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Link-Belt[®]

CRANES

This electronic
CRANE RATING MANUAL
is
“FOR REFERENCE ONLY”

The lift capacity information with serial number, that is located on the capacity plate or in the Crane Rating Manual affixed in the crane operator's cab, supersedes all other lift capacities.

This document and all other lift capacity information are for reference only.

Notice: The referenced lift capacities contained herein are only for the crane with the serial number that appears at the bottom of each page.

SN# D6I6-3704

Link-Belt®

CONSTRUCTION EQUIPMENT

HTC - 8665

CRANE RATING MANUAL
4-SECTION POWER BOOM

SERIAL NUMBER **D6I6-3704**

For Replacement, Order Part Number: D6P0058

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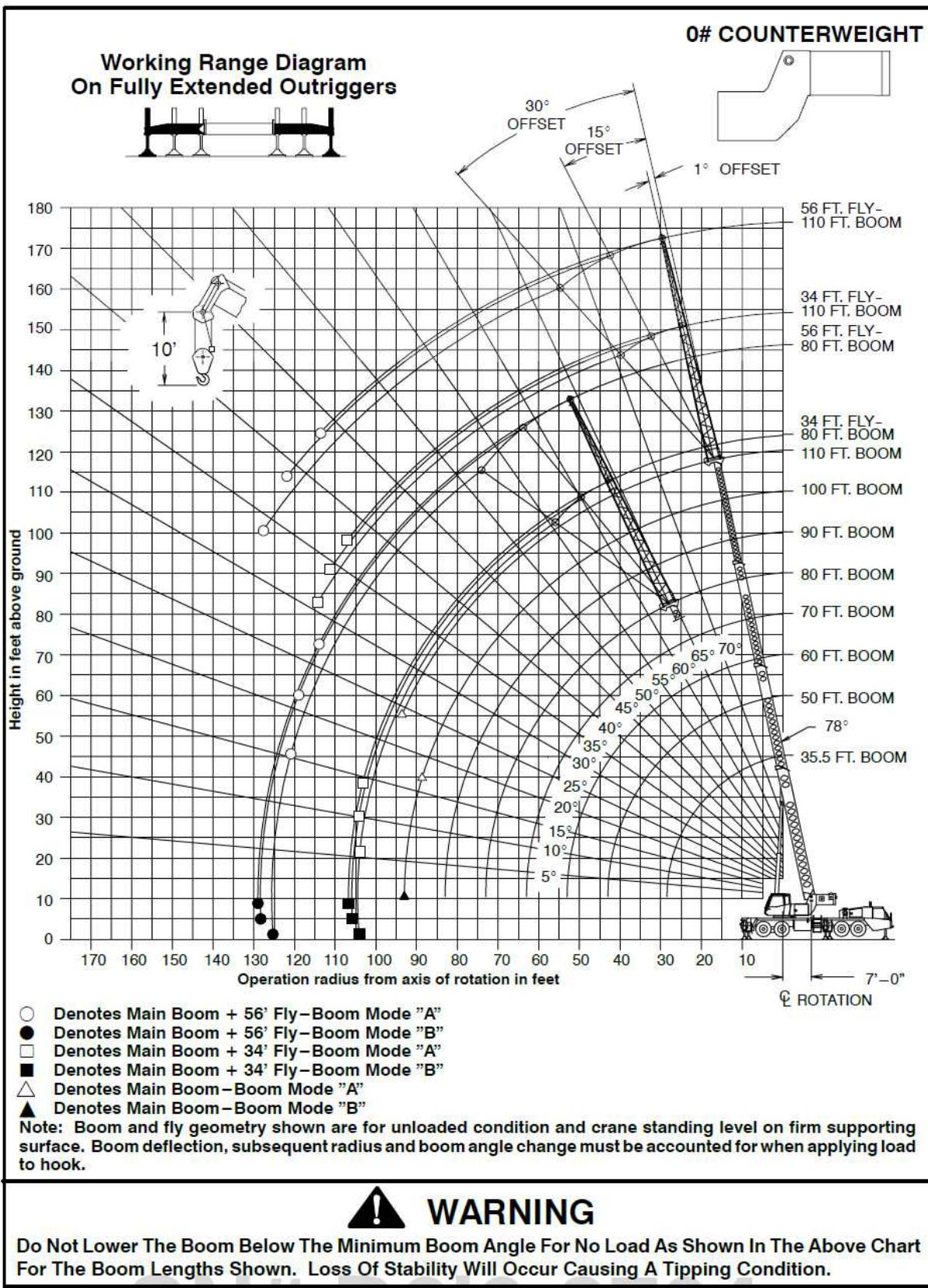
HTC-8665 4-Section Power Boom

