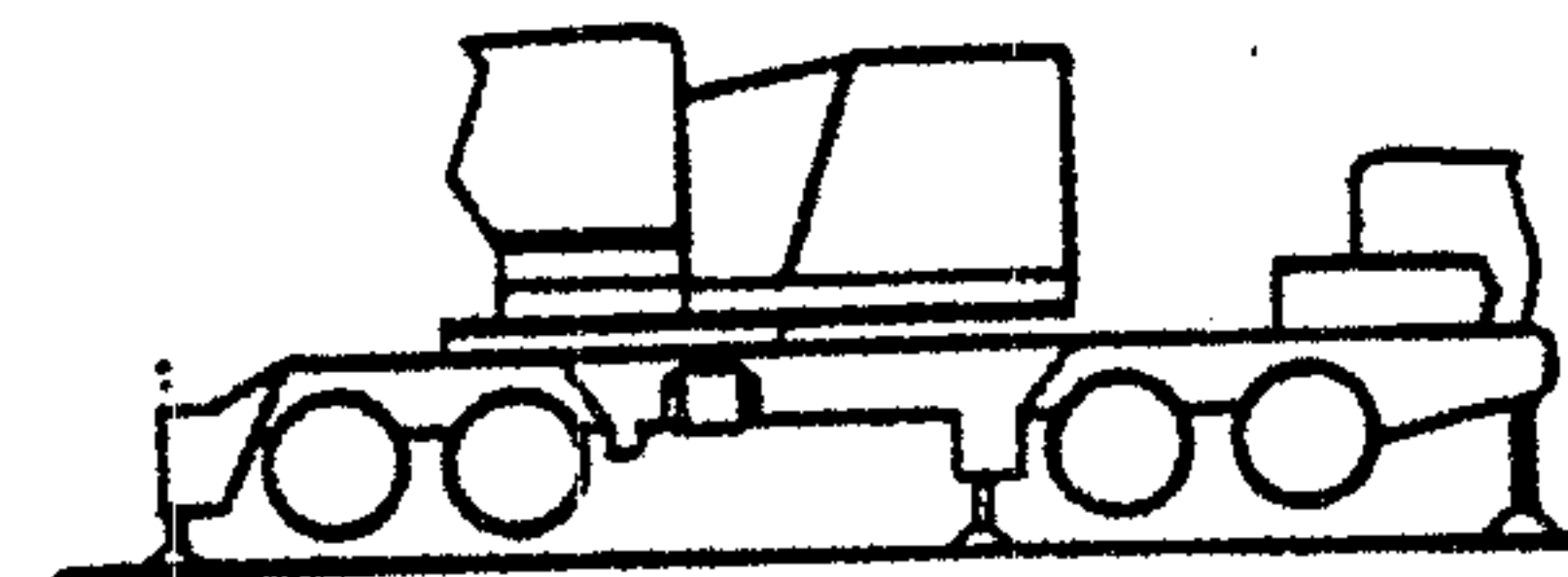


# 76A BOOM – ON OUTRIGGERS OVER REAR 85% STABILITY



## CAPACITY IN POUNDS WITH NO COUNTERWEIGHTS

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	245,300
40	13	81.3	46.9	225,800
40	14	79.8	46.6	209,100
40	15	78.3	46.3	194,700
40	16	76.8	46.0	182,000
40	17	75.3	45.7	170,800
40	18	73.8	45.3	160,200
40	19	72.2	44.9	141,200
40	20	70.7	44.5	126,000
40	25	62.6	41.8	80,900
40	30	53.7	38.1	58,600
40	35	43.4	32.9	45,200
40	40	29.9	24.9	36,100
50	13	83.0	57.0	225,100
50	14	81.5	56.9	208,300
50	15	80.7	56.6	193,900
50	16	79.5	56.4	181,200
50	17	78.3	56.1	170,100
50	18	77.1	55.8	160,100
50	19	75.9	55.5	142,300
50	20	74.7	55.2	126,900
50	25	68.6	53.2	81,300
50	30	62.1	50.5	58,800
50	35	55.1	46.9	45,300
50	40	47.3	42.4	36,300
50	45	38.2	36.2	29,800
50	50	26.2	27.0	24,900
60	15	82.3	66.8	193,600
60	16	81.3	66.6	180,900
60	17	80.3	66.4	169,800
60	18	79.3	66.2	159,800
60	19	78.4	65.9	143,200
60	20	77.4	65.7	127,600
60	25	72.3	64.0	81,800
60	30	67.2	61.8	59,000
60	35	61.7	59.1	45,500
60	40	55.9	55.7	36,400
60	45	49.7	51.5	29,900
60	50	42.7	46.1	25,100
60	60	23.6	28.8	18,200



## COUNTERWEIGHT CONFIGURATION

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD	BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
70	17	81.7	76.6	169,500	100	21	81.9	106.4	116,400
70	18	80.9	76.4	159,500	100	25	79.6	105.6	82,500
70	19	80.1	76.2	143,700	100	30	76.6	104.3	59,300
70	20	79.2	76.0	128,100	100	35	73.6	102.8	45,600
70	25	75.0	74.6	82,000	100	40	70.6	101.1	36,400
70	30	70.6	72.8	59,100	100	45	67.5	98.9	29,800
70	35	66.1	70.5	45,600	100	50	64.3	96.5	25,100
70	40	61.5	67.8	36,500	100	60	57.6	90.5	18,200
70	45	56.6	64.4	30,100	100	70	50.4	82.8	13,600
70	50	51.3	60.4	25,300	100	80	42.2	72.5	10,300
70	60	39.2	49.5	18,400	100	90	32.3	58.5	7,800
70	70	21.6	30.5	13,700	100	100	17.6	35.0	5,800
80	18	82.0	86.6	159,100	110	24	81.1	116.0	89,000
80	19	81.3	86.4	144,300	110	25	80.5	115.8	82,500
80	20	80.6	86.2	128,600	110	30	77.9	114.7	59,200
80	25	76.9	85.0	82,200	110	35	75.2	113.3	45,500
80	30	73.2	83.4	59,200	110	40	72.4	111.7	36,200
80	35	69.3	81.5	45,600	110	45	69.7	109.8	29,700
80	40	65.4	79.2	36,400	110	50	66.8	107.7	24,900
80	45	61.3	76.4	29,900	110	60	60.9	102.4	18,000
80	50	57.0	73.1	25,200	110	70	54.7	95.7	13,400
80	60	47.7	64.7	18,300	110	80	47.8	87.1	10,100
80	70	36.4	52.7	13,700	110	90	40.1	76.1	7,600
80	80	20.0	32.1	10,300	110	100	30.6	61.1	5,700
90	19	82.3	96.6	144,400	110	110	16.7	36.3	4,000
90	20	81.6	96.4	128,700	120	26	80.8	125.8	76,700
90	25	78.4	95.3	82,300	120	30	78.9	124.9	59,200
90	30	75.1	93.9	59,300	120	35	76.4	123.7	45,400
90	35	71.7	92.3	45,700	120	40	74.0	122.2	36,100
90	40	68.3	90.2	36,500	120	45	71.4	120.5	29,400
90	45	64.8	87.8	30,000	120	50	68.9	118.6	24,700
90	50	61.1	85.1	25,300	120	60	63.6	113.8	17,700
90	60	53.4	78.1	18,400	120	70	58.0	107.9	13,100
90	70	44.7	68.8	13,800	120	80	52.1	100.5	9,800
90	80	34.2	55.7	10,500	120	90	45.6	91.3	7,300
90	90	18.7	33.6	8,000	120	100	38.2	79.5	5,400
					120	110	29.2	63.6	3,800
					120	120	15.9	37.6	2,400

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

HL150T  
IDENTIFICATION

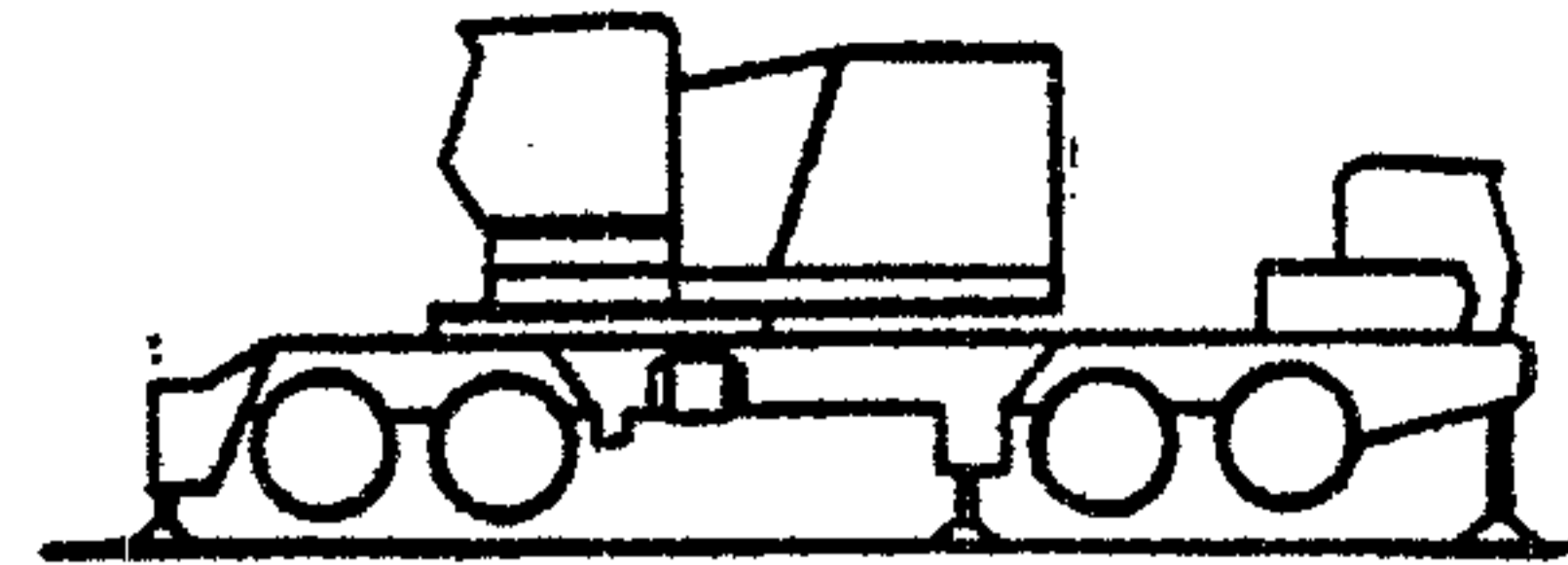


**76A BOOM – ON OUTRIGGERS 360°  
85% STABILITY**



**CAPACITY IN POUNDS  
WITH NO COUNTERWEIGHTS**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
40	12	82.7	47.1	245,300
40	13	81.3	46.9	225,800
40	14	79.8	46.6	209,100
40	15	78.3	46.3	194,700
40	16	76.8	46.0	182,000
40	17	75.3	45.7	170,900
40	18	73.8	45.3	155,800
40	19	72.2	44.9	135,500
40	20	70.7	44.5	119,600
40	25	62.6	41.8	74,400
40	30	53.7	38.1	52,900
40	35	43.4	32.9	40,200
40	40	29.9	24.9	31,800
50	13	83.0	57.0	225,100
50	14	81.9	56.9	208,300
50	15	80.7	56.6	193,900
50	16	79.5	56.4	181,200
50	17	78.3	56.1	170,100
50	18	77.1	55.8	157,500
50	19	75.9	55.5	136,900
50	20	74.7	55.2	120,800
50	25	68.6	53.2	75,000
50	30	62.1	50.5	53,200
50	35	55.1	46.9	40,400
50	40	47.3	42.4	32,000
50	45	38.2	36.2	26,100
50	50	26.2	27.0	21,500
60	15	82.3	66.8	193,600
60	16	81.3	66.6	180,900
60	17	80.3	66.4	169,800
60	18	79.3	66.2	158,800
60	19	78.4	65.9	138,000
60	20	77.4	65.7	121,700
60	25	72.3	64.0	75,500
60	30	67.2	61.8	53,500
60	35	61.7	59.1	40,700
60	40	55.9	55.7	32,200
60	45	49.7	51.5	26,300
60	50	42.7	46.1	21,800
60	60	23.6	28.8	15,400



**COUNTERWEIGHT CONFIGURATION**

BOOM LGTH	LOAD RAD	BOOM ANG	SHEAVE HGT	RATED LOAD
70	17	81.7	76.6	169,500
70	18	80.9	76.4	159,500
70	19	80.1	76.2	138,600
70	20	79.2	76.0	122,300
70	25	75.0	74.6	75,800
70	30	70.6	72.8	53,800
70	35	66.1	70.5	40,800
70	40	61.5	67.8	32,300
70	45	56.6	64.4	26,400
70	50	51.3	60.4	22,000
70	60	39.2	49.5	15,700
70	70	21.6	30.5	11,400
80	18	82.0	86.6	159,100
80	19	81.3	86.4	139,400
80	20	80.6	86.2	123,000
80	25	76.9	85.0	76,100
80	30	73.2	83.4	53,900
80	35	69.3	81.5	40,900
80	40	65.4	79.2	32,300
80	45	61.3	76.4	26,400
80	50	57.0	73.1	21,900
80	60	47.7	64.7	15,600
80	70	36.4	52.7	11,300
80	80	20.0	32.1	8,300
90	19	82.3	96.6	139,500
90	20	81.6	96.4	123,000
90	25	78.4	95.3	76,200
90	30	75.1	93.9	54,000
90	35	71.7	92.3	40,900
90	40	68.3	90.2	32,400
90	45	64.8	87.8	26,500
90	50	61.1	85.1	22,000
90	60	53.4	78.1	15,700
90	70	44.7	68.8	11,500
90	80	34.2	55.7	8,500
90	90	18.7	33.6	6,200
100	21	81.9	106.4	110,500
100	25	79.6	105.6	76,400
100	30	76.6	104.3	54,100
100	35	73.6	102.8	40,900
100	40	70.6	101.1	32,300
100	45	67.5	98.9	26,300
100	50	64.3	96.5	21,800
100	60	57.6	90.5	15,500
100	70	50.4	82.8	11,300
100	80	42.2	72.5	8,300
100	90	32.3	58.5	6,000
100	100	17.6	35.0	4,200
110	24	81.1	116.0	83,100
110	25	80.5	115.8	76,500
110	30	77.9	114.7	54,000
110	35	75.2	113.3	40,800
110	40	72.4	111.7	32,100
110	45	69.7	109.8	26,200
110	50	66.8	107.7	21,600
110	60	60.9	102.4	15,300
110	70	54.7	95.7	11,100
110	80	47.8	87.1	8,100
110	90	40.1	76.1	5,800
110	100	30.6	61.1	4,100
110	110	16.7	36.3	2,600

**SEE NOTE 6! - FOR MACHINE ON  
OUTRIGGERS**

120	26	80.8	125.8	70,900
120	30	78.9	124.9	54,000
120	35	76.4	123.7	40,700
120	40	74.0	122.2	32,000
120	45	71.4	120.5	26,000
120	50	68.9	118.6	21,400
120	60	63.6	113.8	15,000
120	70	58.0	107.9	10,800
120	80	52.1	100.5	7,800
120	90	45.6	91.3	5,500
120	100	38.2	79.5	3,800
120	110	29.2	63.6	2,300

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

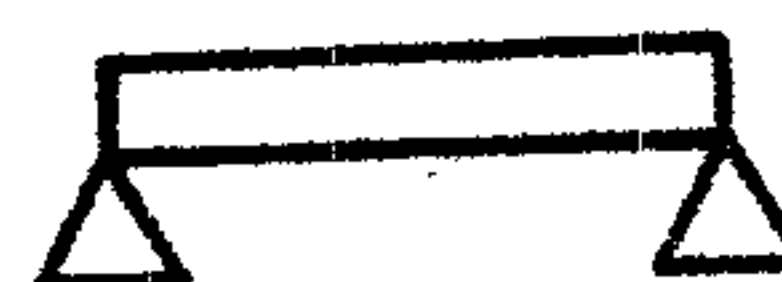
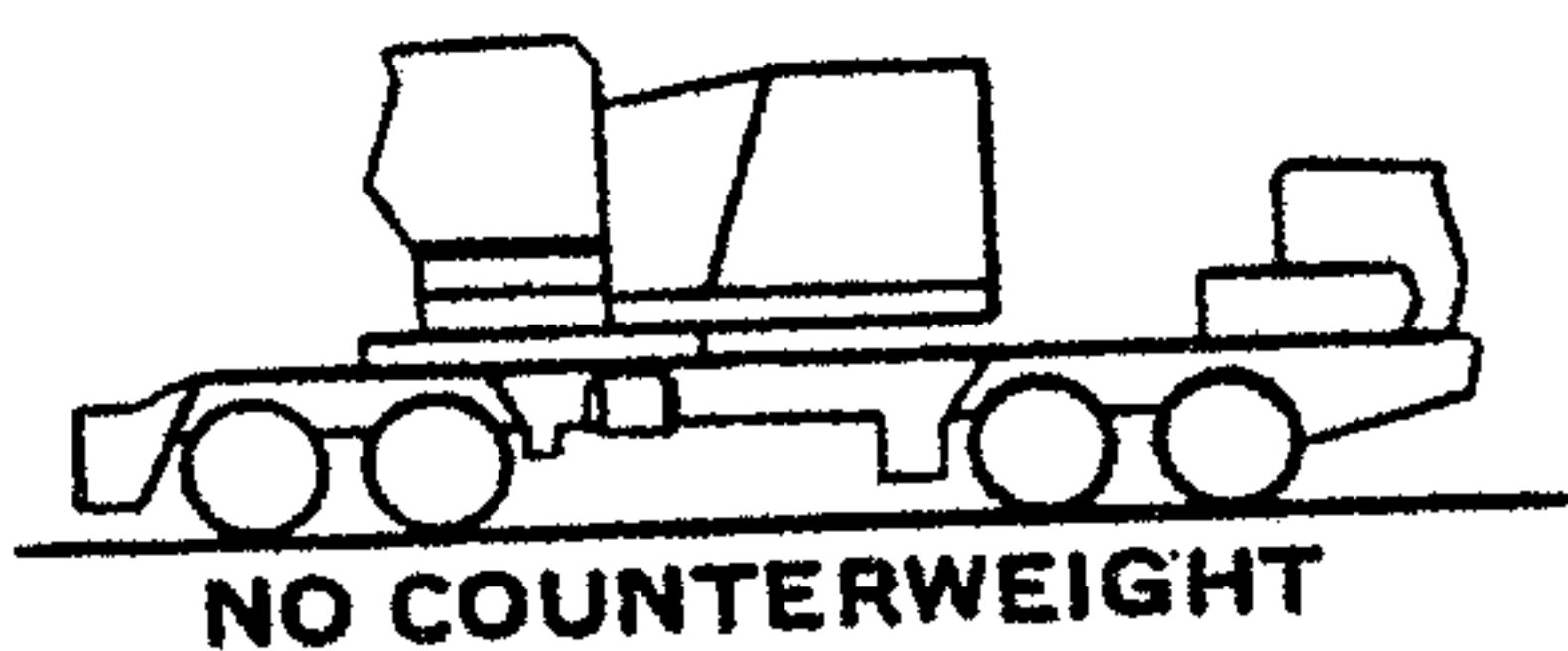
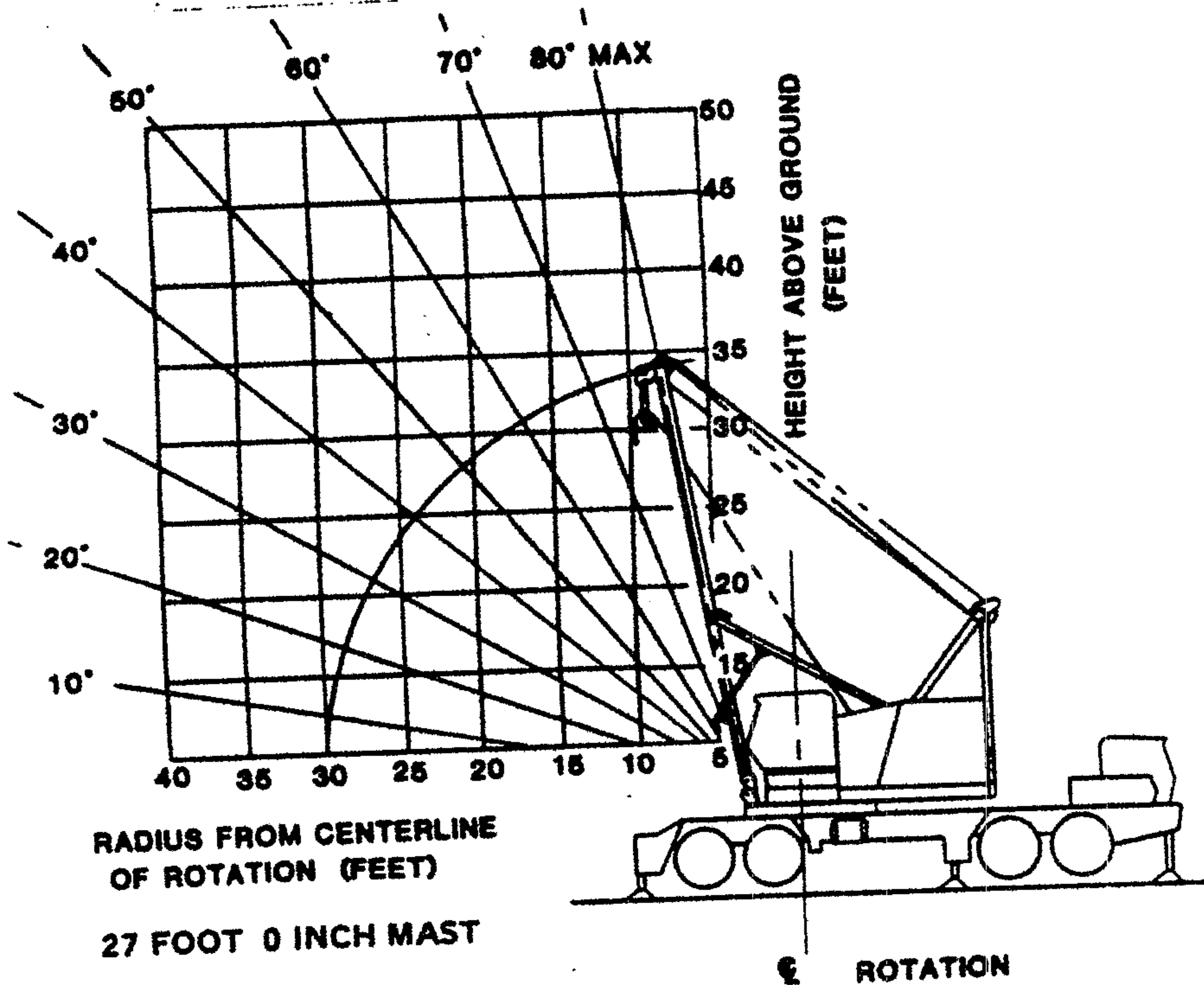
**READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF  
THIS MANUAL BEFORE OPERATING THIS MACHINE.**

**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**



**MAST RANGE AND CAPACITY 360°  
85% STABILITY ON OUTRIGGERS  
75% STABILITY ON TIRES**



RADIUS	MAST ANGLE	ON TIRES FRONT AXLE FREE	ON TIRES FRONT AXLE LOCKED (7)	ON OUTRIGGERS
9	78.7	45,000	45,000	45,000
13	69.9	26,900	39,100	45,000
14	67.6	24,300	35,000	45,000
15	65.3	22,100	31,500	45,000
16	62.9	20,200	28,600	45,000
17	60.5	18,700	26,200	45,000
18	58.0	17,200	24,200	45,000
19	55.5	16,100	22,500	45,000
20	52.9	15,000	20,900	40,600
25	37.9	11,100	15,400	27,200
30	13.2	8,700	12,000	17,500

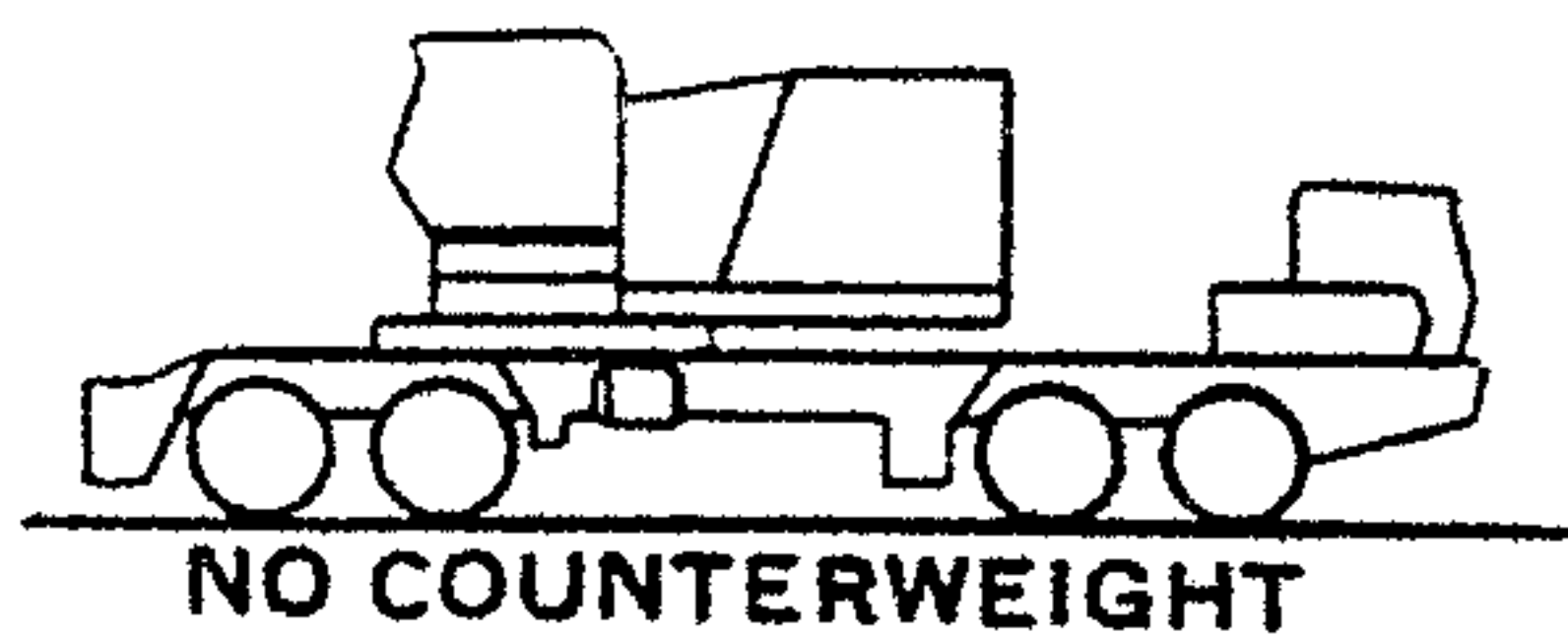
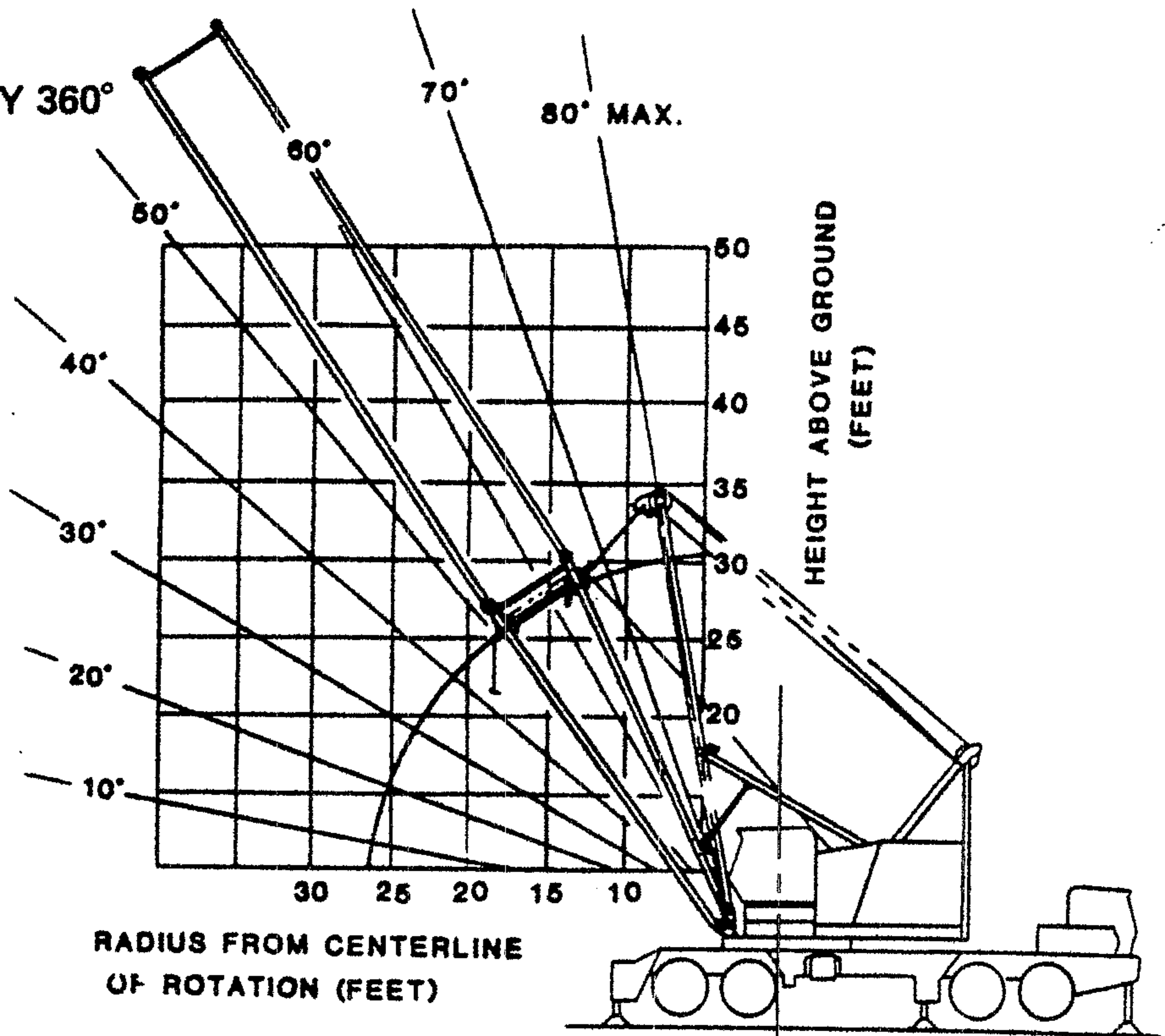
1. Rated loads appearing in shaded areas are based on structural strength and tipping should not be relied upon as a capacity limitation.
2. Rated loads are in pounds and do not exceed 85% of tipping loads on outriggers and 75% of tipping loads on tires as determined by test in accordance with SAE J-765 OCT80.
3. On tire rated loads are for the machine with outrigger boxes removed.
4. Rated loads are applicable to machines equipped with 14.00 x 24 (20 ply) bias ply or radial tires at 115 psi cold inflation pressure or 16.00 x 21 (22 ply) radial ply tires at 85 psi cold inflation pressure.
5. All lifting depends on proper tire inflation, capacity and condition. Rated loads must be reduced for lower tire inflation pressures. Damaged tires are hazardous to safe operation of crane.
6. Rated loads are applicable only with machine on a firm level surface.
7. Front axles must be locked on both axles before lifting on tires over side or front.
8. Gantry must be pinned in high position before lifting loads.
9. Use of the heaviest hookblock allowable within load chart limits also works best to prevent overhauling.

