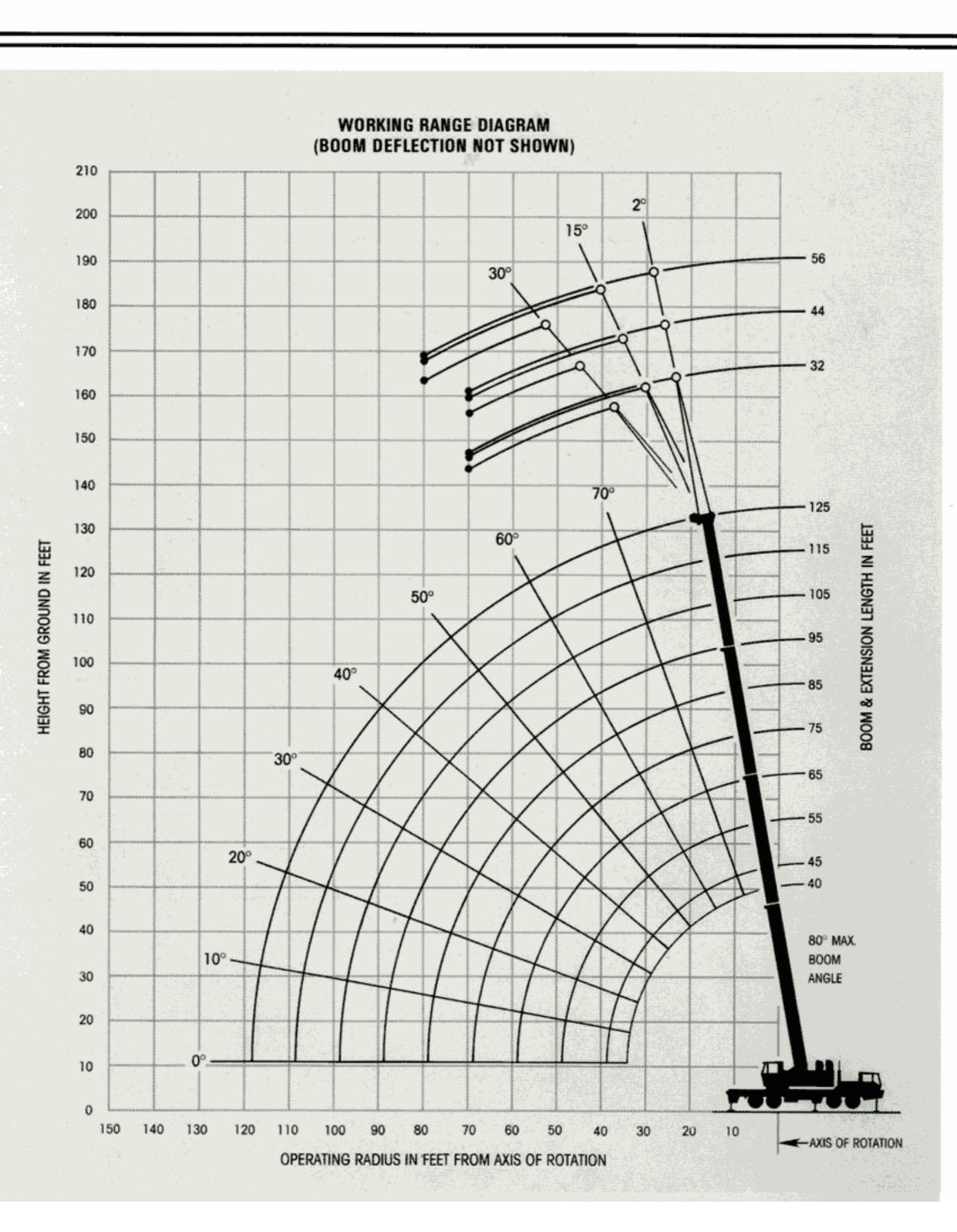




TMS875B Carrier-mounted hydraulic crane/85% Domestic 40 ft. -125 ft. full power



40 FT. - 125 FT BOOM ON OUTRIGGERS WITHOUT COUNTERWEIGHT - 360°

Radius in				Mo	ain Boom I	ength in F	eet			
Feet	40	45	55	65	75	85	95	105	115	125
10	140,500 (72)	115,000 (74.5)	113,500 (77.5)	84,650 (80)						
12	115,000 (68.5)	114,500 (71.5)	113,500 (75.5)	84,650 (78)	55,450 (80)					
15	89,400 (64)	88,800 (67.5)	87,950 (72)	81,200 (75.5)	55,450 (77.5)	55,450 (79.5)	49,900 (80.5)			
20	58,250 (55)	58,000 (60)	57,450 (66.5)	56,950 (70.5)	55,450 (73.5)	55,450 (76)	49,900 (78)	38,800 (79.5)	27,500 (80.5)	23,000
25	32,750 (44.5)	35,700 (52)	32,600 (60.5)	32,500 (65.5)	33,400 (69.5)	29,600 (72.5)	35,750 (75)	37,100 (77)	27,500 (78.5)	23,000
30	21,500 (31)	21,100 (42.5)	20,450 (54)	19,800 (60.5)	20,450 (65.5)	19,700 (69)	22,900 (71.5)	23,750 (74)	24,600 (76)	23,000
35		14,800 (30)	13,750 (46.5)	12,650 (55)	13,200 (61)	9,900 (65)	15,500 (68.5)	16,250 (71)	17,000 (73)	17,750 (75)
40			8,410 (38)	7,870 (49)	8,510 (56)	7,130 (61)	10,750 (65)	11,450 (68)	12,150 (70.5)	12,800
45			5,110 (27)	4,620 (42.5)	5,250 (51)	5,040 (57)	7,450 (61.5)	8,100 (65)	8,750 (68)	9,370 (70)
50				2,220 (35)	2,850 (46)	3,930 (52.5)	5,010 (58)	5,630 (62)	6,250 (65)	6,840 (67.5)
60							1,660 (50)	2,230 (55)	2,810 (59)	3,360 (62)
70										1,070
