



LINKBELT TCC1100 LOAD CHART

SERIAL NUMBER: XXXX-XXXX

CRANE RATING MANUAL

TCC-1100

TELESCOPIC BOOM CRAWLER CRANE

- 45.72m FULL POWER 5-SECTION BOOM
- 4.63m GAUGE W/0.91m TRACK SHOES,
WITH FULLY EXTENDED SIDE FRAMES, AND
7.12m OVERALL LENGTH LOWER

For Replacement, Order Part Number: S1P0070
(121012)

Link-Belt[®]
CONSTRUCTION EQUIPMENT

Not for crane operations

Table Of Contents

Tab 1 Specifications

Operating Instructions	5
General Dimensions	7
Working Areas	8
Allowable Crane Configurations	9
Maximum Boom Angle	9
Allowable Counterweight Combinations	10
Boom Extend Modes	11
Winch Performance	12
Wire Rope Capacity	12
Wind Restrictions Guide	13
Capacity Deductions For Auxiliary Load Handling Equipment	13
Crane Assembly Component Weights	14

Tab 2 Self Assembly Capacities

Self Assembly Capacity Notes	15
Self Assembly Capacities On Jacks With 0+0 CTWT	16
Self Assembly Capacities On Jacks With 0+A CTWT	17

Tab 3 “Standard” Mode Main Boom Capacities

Working Range Diagram	19
Side Frames Fully Extended (12.19m – 45.72m Boom)	
Over Front Blocked – ABC+A CTWT	20
360 Degree – ABC+A CTWT	22
360 Degree – ABC+0 CTWT	24
360 Degree – AB+A CTWT	26
360 Degree – AB+0 CTWT	28
360 Degree – A+A CTWT	30
360 Degree – 0+0 CTWT Or 0+A CTWT	32
Side Frames Intermediate Extended (12.19m – 45.72m Boom)	
360 Degree – ABC+A CTWT	34
360 Degree – ABC+0 CTWT	36
360 Degree – AB+A CTWT	38
360 Degree – AB+0 CTWT	40
360 Degree – A+A CTWT	42
360 Degree – 0+0 CTWT Or 0+A CTWT	44
Side Frames Fully Retracted (12.19m – 45.72m Boom)	
360 Degree – AB+A CTWT	46
360 Degree – AB+0 CTWT	48
360 Degree – A+A CTWT	50
360 Degree – 0+0 CTWT Or 0+A CTWT	52

Tab 4 “Amax1” Mode Main Boom Capacities

Working Range Diagram	55
Side Frames Fully Extended (12.19m – 28.96m Boom)	
Over Front Blocked – ABC+A CTWT	56
360 Degree – ABC+A CTWT	57
360 Degree – ABC+0 CTWT	58
360 Degree – AB+A CTWT	59
360 Degree – AB+0 CTWT	60
360 Degree – A+A CTWT	61
360 Degree – 0+0 CTWT Or 0+A CTWT	62
Side Frames Intermediate Extended (12.19m – 28.96m Boom)	
360 Degree – ABC+A CTWT	63

Not for crane operations

Tab 5 “Amax2” Mode Main Boom Capacities

Working Range Diagram 65

Side Frames Fully Extended (12.19m – 37.34m Boom)

- Over Front Blocked – ABC+A CTWT 66
- 360 Degree – ABC+A CTWT 68
- 360 Degree – ABC+0 CTWT 70
- 360 Degree – AB+A CTWT 72
- 360 Degree – AB+0 CTWT 74
- 360 Degree – A+A CTWT 76
- 360 Degree – 0+0 CTWT Or 0+A CTWT 78

Side Frames Intermediate Extended (12.19m – 37.34m Boom)

- 360 Degree – ABC+A CTWT 80

Tab 6 Offset Fly Capacities

Working Range Diagram (12.19m – 45.72m Main Boom + 3.1m Fly) 83

Working Range Diagram (36.6m Main Boom + 9.4m – 16.8m Fly) 84

Working Range Diagram (45.72m Main Boom + 9.4m – 16.8m Fly) 85

3.1m Offset Fly Capacities (12.19m – 45.72m Main Boom)

- Standard Mode – ABC+A CTWT – Side Frames Fully Extended 86

9.4m Offset Fly Capacities

- 36.6m Main Boom – Standard Mode – ABC+A CTWT – Side Frames Fully Extended 91
- 45.72m Main Boom – Standard Mode – ABC+A CTWT – Side Frames Fully Extended 92