SN# D6I6-3704

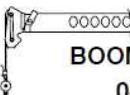
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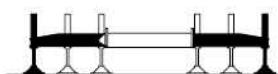
Courtesy of Crane.Market

WORKING RANGE DIAGRAM






BOOM MODE "A"
0# CTWT
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.



35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.			50 Ft.			60 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
10	65.5	123,000	123,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	74,900	74,900	12
15	56.0	92,200	92,200	67.0	75,300	75,300	71.5	74,900	74,900	15
20	45.0	64,200	64,200	60.5	64,100	64,100	66.5	64,100	64,100	20
25	30.0	41,500	41,500	53.5	41,600	41,600	61.0	41,600	41,600	25
30				45.5	29,800	29,800	55.0	29,800	29,800	30
35	See Operation Note 20.			36.0	22,500	22,500	48.5	22,500	22,500	35
40				23.0	17,400	17,500	41.5	17,500	17,500	40
45							33.0	13,600	13,900	45
50							21.0	10,700	11,200	50
Min. Boom Angle/Cap.	0°	29,300	29,300	0°	14,900	15,100	0°	9,300	9,800	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.			80 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
12	77.0	57,800	57,800				12
15	74.5	52,600	52,600	77.0	42,800	42,800	15
20	70.5	45,200	45,200	73.5	37,500	37,500	20
25	66.0	39,700	39,700	69.5	32,700	32,700	25
30	61.0	29,700	29,700	65.5	29,200	29,200	30
35	56.0	22,500	22,500	61.5	22,400	22,400	35
40	50.5	17,500	17,500	57.0	17,500	17,500	40
45	44.5	13,600	13,900	52.0	13,600	13,900	45
50	38.0	10,800	11,200	47.5	10,800	11,300	50
55	30.5	8,500	9,100	42.0	8,500	9,100	55
60	19.5	6,800	7,400	35.5	6,800	7,400	60
65				28.5	5,400	6,000	65
70				18.5	4,200	4,800	70
Min. Boom Angle/Cap.	0°	5,800	6,500	0°	3,500	4,200	Min. Boom Angle/Cap.

Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.



		Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.								
90 Ft. To 110 Ft. Main Boom										
Load Radius In Feet	90 Ft.			100 Ft.			110 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
20	75.5	28,300	28,300	77.0	28,000	28,000				20
25	72.0	28,300	28,300	74.5	28,000	28,000	76.0	19,600	19,600	25
30	68.5	24,800	24,800	71.5	24,100	24,100	73.5	19,600	19,600	30
35	65.0	21,200	21,200	68.5	20,700	20,700	71.0	19,600	19,600	35
40	61.5	17,900	17,900	65.0	17,900	17,900	68.0	17,300	17,300	40
45	57.5	14,000	14,300	61.5	14,700	15,000	65.0	15,400	15,500	45
50	53.5	11,200	11,600	58.0	11,900	12,300	62.0	12,500	12,800	50
55	49.0	8,900	9,500	54.5	9,700	10,200	58.5	10,200	10,700	55
60	44.5	7,200	7,800	50.5	7,900	8,400	55.5	8,400	9,000	60
65	39.5	5,700	6,400	46.5	6,400	7,000	52.0	7,000	7,500	65
70	34.0	4,600	5,200	42.5	5,200	5,800	48.5	5,800	6,300	70
75	27.0	3,500	4,200	37.5	4,200	4,800	44.5	4,700	5,300	75
80	17.5	2,700	3,300	32.0	3,400	3,900	40.5	3,900	4,400	80
85				25.5	2,600	3,200	36.0	3,100	3,700	85
90							31.0	2,500	3,000	90
Min. Boom Angle/ Cap.	0°	2,200	2,800	17°			24°			Min. Boom Angle/ Cap.