/linimum l	boom ang	le (deg.) f	or indicate	d length (r	no load)					39.5
/laximum	boom len	ath (ft.) at	0 dea. boo	m angle (no load)					85

Note: () Boom angles are in degrees.

	Lifting Capacities On Outriggers - 360 Degrees At Zero Degree Boom Angle											
Boom				Mo	ain Boom I	ength in F	eet					
Angle	40	45	55									
0*	16,500 (33.7)	10,300 (39.1)	3,650 (49.1)									

Note: () Reference radii in feet.

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40 FT. - 125 FT. BOOM TELE EXTENSION ON OUTRIGGERS WITHOUT COUNTERWEIGHT - 360°

Radius in		32 ff. LENGTH			44 ft. LENGTH			56 ff. LENGTH	
Feet	2° OFFSET	15° OFFSET	30° OFFSET	2° OFFSET	15° OFFSET	30° OFFSET	2° OFFSET	15° OFFSET	30° OFFSET
25	16,000 (81.6)								
30	16,000 (81)			10,000 (81.6)					
35	16,000 (79)	12,300 (81.6)		10,000 (81)			'7,500 (81.6)		
40	13,550 (77)	11,600 (80.5)	*9,000 (81.6)	10,000 (79)	9,000 (81.5)		7,500 (81)		
45	9,890 (75.5)	9,890 (78.5)	8,700 (80)	10,000 (77.5)	8,750 (79.5)		7,500 (79.5)		
50	7,190 (73.5)	7,190 (76.5)	7,190 (78)	9,000 (75.5)	8,300 (78)	6,000 (81.5)	7,500 (78)	6,000	
60	3,470 (69.5)	3,470 (72.5)	3,470 (74)	5,860 (72)	5,860 (74.5)	5,700 (77.5)	5,040 (74.5)	5,040 (76.5)	4,700 (80.5)
70	1,040 (65.5)	1,040 (68.5)	1,040 (70)	2,790 (68)	2,790 (70.5)	2,790 (74)	2,770 (71)	2,770 (73.5)	2,770 (77)
80							1,160 (67.5)	1,160 (70)	1,160 (73.5)

^{*}This capacity based upon maximum boom angle.