16.8m Offset Fly Capacities

- 36.6m Main Boom – Standard Mode – ABC+A CTWT – Side Frames Fully Extended 93
- 45.72m Main Boom – Standard Mode – ABC+A CTWT – Side Frames Fully Extended 94

Tab 7 List Capacities

List Capacity Notes 95

- “Standard” Mode – 1, 2, & 3 Degree List 96
- “Amax1” Mode – 1, 2, & 3 Degree List 102
- “Amax2” Mode – 1, 2, & 3 Degree List 105

Tab 8 Duty Cycle Capacities

Duty Cycle Notes 111

Side Frames Fully Extended (12.19m – 33.5m Boom)

- 360 Degree – ABC+A CTWT 112

Not for crane operations

**This Page Left Blank
Intentionally**

Not for crane operations



WARNING

READ AND UNDERSTAND THE CRANE OPERATOR'S AND SAFETY MANUALS AND THE FOLLOWING INSTRUCTIONS AND RATED LIFTING CAPACITIES BEFORE OPERATING THE CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT.

Operating Instructions

General:

1. Rated lifting capacities in kilograms as shown on the lift charts pertain to this crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company (LBCE). Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Crane Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through a Link-Belt Distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) and American Society of Mechanical Engineers (ASME) safety standards for cranes.
4. All lift crane capacities listed in this Crane Rating Manual are in compliance with ANSI/ASME B30.5, SAE J1063, and SAE J765 in effect at the time of manufacture.

Lift Crane Operation:

1. Capacities shown are in kilograms and are not more than 75% of the tipping loads with the crane standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook ball, sling, grapple, load weighing device, etc. Lifted load includes the weight of hook block, hook ball, sling, grapple, load weighing device, etc. Their weights are considered part of the lifted load. Rated lifting capacities include the deduct for the fly stowed on the base of the boom. For deducts with the fly erected, but not used, see "Capacity Deductions For Auxiliary Load Handling Equipment".
2. All capacities for lifting on side frames requires the side frames to be pinned at equal extension; fully extended, intermediate extended, or fully retracted.
3. Rated lifting capacities at rated radii shall not be exceeded. Do not tip the crane to determine allowable loads. Rated lifting capacities shall be reduced for repetitive lift applications. For all duty cycle applications (magnet, clamshell, concrete bucket, etc.) refer to Duty Cycle Capacities in this

Crane Rating Manual. Lifts with fly erected are prohibited for all duty cycle operation.

4. Do not operate at radii and boom lengths where this Crane Rating Manual lists no capacity. Do not use longer booms or flies than those listed in this Crane Rating Manual. Any of the above can cause a tipping condition, or boom and/or fly failure.
5. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Wire Rope Capacity Chart, Crane Operator's Manual, and Crane Parts Manual. Rated lifting capacities are based on correct reeving. A deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Capacity Chart) is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra length of wire rope. See Wire Rope Capacity Chart for the weight to deduct for the extra length of wire rope before attempting to lift a load.
6. Rated lifting capacities do not account for the effects of wind on a suspended load or the boom. Lifting capacities should be considered acceptable for wind speeds up to 32.2km/h and appropriately reduced for wind speeds greater than 32.2km/h. (See Wind Restrictions Guide.)
7. Rated lifting capacities in this Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of ground conditions and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account. No attempt shall be made to move a load horizontally on the ground in any direction.
8. The crane capacities in the shaded areas are governed by factors other than those that would cause a tipping condition.
9. The maximum loads that can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt to extend and/or retract the boom within the limits of the applicable load rating chart.
10. For main boom capacities when either boom length or radius or both are between values listed, proceed as follows:
 - a. For boom lengths not listed, use rating for next longer boom length or next shorter boom length, whichever is smaller.
 - b. For load radii not listed, use rating for next larger radius.