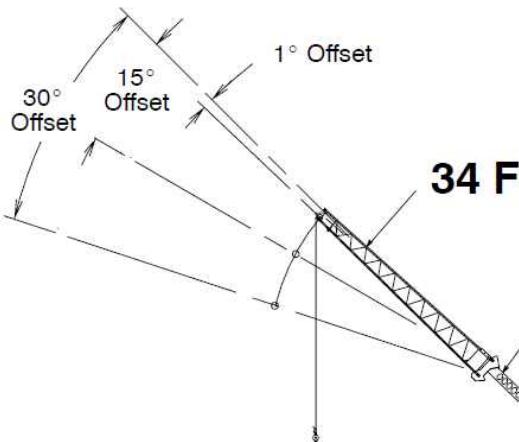
Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

SN# D6I6-3704

HTC-8665 4-Section Power Boom

D6P0031

Courtesy of Crane.Market



34 Ft. Offset Fly

80 Ft. Main Boom

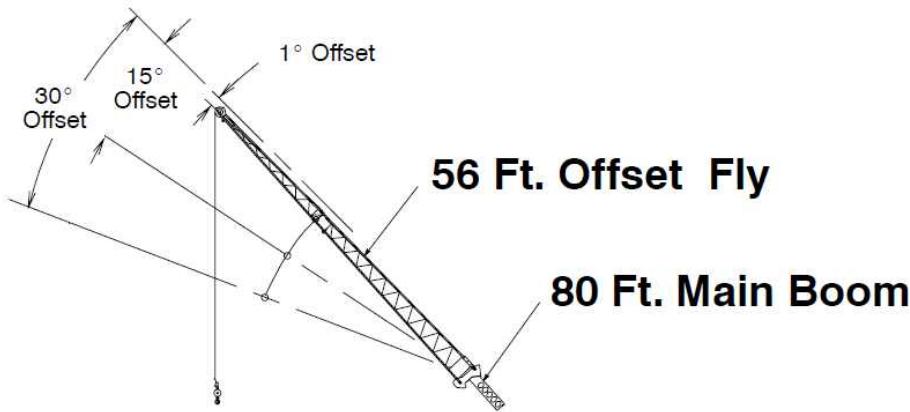
BOOM MODE "A" 0# CTWT		Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.				Load Radius In Feet
Load Radius In Feet	Loaded Boom Angle (Deg.)	1° Offset	15° Offset	30° Offset		
		360°	360°	360°		
25	76.0	20,400				25
30	73.5	18,700	77.5	14,000		30
35	71.0	17,300	75.0	12,900		35
40	68.5	16,100	72.0	12,000	76.0	40
45	65.5	14,900	69.5	11,200	73.0	45
50	63.0	13,100	66.5	10,500	70.5	50
55	59.5	10,800	63.5	9,800	67.5	55
60	56.5	9,000	60.5	9,300	64.0	60
65	53.5	7,500	57.5	8,300	61.0	65
70	50.0	6,300	54.0	6,900	57.5	70
75	46.5	5,200	50.5	5,800	54.0	75
80	42.5	4,300	46.5	4,800	50.0	80
85	38.5	3,600	42.5	4,000	45.5	85
90	34.0	2,900	38.0	3,300	40.5	90
95	29.0	2,300	32.5	2,600	35.0	95
100	22.5	1,800	26.0	2,000	27.5	100



WARNING

Do Not Lower 34 Ft. Offset Fly In Working Position Below 15 Degrees Unless Main Boom Length Is 77 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.