**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**



**76A BOOM BASE RANGE AND CAPACITY 360°**  
**85% STABILITY ON OUTRIGGERS**  
**75% STABILITY ON TIRES**



⊗ ROTATION

RADIUS	BOOM ANGLE	ON TIRES FRONT AXLE FREE	ON TIRES FRONT AXLE LOCKED (8)	ON OUTRIGGERS
10	82.5	36,300	45,000	45,000
11	80.0	29,300	45,000	45,000
12	77.5	23,800	39,200	45,000
13	74.9	19,400	32,400	45,000
14	72.3	15,800	27,000	45,000
15	69.6	12,700	22,500	45,000
16	66.8	10,100	18,800	45,000
17	64.0	7,900	15,700	45,000
18	61.1	5,900	13,000	45,000
19	58.0	4,200	10,600	45,000
20	54.9	2,600	8,600	45,000
25	35.0			45,000

- Rated loads appearing in shaded areas are based on structural strength and tipping should not be relied upon as a capacity limitation.
- Rated loads are in pounds and do not exceed 85% of tipping loads on outriggers and 75% of tipping loads on tires as determined by test in accordance with SAE J-765 OCT80.
- On tire rated loads are for the machine with outrigger boxes removed.
- Rated loads are applicable to machines equipped with 14.00 x 24 (20 ply) bias ply or radial tires at 115 psi cold inflation pressure or 16.00 x 21 (22 ply) radial ply tires at 85 psi cold inflation pressure.
- All lifting depends on proper tire inflation, capacity and condition. Rated loads must be reduced for lower tire inflation pressures. Damaged tires are hazardous to safe operation of crane.
- Rated loads are applicable only with machine on a firm level surface.
- Rated loads are for a stationary machine. Do not travel with loads.
- Front axles must be locked on both axles before lifting on tires over side or front.
- Gantry must be pinned in high position before lifting loads.
- Additional boom extension must be added to the boom base section to prevent the mast from overhauling the boom at maximum boom angle (minimum radius). Use of the heaviest hookblock allowable within load chart limits also works best to prevent overhauling. To facilitate boom buildup, the length of extensions to be used for service erection depend on the completed boom configuration and length. Refer to the following chart to determine proper boom sections to use for service erection. The boom length that is required after completion of the erecting procedure is found in the left column (final length of boom). The extensions to be used are noted in the right column (extension required). The total boom length used for service erection must never be longer than 70 ft. for complete boom and 85 ft. for extensions.

Final Length of Boom (in feet)	Extensions Required
50 thru 70	Complete Boom
80, 120, 160	10 ft. Ext. + 20 ft. Ext.
90, 130, 170, 200 thru 240	40 ft. Ext.
100, 140, 180	10 ft. Ext. + 40 ft. Ext.
110, 150, 190	20 ft. Ext. + 40 ft. Ext.

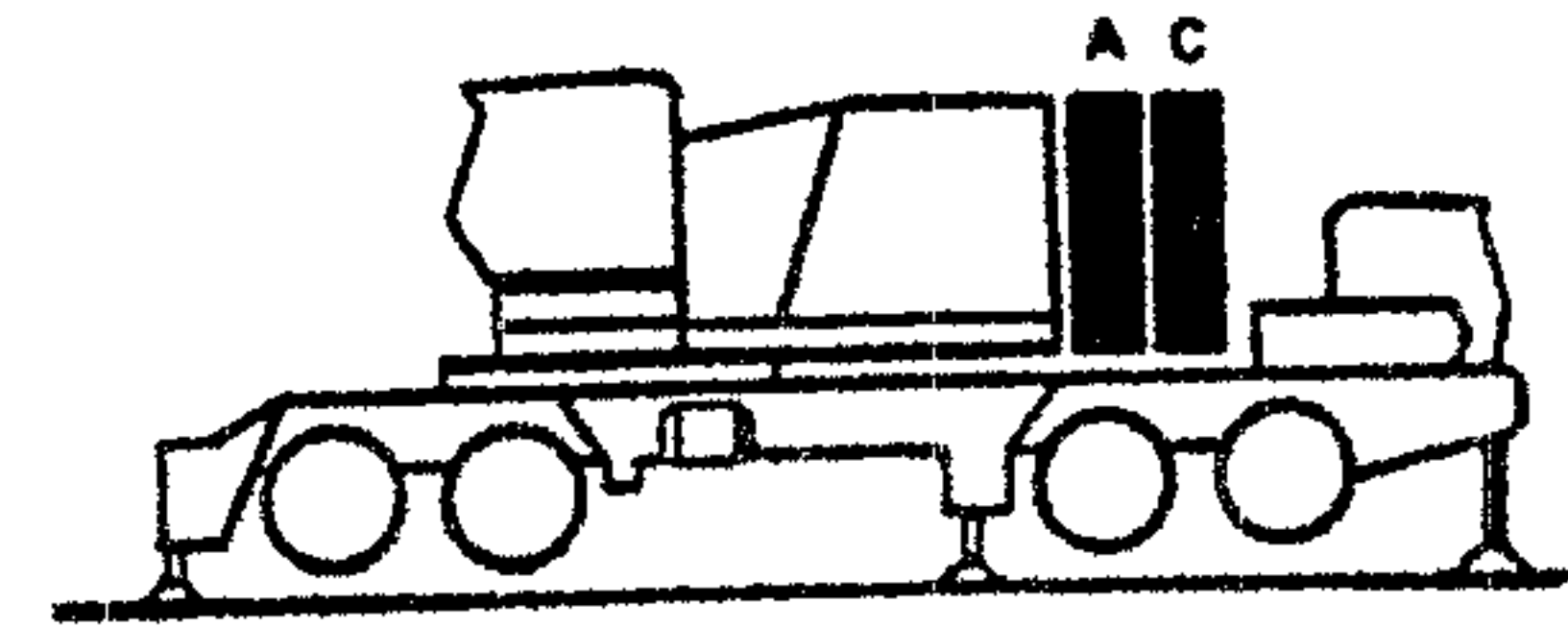
SERIAL NUMBER

A6-829-800187  
Pg. 1 of 1

HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C COUNTERWEIGHTS

COUNTERWEIGHT CONFIGURATION

BOOM ANGLES AND CAPACITIES - 360 DEGREE SWING														
BOOM LENGTH	LOAD RADIUS	30 ft. JIB						50 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
50	20	78.6	50,000											20
	25	75.0	50,000											25
	30	71.4	50,000											30
	35	67.7	50,000											35
	40	63.8	50,000											40
	45	59.9	50,000											45
	50	55.7	50,000											50
	60	46.7	43,200											60
	70	36.1	34,400											70
	80	21.6	28,100											80
	90													90
100													100	
60	20	79.9	50,000											20
	25	76.7	50,000											25
	30	73.5	50,000											30
	35	70.2	50,000											35
	40	66.9	50,000											40
	45	63.4	50,000											45
	50	59.9	50,000											50
	60	52.4	42,700											60
	70	44.0	33,900											70
	80	34.1	27,600											80
	90	20.4	22,900											90
100													100	
110													110	
70	25	78.0	50,000											25
	30	75.1	50,000											30
	35	72.2	50,000											35
	40	69.2	50,000											40
	45	66.2	50,000											45
	50	63.1	50,000											50
	60	56.6	42,300											60
	70	49.5	33,500											70
	80	41.7	27,300											80
	90	32.3	22,600											90
	100	19.3	18,900											100
110													110	
120													120	
80	25	79.1	50,000											25
	30	76.5	50,000											30
	35	73.8	50,000											35
	40	71.2	50,000											40
	45	68.4	50,000											45
	50	65.7	50,000											50
	60	59.9	41,900											60
	70	53.8	33,000											70
	80	47.1	26,800											80
	90	39.7	22,100											90
	100	30.8	18,400											100
110	18.4	15,500											110	
120													120	
130													130	

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

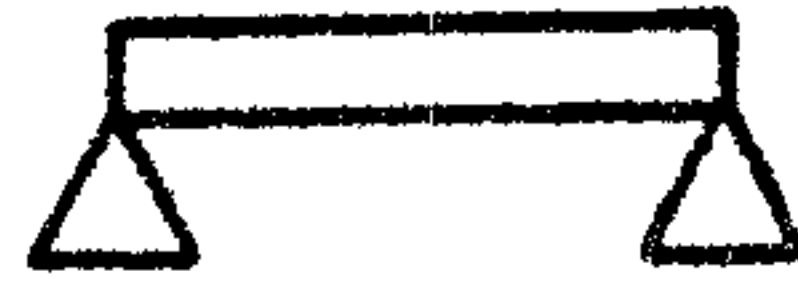
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

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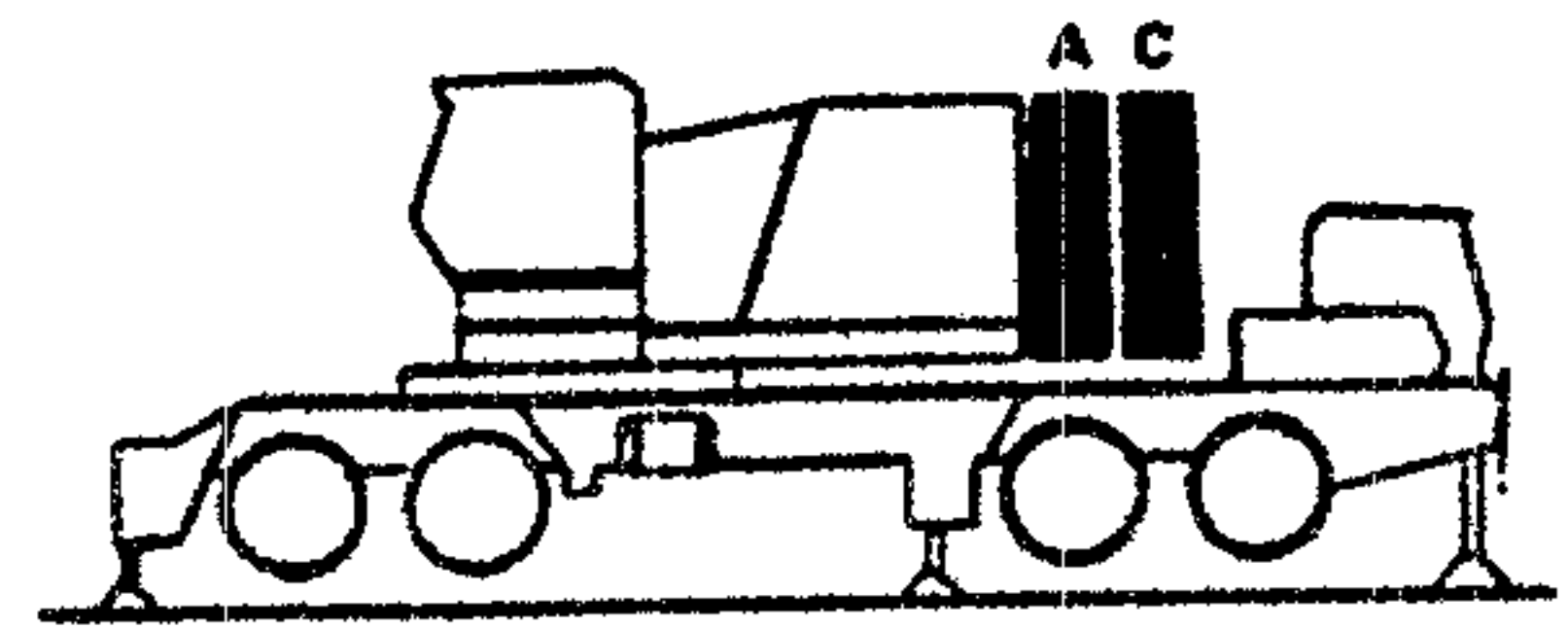
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C COUNTERWEIGHTS



COUNTERWEIGHT CONFIGURATION

BOOM ANGLES AND CAPACITIES - 360 DEGREE SWING														
BOOM LENGTH	LOAD RADIUS	30 ft. JIB						50 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
90	30	77.6	50,000					78.3	40,000					30
	35	75.2	50,000		78.6	50,000		76.2	40,000					35
	40	72.8	50,000		76.1	50,000		74.1	40,000					40
	45	70.3	50,000		73.6	50,000		72.0	40,000					45
	50	67.8	50,000		71.1	50,000		70.4	40,000					50
	60	62.6	41,600		65.9	41,600		67.6	40,000			77.2	23,600	60
	70	57.1	32,800		60.4	32,800		63.2	34,000			72.5	21,700	70
	80	51.4	26,500		54.6	26,500		58.5	27,600			67.9	30,600	80
	90	45.0	21,800		48.2	21,800		53.6	22,900			63.1	27,500	90
	100	37.9	18,200		41.0	18,200		50.8	21,800			58.1	22,900	100
	110	29.5	15,300		32.3	15,300		43.2	18,200			52.8	19,200	110
	120	17.7	12,900					42.5	16,300			46.9	16,300	120
	130							36.0	13,900			40.2	13,900	130
	140							28.2	11,900			32.0	11,900	140
100	30	78.6	50,000					79.1	40,000					30
	35	76.3	50,000		79.5	50,000		77.1	40,000					35
	40	74.1	50,000		77.2	50,000		75.2	40,000					40
	45	71.8	50,000		74.9	50,000		73.2	40,000			79.7	40,000	45
	50	69.5	50,000		72.6	50,000		70.8	40,500			77.7	40,000	50
	60	64.8	41,200		67.9	41,200		69.2	40,000			73.6	35,800	60
	70	59.9	32,300		62.9	32,300		65.1	33,500			69.5	31,800	70
	80	54.7	26,100		57.7	26,100		60.8	27,200			65.1	27,200	80
	90	49.2	21,400		52.2	21,400		56.3	22,400			60.6	22,400	90
	100	43.2	17,700		46.1	17,700		51.6	18,700			55.8	18,700	100
	110	36.4	14,800		39.2	14,800		46.5	15,800			50.7	15,800	110
	120	28.3	12,400		30.9	12,400		41.0	13,400			45.0	13,400	120
	130	17.0	10,400					34.7	11,400			38.6	11,400	130
	140							27.2	9,700			30.7	9,700	140
150							16.6	8,200					150	
110	30	79.4	50,000					79.7	40,000					30
	35	77.3	50,000					77.9	40,000					35
	40	75.2	50,000		78.2	50,000		76.1	40,000					40
	45	73.1	50,000		76.0	50,000		74.3	40,000					45
	50	71.0	50,000		73.9	50,000		72.6	45,400			78.5	40,000	50
	60	66.7	40,800		69.6	40,800		70.5	40,000			74.7	37,000	60
	70	62.2	31,900		65.1	31,900		66.7	33,100			70.9	33,000	70
	80	57.6	25,600		60.4	25,600		62.8	26,700			66.9	26,700	80
	90	52.6	20,900		55.4	20,900		58.7	22,000			62.7	22,000	90
	100	47.4	17,300		50.1	17,300		54.4	18,300			58.4	18,300	100
	110	41.6	14,400		44.2	14,400		49.9	15,300			53.8	15,300	110
	120	35.1	12,000		37.6	12,000		45.0	12,900			48.8	12,900	120
	130	27.3	10,000		29.6	10,000		39.6	10,900			43.3	10,900	130
	140	16.4	8,300					33.6	9,300			37.1	9,300	140
150							26.3	7,800			29.5	7,800	150	
160							16.1	6,500					160	

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

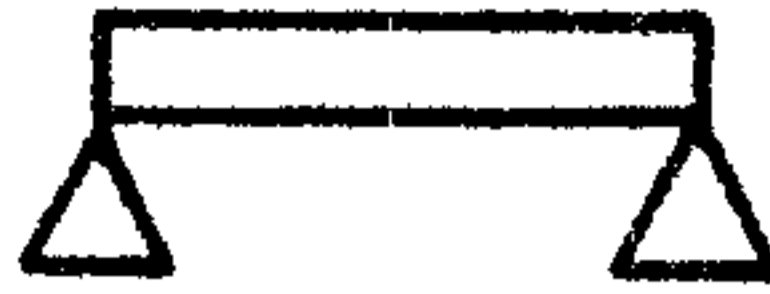
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

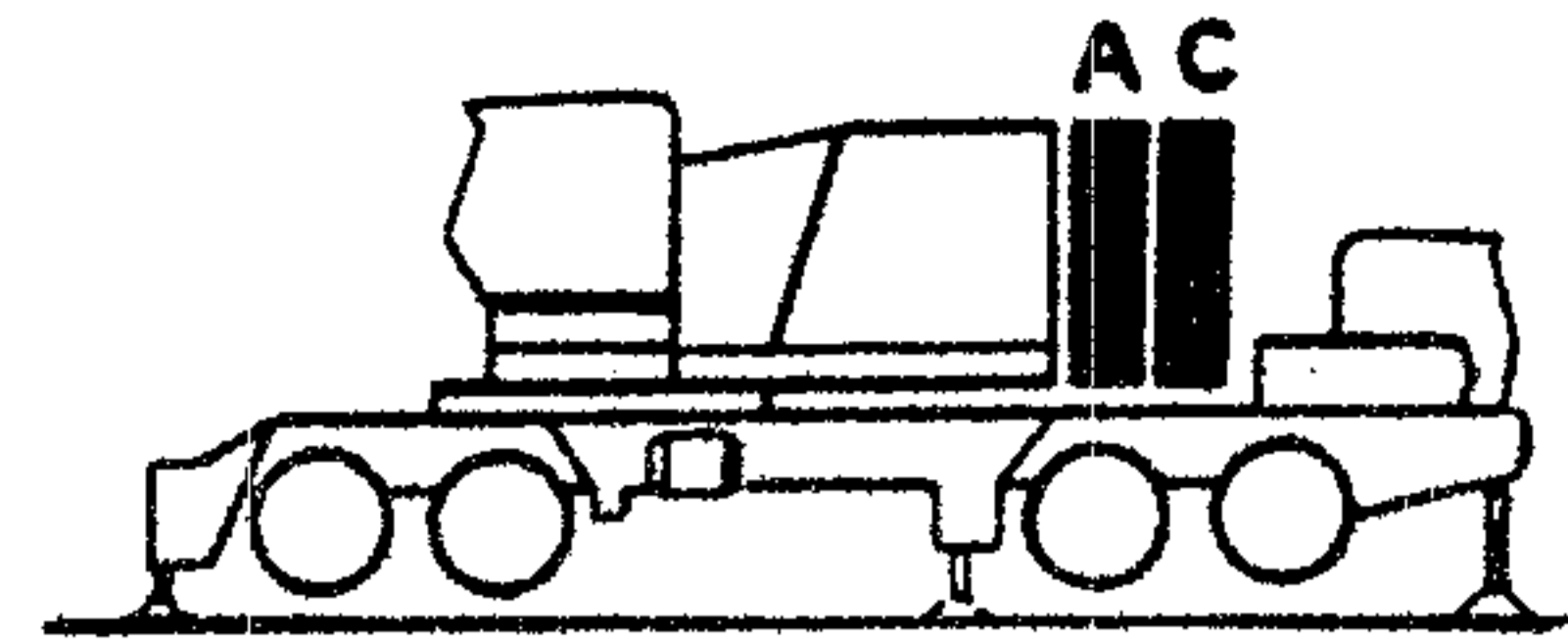
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C COUNTERWEIGHTS



COUNTERWEIGHT CONFIGURATION

BOOM ANGLES AND CAPACITIES - 360 DEGREE SWING																	
BOOM LENGTH	LOAD RADIUS	30 ft. JIB						50 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.	DEG	LBS.	FEET	
120	35	78.2	50,000														35
	40	76.2	50,000	79.0	50,000			78.6	40,000								40
	45	74.3	50,000	77.0	50,000	78.7	48,800	76.9	40,000								45
	50	72.3	50,000	75.0	50,000	77.7	46,300	75.2	40,000	79.2	40,000						50
	60	68.3	40,400	71.0	40,400	73.6	40,400	71.7	40,000	75.7	38,200	79.6	24,700				60
	70	64.2	31,500	66.8	31,500	69.4	31,500	68.1	32,700	72.1	32,700	75.9	22,900				70
	80	59.9	25,200	62.5	25,200	65.0	25,200	64.5	26,300	68.4	26,300	72.1	21,400				80
	90	55.5	20,500	58.1	20,500	60.4	20,500	60.7	21,500	64.5	21,500	68.1	20,200				90
	100	50.7	16,800	53.3	16,800	55.5	16,800	56.8	17,800	60.5	17,800	64.0	17,800				100
	110	45.7	13,900	48.2	13,900	50.2	13,900	52.6	14,900	56.4	14,900	59.7	14,900				110
	120	40.1	11,500	42.6	11,500	44.4	11,500	48.3	12,400	51.9	12,400	55.0	12,400				120
	130	33.9	9,500	36.2	9,500	37.7	9,500	43.6	10,400	47.1	10,400	50.0	10,400				130
	140	26.3	7,900	28.5	7,900			38.4	8,700	41.8	8,700	44.3	8,700				140
	150	15.8	6,400					32.5	7,300	35.8	7,300	37.7	7,300				150
160							25.5	6,000	28.4	6,000						160	
170							15.6	4,900								170	
130	35	78.9	50,000														35
	40	77.1	50,000	79.7	50,000			79.3	40,000								40
	45	75.3	50,000	77.8	50,000			77.7	40,000								45
	50	73.4	50,000	76.0	50,000	78.5	47,200	76.0	40,000	79.8	39,700						50
	60	69.7	40,000	72.2	40,000	74.7	40,000	72.8	40,000	76.5	38,100						60
	70	65.9	31,100	68.4	31,100	70.8	31,100	69.4	32,300	73.1	32,300	76.8	23,300				70
	80	62.0	24,800	64.4	24,800	66.7	24,800	66.0	25,900	69.7	25,900	73.2	21,800				80
	90	57.9	20,100	60.3	20,100	62.5	20,100	62.5	21,100	66.1	21,100	69.5	20,600				90
	100	53.6	16,500	56.0	16,500	58.1	16,500	58.8	17,400	62.4	17,400	65.7	17,400				100
	110	49.0	13,600	51.4	13,600	53.4	13,600	55.0	14,500	58.6	14,500	61.8	14,500				110
	120	44.2	11,200	46.5	11,200	48.3	11,200	51.1	12,100	54.5	12,100	57.5	12,100				120
	130	38.8	9,200	41.1	9,200	42.7	9,200	46.8	10,100	50.2	10,100	53.1	10,100				130
	140	32.8	7,600	35.0	7,600	36.2	7,600	42.3	8,400	45.6	8,400	48.2	8,400				140
	150	25.5	6,100	27.5	6,100			37.3	7,000	40.5	7,000	42.7	7,000				150
160	15.3	4,900					31.6	5,700	34.6	5,700	36.3	5,700				160	
170							24.7	4,600	27.5	4,600						170	
180							15.1	3,600								180	
140	35	79.6	50,000														35
	40	77.9	50,000					79.8	40,000								40
	45	76.1	50,000					78.3	40,000								45
	50	74.4	50,000	78.6	50,000	79.2	47,900	76.8	40,000	77.2	37,400						50
	60	70.9	39,600	73.3	39,600	75.7	39,600	73.7	40,000	74.0	31,900						60
	70	67.4	30,700	69.7	30,700	72.0	30,700	70.5	31,900	70.8	25,500	77.5	23,600				70
	80	63.7	24,400	66.1	24,400	68.2	24,400	67.3	25,500	70.8	25,500	74.2	22,200				80
	90	59.9	19,700	62.2	19,700	64.4	19,700	64.0	20,700	67.5	20,700	70.8	20,700				90
	100	56.0	16,000	58.3	16,000	60.3	16,000	60.6	17,000	64.0	17,000	67.2	17,000				100
	110	51.9	13,100	54.1	13,100	56.1	13,100	57.1	14,000	60.5	14,000	63.5	14,000				110
	120	47.5	10,700	49.7	10,700	51.5	10,700	53.5	11,600	56.8	11,600	59.7	11,600				120
	130	42.8	8,800	45.0	8,800	46.6	8,800	49.6	9,600	52.9	9,600	55.6	9,600				130
	140	37.6	7,100	39.8	7,100	41.2	7,100	45.5	7,900	48.7	7,900	51.3	7,900				140
	150	31.8	5,700	33.8	5,700	35.0	5,700	41.1	6,500	44.2	6,500	46.5	6,500				150
160	24.7	4,400	26.6	4,400			36.2	5,200	39.2	5,200	41.2	5,200				160	
170	14.8	3,300					30.7	4,100	33.6	4,100	33.6	4,100				170	
180							24.0	3,200	26.6	3,200						180	
190							14.7	2,300								190	

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

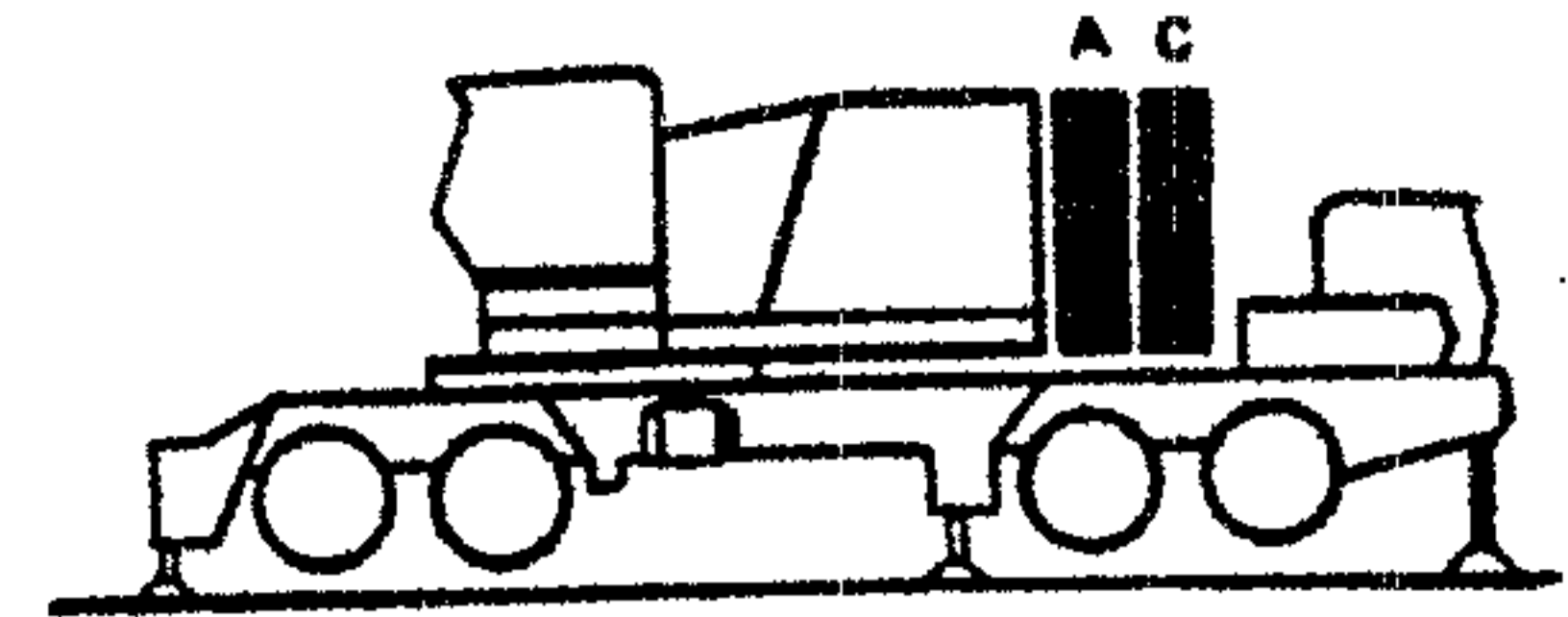
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C COUNTERWEIGHTS



COUNTERWEIGHT CONFIGURATION

BOOM ANGLES AND CAPACITIES - 360 DEGREE SWING																	
BOOM LENGTH	LOAD RADIUS	30 ft. JIB						50 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.	DEG	LBS.	FEET	
150	40	78.5	50,000														40
	45	76.9	50,000														45
	50	75.3	50,000														50
	60	72.0	39,200														60
	70	68.7	30,300														70
	80	65.3	24,000														80
	90	61.7	19,300														90
	100	58.1	15,600														100
	110	54.3	12,700														110
	120	50.3	10,300														120
	130	46.1	8,300														130
	140	41.5	6,700														140
	150	36.5	5,200														150
	160	30.9	4,000														160
	170	24.0	2,900														170
180	14.4	2,000														180	
160	40	79.1	50,000														40
	45	77.6	50,000														45
	50	76.1	50,000														50
	60	73.0	38,900														60
	70	69.8	29,900														70
	80	66.6	23,600														80
	90	63.3	18,900														90
	100	59.9	15,200														100
	110	56.4	12,200														110
	120	52.8	9,900														120
	130	48.9	7,900														130
	140	44.8	6,200														140
	150	40.4	4,800														150
	160	35.5	3,500														160
	170	30.0	2,400														170
180																180	
SEE NOTE 6! ON OUTRIGGERS EQUIPPED WITH JIB																	
170	40	79.7	50,000														40
	45	78.2	50,000														45
	50	76.8	50,000														50
	60	73.9	38,500														60
	70	70.9	29,600														70
	80	67.8	23,200														80
	90	64.8	18,500														90
	100	61.6	14,800														100
	110	58.3	11,900														110
	120	54.9	9,500														120
	130	51.3	7,500														130
	140	47.6	5,800														140
	150	43.6	4,400														150
	160	39.4	3,200														160
	170	34.6	2,100														170

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

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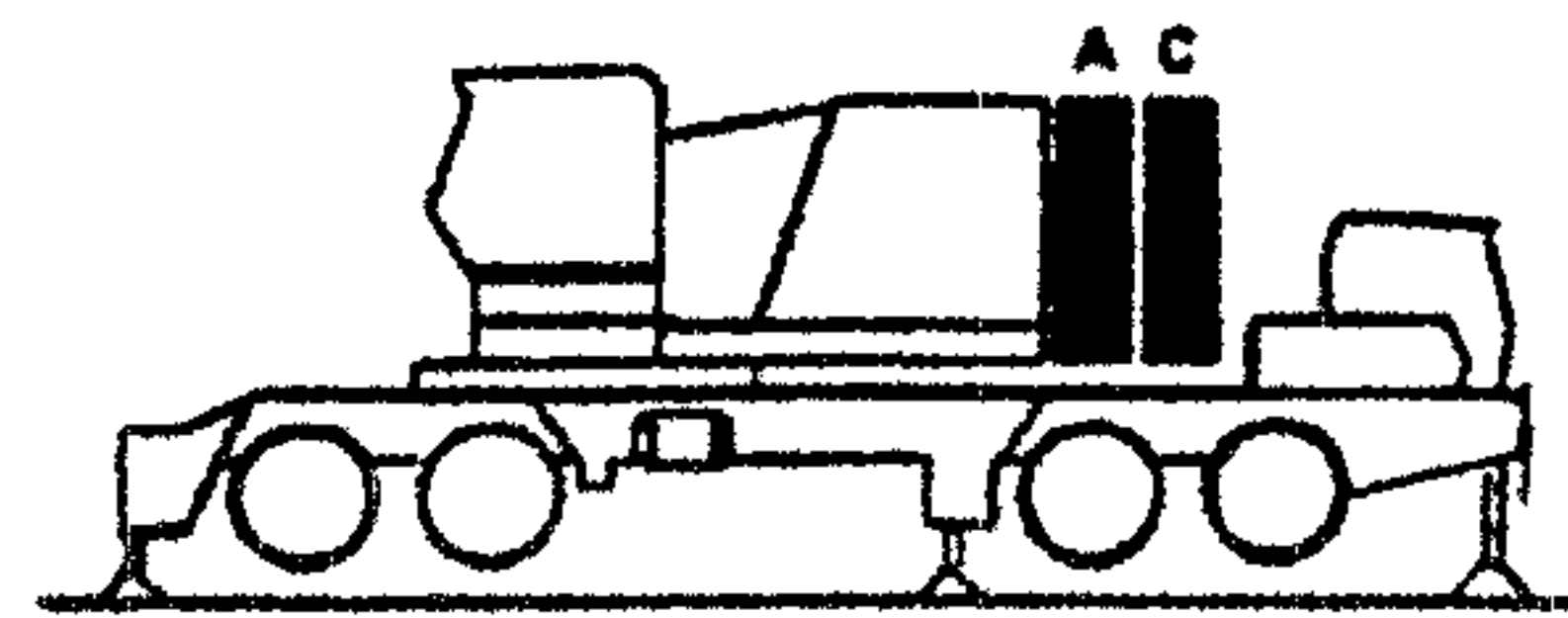
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C COUNTERWEIGHTS