Not for crane operations

11. The user shall operate at reduced ratings to allow for adverse job conditions, such as: soft or uneven ground, out of level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, traveling with loads, electrical wires, etc. Side load on boom or fly is dangerous and shall be avoided.
12. For cold weather operation rated capacities should be reduced by the following rule: a 1% reduction in rated capacity should be taken for each 1°F below 0°F. Example: if the temperature is -10°F a 10% reduction in rated capacities should be taken, at -40°F a 40% reduction.
13. For auxiliary lifting sheave capacities, use main boom charts minus auxiliary lifting sheave deduct. (See "Capacity Deductions For Auxiliary Load Handling Equipment".) The effective length of the boom increases by 0.6m when lifting from the auxiliary lifting sheave.
14. Power sections of boom must be extended in accordance with "Standard", "Amax1", or "Amax2" modes. In "Standard" boom mode all power sections must be extended or retracted equally.
15. The 12.19m boom length structural capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 15.2m boom length.
16. The least stable rated working area is over the side.
17. The loaded boom angle combined with the boom length give only an approximation of the operating radius. The boom angle, before loading, should be greater to account for deflection. (For main boom capacities, the loaded boom angle is for reference only.)
18. For fly capacities with main boom length less than 36.6m the rated loads are determined by the boom angle only using the 36.6m boom and fly chart. For angles not shown, use the next lower boom angle to determine the rated capacity.
19. For fly capacities with main boom length between 36.6m and 45.72m, the rated loads are determined by the boom angle using the 45.72m

boom and fly chart. For angles not shown use the next lower boom angle to determine the rated capacity.

For "Over Front Blocked" Capacities Only:

1. These capacities can be lifted over the front (see Working Areas) with the crane standing level on a firm supporting surface with adequate blocking placed under the side frame idlers, to prevent rocking.
2. Do not travel with "Over Front Blocked" capacity loads.

Definitions:

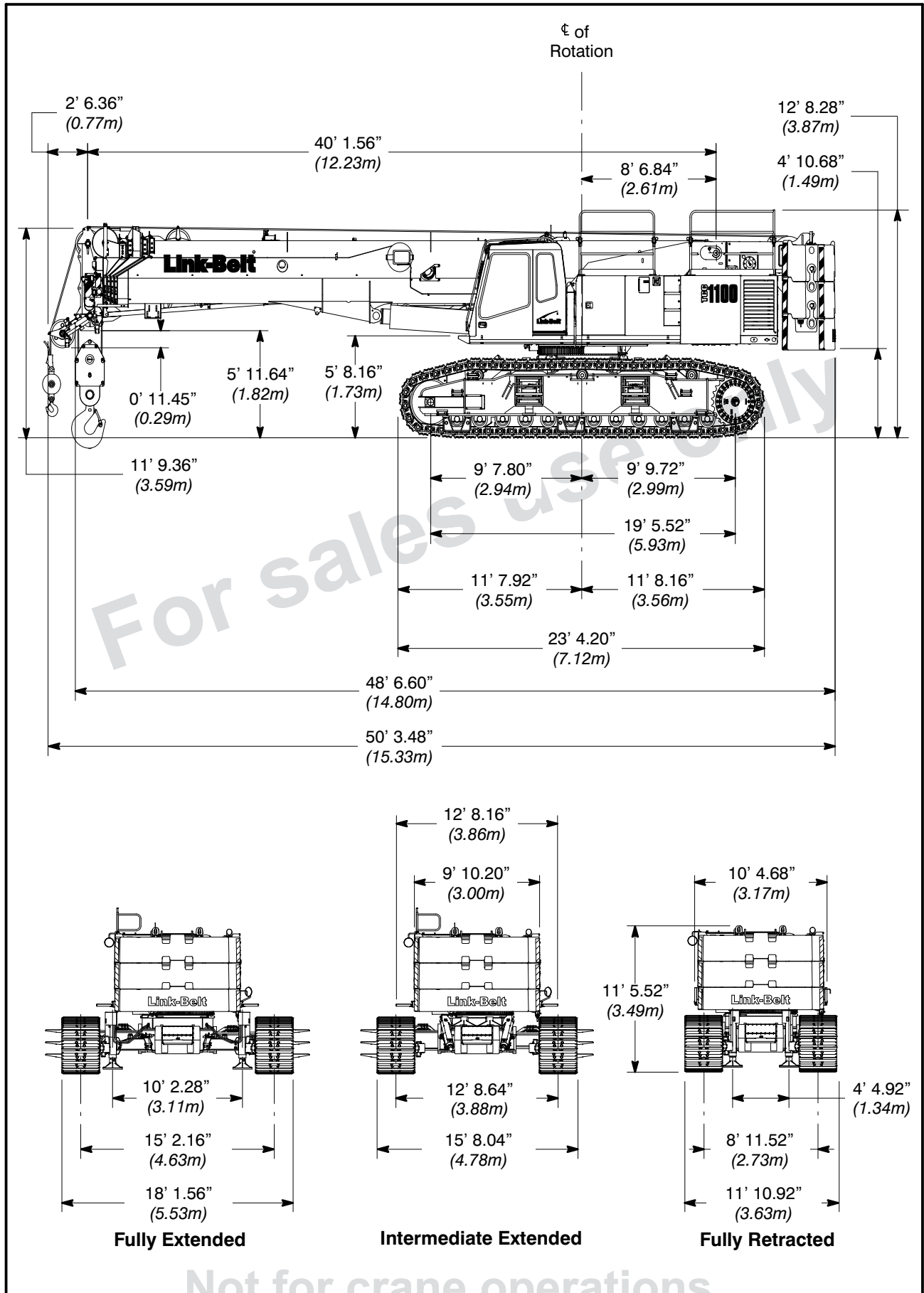
1. Loaded Boom Angle: \angle The angle between the boom base section and horizontal with freely suspended load at the rated radius.
2. Load Radius: Horizontal distance from a projection of the centerline of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
3. Working Area: Area measured in a circular arc about the centerline of rotation as shown on the Working Areas Diagram.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.
6. No Load Stability Limit: The radius or boom angle beyond which it is not permitted to position the boom because the crane can overturn without any load on the hook.
7. "Over Front": Boom over the idler end of the lower.