BOOM MODE "A"		Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.					
80 Ft. Main Boom + 56 Ft. Offset Fly							
Load Radius In Feet	1° Offset	15° Offset		30° Offset		Load Radius In Feet	
		Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°		
30	77.0	12,300				30	
35	75.0	11,000				35	
40	72.5	9,900	78.0*	7,300		40	
45	70.5	9,100	76.0	6,800		45	
50	68.0	8,300	73.5	6,400		50	
55	66.0	7,700	71.5	6,000	77.0	4,900	55
60	63.5	7,100	69.0	5,700	74.5	4,700	60
65	61.0	6,600	66.5	5,400	72.0	4,500	65
70	59.0	6,200	64.0	5,100	69.5	4,300	70
75	56.5	5,800	61.5	4,800	67.0	4,100	75
80	53.5	5,200	59.0	4,600	64.0	4,000	80
85	50.5	4,400	56.5	4,400	61.5	3,900	85
90	47.5	3,700	53.5	4,200	58.5	3,700	90
95	44.5	3,100	50.5	3,700	55.0	3,600	95
100	41.5	2,600	47.0	3,100	51.5	3,500	100
105	38.0	2,100	43.5	2,600	48.0	3,000	105
110	34.0	1,700	39.5	2,100	43.5	2,400	110
115			35.0	1,600	38.5	1,900	115
120					32.0	1,400	120

 **WARNING**

Do Not Lower 56 Ft. Offset Fly In Working Position Below 28 Degrees Unless Main Boom Length Is 71 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

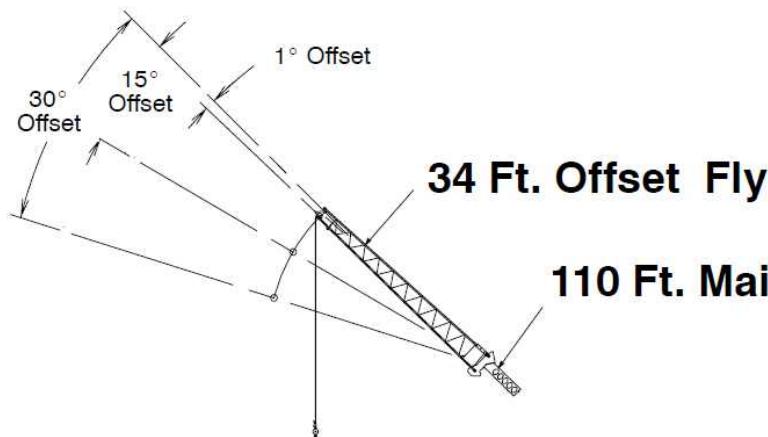
* This capacity based on maximum obtainable boom angle.

SN# D616-3704

HTC-8665 4-Section Power Boom

D6P0031

Courtesy of Crane.Market



BOOM MODE "A" OR "B" 0# CTWT		Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.						
Load Radius In Feet	Loaded Boom Angle (Deg.)	1° Offset		15° Offset		30° Offset		Load Radius In Feet
		360°	360°	360°	360°	360°	360°	
30	77.5	10,000						30
35	75.5	10,000						35
40	74.0	10,000	77.0	9,500				40
45	72.0	9,400	75.0	8,600	78.0*	7,900		45
50	69.5	8,300	73.0	7,800	76.0	7,300		50
55	67.5	7,400	71.0	7,200	74.0	6,700		55
60	65.0	6,600	68.5	6,500	71.5	6,200		60
65	63.0	5,900	66.0	5,800	69.5	5,800		65
70	60.5	5,300	64.0	5,300	67.0	5,200		70
75	58.0	4,800	61.5	4,700	64.5	4,700		75
80	56.0	4,300	59.0	4,300	62.0	4,300		80
85	53.5	3,900	56.5	3,900	59.5	3,800		85
90	50.5	3,300	54.0	3,500	56.5	3,500		90
95	47.5	2,700	51.0	3,100	53.5	3,100		95
100	45.0	2,200	48.0	2,600	50.5	2,800		100
105	41.5	1,800	45.0	2,100	47.5	2,300		105
110			41.5	1,600	44.0	1,800		110

WARNING

Do Not Lower 34 Ft. Offset Fly In Working Position Below 38 Degrees Unless Main Boom Length Is 77 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