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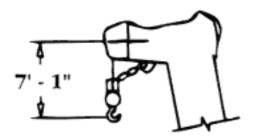
WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

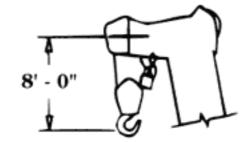
32 - 56 ft. Tele	e. Ext.
*Stowed -	1,062 lbs.
*Erected (ret.) -	8,514 lbs.
*Erected (ext.) -	11,136 lbs.

^{*}Reduction of main boom capacities.

AUXILIARY BOOM HEAD	178 lbs.
HOOKBLOCKS & HEADACHE BALLS:	
80 Ton, 6 Sheave	1,930 lbs.*
45 Ton, 3 Sheave	1,095 lbs.*
15 Ton, 1 Sheave	380 lbs.*
10 Ton Headache Ball	560 lbs.*
7 1/2 Ton Headache Ball	338 lbs.*

^{*}Refer to rating plate for actual weight.



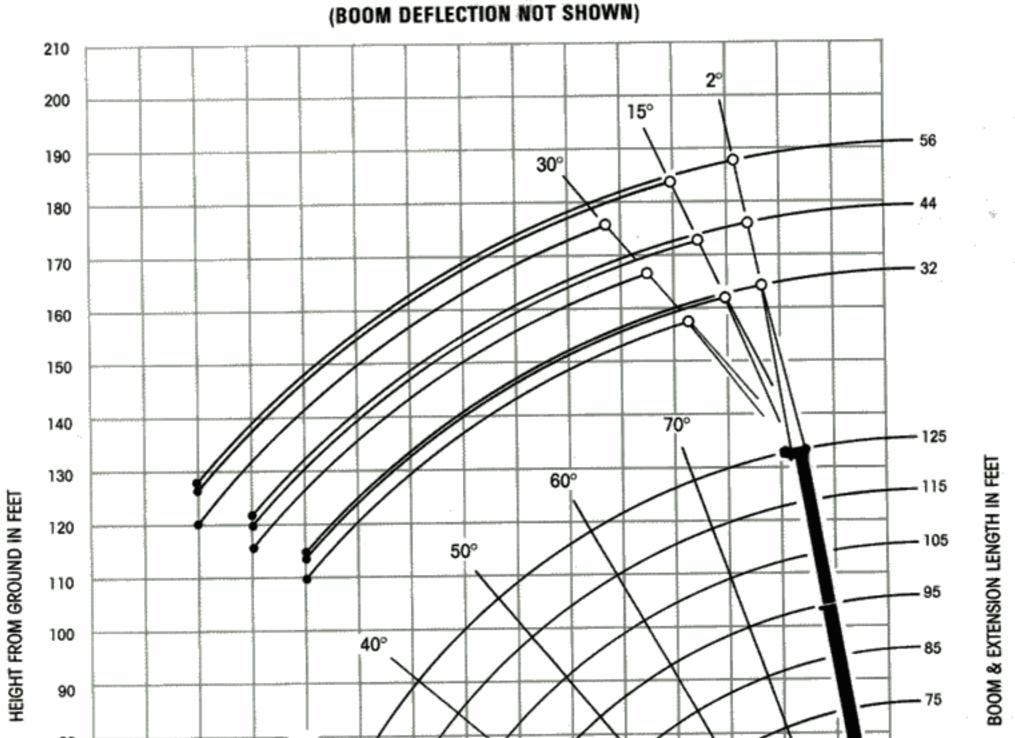


DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI- TWO BLOCK ACTIVATED.