Traveling With A Load

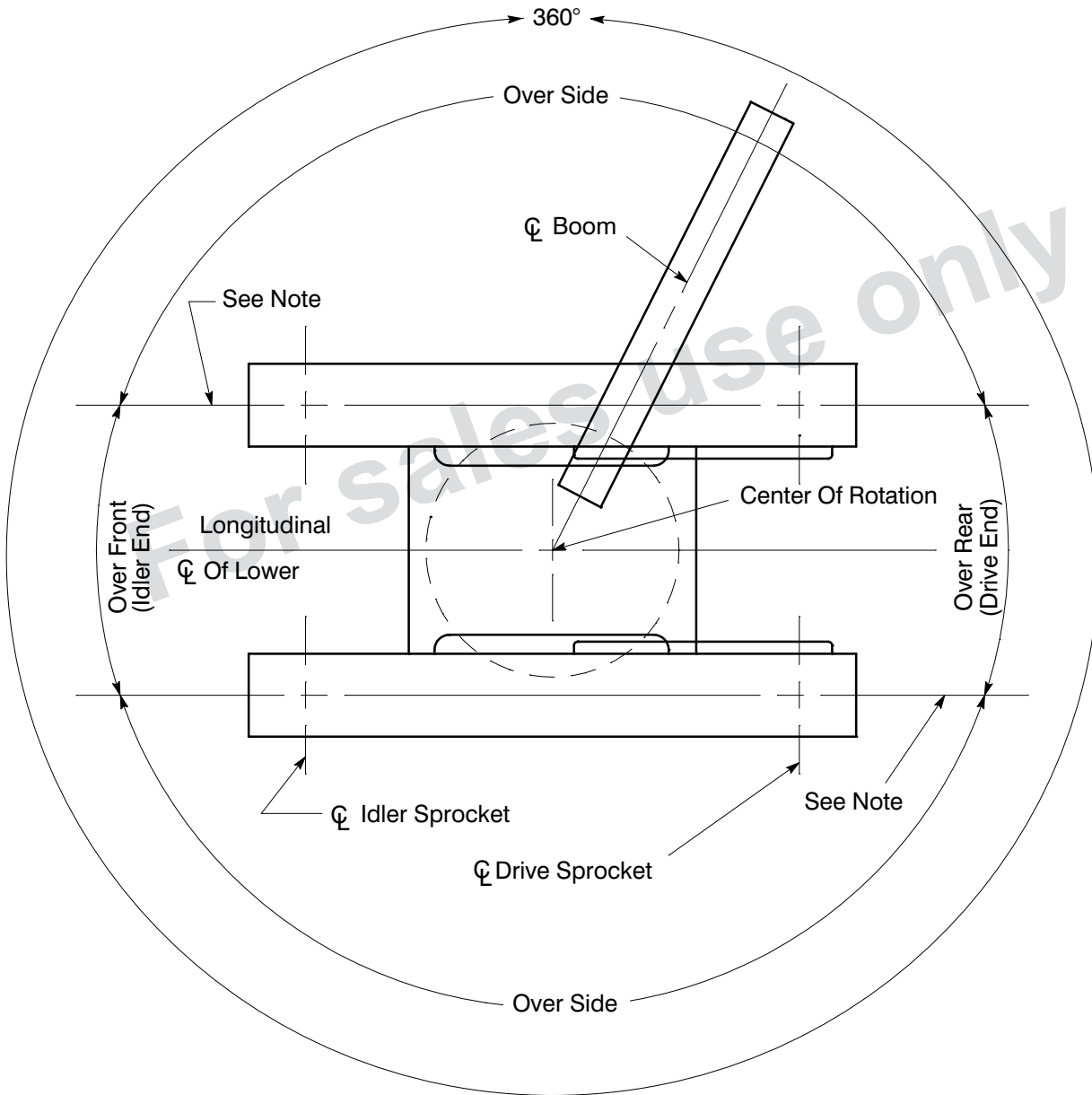
1. All main boom 360° capacities (except list and duty cycle capacities) listed in this Crane Rating Manual are pick and carry capacities.
2. Refer to "Traveling With A Load (Pick & Carry)" in the Operator's Manual.