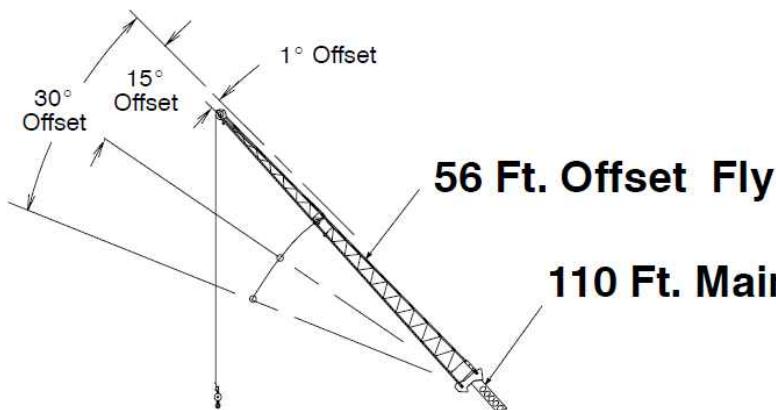
* This capacity based on maximum obtainable boom angle.

D6P0031

HTC-8665 4-Section Power Boom

Courtesy of Crane.Market

SN# D616-3704



110 Ft. Main Boom

56 Ft. Offset Fly

BOOM MODE "A" OR "B" 0# CTWT		Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.					
110 Ft. Main Boom + 56 Ft. Offset Fly							
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0*	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	5,100	72.5	4,600	77.0	4,300	65
70	66.0	4,700	71.0	4,300	75.5	3,900	70
75	64.0	4,300	69.0	3,900	73.5	3,700	75
80	62.0	4,000	67.0	3,700	71.5	3,400	80
85	60.0	3,700	65.0	3,400	69.0	3,200	85
90	58.0	3,400	63.0	3,200	67.0	2,900	90
95	56.0	3,200	60.5	2,900	65.0	2,700	95
100	54.0	2,700	58.5	2,700	62.5	2,600	100
105	51.5	2,200	56.5	2,600	60.5	2,400	105
110	49.0	1,800	54.0	2,300	58.0	2,200	110
115	46.5	1,400	51.5	1,900	55.0	1,900	115
120			48.5	1,500	52.5	1,700	120
125					49.5	1,400	125



WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 44 Degrees Unless Main Boom Length Is 71 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

* This capacity based on maximum obtainable boom angle.

HTC-8665 4-Section Power Boom

D6P0031

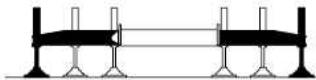
Courtesy of Crane.Market

SN# D616-3704

		Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.								
		35.5 Ft. To 60 Ft. Main Boom								
Load Radius In Feet	Loaded Boom Angle (Deg.)	35.5 Ft.			50 Ft.			60 Ft.		
		Loaded 360°	Over Rear		Loaded 360°	Over Rear		Loaded 360°	Over Rear	
10	65.5	123,000	123,000		73.5	75,300	75,300			10
12	62.0	110,000	110,000		71.0	75,300	75,300	74.5	45,300	45,300
15	56.0	92,200	92,200		67.5	75,300	75,300	71.5	38,900	38,900
20	45.0	64,200	64,200		60.5	65,600	65,600	66.0	31,700	31,700
25	30.0	41,500	41,500		53.5	42,900	42,900	60.5	26,300	26,300
30					45.5	30,900	30,900	55.0	22,500	22,500
35		See Operation Note 20.			36.0	23,500	23,500	48.5	19,500	19,500
40					23.5	18,500	18,500	41.5	17,200	17,200
45								33.0	15,000	15,300
50								21.0	12,100	12,500
Min. Boom Angle/Cap.	0°	29,300	29,300	0°	15,100	15,100	0°	10,600	10,700	Min. Boom Angle/Cap.
70 Ft. To 80 Ft. Main Boom										
Load Radius In Feet	Loaded Boom Angle (Deg.)	70 Ft.			80 Ft.					
		Loaded 360°	Over Rear		Loaded 360°	Over Rear				
12	77.0	28,000	28,000							12
15	74.5	28,000	28,000		76.5	28,100	28,100			15
20	70.0	26,900	26,900		73.0	25,000	25,000			20
25	65.5	22,200	22,200		69.0	20,500	20,500			25
30	60.5	18,700	18,700		65.0	17,200	17,200			30
35	56.0	16,500	16,500		61.0	15,100	15,100			35
40	50.5	14,300	14,300		56.5	13,100	13,100			40
45	44.5	12,600	12,600		52.0	11,500	11,500			45
50	38.0	11,100	11,100		47.0	10,100	10,100			50
55	30.5	9,900	9,900		42.0	9,000	9,000			55
60	19.5	8,900	8,900		35.5	8,000	8,000			60
65					28.5	7,200	7,200			65
70					18.5	6,500	6,500			70
Min. Boom Angle/Cap.	0°	8,000	8,300	0°	6,100	6,100	0°			Min. Boom Angle/Cap.

Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

BOOM MODE "B"
0# CTWT
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.



90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.			100 Ft.			110 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
20	75.0	25,400	25,400	77.0	27,600	27,600				20
25	72.0	20,900	20,900	74.0	22,900	22,900	76.0	19,600	19,600	25
30	68.5	17,700	17,700	71.0	19,500	19,500	73.5	19,600	19,600	30
35	65.0	15,500	15,500	68.0	16,800	16,800	70.5	19,600	19,600	35
40	61.0	13,500	13,500	65.0	15,000	15,000	68.0	17,300	17,300	40
45	57.5	11,800	11,800	61.5	13,200	13,200	65.0	15,400	15,400	45
50	53.5	10,500	10,500	58.0	11,800	11,800	62.0	12,500	12,800	50
55	49.0	9,300	9,300	54.5	10,600	10,600	58.5	10,200	10,700	55
60	44.5	8,300	8,300	50.5	8,900	9,400	55.5	8,400	9,000	60
65	39.5	7,500	7,500	46.5	7,500	8,000	52.0	7,000	7,500	65
70	34.0	6,800	6,800	42.5	6,200	6,800	48.5	5,800	6,300	70
75	27.0	5,800	6,200	37.5	5,200	5,800	44.5	4,700	5,300	75
80	17.5	4,900	5,400	32.0	4,300	4,900	40.5	3,900	4,400	80
85				25.5	3,600	4,100	36.0	3,100	3,700	85
90				16.5	2,900	3,500	31.0	2,500	3,000	90
Min. Boom Angle/ Cap.	0°	4,400	4,900	0°	2,600	3,100	24°			Min. Boom Angle/ Cap.

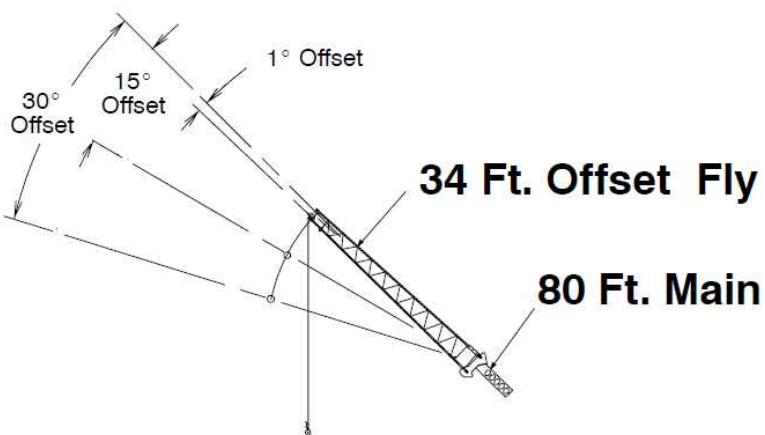
Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