COUNTERWEIGHT CONFIGURATION

BOOM ANGLES AND CAPACITIES - 360 DEGREE SWING																
BOOM LENGTH	LOAD RADIUS	30 ft. JIB						50 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.	DEG	LBS.	FEET
<b>SEE NOTE 6! ON OUTRIGGERS EQUIPPED WITH JIB</b>																
180	45	78.8	50,000							79.1	40,000					45
	50	77.4	50,000	79.4	50,000					79.1	40,000					50
	60	74.6	38,100	76.6	38,100	78.5	38,100	76.6	39,400	79.5	33,100					60
	70	71.8	29,200	73.7	29,200	75.6	29,200	74.0	30,300	76.9	30,300	79.8	24,600			70
	80	68.9	22,800	70.9	22,800	72.7	22,800	71.4	23,900	74.3	23,900	77.2	23,300			80
	90	66.0	18,100	67.9	18,100	69.7	18,100	68.8	19,000	71.6	19,000	74.4	19,000			90
	100	63.0	14,400	64.9	14,400	66.7	14,400	66.1	15,300	68.9	15,300	71.7	15,300			100
	110	59.9	11,500	61.8	11,500	63.5	11,500	63.3	12,300	66.2	12,300	68.8	12,300			110
	120	56.8	9,100	58.6	9,100	60.3	9,100	60.5	9,900	63.3	9,900	65.9	9,900			120
	130	53.5	7,100	55.3	7,100	56.9	7,100	57.6	7,900	60.4	7,900	62.9	7,900			130
	140	50.0	5,400	51.8	5,400	53.3	5,400	54.6	6,200	57.4	6,200	59.8	6,200			140
	150	46.4	3,900	48.2	3,900	49.6	3,900	51.5	4,700	54.2	4,700	56.5	4,700			150
	160	42.5	2,700	44.3	2,700	45.6	2,700	48.3	3,400	50.9	3,400	53.1	3,400			160
170							44.8	2,300	47.4	2,300	49.4	2,300			170	
190	45	79.3	50,000							79.6	40,000					45
	50	78.0	50,000	79.9	47,800					79.6	40,000					50
	60	75.3	37,700	77.2	37,700	79.0	37,700	77.1	37,500	80.0	31,700					60
	70	72.7	28,800	74.5	28,800	76.3	28,800	74.7	29,900	77.5	29,900	77.7	23,500			70
	80	69.9	22,400	71.8	22,400	73.5	22,400	72.2	23,500	75.0	23,500	75.1	18,600			80
	90	67.2	17,700	69.0	17,700	70.7	17,700	69.7	18,600	72.5	18,600	72.5	14,900			90
	100	64.3	14,000	66.1	14,000	67.8	14,000	67.1	14,900	69.9	14,900	72.5	14,900			100
	110	61.4	11,000	63.2	11,000	64.9	11,000	64.5	11,900	67.2	11,900	69.8	11,900			110
	120	58.4	8,600	60.2	8,600	61.8	8,600	61.9	9,500	64.6	9,500	67.0	9,500			120
	130	55.4	6,600	57.1	6,600	58.7	6,600	59.1	7,400	61.8	7,400	64.2	7,400			130
	140	52.2	4,900	53.9	4,900	55.4	4,900	56.3	5,700	58.9	5,700	61.3	5,700			140
	150	48.8	3,500	50.5	3,500	51.9	3,500	53.4	4,300	56.0	4,300	58.2	4,300			150
	160	45.3	2,300	47.0	2,300	48.3	2,300	50.3	3,000	52.9	3,000	55.1	3,000			160
200	45	79.8	50,000							80.0	38,500					45
	50	78.5	48,100							80.0	38,500					50
	60	76.0	37,400	77.8	37,400	79.5	36,000	77.7	35,100	78.0	28,100					60
	70	73.4	28,400	75.2	28,400	76.9	28,400	75.3	29,600	76.0	28,100	78.3	22,600			70
	80	70.8	22,000	72.6	22,000	74.3	22,000	72.9	23,100	75.6	23,100	75.8	18,200			80
	90	68.2	17,200	69.9	17,200	71.6	17,200	70.5	18,200	73.2	18,200	73.3	14,500			90
	100	65.5	13,500	67.2	13,500	68.9	13,500	68.1	14,500	70.7	14,500	70.7	11,500			100
	110	62.8	10,600	64.5	10,600	66.1	10,600	65.6	11,500	68.2	11,500	68.1	9,000			110
	120	59.9	8,200	61.7	8,200	63.2	8,200	63.1	9,000	65.7	9,000	65.4	7,000			120
	130	57.0	6,200	58.7	6,200	60.2	6,200	60.5	7,000	63.1	7,000	62.6	5,300			130
	140	54.1	4,500	55.7	4,500	57.2	4,500	57.8	5,300	60.4	5,300	59.8	3,800			140
	150	50.9	3,000	52.6	3,000	54.0	3,000	55.1	3,800	57.6	3,800	56.8	2,500			150
	160							52.2	2,500	54.7	2,500	56.8	2,500			160
210	50	79.0	43,200							78.1	32,600					50
	60	76.6	37,000	78.3	36,500	80.0	33,700	78.1	32,600	78.5	26,100					60
	70	74.1	28,000	75.8	28,000	77.5	28,000	75.9	29,200	76.2	22,700	78.7	21,300			70
	80	71.7	21,600	73.3	21,600	75.0	21,600	73.6	22,700	76.2	22,700	76.4	17,800			80
	90	69.1	16,800	70.8	16,800	72.4	16,800	71.3	17,800	73.9	17,800	74.0	14,100			90
	100	66.6	13,200	68.3	13,200	69.8	13,200	69.0	14,100	71.5	14,100	71.5	11,100			100
	110	64.0	10,200	65.6	10,200	67.2	10,200	66.6	11,100	69.1	11,100	69.0	8,600			110
	120	61.3	7,800	63.0	7,800	64.4	7,800	64.2	8,600	66.7	8,600	66.5	6,600			120
	130	58.6	5,800	60.2	5,800	61.7	5,800	61.7	6,600	64.2	6,600	63.9	4,900			130
	140	55.8	4,100	57.4	4,100	58.8	4,100	59.2	4,900	61.7	4,900	61.2	3,400			140
	150	52.8	2,700	54.4	2,700	55.8	2,700	56.6	3,400	59.0	3,400	58.4	2,100			150
	160							53.9	2,100	56.3	2,100	58.4	2,100			160

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

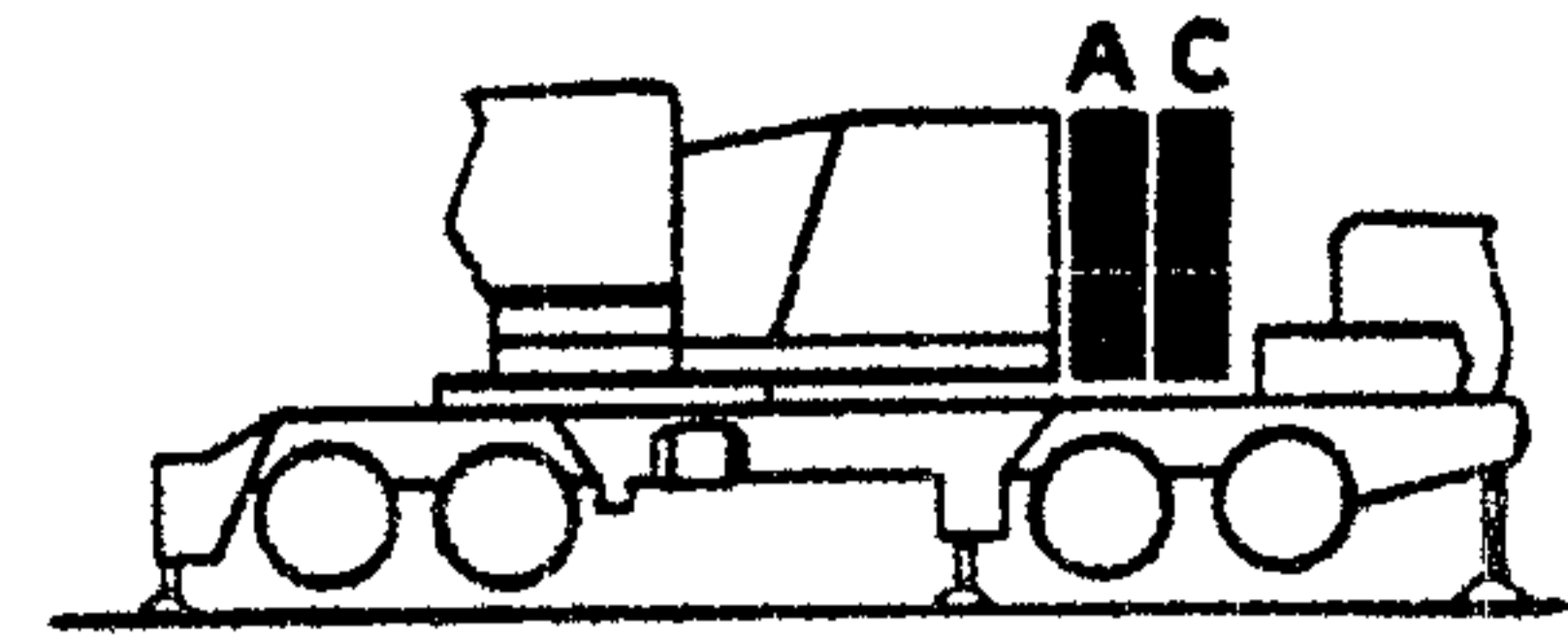
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C 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.	DEG	LBS.	FEET	
50	30	79.1	30,000														30
	35	76.7	30,000														35
	40	74.2	30,000														40
	45	71.8	30,000														45
	50	69.2	30,000														50
	60	64.1	29,400														60
	70	58.6	24,600														70
	80	52.8	21,000														80
	90	46.5	18,300														90
	100	39.4	16,200														100
	110	30.9	14,500														110
	120	19.1	13,200														120
	130																130
	140																140
60	30	79.9	30,000														30
	35	77.7	30,000														35
	40	75.5	30,000														40
	45	73.2	30,000														45
	50	70.9	30,000														50
	60	68.2	30,000														60
	70	61.3	26,700														70
	80	56.1	22,800														80
	90	50.6	19,900														90
	100	44.8	17,600														100
	110	37.8	15,800														110
	120	29.6	14,300														120
	130	18.3	13,100														130
	140																140
150																150	
70	35	78.8	30,000														35
	40	76.5	30,000														40
	45	74.4	30,000														45
	50	72.3	30,000														50
	60	68.0	30,000														60
	70	63.5	28,800														70
	80	58.8	24,600														80
	90	53.9	21,500														90
	100	48.6	19,100														100
	110	42.9	17,100														110
	120	36.3	15,400														120
	130	28.5	13,400														130
	140	17.6	11,700														140
	150																150
160																160	

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

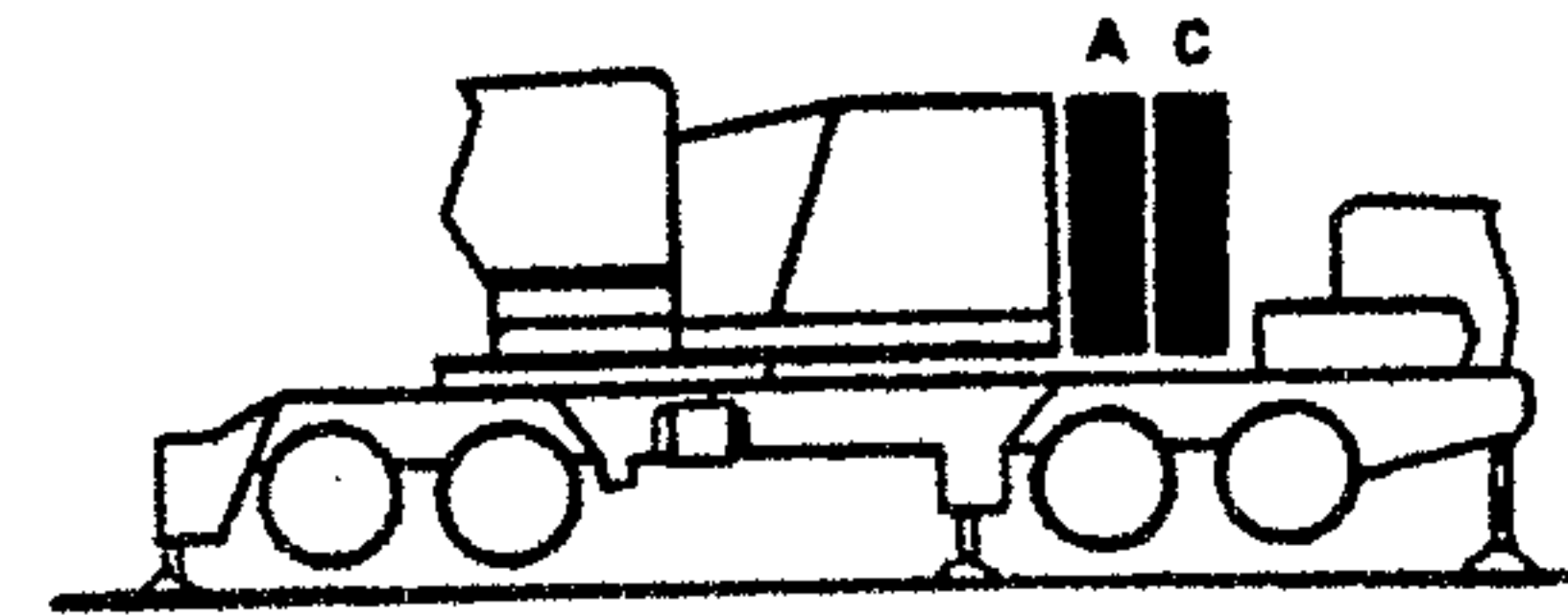
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C 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
80	35	79.4	30,000					78.7	20,000					35
	40	77.4	30,000					77.0	20,000					40
	45	75.5	30,000					75.3	20,000					45
	50	73.5	30,000					71.8	20,000					50
	60	69.5	30,000	79.9	28,300			68.2	20,000	79.0	19,500			60
	70	65.4	29,800	75.8	26,500			64.6	20,000	75.4	18,500			70
	80	61.1	26,500	71.6	23,300	78.0	15,800	60.8	19,100	71.7	17,400	79.2	11,800	80
	90	56.6	23,100	67.3	20,700	73.5	14,500	56.8	15,900	67.9	15,600	75.2	10,800	90
	100	51.9	20,200	62.8	18,700	68.8	13,400	52.7	12,900	63.9	14,100	71.1	9,900	100
	110	46.9	17,300	58.0	17,000	63.8	12,500	48.3	11,800	59.7	12,800	66.7	9,200	110
	120	41.3	14,900	52.8	15,700	58.3	11,800	43.6	10,800	55.3	11,800	62.0	8,600	120
	130	35.0	12,900	47.1	14,600	52.2	11,200	38.5	11,500	50.5	10,900	56.9	8,100	130
	140	27.5	11,200	40.7	12,900	45.1	10,800	32.6	10,100	45.2	10,200	51.2	7,700	140
	150	16.9	9,700	32.8	11,200			25.5	8,800	39.2	8,600	44.5	7,500	150
160							15.7	7,800	31.8	8,800			160	
170													170	
90	40	78.2	30,000					79.3	20,000					40
	45	76.4	30,000					77.7	20,000					45
	50	74.6	30,000					76.1	20,000					50
	60	70.8	30,000					72.8	20,000					60
	70	67.0	30,000	78.8	26,800			69.5	20,000	79.7	19,500			70
	80	63.1	28,300	72.9	24,100	78.9	16,100	66.0	20,000	76.3	18,500	79.9	11,900	80
	90	59.0	23,500	68.9	21,600	74.7	14,800	62.5	19,400	72.8	17,600	76.2	11,000	90
	100	54.7	19,800	64.7	19,500	70.4	13,700	58.9	18,400	69.3	16,100	72.3	10,100	100
	110	50.2	16,900	60.4	17,800	65.9	12,800	55.1	17,000	65.6	14,600	72.3	10,100	110
	120	45.3	14,500	55.8	16,400	61.0	12,100	51.1	14,800	61.7	13,400	68.3	9,400	120
	130	39.9	12,500	50.8	14,500	55.7	11,500	46.9	12,800	57.7	12,300	64.1	8,800	130
	140	33.9	10,800	45.3	12,500	49.8	11,000	42.3	11,100	53.4	11,400	59.5	8,300	140
	150	26.6	9,400	39.1	10,800	42.9	10,700	37.3	9,700	48.8	10,600	54.6	7,900	150
	160	16.4	8,100	31.4	9,400			31.6	8,500	43.6	9,700	49.0	7,600	160
170							24.8	7,400	37.8	8,500	42.5	7,400	170	
180							15.2	6,400	30.6	7,400			180	
100	40	78.9	30,000					79.9	20,000					40
	45	77.2	30,000					78.4	20,000					45
	50	75.5	30,000					76.8	20,000					50
	60	72.0	30,000					73.7	20,000					60
	70	68.4	30,000	77.6	26,700			70.6	20,000	77.1	18,500			70
	80	64.8	27,800	74.0	24,900	79.6	16,300	67.4	20,000	73.8	17,600			80
	90	61.0	23,000	70.3	22,300	75.8	15,100	64.1	19,500	70.5	16,700	77.0	11,100	90
	100	57.0	19,300	66.4	20,200	71.8	14,000	60.7	18,700	67.0	15,200	73.5	10,300	100
	110	52.9	16,400	62.4	18,500	67.6	13,100	57.2	16,700	63.5	13,900	69.7	9,600	110
	120	48.5	14,000	58.2	16,400	63.2	12,400	53.5	14,300	59.8	12,800	65.9	9,000	120
	130	43.8	12,000	53.8	14,000	58.5	11,800	49.7	12,300	55.8	11,800	61.7	8,500	130
	140	38.7	10,300	49.0	12,000	53.4	11,200	45.6	10,600	51.7	10,600	57.3	8,100	140
	150	32.8	8,800	43.7	10,300	47.7	10,300	41.1	9,200	47.2	9,200	52.5	7,800	150
	160	25.7	7,600	37.6	8,800	41.0	8,800	36.3	7,900	42.2	7,900	47.1	7,500	160
170	15.8	6,500	30.2	7,600			30.8	6,800	36.5	6,800	40.7	6,800	170	
180							24.1	5,900	29.5	5,900			180	
190							14.8	5,000					190	

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

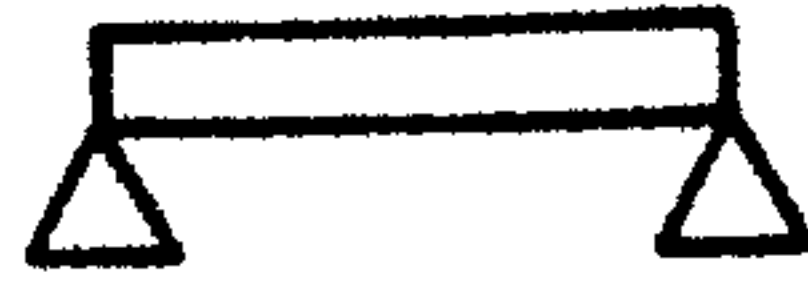
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

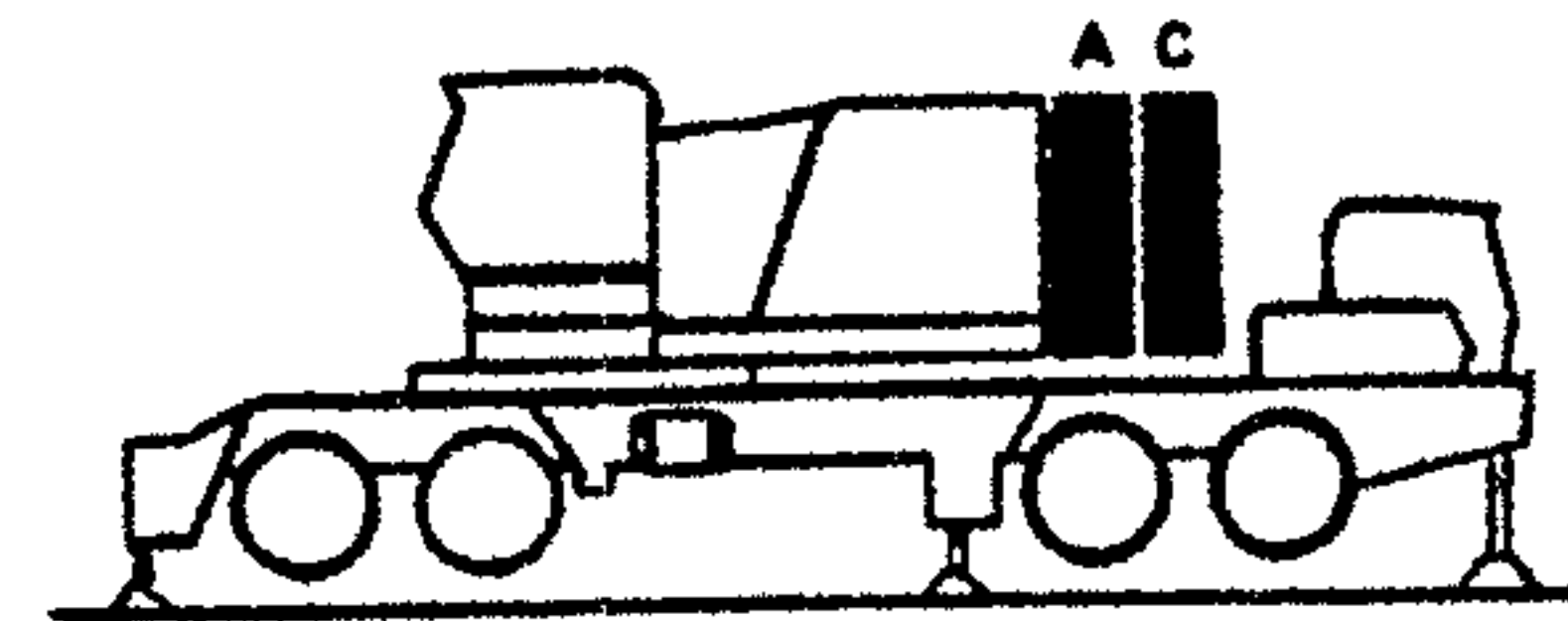
HL150T  
IDENTIFICATION



## 32A JIB CAPACITIES – ON OUTRIGGERS 360° FOR 76A BOOM 85% STABILITY



CAPACITY IN POUNDS  
WITH A C 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.	DEG	LBS.	FEET
110	40	79.5	30,000					79.0	20,000							40
	45	77.9	30,000					77.5	20,000							45
	50	76.3	30,000					74.6	20,000							50
	60	73.0	30,000					71.6	20,000							60
	70	69.7	30,000	78.3	26,500			68.6	20,000	77.7	18,400					70
	80	66.3	27,400	74.9	25,400			65.5	20,000	74.7	17,600					80
	90	62.7	22,600	71.4	23,100	76.7	15,300	62.3	19,000	71.5	16,800	77.8	11,300			90
	100	59.1	18,900	67.9	20,900	73.0	14,300	59.0	16,200	68.3	15,700	74.4	10,500			100
	110	55.3	15,900	64.2	18,900	69.1	13,400	55.6	13,800	65.0	14,300	71.0	9,800			110
	120	51.3	13,500	60.3	15,900	65.1	12,600	52.1	11,800	61.6	13,200	67.4	9,200			120
	130	47.1	11,500	56.3	13,500	60.9	12,000	58.0	11,800	58.0	11,800	63.6	8,700			130
	140	42.5	9,800	52.0	11,500	56.3	11,500	54.2	10,100	54.2	10,100	59.6	8,300			140
	150	37.5	8,400	47.3	9,800	51.4	9,800	50.1	8,700	50.1	8,700	55.3	7,900			150
	160	31.8	7,100	42.2	8,400	45.8	8,400	45.7	7,400	45.7	7,400	50.6	7,400			160
	170	25.0	6,000	36.3	7,100	39.2	7,100	40.9	6,400	40.9	6,400	45.3	6,400			170
180	15.4	5,100	29.1	6,000			35.3	6,400	35.3	6,400	39.0	5,400			180	
190							30.0	5,400	28.5	4,600					190	
200							23.5	4,600							200	
							14.4	3,800								
120	45	78.6	30,000					79.5	20,000							45
	50	77.0	30,000					78.1	20,000							50
	60	73.9	30,000	78.9	26,200			75.3	20,000							60
	70	70.8	30,000	75.8	25,200			72.5	20,000	78.4	18,200					70
	80	67.6	26,900	72.5	23,700	77.5	15,500	69.6	20,000	75.5	17,500					80
	90	64.3	22,100	69.2	21,600	74.0	14,500	66.7	20,000	72.5	16,700	78.4	11,400			90
	100	60.9	18,400	65.7	18,400	70.4	13,600	63.7	18,700	69.5	16,100	75.3	10,600			100
	110	57.4	15,400	62.2	15,400	66.7	12,900	60.6	15,700	66.4	14,800	72.0	10,000			110
	120	53.7	13,000	58.4	13,000	62.8	12,300	57.4	13,300	63.1	13,300	68.7	9,400			120
	130	49.8	11,000	54.5	11,000	58.7	11,000	54.1	11,300	59.8	11,300	65.2	8,900			130
	140	45.7	9,300	50.3	9,300	54.3	9,300	50.7	9,600	56.3	9,600	61.5	8,500			140
	150	41.3	7,900	45.8	7,900	49.5	7,900	47.1	8,200	52.6	8,200	57.6	8,100			150
	160	36.5	6,600	40.8	6,600	44.1	6,600	43.2	6,900	48.7	6,900	53.5	6,900			160
	170	31.0	5,500	35.1	5,500	37.7	5,500	39.0	5,800	44.4	5,800	48.9	5,800			170
	180	24.3	4,500	28.1	4,500			34.4	4,900	39.7	4,900	43.7	4,900			180
190	14.9	3,700					29.2	4,000	34.2	4,000	37.5	4,000			190	
200							22.9	3,300	27.6	3,300					200	
130	45	79.1	30,000					80.0	20,000							45
	50	77.7	30,000					78.6	20,000							50
	60	74.8	30,000	79.5	25,900			76.0	20,000							60
	70	71.8	30,000	76.5	24,900			73.3	20,000	78.9	18,000					70
	80	68.7	26,500	73.4	23,900	78.2	15,700	70.6	20,000	76.2	17,300					80
	90	65.6	21,700	70.3	21,700	74.9	14,700	67.8	20,000	73.4	16,600	79.0	11,500			90
	100	62.5	18,000	67.1	18,000	71.6	13,900	65.0	18,300	70.5	16,000	76.0	10,800			100
	110	59.2	15,100	63.8	15,100	68.1	13,100	62.1	15,300	67.6	15,300	73.0	10,100			110
	120	55.8	12,600	60.3	12,600	64.5	12,500	59.1	12,900	64.5	12,900	69.9	9,600			120
	130	52.2	10,600	56.7	10,600	60.8	10,600	56.0	10,900	61.4	10,900	66.6	9,000			130
	140	48.5	8,900	52.9	8,900	56.8	8,900	52.8	9,200	58.2	9,200	63.2	8,600			140
	150	44.5	7,500	48.9	7,500	52.5	7,500	49.5	7,800	54.8	7,800	59.6	7,800			150
	160	40.2	6,200	44.5	6,200	47.8	6,200	45.9	6,500	51.2	6,500	55.8	6,500			160
	170	35.5	5,100	39.6	5,100	42.5	5,100	42.2	5,400	47.3	5,400	51.8	5,400			170
	180	30.1	4,200	34.0	4,200	36.3	4,200	38.1	4,500	43.2	4,500	47.3	4,500			180
190	23.6	3,300	27.2	3,300			33.6	3,600	38.6	3,600	42.2	3,600			190	
200	14.5	2,600					28.5	2,900	33.3	2,900	36.2	2,900			200	

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

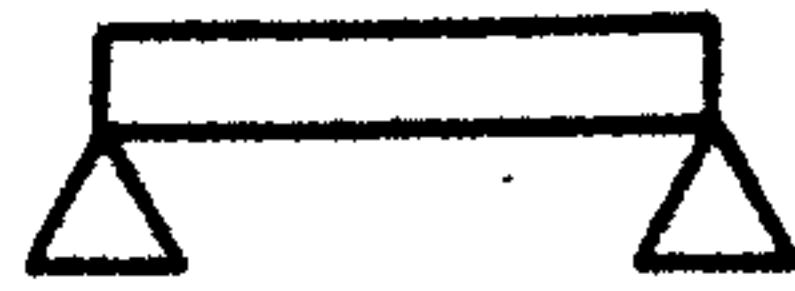
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

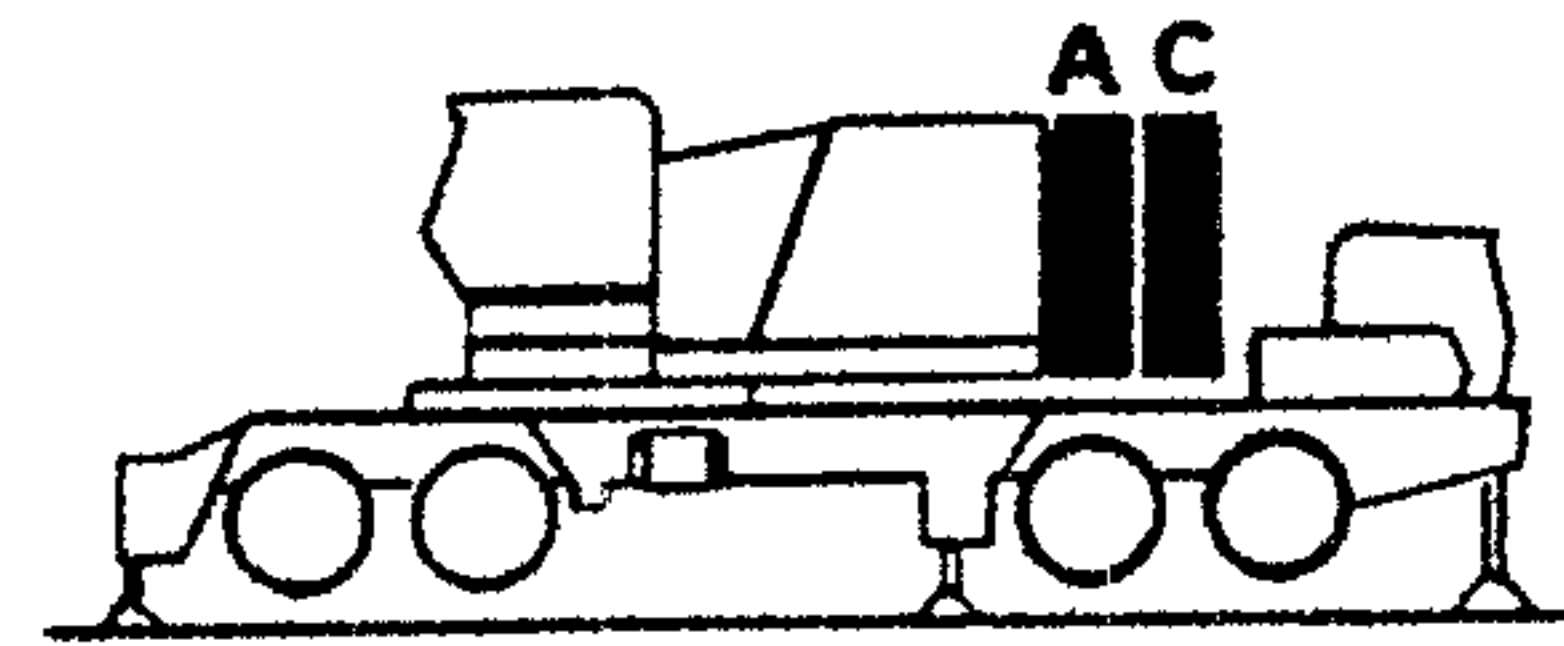
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C 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
140	45	79.7	30,000					79.1	20,000					45
	50	78.3	30,000					76.6	20,000					50
	60	75.5	30,000					74.1	20,000					60
	70	72.7	30,000					71.5	20,000					70
	80	69.8	26,100	77.2	24,500	78.8	15,900	68.8	20,000	79.4	17,800			80
	90	66.9	21,300	74.3	23,600	75.7	14,900	74.1	16,500	76.8	17,100	79.5	11,700	90
	100	63.9	17,600	71.3	21,300	72.6	14,100	71.4	15,800	74.1	16,500	76.7	10,900	100
	110	60.8	14,600	68.3	17,600	69.4	13,300	66.1	17,900	68.6	14,900	73.9	10,300	110
	120	57.6	12,200	65.2	14,600	66.0	12,200	63.4	14,900	65.8	12,500	70.9	9,700	120
	130	54.3	10,200	61.9	12,200	62.5	10,200	60.6	12,500	62.8	10,400	67.9	9,200	130
	140	50.9	8,500	58.6	10,200	58.9	8,500	57.7	10,400	59.8	8,700	64.7	8,700	140
	150	47.2	7,000	55.1	8,500	55.0	7,000	54.7	8,700	56.6	7,300	61.4	7,300	150
	160	43.4	5,700	51.4	7,000	50.8	5,700	51.6	7,300	53.3	6,000	57.9	6,000	160
	170	39.2	4,600	47.5	5,700	46.2	4,600	48.3	6,000	49.8	4,900	54.2	4,900	170
	180	34.6	3,700	43.2	4,600	41.1	3,700	44.9	4,900	46.1	4,000	50.2	4,000	180
	190	29.4	2,800	38.5	3,700			37.2	3,100	42.0	3,100	45.8	3,100	190
200	23.1	2,100	33.0	2,800			32.9	2,400	37.5	2,400	40.8	2,400	200	
SEE NOTE 6! ON OUTRIGGERS EQUIPPED WITH A JIB														
150	50	78.8	30,000					79.6	20,000					50
	60	76.2	30,000					77.2	20,000					60
	70	73.5	30,000					74.7	20,000					70
	80	70.7	25,700	77.8	24,000	79.3	16,000	72.3	20,000	77.4	16,800			80
	90	68.0	20,900	75.0	23,100	76.4	15,100	69.7	20,000	74.8	16,200	77.4	11,000	90
	100	65.1	17,100	72.2	20,900	73.5	14,300	67.2	17,400	72.2	15,600	74.6	10,400	100
	110	62.2	14,200	69.4	17,100	70.5	13,500	64.6	14,400	69.6	14,400	71.8	9,800	110
	120	59.3	11,700	66.4	14,200	67.3	11,700	61.9	12,000	66.9	12,000	69.0	9,300	120
	130	56.2	9,700	63.4	11,700	64.1	9,700	59.2	10,000	64.1	10,000	66.0	8,300	130
	140	53.0	8,000	60.3	9,700	60.7	8,000	56.3	8,300	61.3	8,300	62.9	6,800	140
	150	49.6	6,500	57.0	8,000	57.1	6,500	53.4	6,800	58.3	6,800	59.7	5,600	150
	160	46.1	5,300	53.6	6,500	53.3	5,300	50.4	5,600	55.2	5,600	56.3	4,500	160
	170	42.3	4,200	50.0	5,300	49.3	4,200	47.2	4,500	52.0	4,500	52.7	3,500	170
	180	38.3	3,200	46.2	4,200	44.8	3,200	43.9	3,500	48.6	3,500	48.8	2,700	180
	190	33.8	2,400	42.0	3,200	39.8	2,400	40.3	2,700	44.9	2,700			190
	SEE NOTE 6! ON OUTRIGGERS EQUIPPED WITH A JIB													
160	50	78.3	30,000					77.7	20,000					50
	60	76.8	30,000					75.4	20,000					60
	70	74.2	29,400					73.0	20,000					70
	80	71.6	25,300	78.3	23,500	79.8	16,200	70.6	19,700	77.9	16,500			80
	90	69.0	20,400	75.7	22,600	77.1	15,300	68.1	17,000	75.5	15,900	77.9	11,100	90
	100	66.3	16,700	73.0	20,400	74.3	14,400	65.7	14,000	73.0	15,300	75.3	10,500	100
	110	63.5	13,700	70.3	16,700	71.4	13,700	63.1	11,500	70.5	14,000	72.7	10,000	110
	120	60.7	11,300	67.6	13,700	68.5	11,300	60.5	9,500	67.9	11,500	70.0	9,500	120
	130	57.8	9,200	64.7	11,300	65.4	9,200	57.9	7,800	65.3	9,500	67.2	7,800	130
	140	54.8	7,500	61.8	9,200	62.3	7,500	55.1	6,300	62.6	7,800	64.3	6,300	140
	150	51.7	6,100	58.7	7,500	59.0	6,100	52.3	5,100	59.8	6,300	61.2	5,100	150
	160	48.5	4,800	55.6	6,100	55.5	4,800	49.3	4,000	56.9	5,100	58.1	4,000	160
	170	45.0	3,700	52.3	4,800	51.8	3,700	46.2	3,000	53.9	4,000	54.8	3,000	170
	180	41.3	2,700	48.8	3,700	47.9	2,700	42.9	2,100	50.8	3,000	51.2	2,100	180
	190			45.0	2,700					47.4	2,100			190