Not for crane operations

General Dimensions



Working Areas


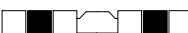
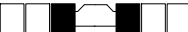


Note:

1. These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

Not for crane operations

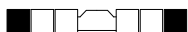
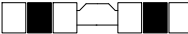
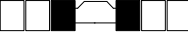
Allowable Crane Configuration

Side Frame Position	Counter-weight	Boom Length (m)			Boom Length With Fly (m)		
		"Amax1" Mode (1)	"Amax2" Mode (1)	Standard Mode (1)	"Standard" Mode		
					3.1m Fly	9.4m Fly	16.8m Fly
 Fully Extended	ABC+A	12.19 - 28.96	12.19 - 37.34	12.19 - 45.72	12.19 - 45.72	12.19 - 45.72	12.19 - 45.72
	ABC+0						
	AB+A						
	AB+0						
	A+A						
	0+0 or 0+A						
 Intermediate Extended	ABC+A	12.19 - 28.96	12.19 - 37.34	12.19 - 45.72	Prohibited		
	ABC+0	Prohibited					
	AB+A						
	AB+0						
	A+A						
	0+0 or 0+A						
 Fully Retracted	AB+A	Prohibited		12.19 - 45.72	Prohibited		
	AB+0						
	A+A						
	0+0 or 0+A						

Notes:

1. Refer to load rating charts for maximum and minimum allowable boom angles for each boom length, side frame, and counterweight configurations.

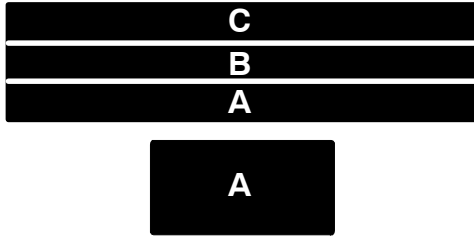
Maximum Boom Angle

Side Frame Position	Counter-weight	Maximum Boom Angle (Deg)			Maximum Boom Angle With Fly (Deg)		
		"Amax1" Mode	"Amax2" Mode	Standard Mode	"Standard" Mode		
					3.1m Fly	9.4m Fly	16.8m Fly
 Fully Extended	ABC+A	80.0	80.0	80.0	80.0	80.0	80.0
	ABC+0	76.0	76.0	76.0	Prohibited		
	AB+A	80.0	80.0	80.0			
	AB+0	80.0	80.0	80.0			
	A+A	80.0	80.0	80.0			
	0+0 or 0+A	80.0	80.0	80.0			
 Intermediate Extended	ABC+A	75.0	75.0	75.0			
	ABC+0	Prohibited		61.0			
	AB+A			80.0			
	AB+0			80.0			
	A+A			80.0			
	0+0 or 0+A			80.0			
 Fully Retracted	AB+A	Prohibited		62.0	Prohibited		
	AB+0			51.0			
	A+A			80.0			
	0+0 or 0+A			80.0			

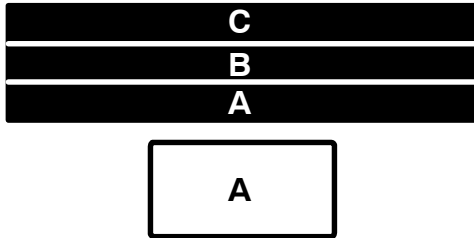
Notes:

1. 80° is the maximum boom angle allowed by the boom hoist cylinder stroke. Any maximum boom angle less than 80° is limited by backward stability.
2. See individual boom length in capacity chart for minimum boom angle due to forward stability.