SN# D6I6-3704

HTC-8665 4-Section Power Boom

D6P0031

Courtesy of Crane.Market



80 Ft. Main Boom

34 Ft. Offset Fly

BOOM MODE "B" 0# CTWT		Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.						
Load Radius In Feet	Loaded Boom Angle (Deg.)	1° Offset		15° Offset		30° Offset		Load Radius In Feet
		360°	360°	360°	360°	360°	360°	
25	76.0	17,500						25
30	73.5	15,800	78.0*	14,000				30
35	71.0	13,500	75.0	12,900				35
40	68.0	11,800	72.5	12,000	76.5	9,400		40
45	65.5	10,300	69.5	10,500	73.5	8,900		45
50	62.5	9,100	67.0	9,300	70.5	8,500		50
55	59.5	8,100	64.0	8,200	67.5	8,200		55
60	56.5	7,200	60.5	7,300	64.5	7,500		60
65	53.5	6,500	57.5	6,600	61.0	6,700		65
70	50.0	5,800	54.0	5,900	57.5	6,000		70
75	46.5	5,300	50.5	5,300	54.0	5,400		75
80	43.0	4,800	47.0	4,800	50.0	4,900		80
85	38.5	4,400	42.5	4,400	46.0	4,400		85
90	34.5	4,000	38.0	4,000	41.0	4,000		90
95	29.0	3,600	33.0	3,600	35.5	3,600		95
100	23.0	3,400	26.5	3,300	28.0	3,300		100
105	14.0	3,100	17.0	3,100				105
Min. Boom Angle/Cap.	0°	3,000	0°	3,000	0°	3,100	Min. Boom Angle/Cap.	

Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

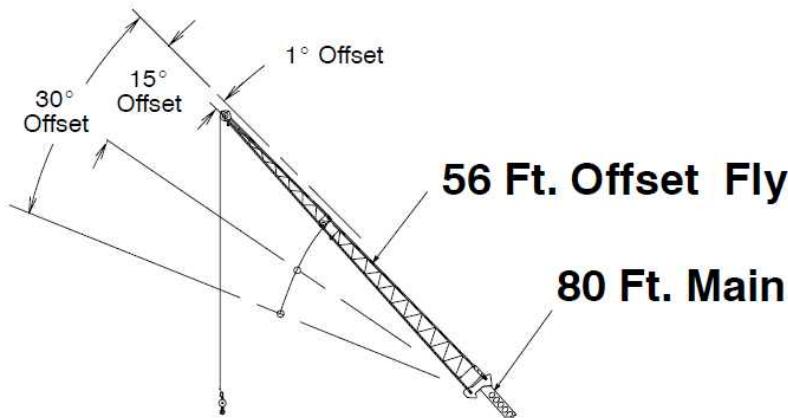
* This capacity based on maximum obtainable boom angle.

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HTC-8665 4-Section Power Boom

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56 Ft. Offset Fly

80 Ft. Main Boom

BOOM MODE "B"		Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.						
80 Ft. Main Boom + 56 Ft. Offset Fly								
Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset		15° Offset		30° Offset		Load Radius In Feet
		Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700						30
35	75.5	10,700						35
40	73.0	9,900		78.0*	7,300			40
45	71.0	9,100		76.5	6,800			45
50	68.5	8,000		74.0	6,400			50
55	66.0	7,000		72.0	6,000	77.0	4,900	55
60	64.0	6,200		69.5	5,700	75.0	4,700	60
65	61.5	5,600		67.0	5,400	72.5	4,500	65
70	59.0	5,000		64.5	5,100	70.0	4,300	70
75	56.0	4,400		62.0	4,500	67.0	4,100	75
80	53.5	4,000		59.0	4,100	64.5	4,000	80
85	50.5	3,600		56.5	3,600	61.5	3,700	85
90	48.0	3,200		53.5	3,200	58.5	3,300	90
95	44.5	2,900		50.5	2,900	55.0	2,900	95
100	41.5	2,600		47.0	2,600	51.5	2,500	100
105	38.0	2,300		43.5	2,300	47.5	2,200	105
110	34.0	2,100		39.5	2,000	43.5	1,900	110
115	30.0	1,900		35.0	1,800	38.5	1,600	115
120	25.0	1,800		30.0	1,600	32.0	1,400	120
125	18.5	1,700		23.0	1,500	21.5	1,400	125
Min. Boom Angle/Cap.	0°	1,700	0°	1,500	0°	1,400	Min. Boom Angle/Cap.	

Note: Refer To Page 8 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

* This capacity based on maximum obtainable boom angle.