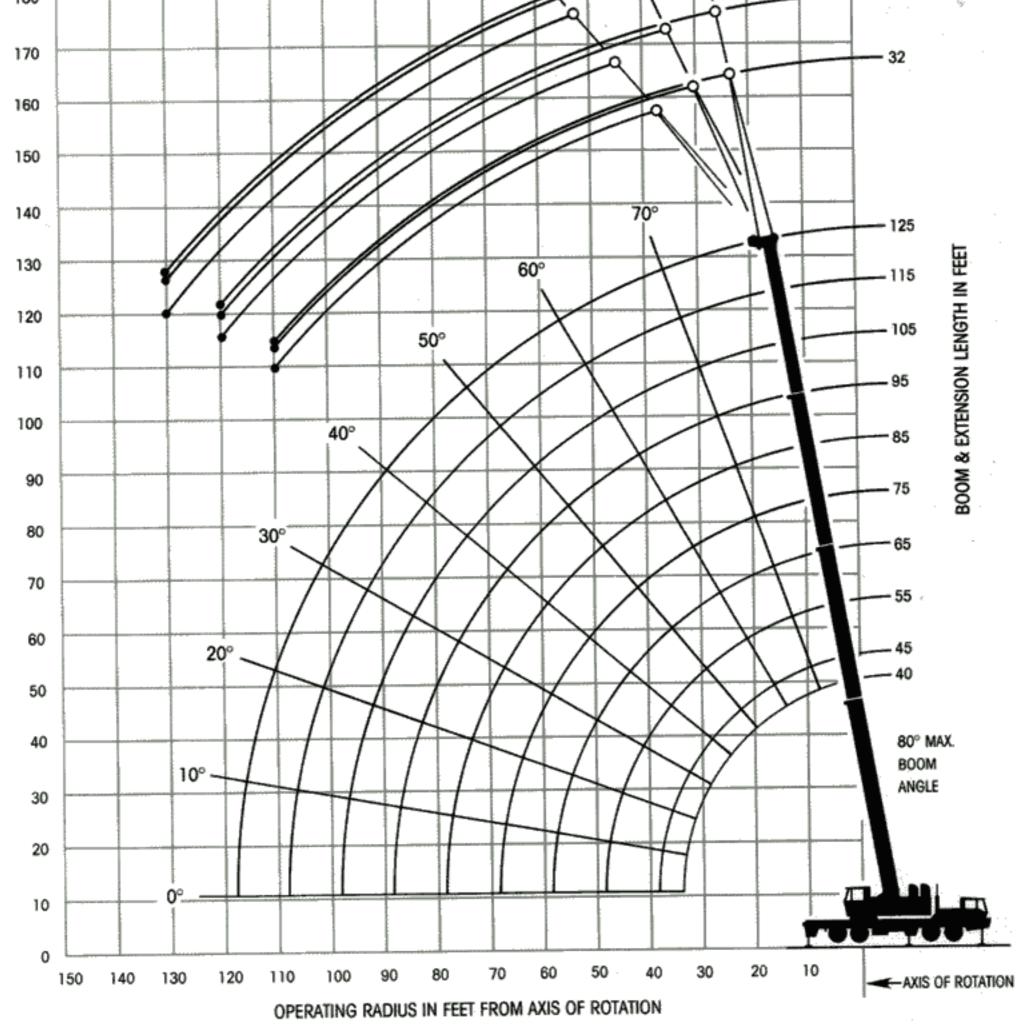




TMS875 Carrier-mounted hydraulic crane/85% Domestic 40 ft. -125 ft. full power boom