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

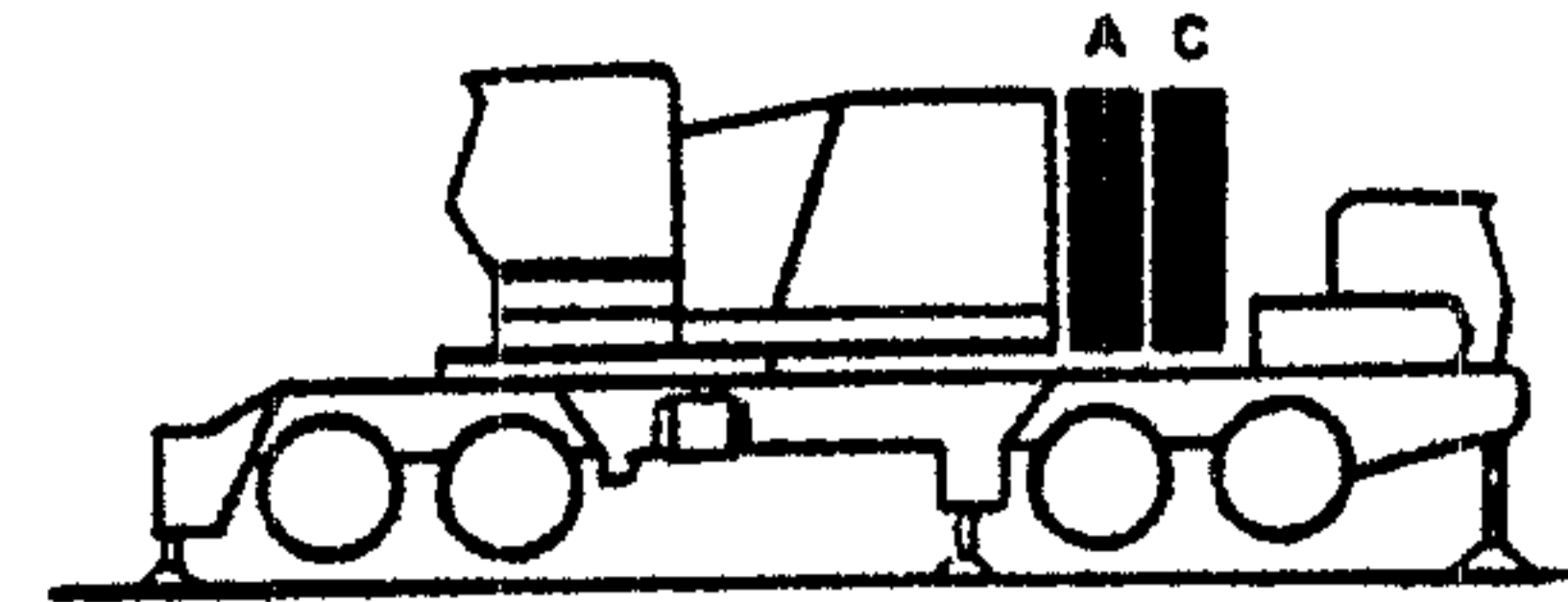
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



CAPACITY IN POUNDS  
WITH A C 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.	DEG	LBS.	FEET
<b>SEE NOTE 6! ON OUTRIGGERS EQUIPPED WITH A JIB</b>																
170	50	79.8	30,000							78.2	20,000					50
	60	77.3	30,000							75.9	20,000					60
	70	74.9	28,600	78.8	22,800					73.6	20,000					70
	80	72.4	24,900	76.3	22,000					71.3	19,300	78.4	16,100			80
	90	69.9	20,000	73.8	20,000	77.7	15,400			69.0	16,500	76.1	15,500			90
	100	67.3	16,300	71.2	16,300	75.0	14,600			66.6	13,600	73.7	14,900	78.4	10,800	100
	110	64.7	13,300	68.6	13,300	72.3	13,300			64.2	11,100	71.3	13,600	76.0	10,500	110
	120	62.1	10,900	65.9	10,900	69.5	10,900			61.8	9,100	68.9	11,100	73.4	10,100	120
	130	59.3	8,800	63.1	8,800	66.7	8,800			59.2	7,400	66.4	9,100	70.9	9,100	130
	140	56.5	7,100	60.3	7,100	63.7	7,100			56.6	5,900	63.8	7,400	68.2	7,400	140
	150	53.6	5,700	57.3	5,700	60.6	5,700			54.0	4,700	61.2	5,900	65.5	5,900	150
160	50.5	4,400	54.2	4,400	57.4	4,400			51.2	3,600	58.5	4,700	62.6	4,700	160	
170	47.4	3,300	51.0	3,300	54.0	3,300			48.3	2,600	55.6	3,600	59.7	3,600	170	
180	44.0	2,300	47.6	2,300	50.4	2,300					52.7	2,600	56.6	2,600	180	
180	60	77.8	29,500							78.6	20,000					60
	70	75.5	27,600	79.3	22,100					76.5	20,000					70
	80	73.1	24,500	76.9	21,200					74.3	19,900	78.8	15,700			80
	90	70.7	19,600	74.5	19,600	78.2	15,400			72.1	18,700	76.6	15,000			90
	100	68.3	15,900	72.0	15,900	75.7	14,800			69.8	16,100	74.3	14,400	78.9	10,400	100
	110	65.8	12,900	69.5	12,900	73.1	12,900			67.6	13,100	72.0	13,100	76.5	10,100	110
	120	63.3	10,400	66.9	10,400	70.5	10,400			65.2	10,700	69.7	10,700	74.1	9,900	120
	130	60.7	8,400	64.3	8,400	67.8	8,400			62.9	8,700	67.3	8,700	71.7	8,700	130
	140	58.0	6,700	61.6	6,700	65.0	6,700			60.5	6,900	64.9	6,900	69.2	6,900	140
	150	55.3	5,200	58.8	5,200	62.1	5,200			58.0	5,500	62.4	5,500	66.6	5,500	150
	160	52.4	3,900	56.0	3,900	59.1	3,900			55.5	4,200	59.8	4,200	63.9	4,200	160
170	49.4	2,800	53.0	2,800	55.9	2,800			52.9	3,100	57.2	3,100	61.1	3,100	170	
180									50.2	2,100	54.4	2,100	58.3	2,100	180	
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	24,100	77.4	20,300					74.8	19,200	79.2	15,100			80
	90	71.5	19,200	75.1	19,200	78.7	14,800			72.7	18,000	77.1	14,500			90
	100	69.2	15,400	72.7	15,400	76.3	14,500			70.6	15,700	74.9	13,800	79.3	10,000	100
	110	66.8	12,400	70.4	12,400	73.8	12,400			68.4	12,700	72.7	12,700	77.1	9,700	110
	120	64.4	10,000	67.9	10,000	71.3	10,000			66.2	10,200	70.5	10,200	74.8	9,500	120
	130	61.9	7,900	65.4	7,900	68.7	7,900			63.9	8,200	68.2	8,200	72.4	8,200	130
	140	59.4	6,200	62.9	6,200	66.1	6,200			61.6	6,500	65.9	6,500	70.0	6,500	140
	150	56.8	4,700	60.2	4,700	63.4	4,700			59.3	5,000	63.5	5,000	67.6	5,000	150
	160	54.1	3,500	57.5	3,500	60.6	3,500			56.9	3,700	61.1	3,700	65.0	3,700	160
170	51.3	2,400	54.7	2,400	57.6	2,400			54.4	2,600	58.6	2,600	62.4	2,600	170	

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

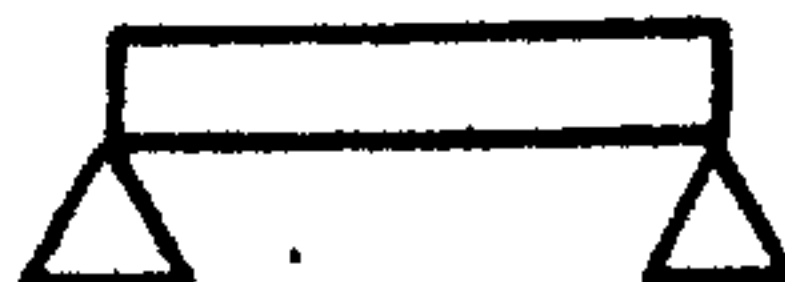
READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.

SERIAL NUMBER

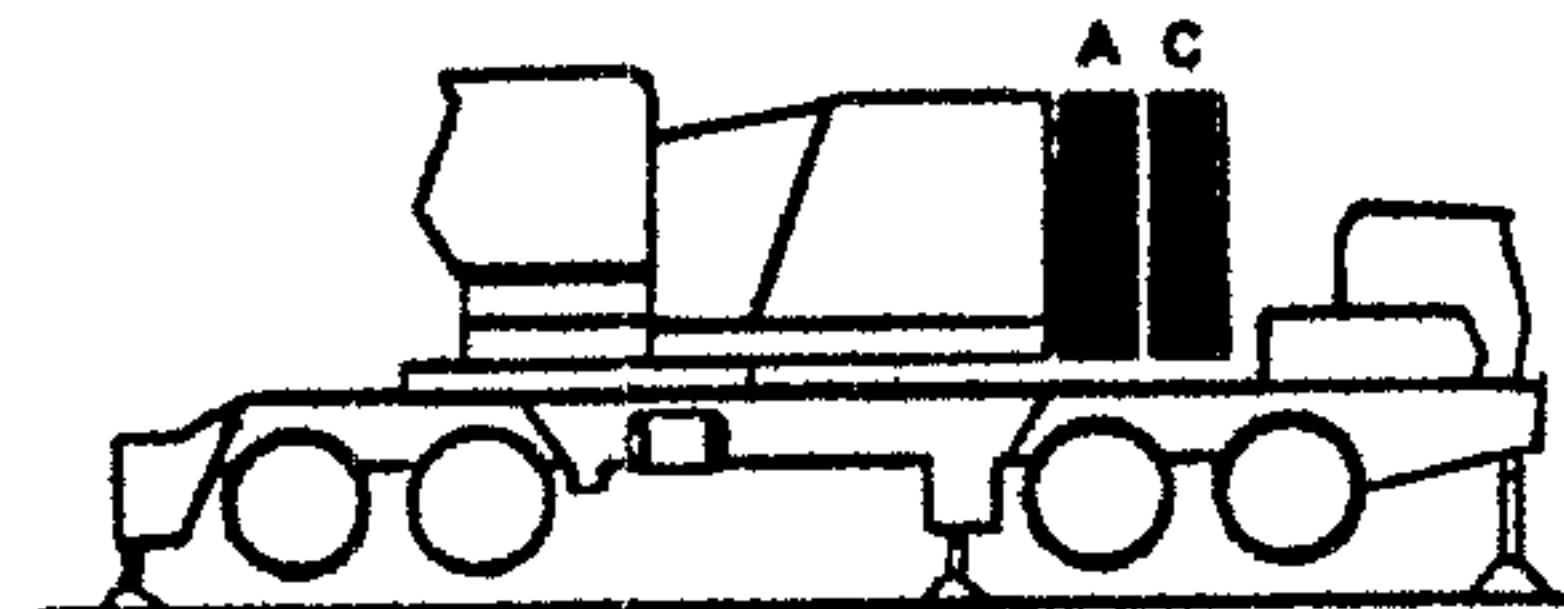
HL150T  
IDENTIFICATION



**32A JIB CAPACITIES – ON OUTRIGGERS 360°  
FOR 76A BOOM  
85% STABILITY**



**CAPACITY IN POUNDS  
WITH A C 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		
FEET	FEET	DEG	LBS.	DEG	LBS.	DEG	LBS.	FEET
<b>SEE NOTE 6! ON OUTRIGGERS EQUIPPED WITH A JIB</b>								
200	60	78.7	27,000					60
	70	76.6	25,000					70
	80	74.4	23,100	77.9	19,300			80
	90	72.2	18,800	75.7	18,300	79.2	14,200	90
	100	70.0	15,000	73.4	15,000	76.8	13,900	100
	110	67.7	12,000	71.1	12,000	74.5	12,000	110
	120	65.4	9,500	68.8	9,500	72.1	9,500	120
	130	63.0	7,500	66.4	7,500	69.6	7,500	130
	140	60.6	5,800	64.0	5,800	67.1	5,800	140
	150	58.2	4,300	61.5	4,300	64.6	4,300	150
	160	55.6	3,000	58.9	3,000	61.9	3,000	160

**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.**

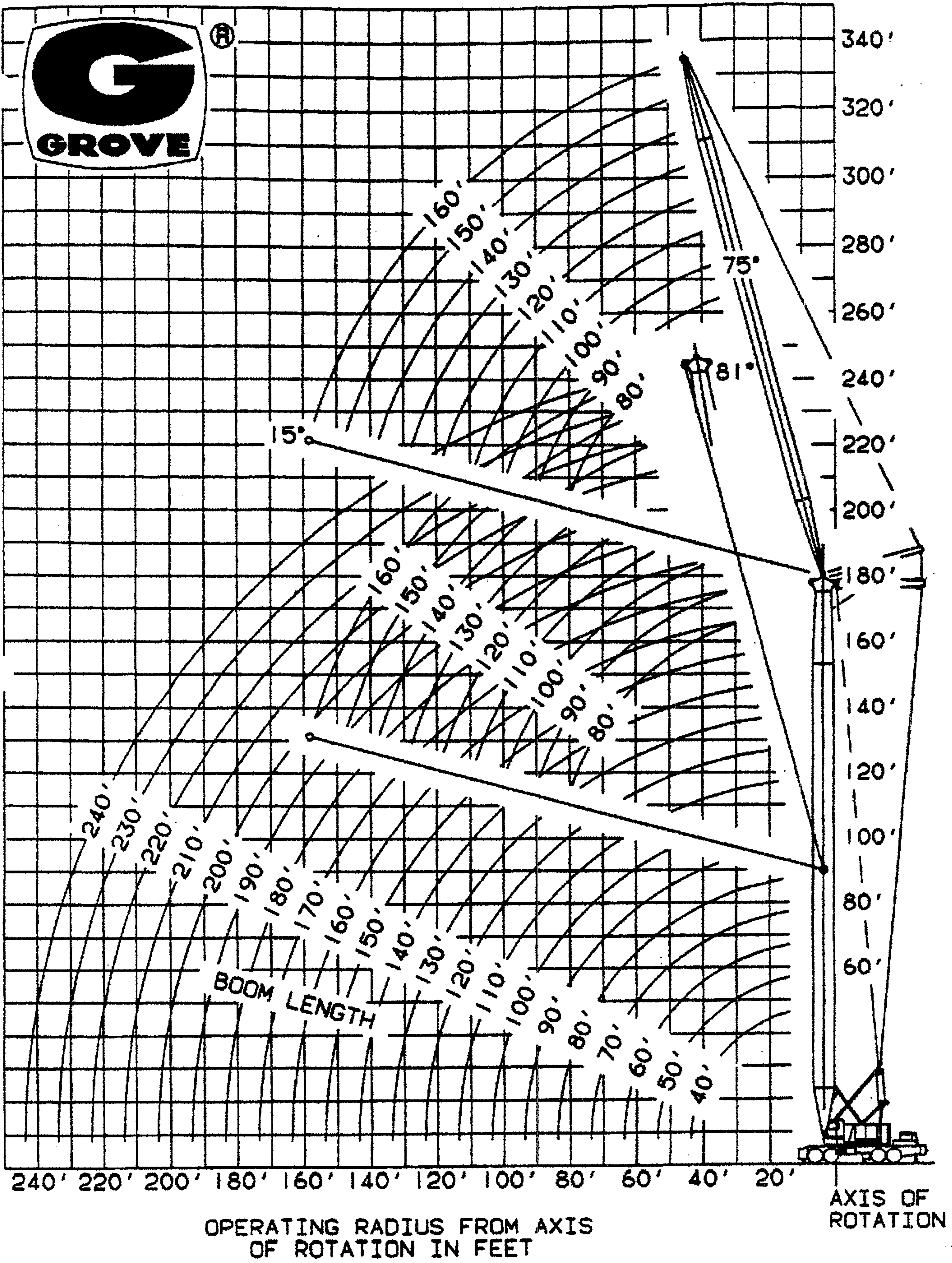
**READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800214 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.**

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HL150T  
IDENTIFICATION



RANGE DIAGRAM - 76A BOOM WITH 46A JIB



HEIGHT FROM GROUND IN FEET

OPERATING RADIUS FROM AXIS OF ROTATION IN FEET

AXIS OF ROTATION

SERIAL NUMBER

HL150T  
IDENTIFICATION

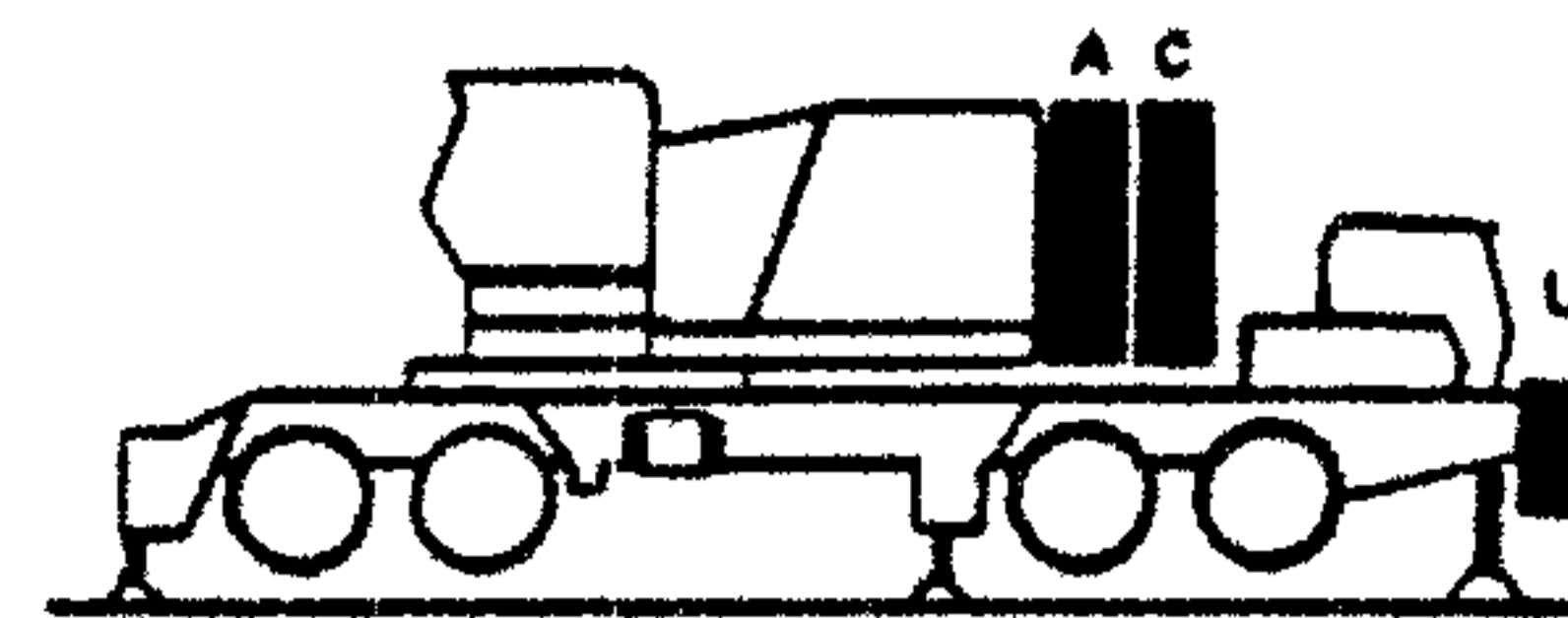


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

80 FT. BOOM + 80 FT. JIB



CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS



COUNTERWEIGHT CONFIGURATION

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
30	74.0	166.6	59,000	59,000									30
35	70.3	165.0	59,000	59,000	72.4	165.8	59,000	59,000					35
40	66.4	163.0	59,000	59,000	68.6	164.0	59,000	59,000					40
45	62.5	160.6	59,000	59,000	64.7	161.8	59,000	59,000					45
50	58.3	157.8	59,000	59,000	60.7	159.3	59,000	59,000	66.4	161.9	59,000	59,000	50
60	49.5	150.5	49,800	49,800	52.1	152.6	57,700	51,100	58.3	156.6	55,600	48,900	60
70	39.2	140.3	40,400	40,400	42.3	143.4	47,000	41,700	49.4	149.3	45,600	39,900	70
80	25.8	124.6	30,600	30,600	30.2	129.7	38,900	35,000	39.1	139.1	38,400	33,500	80
90									25.8	123.3	33,100	28,900	90

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
60	64.0	158.9	53,500	46,800									60
70	55.7	153.1	43,900	38,200									70
80	46.5	145.0	37,000	32,000	52.9	148.7	35,500	30,500					80
90	35.6	133.6	31,800	27,600	43.3	139.7	30,500	26,300	49.8	143.2	29,500	25,100	90
100	20.2	114.7	28,000	24,000	31.5	126.6	26,800	22,900	39.6	133.1	25,700	21,800	100
110					12.0	101.5	23,700	20,200	26.4	117.7	22,700	19,200	110

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800143 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.**

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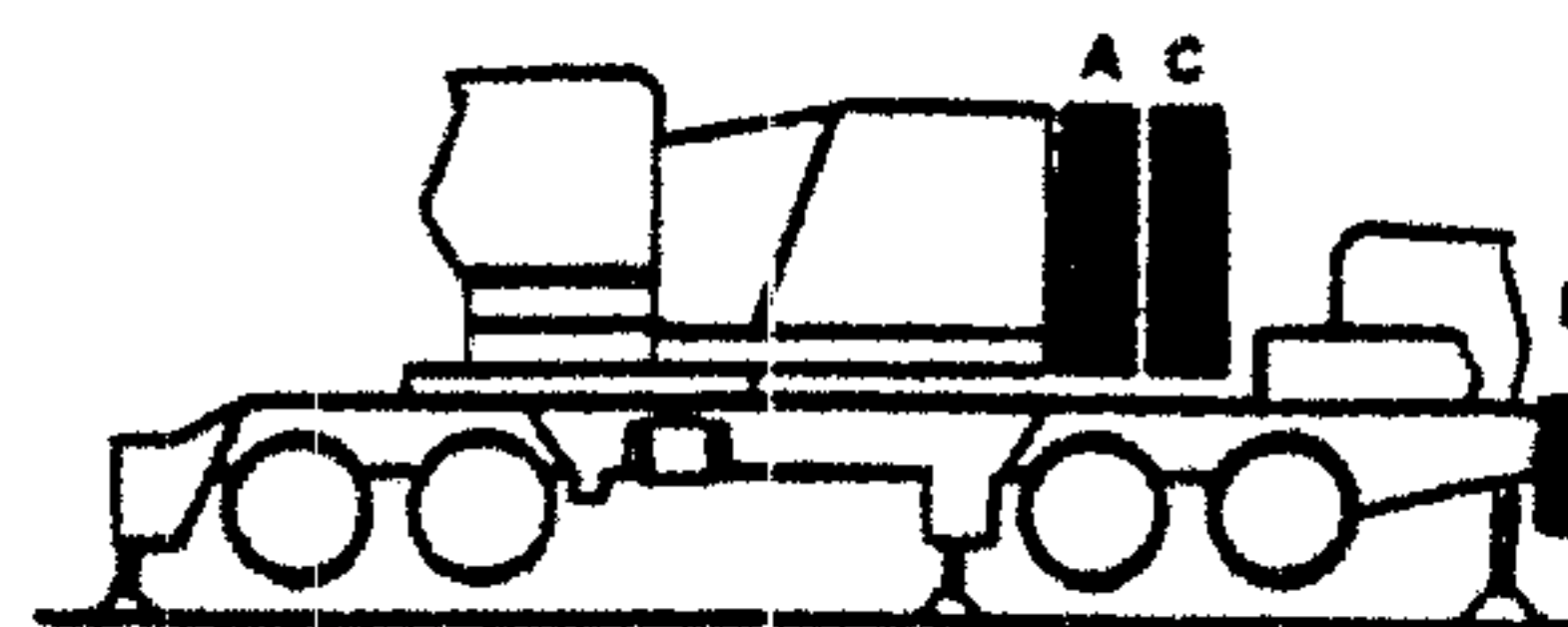


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
35	74.3	186.0	59,000	59,000									35
40	71.3	184.4	59,000	59,000	73.1	185.2	59,000	59,000					40
45	68.3	182.6	59,000	59,000	70.0	183.5	59,000	59,000					45
50	65.2	180.5	59,000	59,000	67.0	181.5	59,000	59,000					50
60	58.7	175.1	49,700	49,700	60.6	176.6	57,300	50,700	65.1	179.3	55,200	48,500	60
70	51.7	168.2	41,200	41,200	53.7	170.1	46,900	41,300	58.6	174.0	45,100	39,500	70
80	43.9	159.1	34,900	34,900	46.3	161.7	39,200	34,700	51.6	167.0	38,000	33,100	80
90	34.9	146.9	29,500	29,500	37.7	150.6	33,500	29,700	43.9	157.9	32,700	28,600	90
100	23.1	128.9	22,900	22,900	26.9	134.8	28,800	26,100	34.9	145.7	28,700	24,800	100
110									23.0	127.6	25,400	21,900	110

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
70	63.2	176.3	43,300	37,700									70
80	56.6	170.5	36,500	31,500									80
90	49.4	163.0	31,300	27,200	54.4	166.2	30,000	25,900					90
100	41.3	153.1	27,600	23,600	47.0	158.0	26,400	22,500	51.9	160.9	25,200	21,300	100
110	31.7	139.6	24,300	20,800	38.5	147.1	23,300	19,700	44.2	151.9	22,300	18,700	110
120	18.1	118.0	21,700	18,500	28.1	131.9	20,800	17,500	35.3	139.9	19,800	16,600	120
130					10.7	103.5	18,600	15,700	23.6	122.2	17,800	14,800	130

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800143 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.**

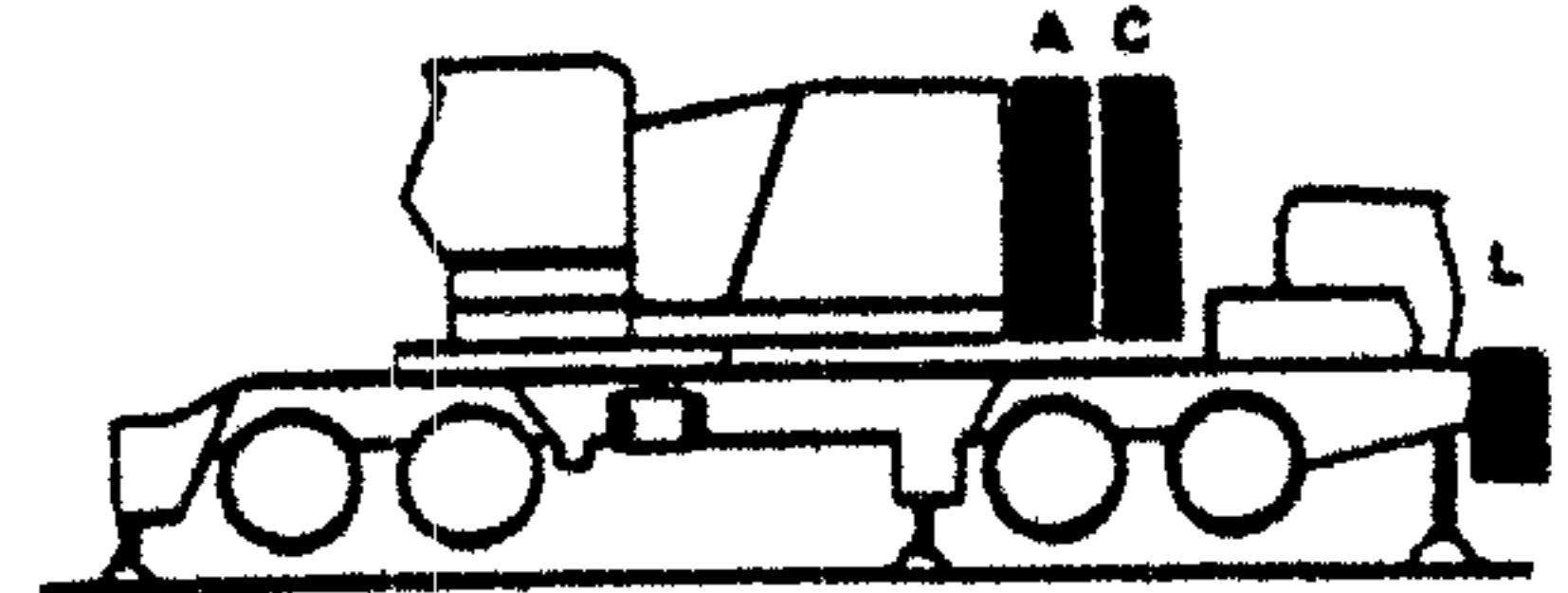
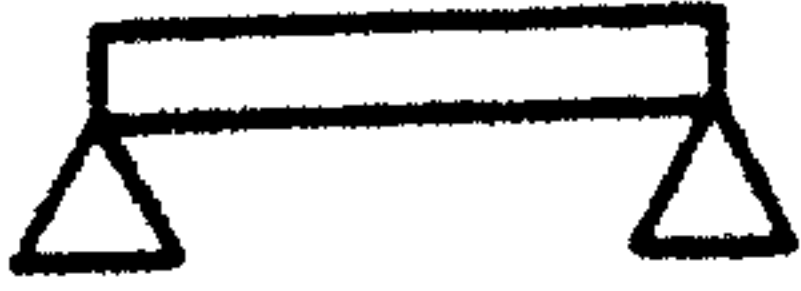
SERIAL NUMBER