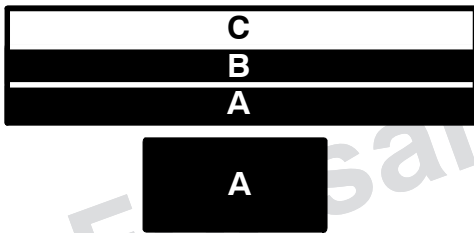
Allowable Counterweight Combinations



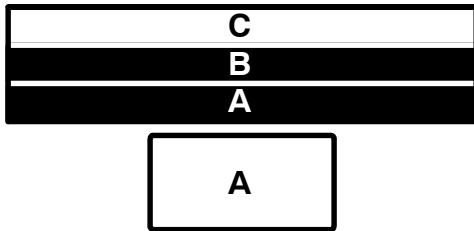
ABC + A
23 133kg + 11 340kg



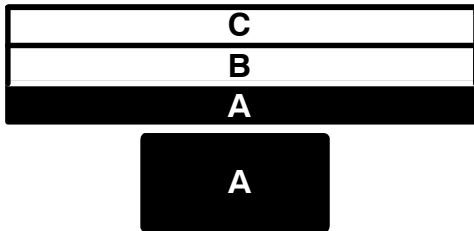
ABC + 0
23 133kg + 0kg



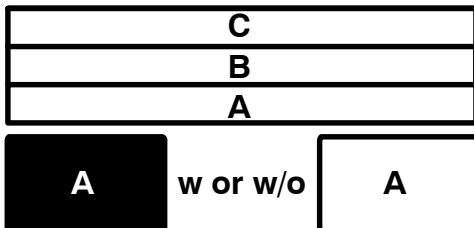
AB + A
15 876kg + 11 340kg



AB + 0
15 876kg + 0kg



A + A
8 618kg + 11 340kg



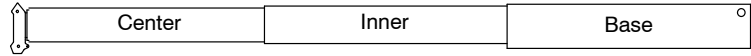
0 + 0 **0 + A**
0kg + 0kg or **0kg + 11 340kg**

Not for crane operations

Boom Extend Modes

Boom Mode “Amax1”

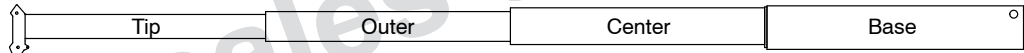
Inner and center sections telescope simultaneously.



Telescope Length (m)		Boom Length (m)
0	0	12.19
1.5	1.5	15.2
3.0	3.0	18.3
4.6	4.6	21.3
6.1	6.1	24.4
7.6	7.6	27.4
8.4	8.4	28.96

Boom Mode “Amax2”

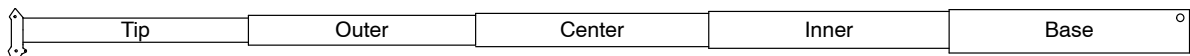
Center, outer, and tip sections telescope simultaneously.



Telescope Length (m)			Boom Length (m)
0	0	0	12.19
1.0	1.0	1.0	15.2
2.0	2.0	2.0	18.3
3.0	3.0	3.0	21.3
4.1	4.1	4.1	24.4
5.1	5.1	5.1	27.4
6.1	6.1	6.1	30.5
7.1	7.1	7.1	33.5
8.4	8.4	8.4	37.34

Boom Mode “Standard”

Inner, center, outer, and tip sections telescope simultaneously.



Telescope Length (m)				Boom Length (m)
0	0	0	0	12.19
0.8	0.8	0.8	0.8	15.2
1.5	1.5	1.5	1.5	18.3
2.3	2.3	2.3	2.3	21.3
3.0	3.0	3.0	3.0	24.4
3.8	3.8	3.8	3.8	27.4
4.6	4.6	4.6	4.6	30.5
5.3	5.3	5.3	5.3	33.5
6.1	6.1	6.1	6.1	36.6
6.9	6.9	6.9	6.9	39.6
7.6	7.6	7.6	7.6	42.7
8.4	8.4	8.4	8.4	45.72