WORKING RANGE DIAGRAM



40 FT. - 125 FT. BOOM ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in				Mo	ain Boom l	ength in F	eet			
Feet	40	45	55	65	75	85	95	105	115	125
10	150,000	115,000	113,500	84,650						
	(72)	(74.5)	(77.5)	(80)			l		1	
12	129,000	115,000	113,500	84,650	55,450					
	(68.5)	(71.5)	(75.5)	(78)	(80)					
15	101,000	100,500	99,750	81,200	55,450	55,450	49,900			
	(64)	(67.5)	(72)	(75.5)	(77.5)	(79.5)	(80.5)			
20	72,250	71,650	70,850	62,250	55,450	55,450	49,900	38,800	27,500	23,00
	(55)	(60)	(66.5)	(70.5)	(73.5)	(76)	(78)	(79.5)	(80.5)	(81)
25	54,600	54,000	53,250	49,850	46,600	44,800	42,000	38,800	27,500	23,00
i	(44.5)	(52)	(60.5)	(65.5)	(69.5)	(72.5)	(75)	(77)	(78.5)	(80)
30	43,000	42,450	41,700	41,150	38,500	37,000	35,850	33,750	25,700	23,00
	(31)	(42.5)	(54)	(60.5)	(65.5)	(69)	(71.5)	(74)	(76)	(77.5
35		34,250	33,550	33,000	32,450	31,100	30,150	28,450	21,900	23,00
		(30)	(46.5)	(55)	(61)	(65)	(68.5)	(71)	(73)	(75)
40			27,100	26,150	26,650	26,600	25,800	24,350	18,900	21,05
			(38)	(49)	(56)	(61)	(65)	(68)	(70.5)	(72.5
45			21,200	20,400	20,900	21,900	22,300	21,100	16,500	18,50
			(27)	(42.5)	(51)	(57)	(61.5)	(65)	(68)	(70)
50				16,150	16,650	17,600	18,550	18,500	14,650	16,35
				(35)	(46)	(52.5)	(58)	(62)	(65)	(67.5
60					10,800	11,650	12,550	13,050	11,750	13,00
					(32.5)	(43)	(50)	(55)	(59)	(62)
70						7,880	8,630	9,110	9,590	10,05
						(30.5)	(41)	(47.5)	(52.5)	(56.5)
80							5,860	6,310	6,770	7,210
							(29)	(39)	(45.5)	(50.5
90								4,240	4,680	5,090
			_					(28)	(37.5)	(44)
100									3,090	3,460
									(27)	(36)
110										2,160
										(25.5)
finimum boom angle (deg.) for indicated length (no load)										0
1aximum	boom len	gth (ft.) at	0 deg. boo	om angle ((no load)					125

Note: () Boom angles are in degrees.

	Lifting Capacities On Outriggers - 360 Degrees At Zero Degree Boom Angle													
Boom				М	ain Boom L	ength in F	eet							
Angle	40	45	55	65	75	85	95	105	115	125				
0,	30,400 (33.7)	24,900 (39.1)	17,600 (49.1)	10,750 (59.1)	7,420 (69.1)	5,430 (79.1)	3,960 (89.1)	2,830 (99.1)	1,930 (109.1)	1,230 (118.7)				

Note: () Reference radii in feet.

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NOTES FOR LIFTING CAPACITIES

"WARNING: THIS CHART IS ONLY A GUIDE. The Notes below 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".

- All rated loads have been tested to and meet minimum requirements of SAE J1063 OCT80 - Cantilevered Boom Crane Structures - Method of Test, and do not exceed 85% of the tipping load on outriggers (75% of tipping load on rubber) as determined by SAE J765 OCT80 Crane Stability Test Code.
- Capacities given do not include the weight of hookblocks, slings, auxiliary lifting equipment and load handling devices. Their weights MUST be added to the load to be lifted. When more than minimum required reeving is used, the additional rope weight shall be considered part of the load.
- All capacities are for crane on firm, level surface. It may be necessary to have structural supports under the outrigger floats or tires to spread the load to a larger bearing surface.
- 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.
- For outrigger operation, ALL outriggers shall be fully extended with tires raised free of ground before raising the boom or lifting loads.
- Tires shall be inflated to the recommended pressure before lifting on rubber.
- Unless otherwise stated, capacities are with powered boom sections equally extended.
- Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
- With tele-boom extension in working position and main boom length greater than 70 ft., boom angle must not be less than 30°.

Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment.



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Form No.: LCTMS875B 40'-125' Boom Dom. 292 P/N: 3-656 Printed in U.S.A.

40 FT.-125 FT. BOOM TELE. EXTENSION ON OUTRIGGERS - 360°

Radius in		32 ff. LENGTH			44 ft. LENGTH		56 ft. LENGTH			
Feet	2 OFFSET	15 OFFSET	30° OFFSET	2 OFFSET	15 OFFSET	30" OFFSET	2 OFFSET	15 OFFSET	30 OFFSE	
25	16,000 (81.6)									
30	16,000 (81)			10.000 (81.6)						
35	16,000	'12,306 (81.6)		10,000			7,500 (81.6)			
40	15,800 (77)	11,600 (80.5)	19,000 (81.6)	10.000	9,000 (81.5)		7.500 (81)			
45	15,600 (75.5)	11,000 (78.5)	8,700 (80)	10,000 (77.5)	8.750 (79.5)		7,500 (79.5)			
50	14,650 (73.5)	10.500 (76.5)	8,500 (78)	9,000 (75.5)	8.300 (78)	6,000 (81.5)	7,500 (78)	6,000		
60	12,850 (69.5)	9,500 (72.5)	8,000 (74)	8,400 (72)	7,500 (74.5)	5,700 (77.5)	7,500 (74.5)	5,900 (76.5)	4,700 (80.5)	
70	9.880 (65.5)	8,600 68.5)	7,300 (70)	7,800 (68)	6.850 (70.5)	5.400 (74)	6,600	5,550 (73.5)	4,450 (77)	
80	6,900 (61)	6,900 (64)	6,600	6,300 (64.5)	6,300 (66.5)	5,000 (70)	6,100 (67.5)	5,100 (70)	4,150	
90	4,690 (56.5)	4,690 (59.5)	4.690 (61)	5,190 (60.5)	5,190 (62.5)	4,800 (65.5)	5,500	4,700	3,900	
100	2,980 (52)	2,980 (55)	2,980 (56)	4,430 (56)	4,430 (58.5)	4,430 (61.5)	4,500 (60)	4,350 (62.5)	3,700 (66)	
110	1,610 (46.5)	1,610 (49.5)	1,610 (50.5)	2,890 (52)	2,890 (54)	2,890 (56.5)	3.730 (56)	3,730 (58.5)	3,500 (61.5)	
120	o' .			1,620	1,620	1,620	2,510 (52)	2,510 (54)	2,510 (57.5)	
130				19.75			1,460	1.460	1,460	

NOTE: () Boom angles are in degrees.

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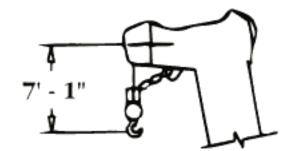
WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

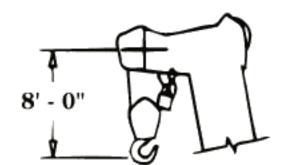
32 - 56 ft. Tele	. Ext.
*Stowed -	1,062 lbs.
*Erected (ret.) -	8,514 lbs.
*Erected (ext.) -	11,136 lbs.

^{*}Reduction of main boom capacities.

AUXILIARY BOOM HEAD	178 lbs.
HOOKBLOCKS & HEADACHE BALLS:	
80 Ton, 6 Sheave	1,930 lbs.*
45 Ton, 3 Sheave	1,095 lbs.*
15 Ton, 1 Sheave	380 lbs.*
10 Ton Headache Ball	560 lbs.*
7 1/2 Ton Headache Ball	338 lbs.*

^{*}Refer to rating plate for actual weight.





DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

^{*}This capacity is based upon maximum boom angle.