HL150T  
IDENTIFICATION



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
40	74.5	205.4	59,000	59,000									40
45	72.0	203.9	59,000	59,000	73.5	204.5	59,000	59,000					45
50	69.5	202.1	55,800	55,800	71.0	202.9	59,000	59,000					50
60	64.3	197.8	48,300	48,300	65.8	199.0	54,200	50,200	69.5	201.0	54,600	48,000	60
70	58.9	192.4	40,800	40,800	60.5	193.9	48,500	40,800	64.3	196.7	44,600	38,900	70
80	53.1	185.7	34,500	34,500	54.8	187.6	38,800	34,200	58.9	191.3	37,500	32,600	80
90	46.9	177.3	30,000	30,000	48.7	179.7	33,000	29,500	53.1	184.5	32,100	28,100	90
100	39.9	166.7	26,600	26,600	42.0	169.8	29,400	25,600	46.9	176.1	28,300	24,400	100
110	31.8	152.9	22,100	22,100	34.3	157.1	25,700	22,500	39.9	165.5	24,900	21,400	110
120	21.0	132.8	17,600	17,600	24.6	139.4	21,800	20,000	31.7	151.7	22,200	19,000	120
130									21.0	131.5	20,000	17,000	130

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
80	62.7	193.6	35,900	30,900									80
90	57.2	187.8	30,700	26,700									90
100	51.3	180.6	27,000	23,100	55.3	183.6	25,800	21,900					100
110	44.9	171.7	23,800	20,300	49.3	175.8	22,700	19,200	53.3	178.4	21,700	18,100	110
120	37.6	160.2	21,200	18,000	42.7	166.2	20,200	17,000	47.1	170.1	19,200	16,000	120
130	28.9	145.0	19,000	16,100	35.0	153.8	18,100	15,100	40.2	159.6	17,200	14,300	130
140	16.5	121.1	17,200	14,400	25.6	136.7	16,300	13,600	32.1	145.9	15,500	12,800	140
150									21.5	126.1	14,100	11,500	150

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

**READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800143 LOCATED IN THE FRONT OF THIS MANUAL BEFORE OPERATING THIS MACHINE.**

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

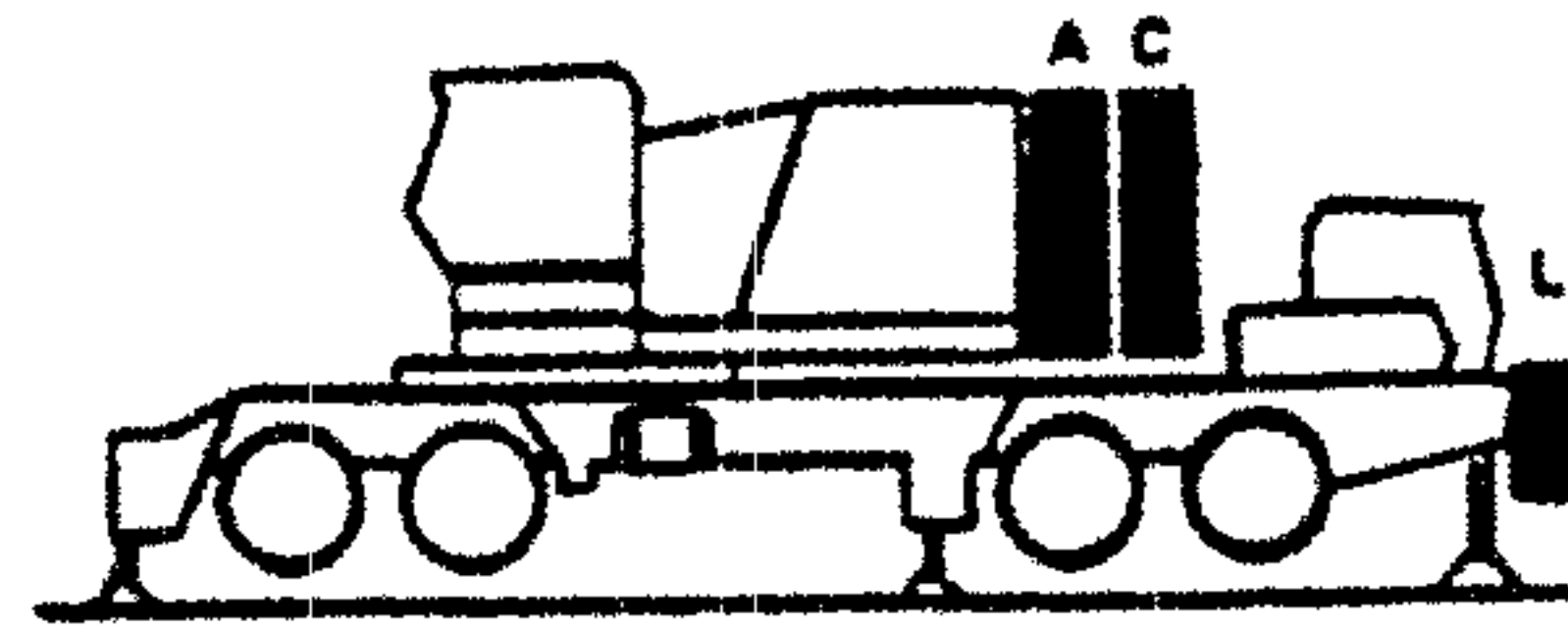
**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
45	74.7	224.7	48,000	48,000									45
50	72.5	223.3	45,400	45,400	73.8	223.9	49,200	49,200					50
60	68.2	219.7	40,800	40,800	69.4	220.6	44,000	44,000					60
70	63.7	215.2	36,800	36,800	65.0	216.4	39,600	39,600	68.2	218.5	42,600	38,500	70
80	59.1	209.8	33,100	33,100	60.4	211.2	35,800	33,700	63.7	214.1	37,000	32,100	80
90	54.1	203.2	28,300	28,300	55.6	205.0	32,200	29,100	59.0	208.6	31,600	27,600	90
100	48.9	195.2	25,700	25,700	50.4	197.5	27,500	25,200	54.1	202.0	27,800	23,900	100
110	43.2	185.6	23,200	23,200	44.9	188.3	25,000	22,100	48.9	194.0	24,500	21,000	110
120	36.9	173.7	20,200	20,200	38.8	177.2	22,400	19,600	43.2	184.4	21,800	18,600	120
130	29.4	158.4	17,100	17,100	31.7	163.0	19,900	17,500	36.8	172.5	19,500	16,600	130
140	19.5	136.3	13,700	13,700	22.7	143.6	16,900	15,800	29.3	157.1	17,600	14,900	140
150									19.4	135.1	16,000	13,400	150

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
90	62.3	211.0	30,200	26,200									90
100	57.6	205.2	26,600	22,700									100
110	52.6	198.2	23,400	19,800	56.0	201.0	22,200	18,700					110
120	47.2	189.8	20,700	17,500	50.9	193.6	19,700	16,500	54.3	195.9	18,700	15,500	120
130	41.4	179.5	18,600	15,600	45.4	184.6	17,600	14,700	49.1	188.0	16,700	13,700	130
140	34.7	166.8	16,700	14,000	39.4	173.7	15,900	13,100	43.4	178.4	15,000	12,300	140
150	26.7	149.9	15,200	12,600	32.4	159.8	14,400	11,800	37.1	166.6	13,600	11,000	150
160	15.3	123.8	13,800	11,400	23.6	141.0	13,100	10,700	29.7	151.4	12,300	9,900	160
170									19.9	129.8	11,200	9,000	170

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

**READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800143 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.**

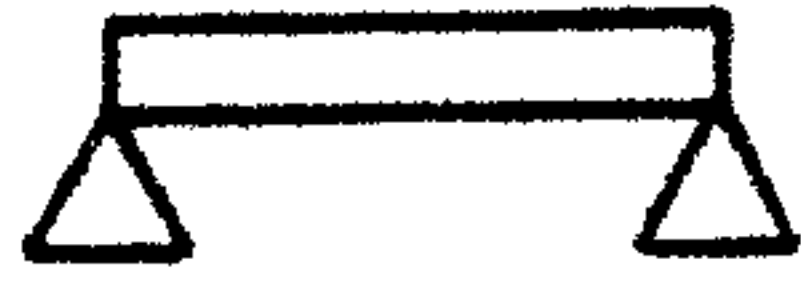
**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**

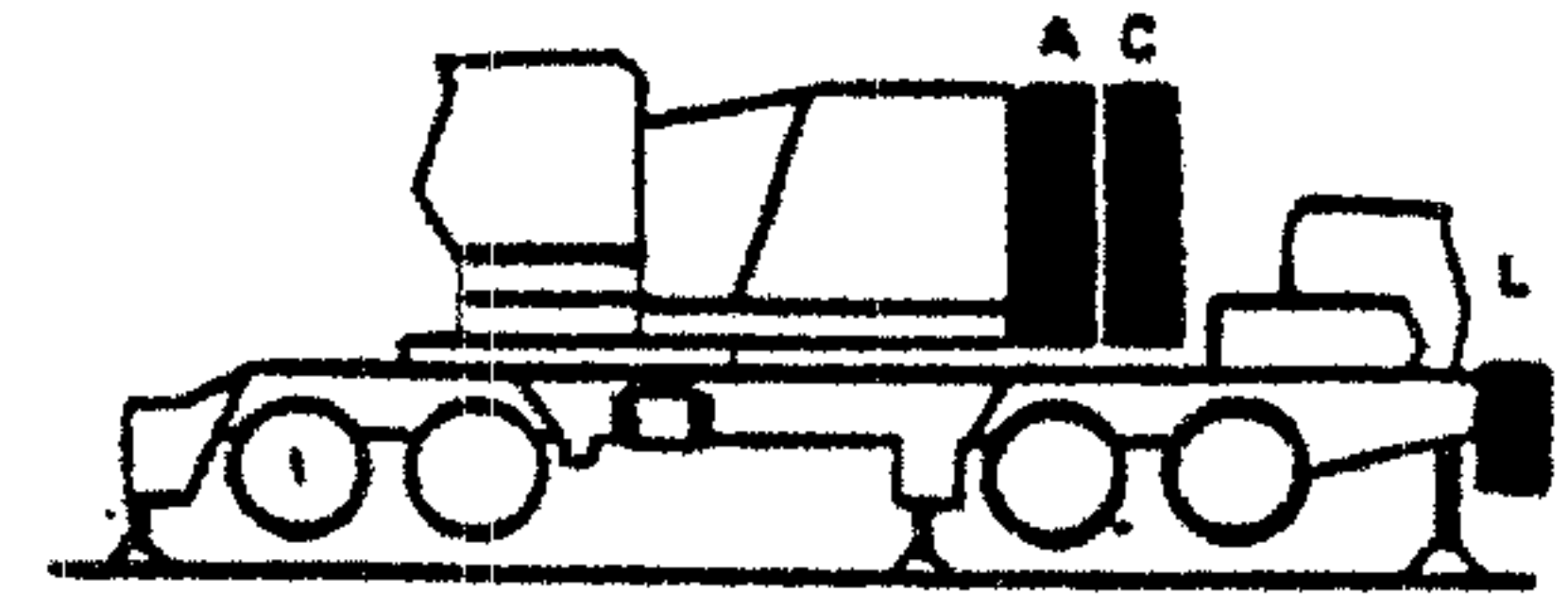


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES – ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
50	74.8	244.1	36,600	36,600									50
60	71.0	241.0	32,700	32,700	72.1	241.8	35,400	35,400					60
70	67.2	237.2	27,600	27,600	68.3	238.2	31,700	29,700					70
80	63.3	232.6	24,700	24,700	64.4	233.8	26,800	26,800	67.2	236.0	28,800	28,800	80
90	59.2	227.1	22,200	22,200	60.4	228.6	24,000	24,000	63.2	231.4	25,900	25,900	90
100	54.9	220.6	19,900	19,900	56.1	222.4	21,500	21,500	59.1	225.9	23,200	23,200	100
110	50.4	213.0	18,000	18,000	51.7	215.1	19,300	19,300	54.9	219.4	20,900	20,500	110
120	45.6	204.0	16,200	16,200	47.0	206.5	17,400	17,400	50.4	211.8	18,800	18,100	120
130	40.3	193.2	14,700	14,700	41.9	196.3	15,800	15,800	45.5	202.8	16,900	16,100	130
140	34.4	180.1	13,300	13,300	36.2	184.0	14,300	14,300	40.3	192.0	15,300	14,400	140
150	27.4	163.4	12,200	12,200	29.6	168.5	13,000	13,000	34.4	178.9	13,800	12,900	150
160	18.2	139.7	10,600	10,600	21.2	147.4	11,900	11,900	27.4	162.2	12,600	11,700	160
170									18.1	138.4	11,600	10,600	170

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
100	62.0	228.3	25,100	22,100									100
110	57.9	222.5	22,500	19,300									110
120	53.5	215.7	20,200	17,000	56.5	218.3	19,200	15,900					120
130	49.0	207.7	18,000	15,100	52.1	211.2	17,100	14,100					130
140	44.0	198.2	16,200	13,500	47.4	202.7	15,300	12,600	50.6	205.7	14,500	11,700	140
150	38.6	186.8	14,600	12,100	42.4	192.7	13,800	11,300	45.8	196.7	13,000	10,400	150
160	32.4	172.8	13,300	10,900	36.7	180.5	12,500	10,100	40.5	186.1	11,800	9,400	160
170	24.9	154.5	12,100	9,900	30.2	165.4	11,400	9,100	34.6	173.1	10,700	8,400	170
180	14.3	126.4	11,100	9,000	22.1	145.1	10,400	8,300	27.7	156.6	9,700	7,600	180
190									18.6	133.2	8,900	6,900	190

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800143 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.**

SERIAL NUMBER

HL150T  
IDENTIFICATION

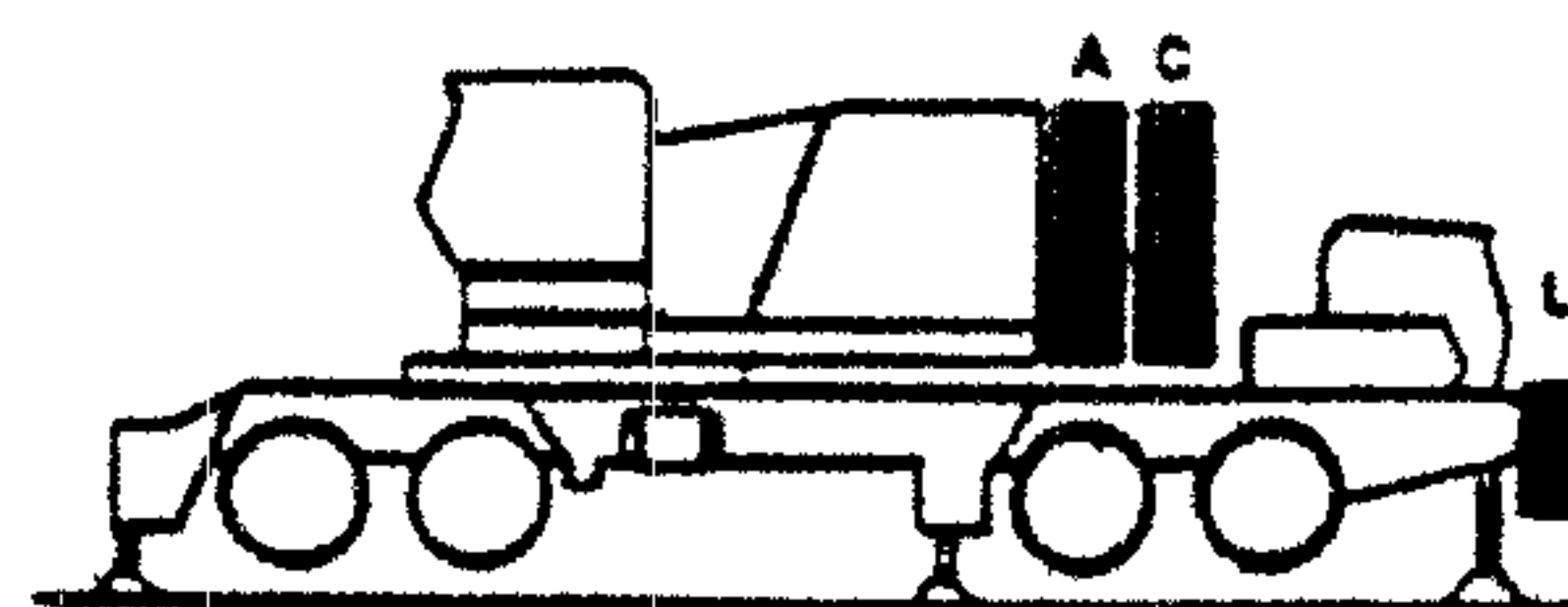


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
30	74.8	186.9	59,000	59,000									30
35	71.1	185.3	59,000	59,000	73.7	186.2	59,000	59,000					35
40	67.2	183.4	59,000	59,000	70.0	184.6	59,000	59,000					40
45	63.3	181.1	59,000	59,000	66.1	182.6	59,000	59,000					45
50	59.2	178.4	59,000	59,000	62.1	180.1	59,000	59,000	69.1	183.0	59,000	59,000	50
60	50.4	171.3	48,400	48,400	53.7	173.9	57,500	50,900	61.2	178.3	54,800	48,100	60
70	40.4	161.5	37,800	37,800	44.1	165.1	47,100	41,500	52.6	171.8	44,900	39,200	70
80	27.5	146.6	28,900	28,900	32.6	152.5	39,800	34,900	42.9	162.7	37,800	32,900	80
90					14.6	129.6	30,600	29,900	31.0	149.5	32,500	28,400	90
100									10.8	123.3	28,600	24,700	100

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
70	60.1	175.7	42,600	36,900									70
80	51.4	168.9	35,900	30,900	58.8	172.1	34,000	29,300					80
90	41.5	159.4	30,800	26,700	50.0	165.0	29,400	25,100					90
100	29.1	145.3	27,100	23,200	39.9	154.9	25,700	21,800	48.3	160.0	24,300	20,300	100
110					26.8	139.7	22,700	19,100	37.8	149.3	21,400	17,900	110
120									23.8	132.6	19,100	15,800	120

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

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SERIAL NUMBER

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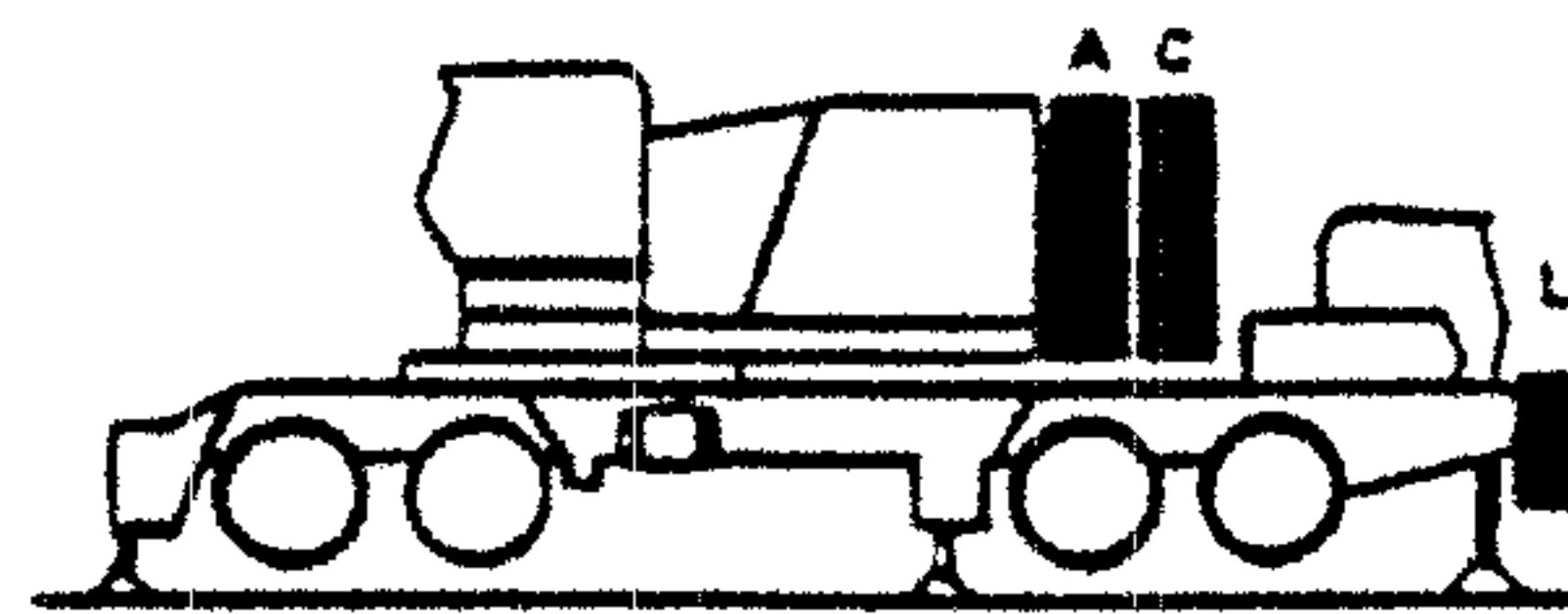


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
35	75.0	206.2	59,000	59,000									35
40	72.0	204.8	59,000	59,000	74.1	205.6	59,000	59,000					40
45	68.9	203.0	59,000	59,000	71.1	204.0	59,000	59,000					45
50	65.8	200.9	59,000	59,000	68.0	202.2	59,000	59,000					50
60	59.4	195.7	49,600	49,600	61.7	197.5	57,100	50,500	67.3	200.5	54,300	47,600	60
70	52.4	188.9	40,600	40,500	55.0	191.3	46,700	41,100	60.9	195.7	44,000	38,700	70
80	44.8	180.1	33,100	33,100	47.6	183.3	39,400	34,500	54.1	189.3	37,300	32,400	80
90	35.9	168.4	27,500	27,500	39.3	172.7	33,800	29,500	46.7	181.0	32,100	28,000	90
100	24.6	151.2	21,500	21,500	29.1	158.0	29,500	25,900	38.2	170.1	28,300	24,400	100
110					13.1	132.1	23,300	22,800	27.7	154.7	25,000	21,400	110

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
80	60.1	193.0	35,400	30,400									80
90	53.2	186.4	30,300	26,300	59.1	189.4	28,900	24,600					90
100	45.7	177.9	26,700	22,800	52.1	182.6	25,200	21,300					100
110	37.0	166.5	23,600	20,100	44.4	173.7	22,200	18,700	50.8	177.8	20,900	17,400	110
120	26.0	150.1	21,000	17,800	35.5	161.7	19,800	16,600	43.0	168.4	18,600	15,300	120
130					23.9	144.2	17,800	14,800	33.7	155.8	16,700	13,700	130
140									21.3	136.5	15,000	12,300	140

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

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**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.**

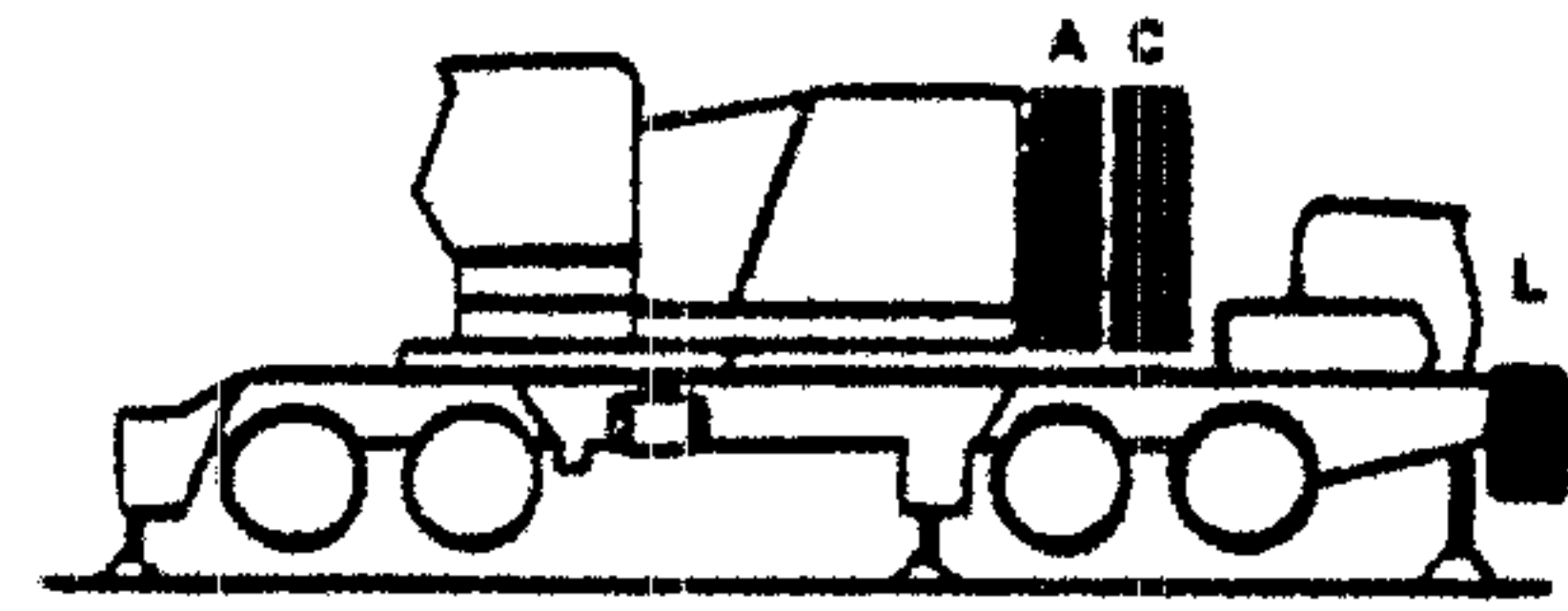
SERIAL NUMBER

HL150T  
IDENTIFICATION



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
45	72.6	224.2	58,900	58,900	74.3	225.0	59,000	59,000					45
50	70.0	222.5	55,700	55,700	71.8	223.4	59,000	59,000					50
60	64.9	218.3	49,200	49,200	66.7	219.7	55,000	50,000					60
70	59.5	213.0	40,600	40,600	61.4	214.8	46,200	40,600	66.1	218.0	43,800	38,200	70
80	53.8	206.4	34,400	34,400	55.8	208.7	38,900	34,000	60.8	213.0	36,800	31,900	80
90	47.6	198.3	29,500	29,500	49.8	201.1	33,300	29,300	55.1	206.7	31,500	27,500	90
100	40.7	188.0	24,700	24,700	43.3	191.6	29,400	25,500	49.1	199.0	27,700	23,900	100
110	32.7	174.5	20,500	20,500	35.7	179.5	25,900	22,400	42.4	189.2	24,500	21,000	110
120	22.4	155.4	16,300	16,300	26.5	162.9	22,500	19,900	34.8	176.7	21,800	18,600	120
130					11.9	134.3	17,900	17,800	25.2	159.4	19,600	16,600	130

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
90	60.1	210.3	29,700	25,700									90
100	54.4	203.9	26,200	22,300	59.2	206.8	24,600	20,700					100
110	48.3	195.9	23,000	19,500	53.5	200.1	21,600	18,100					110
120	41.5	185.8	20,500	17,300	47.3	191.8	19,200	16,000	52.4	195.4	18,000	14,700	120
130	33.7	172.8	18,400	15,400	40.4	181.4	17,200	14,200	46.1	186.7	16,100	13,100	130
140	23.7	154.5	16,600	13,800	32.3	167.8	15,500	12,700	39.1	175.9	14,400	11,700	140
150					21.8	148.3	14,000	11,500	30.7	161.5	13,100	10,500	150
160									19.4	140.1	11,900	9,500	160

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

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**SERIAL NUMBER**

**HL150T  
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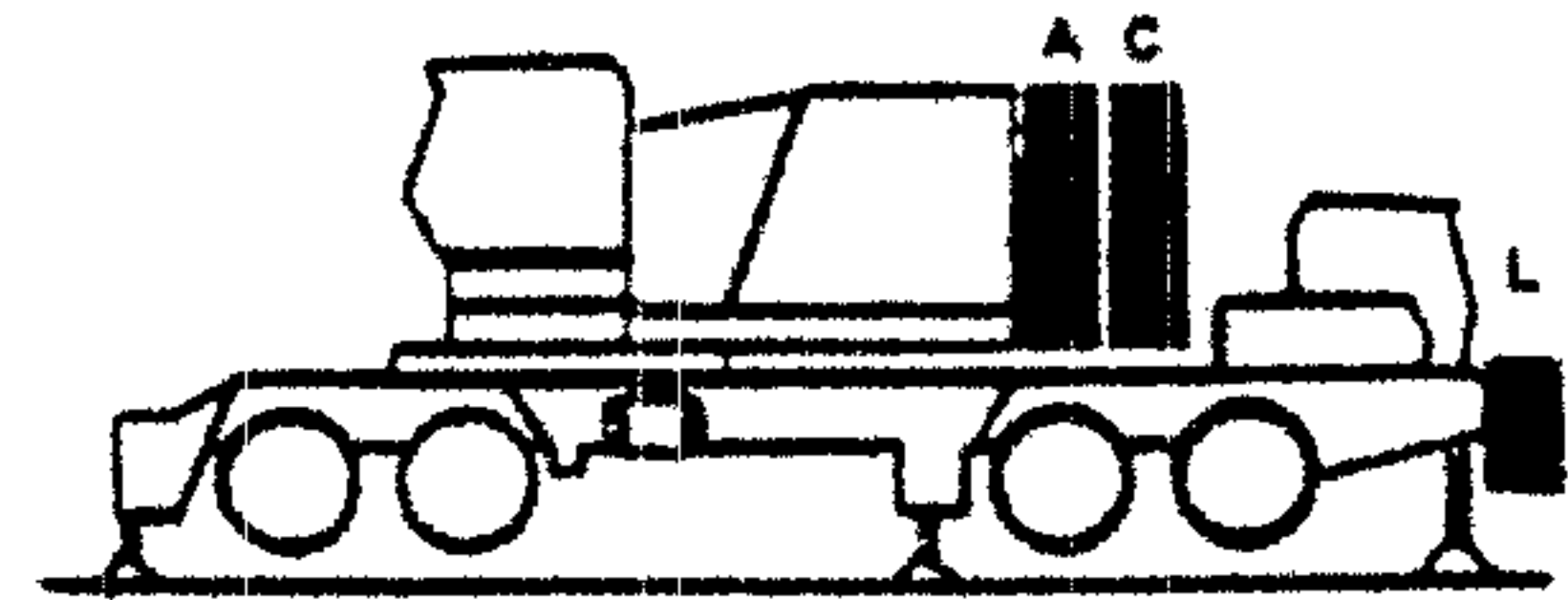


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

**100 FT. BOOM + 160 FT. JIB**



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
60	71.4	261.3	32,500	32,500	72.8	262.2	36,000	36,000					60
70	67.6	257.6	27,400	27,500	69.0	258.8	32,100	32,100					70
80	63.7	253.1	24,700	24,600	65.1	254.5	27,100	27,100	68.5	257.2	31,700	30,800	80
90	59.6	247.7	22,100	22,100	61.1	249.5	24,300	24,300	64.6	252.8	26,800	26,500	90
100	55.4	241.3	19,900	19,900	56.9	243.4	21,800	21,800	60.6	247.6	24,000	22,900	100
110	50.9	233.8	17,900	17,900	52.5	236.4	19,600	19,600	56.4	241.5	21,600	20,000	110
120	46.1	225.0	16,100	16,100	47.8	228.0	17,700	17,700	52.0	234.3	19,400	17,600	120
130	40.9	214.4	14,600	14,600	42.8	218.1	16,000	16,000	47.3	225.8	17,500	15,700	130
140	35.1	201.6	13,200	13,200	37.2	206.2	14,400	14,400	42.2	215.7	15,800	14,000	140
150	28.2	185.4	12,100	12,100	30.8	191.4	13,100	13,100	36.5	203.5	14,300	12,600	150
160	19.4	162.7	9,600	9,600	22.9	171.7	12,000	12,000	30.0	188.2	13,000	11,400	160
170					10.3	138.1	10,900	10,900	21.8	167.6	11,800	10,300	170