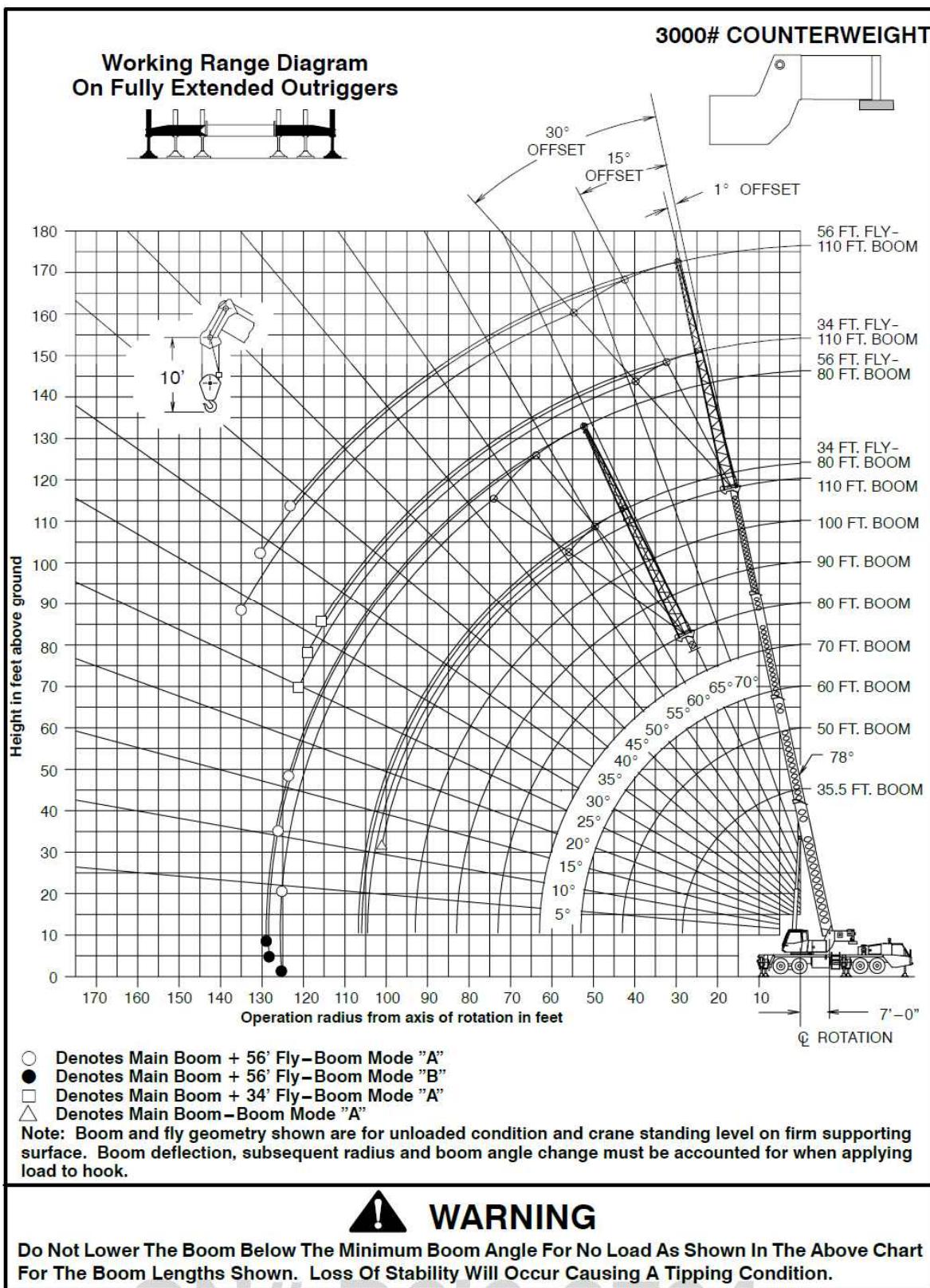
SN# D616-3704

HTC-8665 4-Section Power Boom

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Courtesy of Crane Market

WORKING RANGE DIAGRAM





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