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
100	64.1	250.3	25,100	21,200									100
110	60.0	245.0	22,000	18,500									110
120	55.8	238.7	19,500	16,200	59.4	241.4	18,100	14,900					120
130	51.4	231.3	17,300	14,400	55.2	235.0	16,100	13,100					130
140	46.6	222.6	15,600	12,800	50.7	227.4	14,400	11,700	54.4	230.3	13,300	10,600	140
150	41.5	212.3	14,000	11,500	45.9	218.5	13,000	10,400	49.8	222.5	11,900	9,400	150
160	35.7	199.8	12,700	10,300	40.6	207.9	11,700	9,300	45.0	213.3	10,800	8,400	160
170	29.0	184.0	11,600	9,300	34.8	194.9	10,600	8,400	39.7	202.4	9,700	7,500	170
180	20.5	162.3	10,600	8,400	27.9	178.5	9,700	7,600	33.7	188.9	8,800	6,700	180
190					18.9	155.4	8,800	6,800	26.5	171.7	8,000	6,000	190
200									16.8	146.5	7,300	5,400	200

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

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**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**

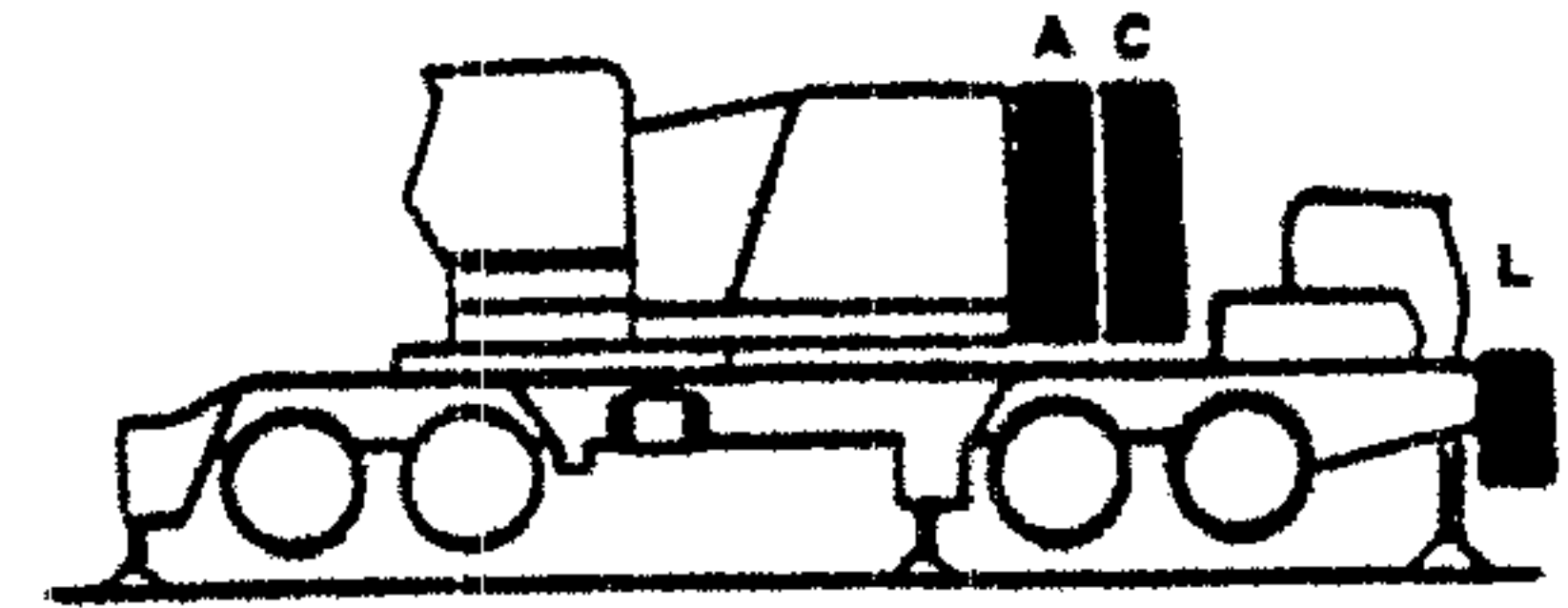


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
35	71.9	205.7	59,000	59,000									35
40	68.0	203.8	59,000	59,000	71.3	205.1	59,000	59,000					40
45	64.1	201.6	59,000	59,000	67.5	203.2	59,000	59,000					45
50	60.1	199.0	55,000	55,000	63.5	201.0	59,000	59,000					50
60	51.4	192.2	42,300	42,300	55.2	195.0	57,100	50,600	64.0	199.8	53,700	47,100	60
70	41.5	182.7	33,000	33,000	45.9	186.8	46,800	41,200	55.7	194.0	44,000	38,300	70
80	29.1	168.5	25,200	25,200	34.8	175.1	39,500	34,600	46.5	186.0	37,000	32,100	80
90					19.0	155.3	32,400	29,700	35.5	174.4	31,800	27,800	90
100									20.1	155.5	28,000	24,200	100

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
70	64.3	197.7	41,100	35,500									70
80	56.0	192.0	34,600	29,700									80
90	46.8	184.0	29,700	25,700	56.1	188.9	27,900	23,600					90
100	36.0	172.7	26,200	22,300	47.0	181.0	24,400	20,400					100
110	20.9	154.2	23,100	19,600	36.2	169.7	21,500	17,900	46.8	176.7	19,900	16,300	110
120					21.2	151.4	19,100	15,900	36.0	165.4	17,700	14,400	120
130									20.9	146.9	15,800	12,900	130

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

READ AND UNDERSTAND LIFTING CAPACITY NOTES ON A6-829-800143 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.**

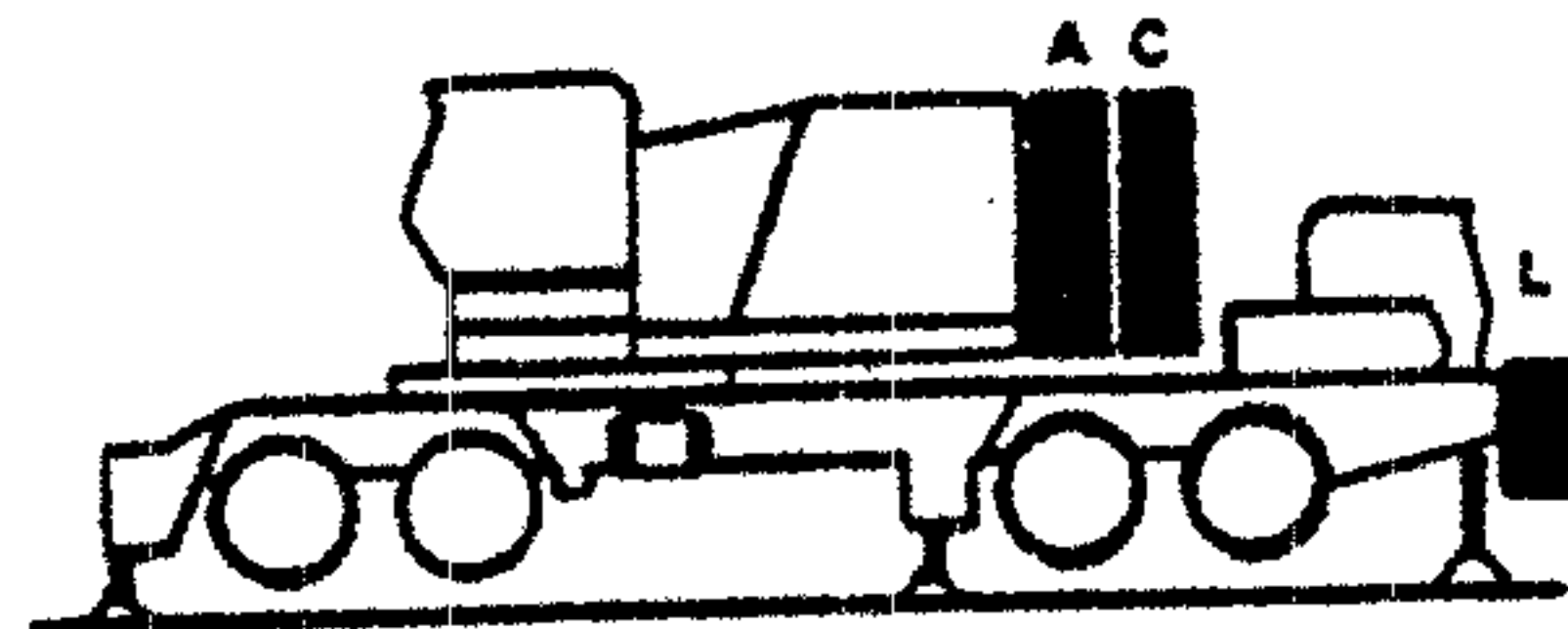
SERIAL NUMBER

HL150T  
IDENTIFICATION



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°**

120 FT. BOOM + 100 FT. JIB



**CAPACITY IN POUNDS**

**WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
40	72.6	225.1	59,000	59,000									40
45	69.6	223.4	59,000	59,000	72.1	224.5	59,000	59,000					45
50	66.5	221.3	58,400	56,400	69.1	222.8	59,000	59,000					50
60	60.1	216.3	44,100	44,100	62.8	218.3	56,700	50,100	69.4	221.6	53,200	46,500	60
70	53.2	209.7	35,400	35,400	56.2	212.4	46,400	40,800	63.2	217.2	43,500	37,800	70
80	45.6	201.2	29,500	29,500	49.0	204.8	39,100	34,200	56.6	211.4	36,600	31,700	80
90	37.0	189.8	23,900	23,900	40.8	194.7	33,600	29,600	49.4	203.9	31,400	27,400	90
100	26.0	173.4	18,500	18,500	31.1	180.9	29,600	25,800	41.3	194.0	27,700	23,800	100
110					16.9	158.5	24,500	22,700	31.7	180.5	24,400	20,900	110
120									18.0	158.9	21,800	18,600	120

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
80	63.4	215.1	34,100	29,500									80
90	56.8	209.4	29,500	25,200									90
100	49.7	201.9	25,700	21,800	56.9	206.3	23,800	19,900					100
110	41.7	192.1	22,700	19,200	49.8	198.8	21,000	17,400					110
120	32.1	178.8	20,200	17,000	41.8	189.1	18,700	15,400	49.7	194.6	17,100	13,900	120
130	18.7	157.7	18,100	15,200	32.3	175.8	16,700	13,700	41.6	184.8	15,300	12,400	130
140					19.0	155.0	15,100	12,300	32.1	171.5	13,800	11,000	140
150									18.7	150.4	12,500	9,900	150

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

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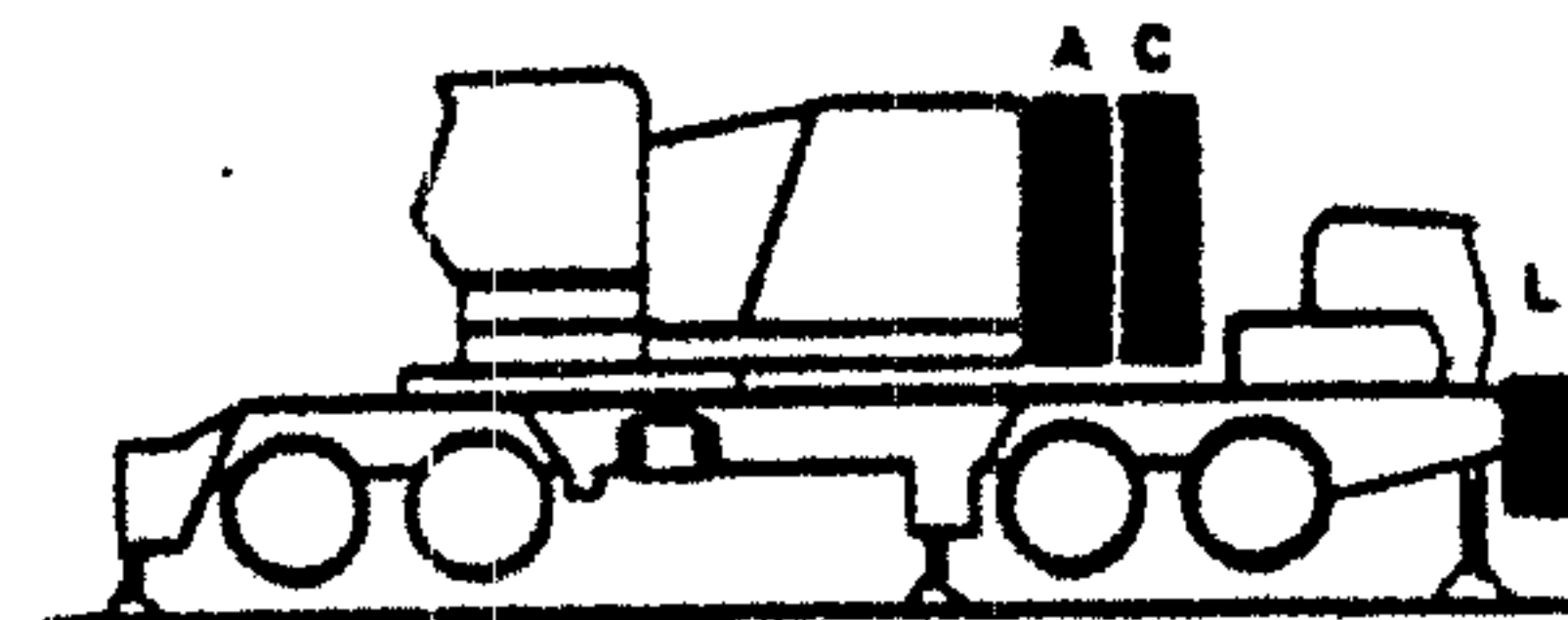
SERIAL NUMBER

HL150T  
IDENTIFICATION



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

120 FT. BOOM + 120 FT. JIB



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
45	73.1	244.5	58,800	58,800									45
50	70.6	242.8	54,100	54,100	72.7	243.9	59,000	59,000					50
60	65.4	238.8	44,500	44,500	67.6	240.3	56,000	49,600					60
70	60.1	233.6	36,100	36,100	62.4	235.7	45,900	40,300	67.9	239.2	42,900	37,200	70
80	54.4	227.2	30,000	29,900	56.8	229.8	38,600	33,700	62.7	234.6	36,000	31,100	80
90	48.2	219.2	25,500	25,500	50.9	222.5	33,100	29,100	57.1	228.8	30,800	26,800	90
100	41.5	209.1	21,300	21,300	44.5	213.4	29,200	25,300	51.3	221.5	27,100	23,300	100
110	33.6	196.1	17,600	17,600	37.1	201.8	25,700	22,200	44.8	212.6	23,900	20,400	110
120	23.7	177.8	13,800	13,800	28.3	186.2	22,900	19,700	37.6	201.1	21,300	18,100	120
130					15.5	161.3	18,800	17,700	28.8	185.9	19,100	16,100	130
140									16.4	161.9	17,200	14,500	140

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
90	62.9	232.5	28,900	24,600									90
100	57.4	226.7	25,100	21,200									100
110	51.5	219.6	22,100	18,600	57.4	223.6	20,400	16,800					110
120	45.1	210.6	19,600	16,400	51.6	216.5	18,000	14,800					120
130	37.9	199.3	17,600	14,600	45.2	207.6	16,100	13,200	51.5	212.3	14,700	11,700	130
140	29.2	184.3	15,800	13,100	38.0	196.3	14,500	11,800	45.1	203.4	13,200	10,400	140
150	17.1	160.9	14,400	11,800	29.4	181.3	13,100	10,500	37.9	192.0	11,900	9,300	150
160					17.3	158.2	11,900	9,500	29.2	177.0	10,800	8,400	160
170									17.0	153.5	9,800	7,500	170

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

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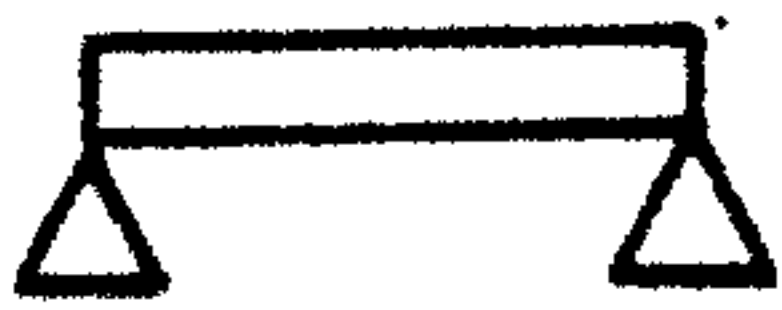
SERIAL NUMBER

HL150T  
IDENTIFICATION

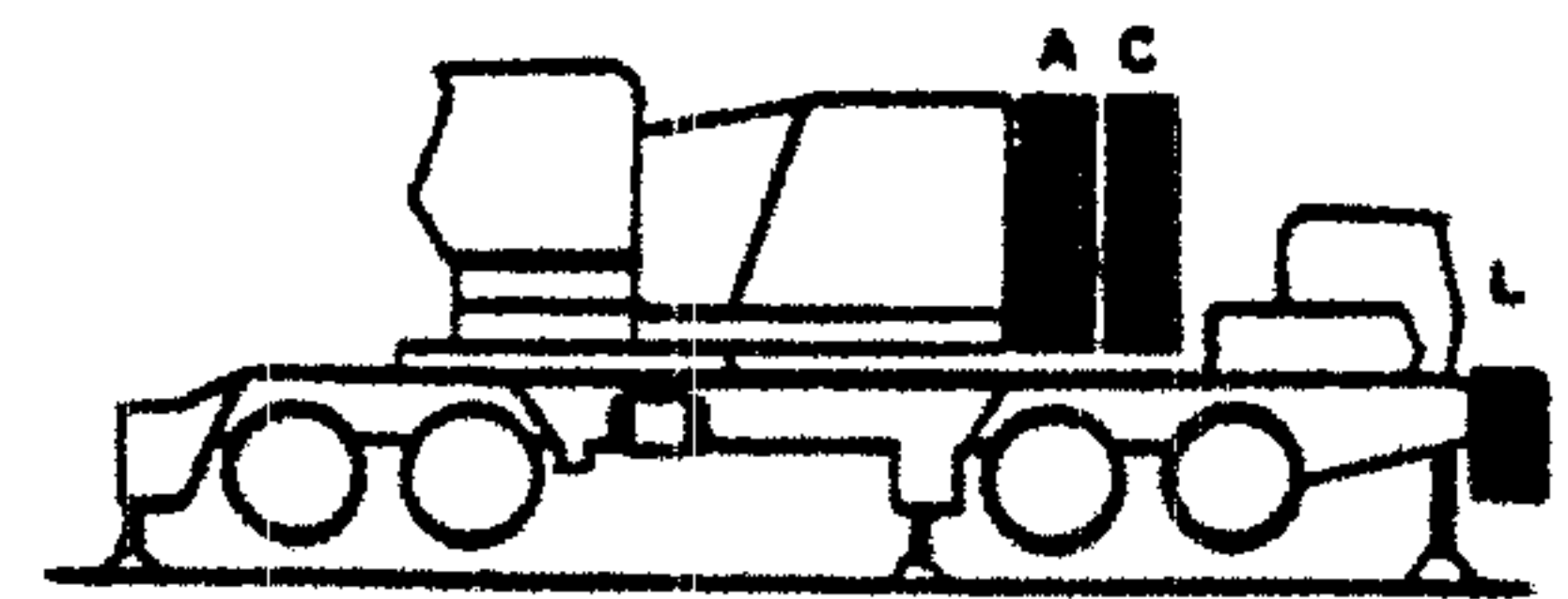


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
50	73.4	263.8	<del>45,100</del>	<del>45,100</del>									50
60	69.1	260.4	<del>40,500</del>	<del>40,500</del>	71.0	261.7	45,400	45,400					60
70	64.7	256.2	<del>35,900</del>	<del>35,900</del>	66.6	257.8	40,800	39,900					70
80	60.0	250.9	<del>30,100</del>	<del>30,100</del>	62.0	253.0	36,800	33,300	66.8	256.7	35,400	30,600	80
90	55.2	244.6	<del>26,100</del>	<del>26,100</del>	57.3	247.1	32,600	28,700	62.3	251.9	30,300	26,400	90
100	50.0	237.0	<del>22,100</del>	<del>22,100</del>	52.3	240.1	28,300	24,900	57.6	246.1	26,700	22,800	100
110	44.5	227.0	<del>18,500</del>	<del>18,500</del>	46.9	231.6	25,300	21,800	52.6	239.1	23,400	19,900	110
120	38.3	216.4	<del>15,900</del>	<del>15,900</del>	41.0	221.2	22,500	19,300	47.2	230.7	20,800	17,600	120
130	31.1	201.9	<del>13,300</del>	<del>13,300</del>	34.3	208.2	20,200	17,300	41.3	220.4	18,600	15,700	130
140	21.9	181.8	<del>10,500</del>	<del>10,500</del>	26.2	191.1	17,900	15,500	34.7	207.6	16,800	14,100	140
150					14.3	163.9	14,600	14,000	26.7	190.8	15,200	12,700	150
160									15.2	164.6	13,800	11,500	160

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
100	62.5	249.8	24,600	20,700									100
110	57.7	244.1	21,600	18,100									110
120	52.8	237.1	19,100	15,900	57.8	240.9	17,500	14,300					120
130	47.4	228.8	17,100	14,100	52.8	234.0	15,600	12,600					130
140	41.6	218.6	15,400	12,600	47.5	225.7	14,000	11,200	52.8	229.8	12,600	9,900	140
150	35.0	205.9	13,900	11,300	41.7	215.5	12,600	10,000	47.4	221.5	11,300	8,800	150
160	27.0	189.3	12,600	10,200	35.1	202.9	11,400	9,000	41.6	211.3	10,200	7,800	160
170	15.8	163.8	11,500	9,300	27.2	186.4	10,400	8,100	35.0	198.6	9,300	7,000	170
180					16.0	161.1	9,400	7,300	27.0	182.0	8,400	6,300	180
190									15.8	156.4	7,600	5,600	190

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

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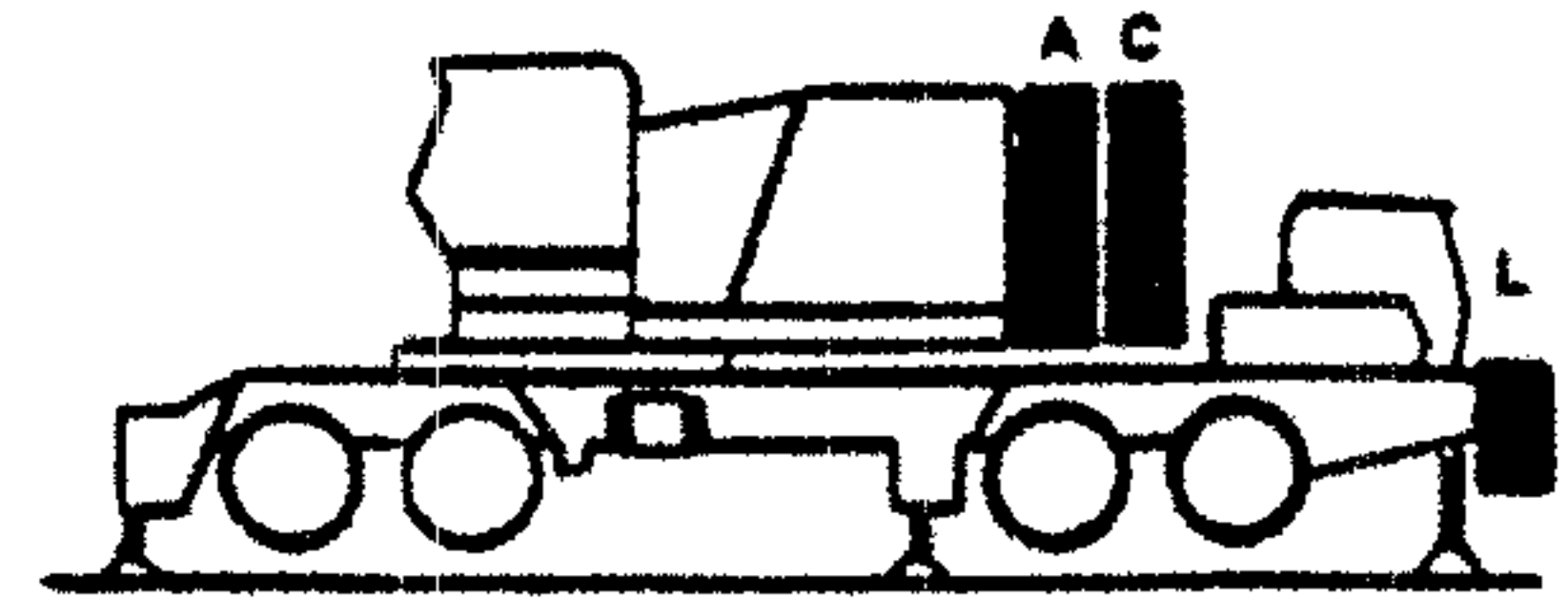
**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES – ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

**120 FT. BOOM + 160 FT. JIB**



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
60	71.8	281.7	32,400	32,400	73.4	282.7	36,500	36,500					60
70	68.0	278.0	27,400	27,400	69.6	279.4	32,600	32,600					70
80	64.1	273.6	24,800	24,800	65.8	275.3	27,500	27,500	69.9	278.2	32,800	30,000	80
90	60.0	268.3	22,000	22,000	61.8	270.3	24,700	24,700	66.0	274.1	27,700	25,800	90
100	55.8	262.0	19,800	19,800	57.6	264.5	22,200	22,200	62.0	269.2	24,900	22,300	100
110	51.4	254.6	17,800	17,800	53.3	257.6	19,900	19,900	57.9	263.4	22,300	19,400	110
120	46.6	245.9	16,100	16,100	48.7	249.5	17,900	17,900	53.5	256.6	20,000	17,100	120
130	41.5	235.6	14,000	14,000	43.7	239.9	16,200	16,200	48.9	248.6	18,000	15,200	130
140	35.7	223.0	11,900	11,900	38.2	228.4	14,600	14,600	44.0	239.1	16,300	13,500	140
150	29.0	207.3	10,000	10,000	32.0	214.2	13,300	13,300	38.6	227.7	14,700	12,200	150
160	20.5	185.6	7,800	7,800	24.4	195.6	12,100	12,100	32.4	213.7	13,300	11,000	160
170					13.4	166.4	11,100	11,100	24.9	195.4	12,100	9,900	170
180									14.2	167.2	11,100	9,000	180

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
110	62.2	267.1	21,000	17,500									110
120	58.0	261.4	18,600	15,400									120
130	53.7	254.6	16,500	13,600	58.1	258.3	15,000	12,000					130
140	49.1	246.6	14,800	12,100	53.8	251.5	13,400	10,600					140
150	44.2	237.2	13,300	10,800	49.2	243.6	12,000	9,500	53.7	247.3	10,700	8,200	150
160	38.8	225.9	12,100	9,700	44.3	234.1	10,800	8,400	49.1	239.3	9,600	7,200	160
170	32.7	212.0	10,900	8,700	38.9	222.9	9,800	7,500	44.2	229.9	8,600	6,400	170
180	25.2	193.9	10,000	7,900	32.8	209.0	8,900	6,700	38.8	218.6	7,800	5,700	180
190	14.8	166.4	9,100	7,100	25.4	191.0	8,100	6,100	32.6	204.7	7,000	5,000	190
200					15.0	163.8	7,300	5,400	25.2	186.6	6,400	4,500	200
210									14.7	159.1	5,800	4,000	210

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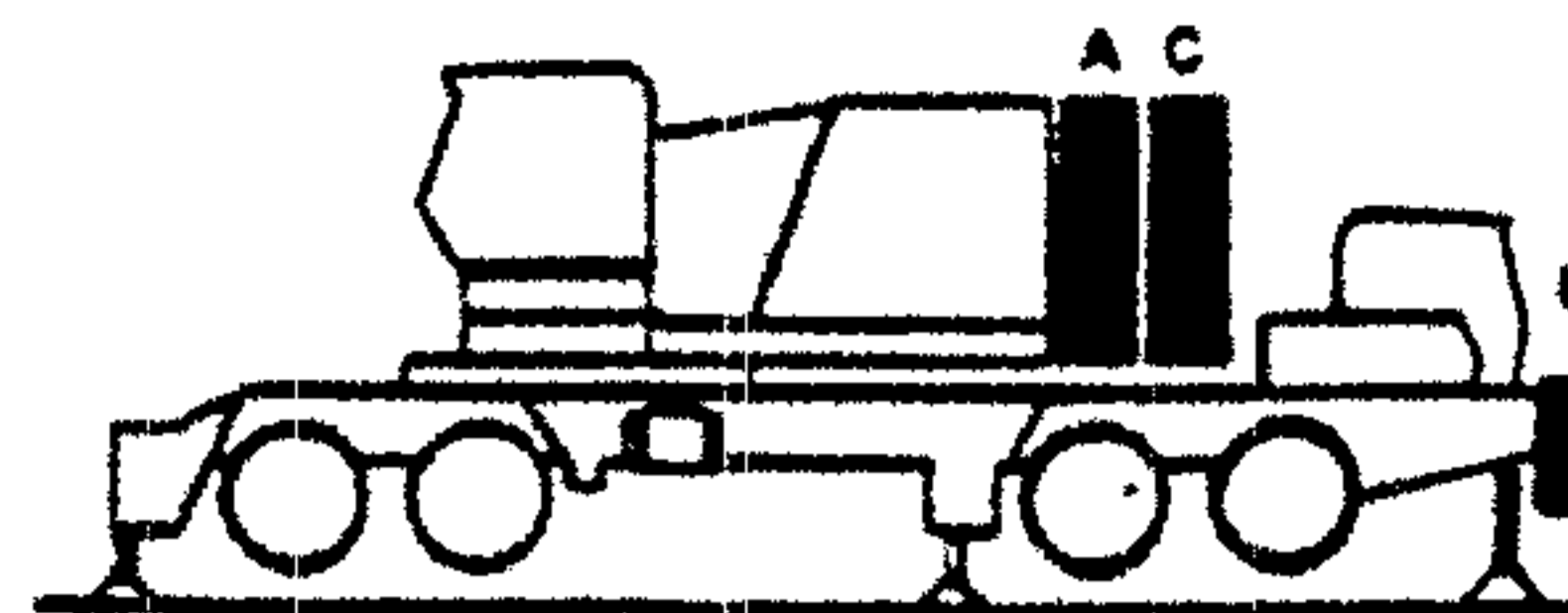


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
40	68.9	224.2	59,000	59,000	72.6	225.6	59,000	59,000					40
45	65.0	222.1	57,800	57,800	68.8	223.9	59,000	59,000					45
50	60.9	219.5	50,300	50,300	64.9	221.7	59,000	59,000					50
60	52.4	213.0	38,800	38,600	56.7	216.1	56,700	50,200	66.7	221.0	52,500	45,900	60
70	42.6	203.8	30,000	30,000	47.6	208.4	46,500	40,900	58.6	216.0	43,000	37,400	70
80	30.6	190.3	22,800	22,800	37.0	197.4	39,200	34,300	49.8	208.8	36,200	31,300	80
90					22.5	179.9	33,700	29,400	39.6	198.7	31,100	27,100	90
100									26.4	183.3	27,400	23,500	100

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
80	60.4	214.5	33,200	28,700									80
90	51.7	207.8	28,800	24,500									90
100	41.9	198.4	25,100	21,300	53.4	205.5	22,900	19,000					100
110	29.6	184.5	22,200	18,700	43.8	196.6	20,200	16,600	54.7	201.8	18,200	14,700	110
120					32.2	183.8	17,900	14,700	45.3	193.4	16,200	12,900	120
130					13.7	160.2	16,100	13,100	34.1	181.3	14,500	11,500	130
140									17.5	160.6	13,000	10,200	140

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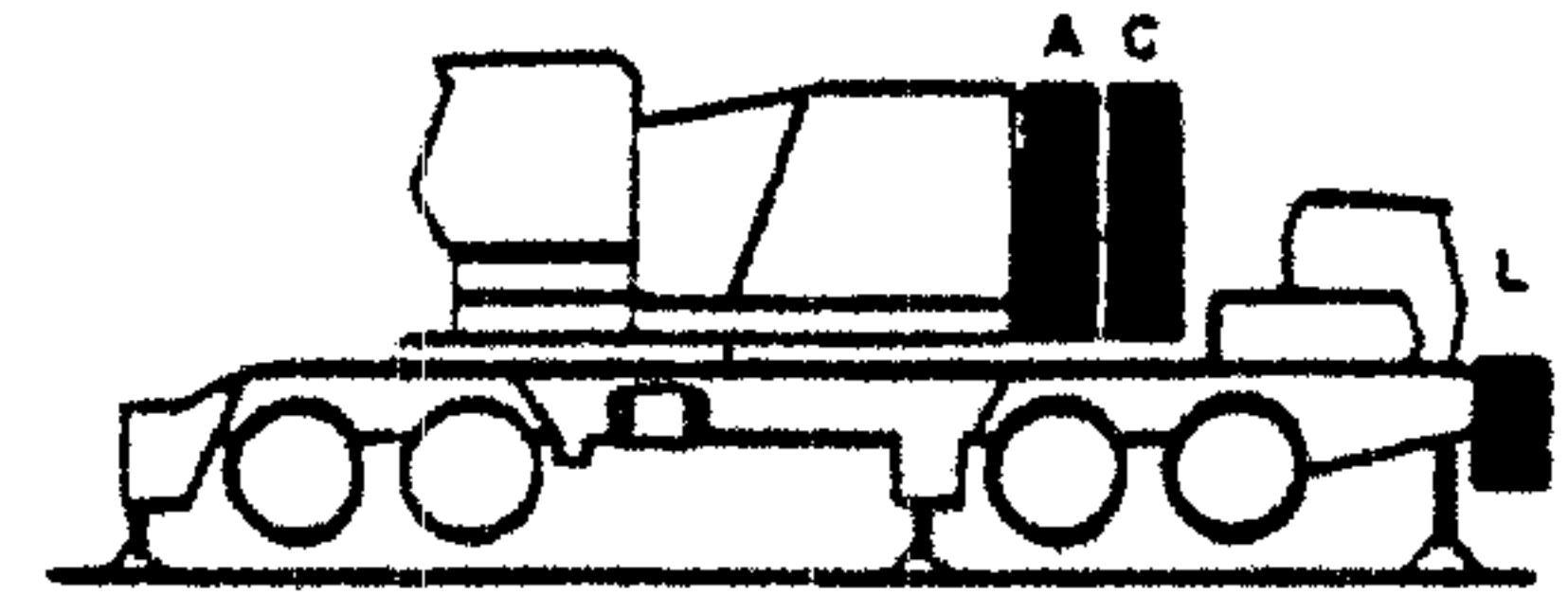


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

140 FT. BOOM + 100 FT. JIB



CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS



COUNTERWEIGHT CONFIGURATION

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
40	73.2	245.4	59,000	59,000									40
45	70.2	243.7	56,100	56,100	73.2	245.0	59,000	59,000					45
50	67.1	241.8	50,800	50,800	70.2	243.3	59,000	59,000					50
60	60.8	236.9	40,200	40,200	63.9	239.1	56,100	49,700					60
70	53.9	230.5	32,200	32,200	57.4	233.5	46,100	40,500	65.4	238.6	42,500	36,800	70
80	46.5	222.1	28,800	28,800	50.3	226.2	38,800	33,900	58.9	233.3	35,700	30,800	80
90	37.9	211.1	21,600	21,600	42.3	216.6	33,300	29,400	52.0	226.4	30,600	26,600	90
100	27.3	195.5	16,600	16,600	32.9	203.7	29,400	25,500	44.2	217.4	27,000	23,100	100
110					20.1	183.6	25,500	22,500	35.3	205.4	23,800	20,300	110
120									23.6	187.7	21,200	18,000	120

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
90	60.3	231.8	28,300	24,000									90
100	53.5	225.3	24,600	20,800									100
110	45.9	216.8	21,700	18,200	54.7	222.9	19,600	16,100					110
120	37.3	205.6	19,300	16,100	47.4	214.8	17,400	14,200					120
130	26.4	189.5	17,300	14,400	39.0	204.2	15,600	12,600	48.5	211.4	13,900	10,900	130
140					28.7	189.3	14,000	11,300	40.3	201.2	12,500	9,700	140
150					12.2	162.5	12,700	10,100	30.4	187.1	11,300	8,700	150
160									15.7	163.5	10,200	7,800	160

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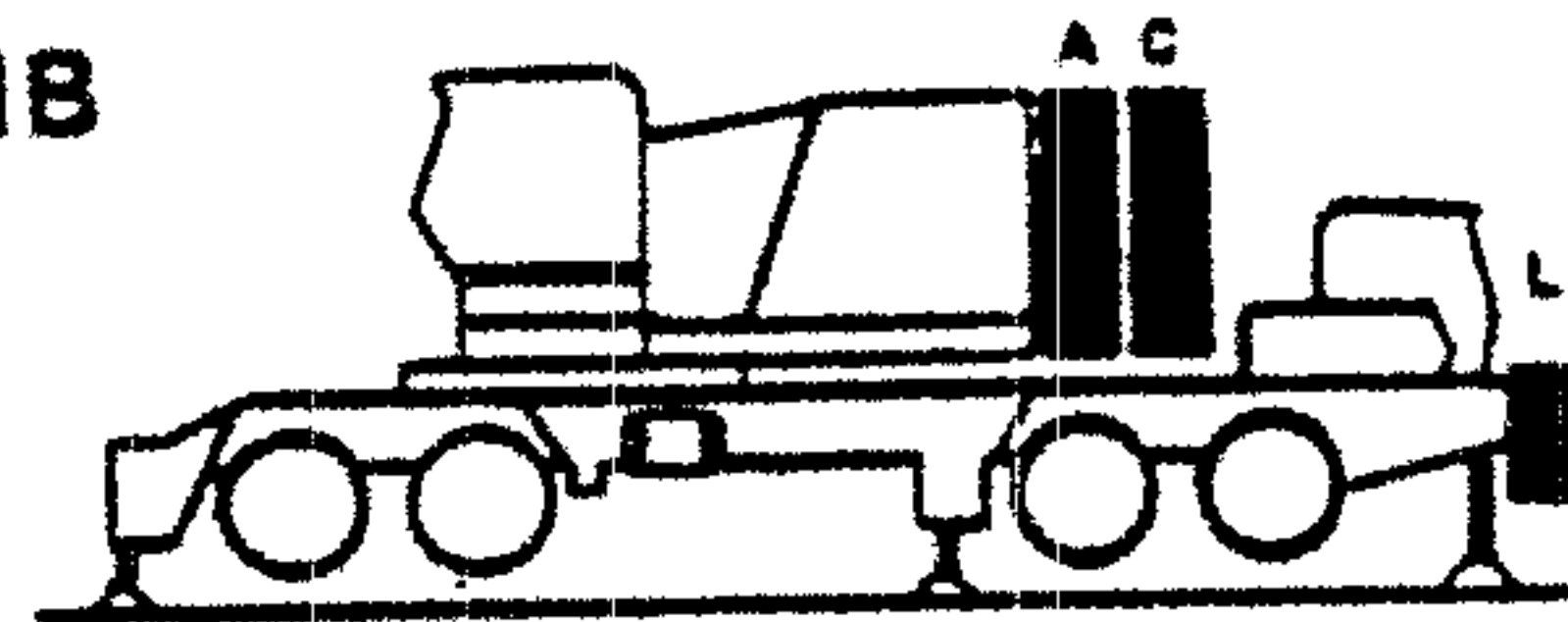
SERIAL NUMBER

HL150T  
IDENTIFICATION



**LUFFING JIB  
76A BOOM + 46 A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

140 FT. BOOM + 120 FT. JIB



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
45	73.6	264.7	52,000	52,000	73.6	264.4	59,000	58,000					45
50	71.1	263.2	47,600	47,600	68.5	260.9	55,400	49,200					50
60	66.0	259.2	40,200	40,200	63.3	256.5	45,500	40,000	69.7	260.2	41,800	36,200	60
70	60.6	254.2	32,800	32,800	57.8	250.8	38,200	33,400	64.5	256.0	35,100	30,200	70
80	55.0	247.9	27,800	27,800	52.0	243.8	32,800	28,900	59.1	250.6	30,000	26,100	80
90	48.9	240.1	23,100	23,100	45.6	235.1	28,900	25,100	53.3	243.9	26,500	22,600	90
100	42.2	230.3	19,200	19,200	38.5	224.0	25,300	22,000	47.1	235.6	23,300	19,800	100
110	34.5	217.6	15,800	15,800	30.0	209.3	22,100	19,600	40.2	225.1	20,700	17,500	110
120	24.9	200.1	12,300	12,300	18.3	187.0	19,300	17,500	32.1	211.5	18,600	15,600	120
130									21.5	191.7	16,700	14,000	130
140													140

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
100	60.3	249.2	24,000	20,100									100
110	54.6	242.8	21,100	17,600									110
120	48.5	234.8	18,700	15,500	55.6	240.3	16,800	13,600					120
130	41.7	224.9	16,700	13,800	49.6	232.7	15,000	12,000					130
140	34.0	212.0	15,100	12,300	43.0	223.1	13,400	10,700	50.5	229.1	11,800	9,100	140
150	24.1	194.0	13,600	11,100	35.5	210.9	12,100	9,600	44.0	219.9	10,600	8,100	150
160					26.1	194.1	11,000	8,600	36.6	208.1	9,600	7,200	160
170					11.2	164.5	10,000	7,700	27.7	192.2	8,700	6,400	170
180									14.3	166.2	7,900	5,700	180

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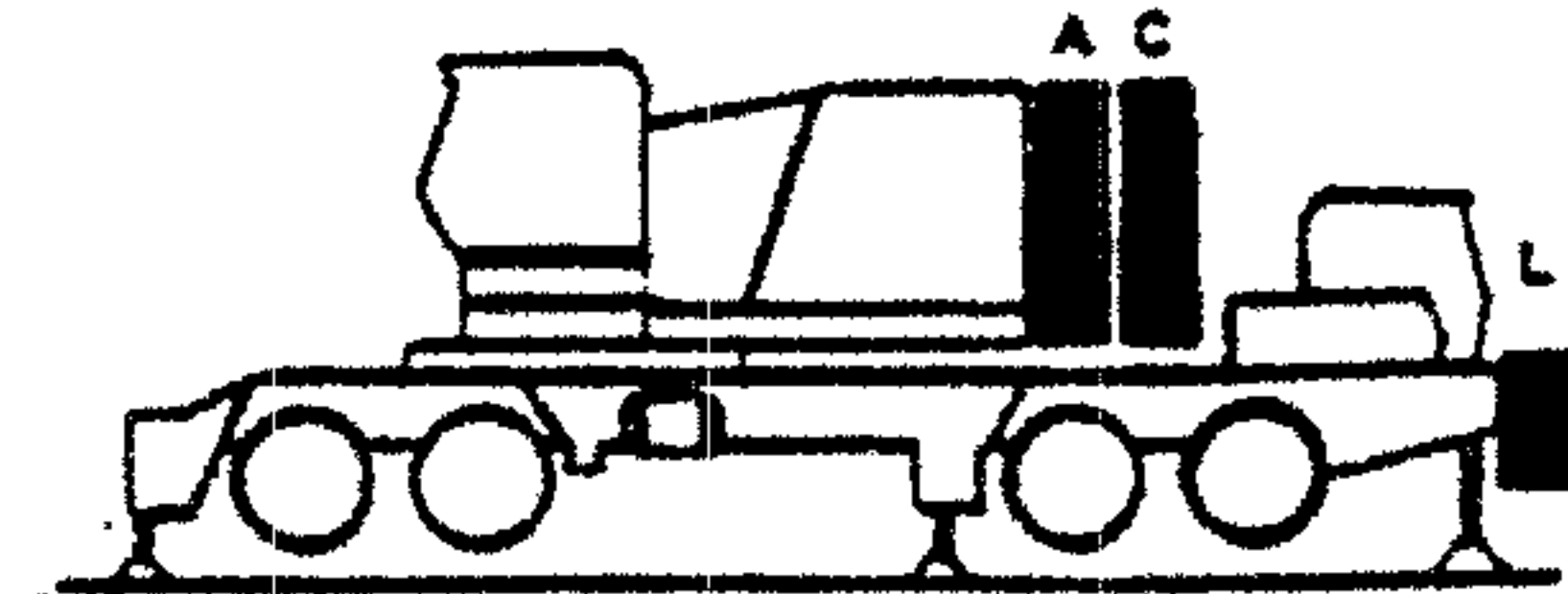






**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES – ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
60	72.2	302.0	31,000	31,000	74.1	303.1	37,200	37,200					60
70	68.4	298.4	26,800	26,800	70.3	299.9	33,100	33,100					70
80	64.5	294.0	23,600	23,600	66.5	296.0	27,900	27,900					80
90	60.5	288.8	20,800	20,800	62.5	291.2	25,200	25,100	67.3	295.3	28,600	25,000	90
100	56.3	282.7	18,300	18,300	58.4	285.5	22,500	22,500	63.4	290.7	25,400	21,500	100
110	51.8	275.4	16,200	16,200	54.1	278.8	20,200	20,200	59.3	285.3	22,300	18,800	110
120	47.1	266.9	14,400	14,400	49.5	270.9	18,200	18,200	55.1	278.8	19,700	16,500	120
130	42.0	256.7	12,400	12,400	44.6	261.6	16,400	16,400	50.6	271.2	17,600	14,600	130
140	36.4	244.5	10,500	10,500	39.2	250.5	14,500	14,500	45.8	262.3	15,800	13,000	140
150	29.8	229.1	8,600	8,600	33.2	236.8	12,800	12,800	40.5	251.6	14,200	11,700	150
160	21.5	208.3	6,600	6,600	25.9	219.2	11,200	11,200	34.6	238.6	12,900	10,500	160
170					15.9	193.0	9,900	9,900	27.7	222.1	11,700	9,500	170
180									18.6	198.7	10,700	8,600	180

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
110	64.2	289.1	20,000	16,500									110
120	60.2	283.8	17,600	14,400									120
130	56.0	277.6	15,600	12,700									130
140	51.5	270.2	14,000	11,300	56.8	275.1	12,300	9,500					140
150	46.8	261.6	12,600	10,000	52.4	267.9	11,000	8,400					150
160	41.7	251.3	11,300	9,000	47.7	259.6	9,800	7,500	53.0	264.3	8,400	6,000	160
170	35.9	238.9	10,300	8,000	42.6	249.6	8,900	6,600	48.4	256.1	7,500	5,200	170
180	29.3	223.3	9,300	7,200	37.0	237.6	8,000	5,900	43.4	246.4	6,700	4,600	180
190	20.8	201.9	8,500	6,500	30.6	222.7	7,200	5,200	37.9	234.8	6,000	4,000	190
200					22.6	202.7	6,500	4,700	31.6	220.3	5,400	3,500	200
210									23.9	201.3	4,800	3,000	210
220									12.4	170.8	4,300	2,600	220

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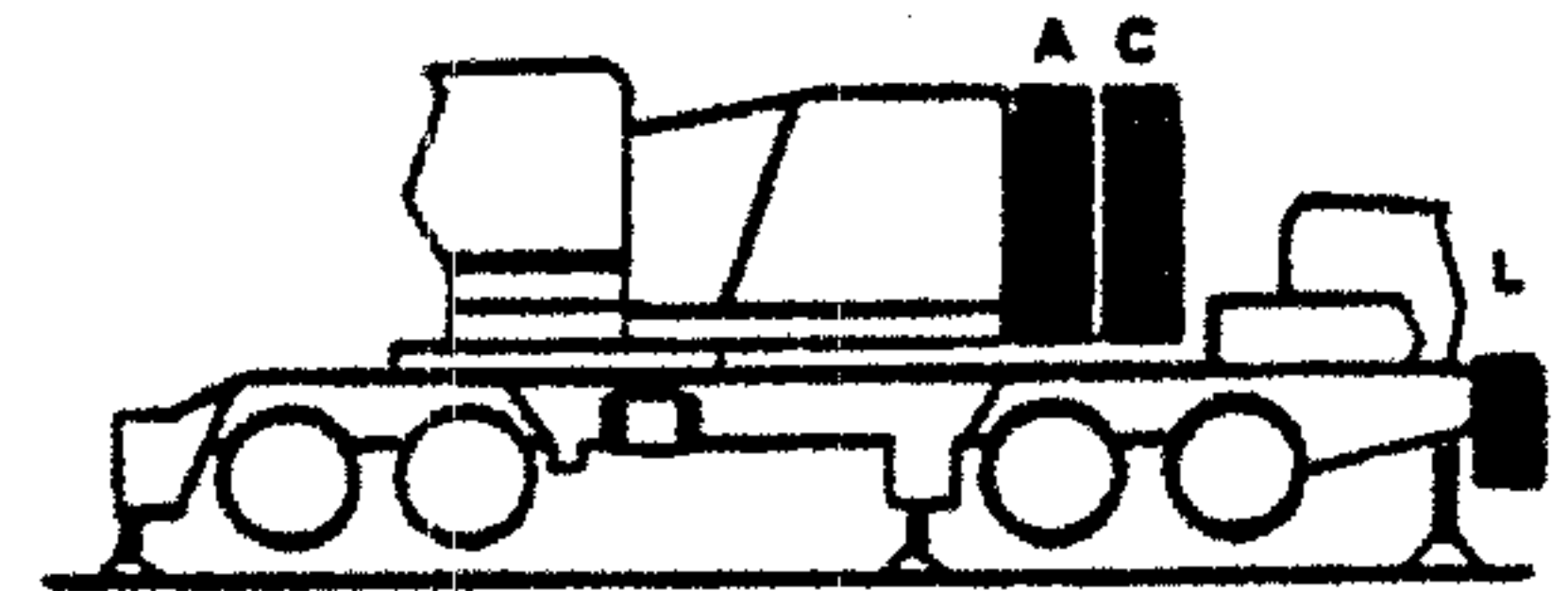


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
35	73.4	246.3	59,000	59,000									35
40	69.7	244.6	55,600	55,600	73.9	246.1	59,000	59,000					40
45	65.8	242.6	49,900	49,900	70.1	244.4	59,000	59,000					45
50	61.8	240.1	45,100	45,100	66.3	242.4	59,000	59,000					50
60	53.3	233.7	36,100	36,100	58.2	237.2	52,700	49,700	69.4	242.2	50,900	44,600	60
70	43.7	224.9	28,700	28,700	49.3	229.8	43,000	40,500	61.5	237.7	41,900	36,300	70
80	32.0	212.0	21,300	21,300	39.0	219.5	35,800	34,000	53.5	231.2	35,200	30,400	80
90					25.6	203.7	30,200	29,400	43.4	222.3	30,200	26,300	90
100									31.6	209.2	26,700	22,800	100
110									12.3	184.4	23,600	20,100	110

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
80	64.6	236.5	31,700	27,100									80
90	56.3	230.9	27,500	23,200									90
100	47.2	223.0	24,000	20,100	59.3	228.8	21,300	17,400					100
110	36.4	211.8	21,100	17,600	50.5	221.8	18,700	15,200					110
120	21.6	193.8	18,800	15,600	40.4	211.9	16,600	13,400	53.3	218.8	14,500	11,300	120
130					27.6	197.1	14,900	11,900	43.7	209.9	12,900	9,900	130
140									32.0	197.1	11,600	8,800	140
150									13.4	173.2	10,400	7,900	150

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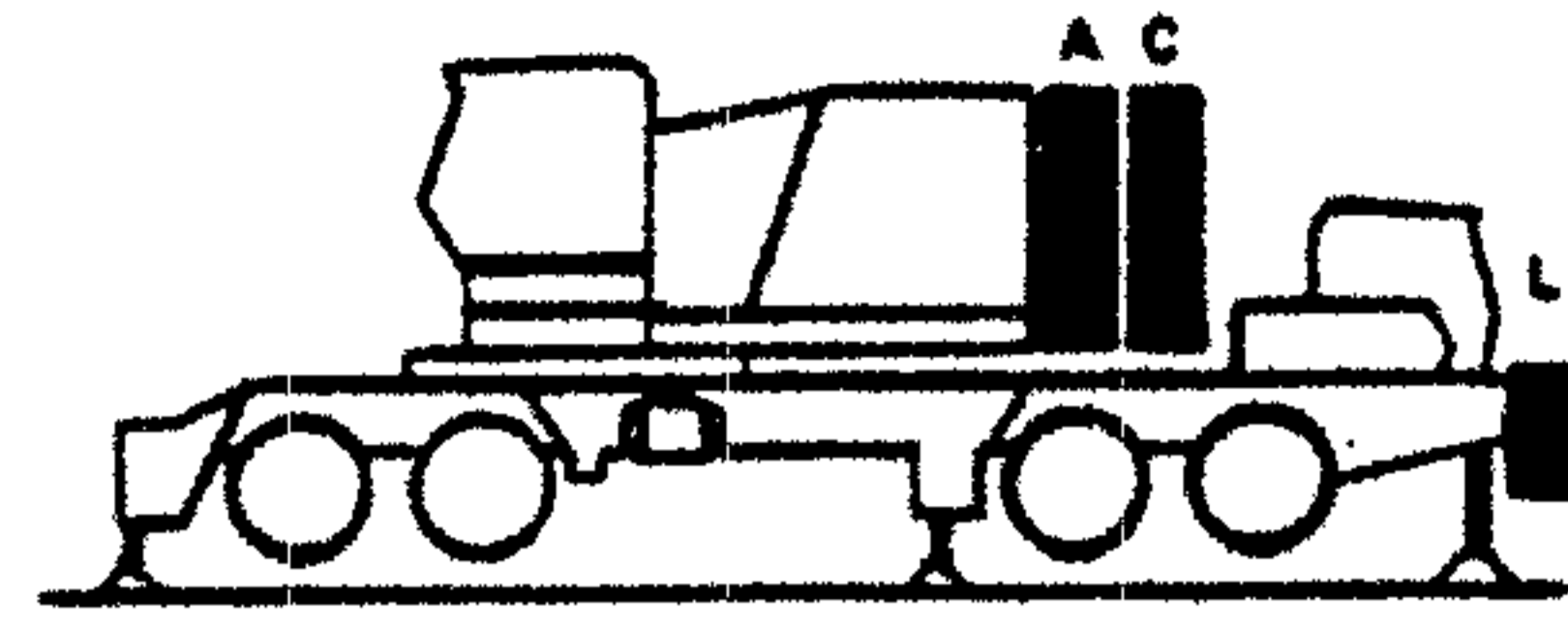
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**160 FT. BOOM + 100 FT. JIB**



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
40	73.9	265.6	<del>53,400</del>	<del>53,400</del>									40
45	70.8	264.1	<del>48,200</del>	<del>48,200</del>	74.2	265.4	<del>59,000</del>	<del>59,000</del>					45
50	67.8	262.2	<del>43,700</del>	<del>43,700</del>	71.2	263.9	<del>59,000</del>	<del>59,000</del>					50
60	61.4	257.4	<del>36,800</del>	<del>36,800</del>	65.1	259.9	<del>52,100</del>	49,300					60
70	54.7	251.2	<del>30,000</del>	<del>30,000</del>	58.6	254.5	<del>42,900</del>	40,100	67.6	259.8	41,300	35,700	70
80	47.3	243.1	<del>25,000</del>	<del>25,000</del>	51.6	247.5	<del>35,800</del>	33,600	61.2	255.0	34,700	29,800	80
90	38.9	232.4	<del>20,100</del>	<del>20,100</del>	43.8	238.4	<del>30,300</del>	29,100	54.4	248.7	29,700	25,800	90
100	28.6	217.4	<del>15,400</del>	<del>15,400</del>	34.7	226.2	<del>25,800</del>	25,300	47.0	240.5	26,300	22,400	100
110					22.8	208.0	<del>22,300</del>	22,300	38.6	229.7	23,200	19,700	110
120									28.2	214.5	20,600	17,400	120
130									11.0	186.4	18,500	15,600	130

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
90	63.7	253.9	27,000	22,600									90
100	57.1	248.2	23,400	19,600									100
110	49.9	240.8	20,600	17,100	59.4	246.1	18,100	14,600					110
120	42.0	231.2	18,300	15,100	52.5	239.4	16,100	12,900					120
130	32.5	218.0	16,400	13,500	44.9	230.6	14,300	11,400	54.7	236.2	12,300	9,400	130
140	19.3	197.4	14,800	12,100	36.0	218.8	12,900	10,100	47.3	228.1	11,000	8,300	140
150					24.7	201.8	11,600	9,100	38.9	217.4	9,900	7,300	150
160									28.6	202.4	8,900	6,500	160
170									12.0	175.4	8,100	5,800	170

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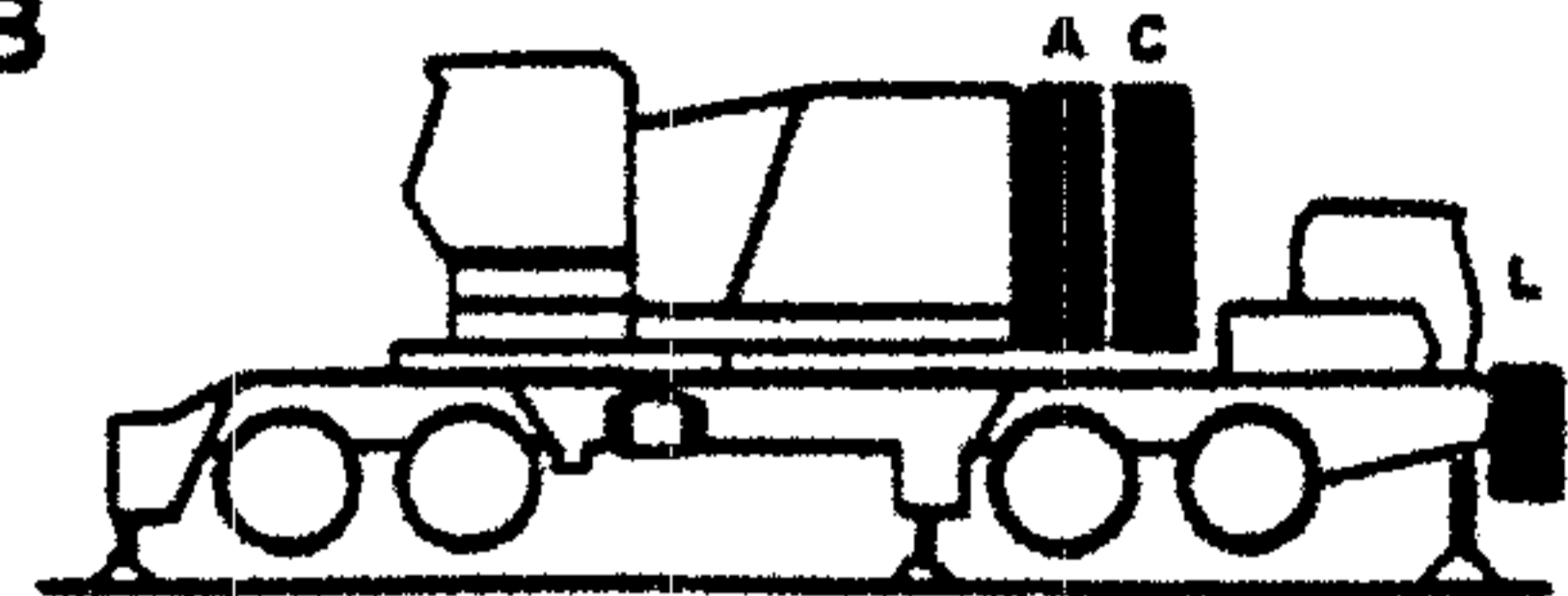


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**160 FT. BOOM + 120 FT. JIB**



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
45	74.1	285.0	45,000	45,000									45
50	71.6	283.5	41,000	41,000	74.4	284.8	38,900	38,900					50
60	66.5	279.7	34,500	34,500	69.4	281.5	48,700	48,700					60
70	61.2	274.7	29,200	29,200	64.2	277.3	41,300	39,600					70
80	55.6	268.6	25,200	25,200	58.8	271.8	34,700	33,000	66.3	277.3	34,100	29,200	80
90	49.6	260.9	21,400	21,400	53.0	265.1	29,200	28,600	61.0	272.3	29,100	25,200	90
100	43.0	251.4	17,800	17,800	46.8	256.6	25,000	24,800	55.4	266.1	25,700	21,800	100
110	35.4	239.1	14,500	14,500	39.8	246.0	21,600	21,600	49.4	258.4	22,600	19,100	110
120	26.0	222.3	11,300	11,300	31.6	232.1	18,800	18,800	42.7	248.8	20,100	16,900	120
130					20.8	211.8	16,400	16,400	35.1	236.4	18,000	15,100	130
140									25.7	219.3	16,200	13,500	140
150									10.0	188.3	14,700	12,200	150

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
100	63.1	271.3	22,800	18,900									100
110	57.6	265.6	20,000	16,500									110
120	51.7	258.5	17,700	14,500	59.5	263.5	15,400	12,200					120
130	45.3	249.6	15,800	12,900	53.8	256.9	13,700	10,700					130
140	38.2	238.4	14,200	11,500	47.6	248.7	12,200	9,500					140
150	29.6	223.5	12,800	10,300	40.8	238.4	11,000	8,500	49.6	246.0	9,200	6,700	150
160	17.6	200.6	11,600	9,300	32.8	225.0	9,900	7,500	43.0	236.4	8,300	5,900	160
170					22.5	205.9	9,000	6,800	35.4	224.1	7,400	5,200	170
180									26.0	207.3	6,700	4,600	180
190									10.9	177.4	6,000	4,100	190

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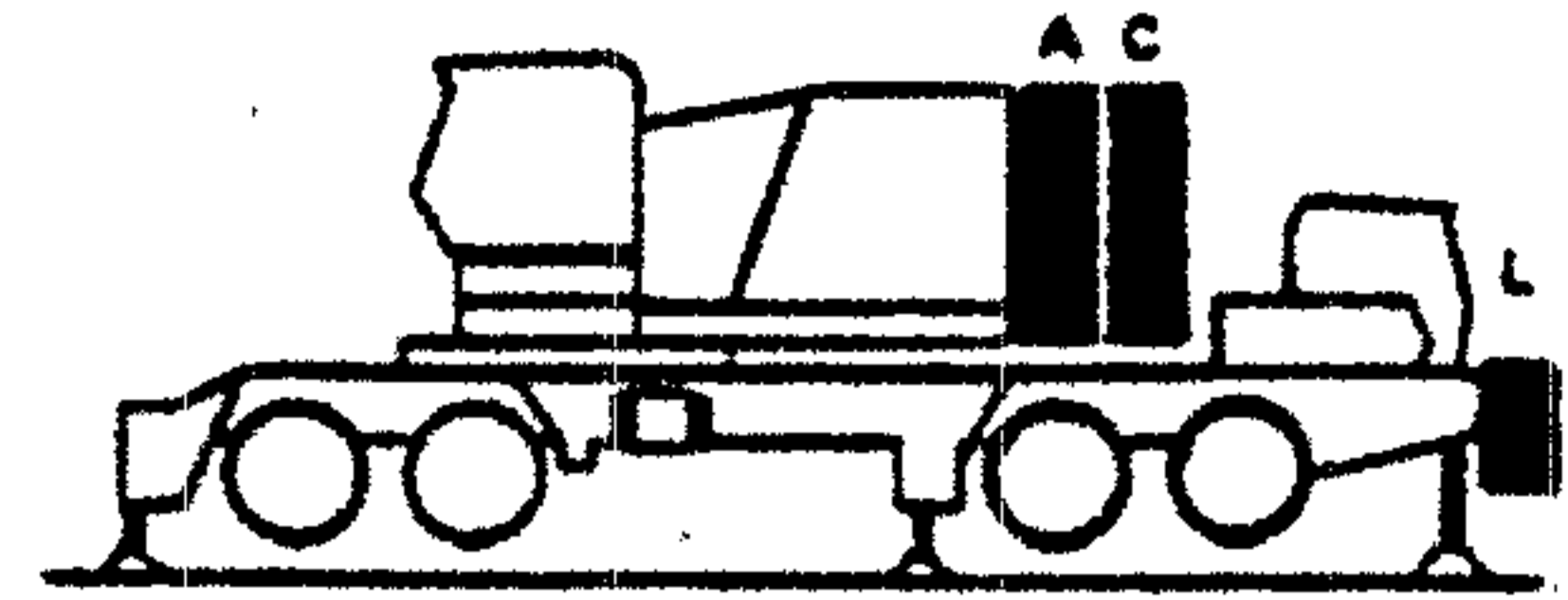
**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
50	74.3	304.4	36,900	36,900									50
60	70.0	301.2	31,300	31,300	72.5	302.7	45,000	45,000					60
70	65.6	297.1	26,800	26,800	68.1	299.1	38,000	38,000					70
80	61.0	292.1	23,000	23,000	63.6	294.6	32,200	32,200	69.9	298.8	33,500	29,100	80
90	56.2	286.0	19,800	19,900	59.0	289.2	27,200	27,200	65.5	294.7	29,000	24,700	90
100	51.2	278.6	17,400	17,400	54.1	282.5	23,500	23,400	60.9	289.6	25,200	21,300	100
110	45.7	269.8	15,300	15,800	48.8	274.6	20,300	20,300	56.1	283.5	22,100	18,600	110
120	39.6	258.9	13,000	13,000	43.1	264.9	17,600	17,600	51.0	276.1	19,600	16,400	120
130	32.7	245.2	10,700	10,700	36.8	253.0	15,300	15,300	45.5	267.2	17,500	14,600	130
140	24.1	226.7	8,300	8,300	29.2	237.6	13,300	13,300	39.4	256.2	15,700	13,000	140
150					19.2	215.4	11,600	11,600	32.4	242.4	14,200	11,700	150
160									23.7	223.7	12,800	10,600	160

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
110	62.6	288.6	19,400	15,900									110
120	57.9	282.9	17,200	14,000									120
130	52.9	276.0	15,300	12,300	59.6	280.8	13,100	10,200					130
140	47.6	267.7	13,700	11,000	54.7	274.3	11,700	8,900					140
150	41.8	257.6	12,300	9,800	49.5	266.5	10,500	7,900					150
160	35.2	245.0	11,100	8,800	43.9	257.1	9,400	7,000	51.1	263.7	7,700	5,300	160
170	27.3	228.6	10,100	7,900	37.6	245.5	8,500	6,200	45.7	254.8	6,900	4,600	170
180	16.3	203.6	9,200	7,100	30.3	230.7	7,600	5,500	39.6	243.9	6,200	4,000	180
190					20.8	209.7	6,900	4,900	32.7	230.2	5,500	3,500	190
200									24.1	211.7	4,900	3,000	200
210									10.1	179.2	4,400	2,600	210

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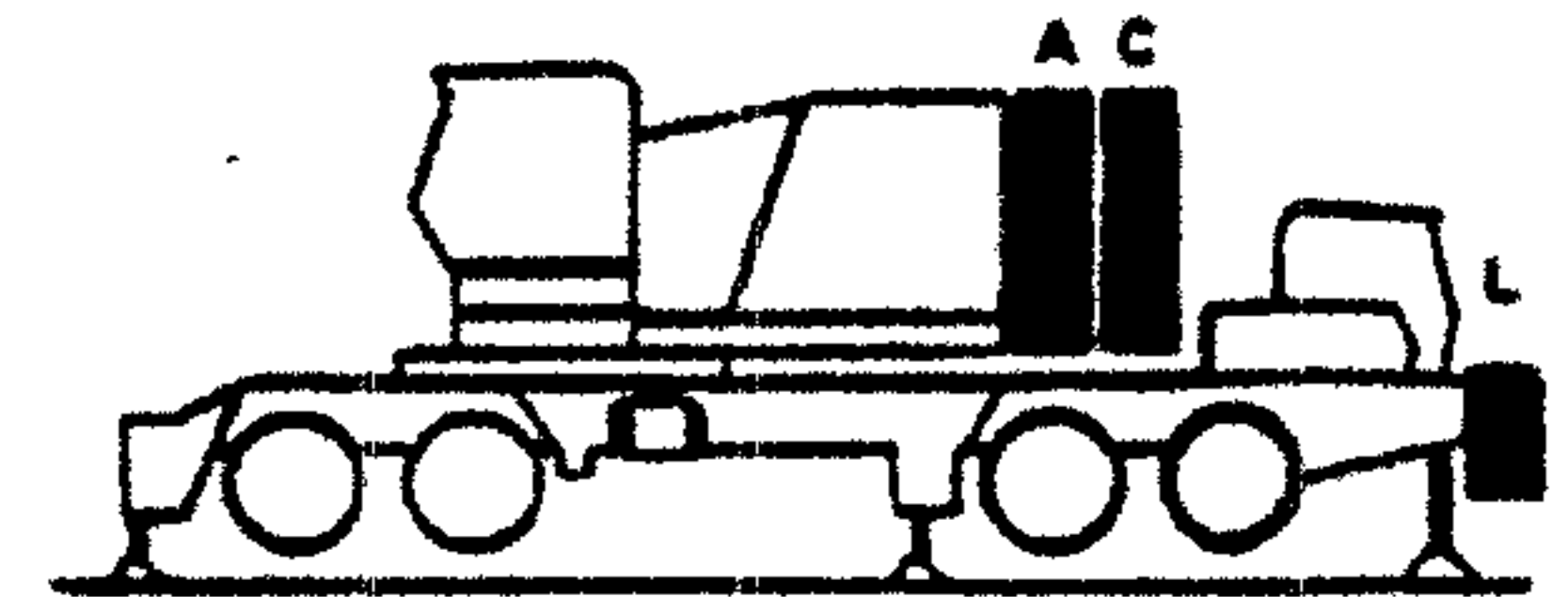
**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES – ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
60	72.6	322.3	26,700	26,700	74.7	323.5	37,800	37,800					60
70	68.8	318.8	23,100	23,100	71.0	320.5	33,000	33,000					70
80	64.9	314.5	20,000	20,000	67.1	316.6	28,000	28,000					80
90	60.9	309.4	17,300	17,300	63.2	312.0	24,200	24,200	68.7	316.4	28,400	24,100	90
100	56.7	303.3	15,100	15,100	59.1	306.5	20,900	20,900	64.8	312.1	24,600	20,800	100
110	52.3	296.2	13,100	13,100	54.8	300.0	18,100	18,100	60.8	307.0	21,500	18,100	110
120	47.6	287.8	11,400	11,400	50.3	292.3	15,700	15,700	56.6	300.9	19,000	15,900	120
130	42.6	277.8	9,900	9,900	45.5	283.3	13,500	13,500	52.2	293.7	17,000	14,000	130
140	37.0	265.8	8,600	8,600	40.2	272.5	11,700	11,700	47.5	285.3	15,200	12,500	140
150	30.5	250.9	7,600	7,600	34.3	259.4	10,100	10,100	42.4	275.2	13,700	11,200	150
160	22.5	230.8	5,900	5,900	27.3	242.6	8,700	8,700	36.8	263.1	11,700	10,000	160
170					18.0	218.6	7,500	7,500	30.3	248.0	10,000	9,000	170
180									22.2	227.8	8,400	8,200	180

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
120	62.3	306.0	16,500	13,400									120
130	58.2	300.2	14,700	11,700									130
140	53.9	293.5	13,100	10,400	59.6	298.1	11,000	8,300					140
150	49.3	285.6	11,700	9,200	55.4	291.7	9,800	7,300					150
160	44.4	276.2	10,600	8,200	50.9	284.2	8,800	6,400					160
170	39.0	265.0	9,500	7,300	46.1	275.4	7,800	5,600	52.3	281.2	6,200	4,000	170
180	32.9	251.2	8,600	6,500	40.9	264.9	7,000	4,900	47.6	272.8	5,500	3,400	180
190	25.5	233.3	7,800	5,800	35.1	252.1	6,300	4,300	42.6	262.9	4,900	2,900	190
200	15.3	206.4	7,100	5,200	28.3	235.9	5,700	3,800	37.0	250.9	4,300	2,400	200
210					19.4	213.3	5,100	3,300	30.5	235.9	3,800	2,000	210
220									22.5	215.8	3,300		220

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**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**

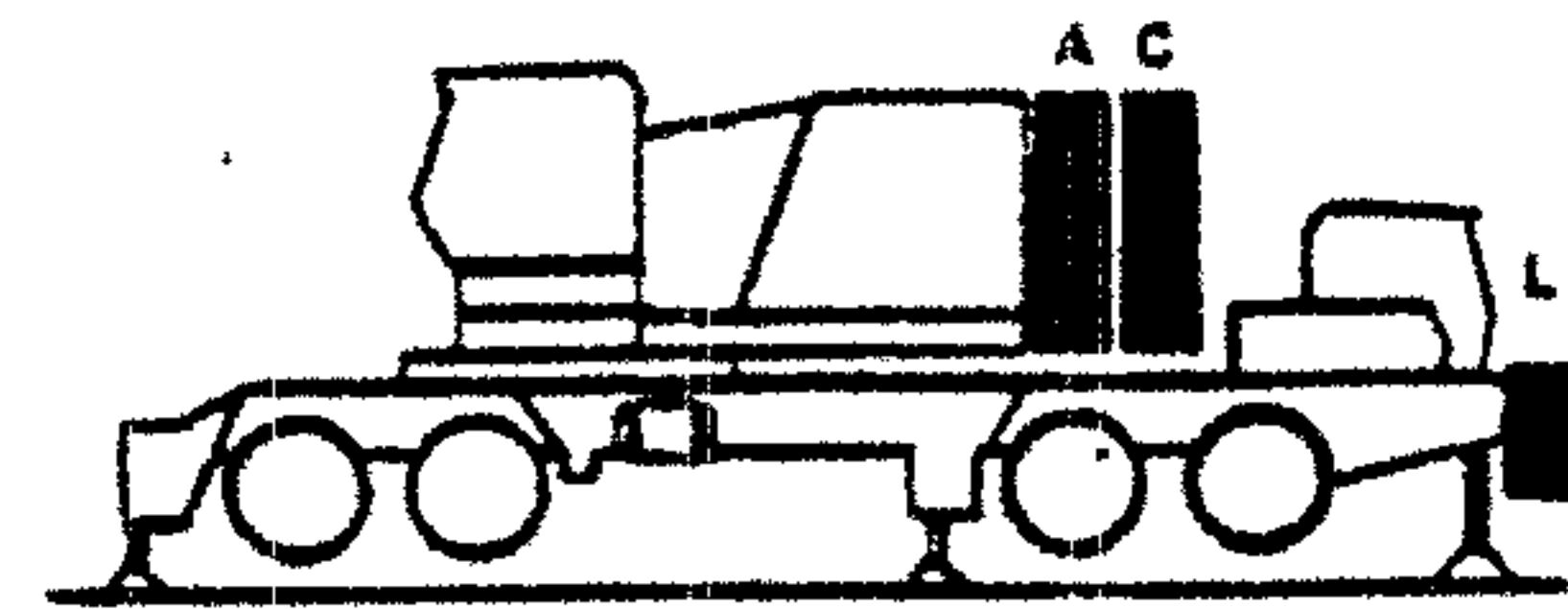


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

170 FT. BOOM + 80 FT. JIB



CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS



COUNTERWEIGHT CONFIGURATION

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
40	70.1	254.8	51,300	51,300	74.6	256.3	59,000	59,000					40
45	66.2	252.8	46,200	46,200	70.8	254.7	59,000	59,000					45
50	62.2	250.4	41,800	41,800	67.0	252.8	59,000	59,000					50
60	53.8	244.1	35,000	35,000	58.9	247.7	48,800	48,800					60
70	44.3	235.4	27,900	27,900	50.1	240.5	40,100	40,100	62.9	248.4	41,300	35,700	70
80	32.7	222.8	20,600	20,600	40.0	230.6	33,500	33,500	54.5	242.4	34,700	29,800	80
90					27.0	215.4	28,000	28,000	45.1	233.9	29,800	25,800	90
100									33.9	221.8	26,300	22,400	100
110									17.2	200.8	23,200	19,700	110

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
90	58.5	242.2	26,800	22,500									90
100	49.7	234.9	23,300	19,500									100
110	39.4	224.8	20,600	17,000	53.6	233.8	17,900	14,400					110
120	26.2	209.3	18,300	15,100	44.1	225.1	15,900	12,700					120
130					32.5	212.4	14,200	11,300	47.9	223.1	12,100	9,100	130
140					14.5	189.4	12,800	10,000	37.3	212.2	10,800	8,100	140
150									23.1	195.0	9,700	7,200	150

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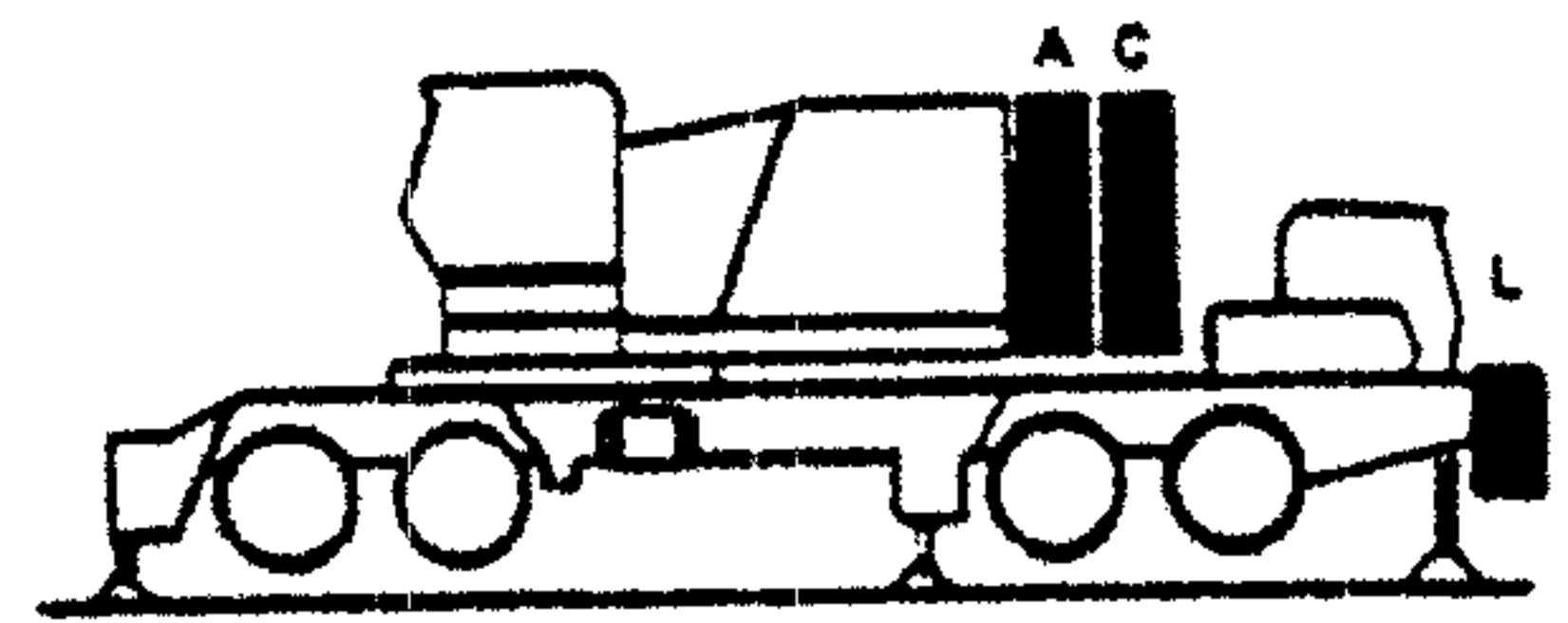
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**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
40	74.2	275.8	48,200	48,200									40
45	71.2	274.2	44,400	44,400	74.8	275.6	59,000	59,000					45
50	68.1	272.4	40,300	40,300	71.8	274.1	59,000	59,000					50
60	61.8	267.7	33,800	33,800	65.6	270.2	48,000	48,000					60
70	55.0	261.5	28,400	28,500	59.1	265.0	39,600	39,600	68.6	270.3	40,700	35,100	70
80	47.7	253.6	24,200	24,200	52.2	258.2	33,200	33,200	62.3	265.8	34,200	29,300	80
90	39.4	243.0	19,500	19,500	44.5	249.3	27,800	27,800	55.7	259.8	29,300	25,400	90
100	29.2	228.4	14,900	14,900	35.6	237.4	23,900	23,900	48.4	252.0	25,800	22,000	100
110					24.1	220.0	20,600	20,600	40.2	241.7	22,800	19,300	110
120									30.2	227.5	20,300	17,100	120
130									15.4	203.7	18,200	15,300	130

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
100	58.8	259.5	22,800	18,900									100
110	51.8	252.6	20,000	16,500									110
120	44.1	243.6	17,800	14,600	54.9	251.3	15,400	12,100					120
130	35.1	231.5	15,900	13,000	47.6	243.3	13,700	10,700					130
140	23.4	213.7	14,300	11,600	39.2	232.7	12,300	9,500	50.5	240.9	10,300	7,500	140
150					29.0	217.9	11,100	8,500	42.6	231.4	9,200	6,600	150
160					12.9	191.8	10,000	7,600	33.3	218.6	8,300	5,900	160
170									20.6	198.9	7,500	5,200	170

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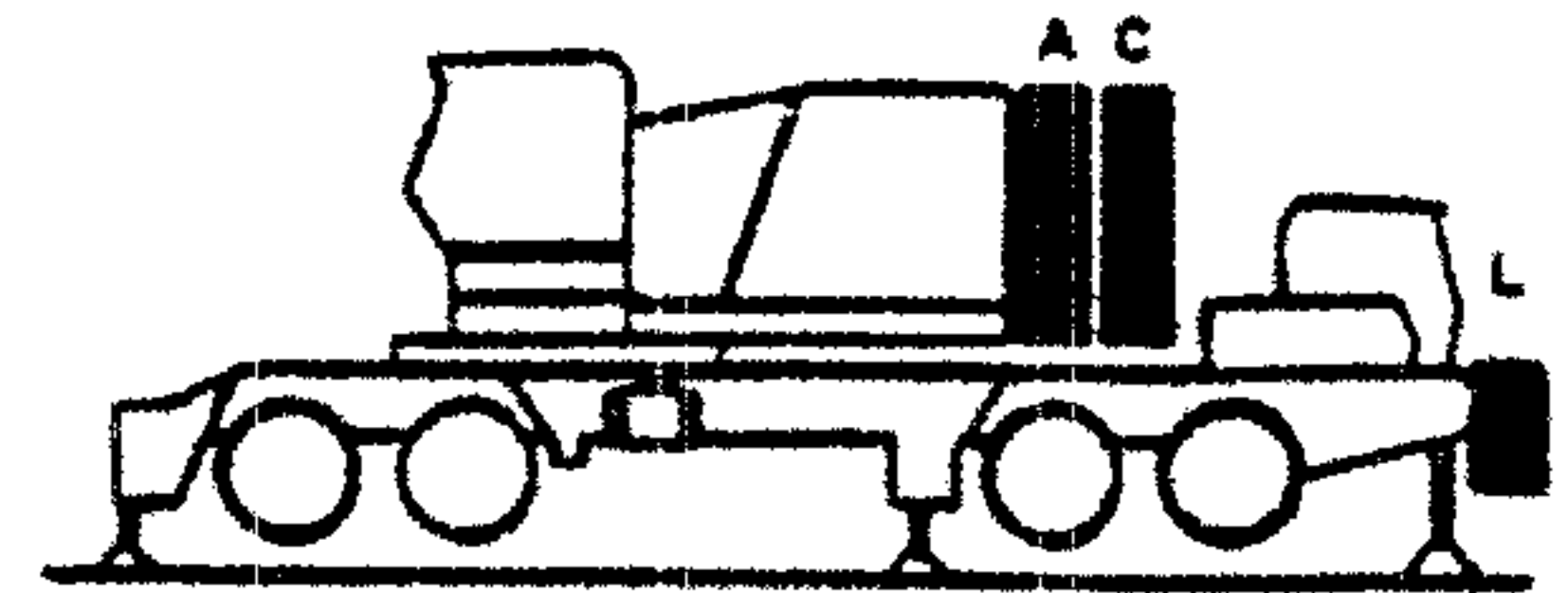


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

170 FT. BOOM + 120 FT. JIB



CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS



COUNTERWEIGHT CONFIGURATION

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
45	74.4	295.2	41,400	41,400									45
50	71.9	293.6	37,800	37,800	74.9	295.0	55,000	55,000					50
60	66.8	289.9	31,700	31,700	69.9	291.8	45,700	45,700					60
70	61.5	285.0	28,700	28,700	64.7	287.6	38,000	38,000					70
80	55.9	278.9	23,000	23,000	59.3	282.3	31,900	31,900	67.2	287.9	33,500	29,100	80
90	49.9	271.4	20,000	20,000	53.5	275.7	26,800	26,800	62.0	283.1	29,100	24,800	90
100	43.3	261.9	17,200	17,200	47.4	267.4	23,000	23,000	56.4	277.1	25,300	21,400	100
110	35.8	249.8	14,000	14,000	40.5	257.0	19,800	19,800	50.4	269.7	22,200	18,700	110
120	26.6	233.3	10,900	10,900	32.4	243.5	17,200	17,200	43.9	260.5	19,700	16,600	120
130					22.0	224.0	15,000	15,000	36.5	248.6	17,700	14,700	130
140									27.5	232.6	15,900	13,200	140
150									14.0	206.3	14,000	11,900	150

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
100	64.4	282.2	22,100	18,300									100
110	59.0	276.8	19,400	15,900									110
120	53.3	270.1	17,200	14,000									120
130	47.0	261.8	15,300	12,400	55.8	268.7	13,000	10,100					130
140	40.1	251.3	13,700	11,000	49.8	261.1	11,600	8,900					140
150	32.0	237.5	12,400	9,900	43.2	251.6	10,400	7,900	52.2	258.5	8,500	6,000	150
160	21.3	217.6	11,200	8,900	35.7	239.4	9,400	7,000	45.8	249.8	7,600	5,200	160
170					26.4	222.8	8,500	6,200	38.7	238.8	6,800	4,600	170
180					11.8	194.0	7,700	5,600	30.3	224.3	6,100	4,000	180
190									18.8	202.4	5,500	3,500	190

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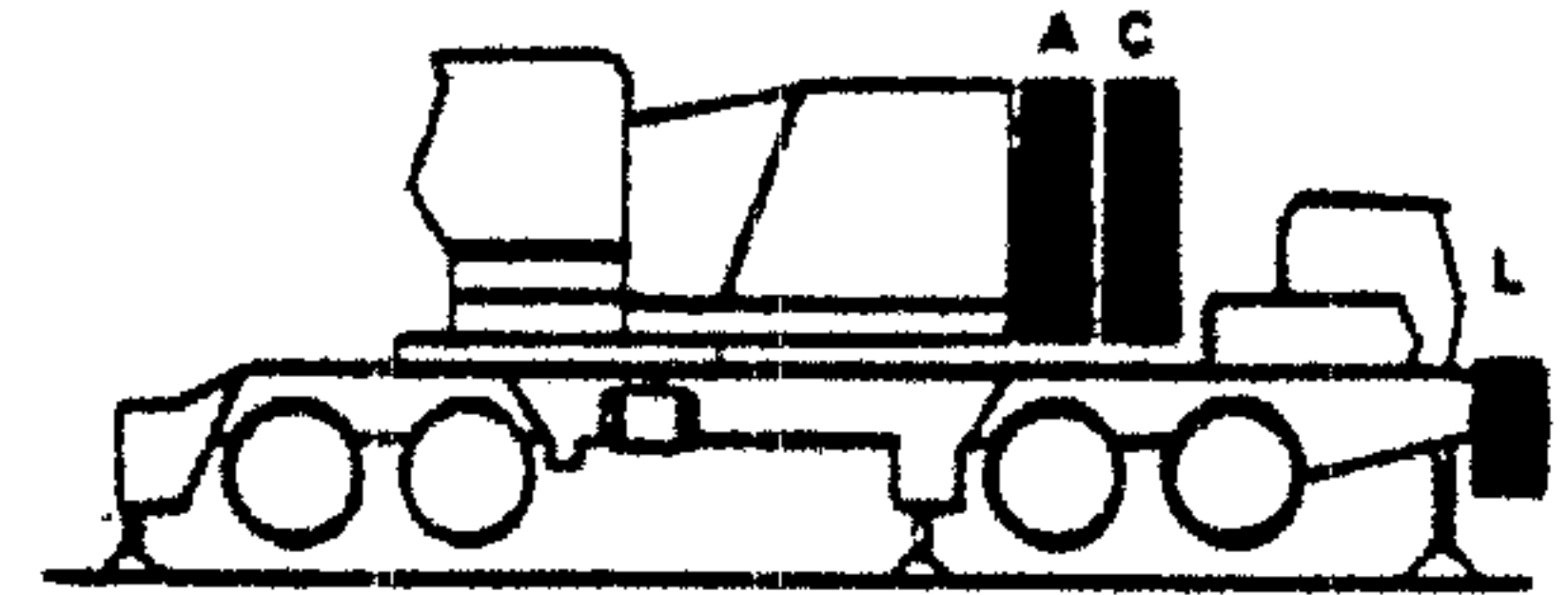
SERIAL NUMBER

HL150T  
IDENTIFICATION



**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES - ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

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



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**

**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
50	74.6	314.5	34,000	34,000									50
60	70.3	311.3	28,400	28,400	72.8	312.9	41,700	41,700					60
70	65.8	307.3	24,300	24,300	68.5	309.4	35,000	35,000					70
80	61.3	302.3	20,900	20,900	64.0	305.0	29,200	29,200					80
90	56.5	296.3	18,100	18,100	59.4	299.6	24,900	24,900	66.2	305.3	28,500	24,200	90
100	51.4	289.0	15,700	15,700	54.5	293.1	21,400	21,400	61.7	300.4	24,800	20,900	100
110	46.0	280.2	13,700	13,700	49.3	285.3	18,400	18,400	56.9	294.5	21,700	18,200	110
120	40.0	269.5	12,000	12,000	43.6	275.8	15,900	15,900	51.9	287.3	19,200	16,100	120
130	33.1	256.0	10,300	10,300	37.3	264.1	13,700	13,700	46.5	278.7	17,200	14,300	130
140	24.6	237.9	7,900	7,900	30.0	249.1	11,900	11,900	40.5	268.2	15,400	12,700	140
150	11.3	207.0			20.3	227.7	10,300	10,300	33.7	255.0	13,500	11,400	150
160									25.4	237.3	11,500	10,300	160
170									13.0	208.6	9,700	9,300	170

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
110	63.8	299.6	18,800	15,300									110
120	59.2	294.2	16,600	13,400									120
130	54.3	287.6	14,800	11,800									130
140	49.0	279.7	13,200	10,500	56.4	286.1	11,000	8,300					140
150	43.4	270.1	11,900	9,300	51.3	278.8	9,900	7,300					150
160	37.0	258.3	10,700	8,400	45.9	269.9	8,800	6,500	53.3	276.0	7,000	4,600	160
170	29.6	243.0	9,700	7,500	39.9	259.2	7,900	5,700	48.0	267.8	6,200	4,000	170
180	19.7	221.2	8,800	6,700	33.0	245.6	7,200	5,100	42.3	257.9	5,500	3,400	180
190					24.4	227.3	6,500	4,500	35.8	245.5	4,900	2,900	190
200					10.9	196.0	5,800	4,000	28.0	229.4	4,400	2,500	200
210									17.4	205.5	3,900	2,100	210

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

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**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.**

**SERIAL NUMBER**

**HL150T  
IDENTIFICATION**

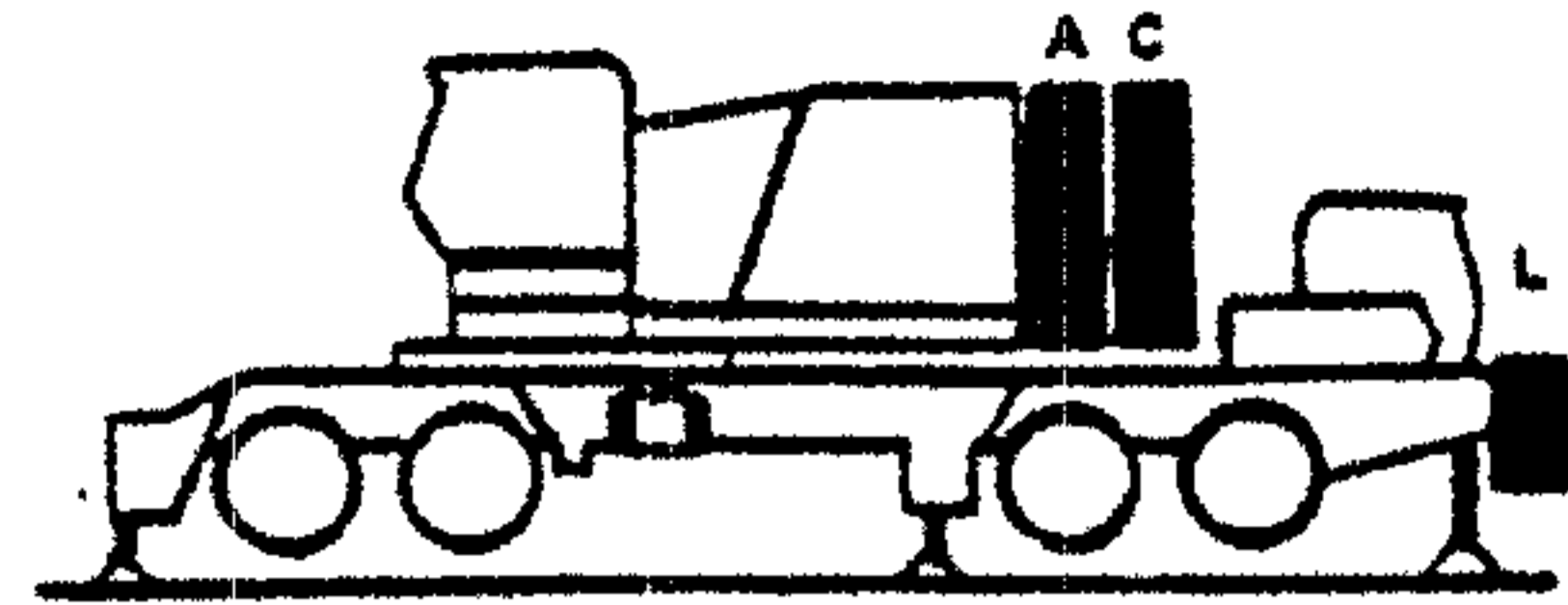


**LUFFING JIB  
76A BOOM + 46A JIB  
CAPACITIES – ON OUTRIGGERS OVER REAR & 360°  
85% STABILITY**

**170 FT. BOOM + 160 FT. JIB**



**CAPACITY IN POUNDS  
WITH A C + L COUNTERWEIGHTS**



**COUNTERWEIGHT CONFIGURATION**

RAD. in FT.	BOOM ANGLE 87 DEG.				BOOM ANGLE 85 DEG.				BOOM ANGLE 80 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
60	72.8	332.4	24,600	24,600									60
70	69.0	329.0	21,100	21,100	71.3	330.7	30,800	30,800					70
80	65.1	324.7	18,100	18,100	67.5	326.9	25,900	25,900					80
90	61.1	319.7	15,600	15,600	63.5	322.4	22,200	22,200	69.4	326.9	27,900	23,600	90
100	56.9	313.7	13,400	13,400	59.5	317.0	19,100	19,100	65.5	322.8	24,200	20,300	100
110	52.6	306.6	11,800	11,600	55.2	310.6	16,400	16,400	61.5	317.8	21,100	17,700	110
120	47.9	298.3	10,000	9,900	50.7	303.0	14,000	14,000	57.3	311.9	18,700	15,500	120
130	42.9	288.4	8,500	8,500	45.9	294.1	12,000	12,000	52.9	304.9	16,600	13,700	130
140	37.3	276.5	7,300	7,300	40.7	283.5	10,300	10,300	48.3	296.7	14,300	12,200	140
150	30.9	261.7	6,300	6,300	34.9	270.6	8,700	8,700	43.3	287.0	12,200	10,900	150
160	23.0	242.1	5,600	5,600	28.0	254.2	7,400	7,400	37.8	275.3	10,300	9,800	160
170					19.0	231.2	6,300	6,300	31.5	260.8	8,700	8,700	170
180									23.8	241.7	7,200	7,200	180
190									12.1	210.8	5,900	5,900	190

RAD. in FT.	BOOM ANGLE 75 DEG.				BOOM ANGLE 70 DEG.				BOOM ANGLE 65 DEG.				RAD. in FT.
	JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		JIB ANG	SHEAVE HGT	RATED LOAD		
			REAR	360°			REAR	360°			REAR	360°	
120	63.3	316.9	16,000	12,800									120
130	59.3	311.5	14,200	11,200									130
140	55.0	305.0	12,600	9,900									140
150	50.5	297.4	11,300	8,700	56.9	303.4	9,200	6,700					150
160	45.7	288.4	10,100	7,800	52.5	296.3	8,200	5,800					160
170	40.4	277.7	9,100	6,900	47.8	288.0	7,300	5,100	54.2	293.5	5,600	3,300	170
180	34.6	264.7	8,200	6,200	42.8	278.1	6,500	4,400	49.6	285.6	4,900	2,800	180
190	27.6	248.1	7,500	5,500	37.2	266.1	5,800	3,900	44.8	276.4	4,300	2,300	190
200	18.5	224.6	6,800	4,900	30.8	251.3	5,200	3,300	39.4	265.3	3,700		200
210					22.8	231.5	4,700	2,900	33.4	251.7	3,300		210
220					10.2	197.8	4,200	2,500	26.2	234.3	2,800		220
230									16.3	208.5	2,500		230

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

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