Not for crane operations

Winch Performance

Wire Rope Layer	Winch Line Pulls		Drum Rope Capacity (m)	
	Two Speed Winch			
	Low Speed	High Speed	Layer	Total
	Available (kg*)	Available (kg)		
1	9 574	4 270	38.1	38.1
2	8 639	3 853	42.1	80.2
3	7 870	3 510	46.3	126.5
4	7 227	3 223	50.3	176.8
5	6 681	2 979	54.6	231.3
6	6 212	2 770	58.5	289.9

*Maximum lifting capacity: Type RB Rope= 7 947kg Type ZB Rope= 9 489kg Type GC Rope= 13 698

Wire Rope Capacity

Parts of Line	22mm		
	Type RB	Type ZB	Type GC
1	7 947	9 489	13 698
2	15 894	18 978	27 397
3	23 841	28 467	41 095
4	31 788	37 957	54 794
5	39 735	47 446	68 492
6	47 682	56 935	82 191
7	55 629	66 424	95 889
8	63 576	75 913	109 588
9	71 522	85 402	123 286
10	79 469	94 892	136 985
11	87 416	104 381	150 683
12	95 363	113 870	164 382
Rope Wt./Length [kg/m]	2.23	2.27	2.23
LBCE Type	Description		
RB	19 X 19 Rotation Resistant– Extra Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay. Swaged		
ZB	34 X 7 Non-Rotating – Extra Improved Plow Steel – Right Regular or Right Lang Lay		
GC	4 Strand, Compacted Strand, Swaged, Preformed, Regular Lay		

Notes:

- Capacities shown are in kilograms and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual or the Wire Rope Capacity whichever is less.
- Study Crane Operator's Manual for wire rope inspection procedures and single part of line applications.
- Always refer to the Parts Manual when ordering wire rope.

Not for crane operations

Wind Restrictions Guide



DANGER

Do not exceed operating limitations specified. Failure to follow these wind speed restrictions may result in structural failure of the boom. Death, bodily injury, and/or property damage could result. Operate the crane safely within the limits specified below.

Lifting Capacity Reductions (%) For Lift Crane Operations In Wind Conditions Over 32.2km/h

Boom Or Boom Plus Fly Length (m)	Wind Speeds Kilometers Per Hour (km/h)			
	0–32.2km/h	32.3 - 48.1km/h	48.2 - 64.2km/h	64.3km/h or Greater
12.19 - 62.52	Normal	40%	70%	No Operation

Notes:

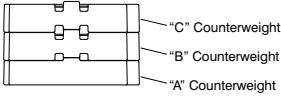
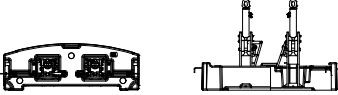


- Judgment and experience must be used to compensate for the effects of wind acting on the lifted load as the actual load wind sail area is unknown. It is the responsibility of the user to take this into account.
- Wind speed must include wind gusts.
- Wind speeds must be monitored at the boom's highest point (boom head or if fly is installed, fly head).
- During high winds (above 32.2km/h), the operator shall add 10° to all minimum boom angles due to no load stability and shall not boom down below that angle.
- Refer to all notes and instructions in this Crane Rating Manual.
- No Operation: Fully retract and lower the boom. Stop all crane functions.

Capacity Deductions For Auxiliary Load Handling Equipment

Lifting From Main Boom With:	Deduct (kg)
Auxiliary Lifting Sheave Installed (Not Reeved)	45
10.8t Hook Ball On Auxiliary Lifting Sheave (See Hook Ball for Actual Weight)	327
31.7t Hook Block On Auxiliary Lifting Sheave (See Hook Block for Actual Weight)	498
3.1m, 9.4m, or 16.8m Fly Stowed On Boom Base (See Lift Crane Operation, Note 1)	0
3.1m Offset Fly Erected But Not Used (Includes 31.7t Hook Block)	1497
9.4m Offset Fly Erected But Not Used (Includes 10.8t Hook Ball)	2722
16.8m Offset Fly Erected But Not Used (Includes 10.8t Hook Ball)	4309
Lifting From Auxiliary Lifting Sheave With:	Deduct (kg)
127t Hook Block On Main Boom (Not Used) (See Hook Block for Actual Weight.)	1086
90.7t Hook Block On Main Boom (Not Used) (See Hook Block for Actual Weight.)	794
72.5t Hook Block On Main Boom (Not Used) (See Hook Block for Actual Weight.)	640
45.3t Hook Block On Main Boom (Not Used) (See Hook Block for Actual Weight.)	542
31.7t Hook Block On Main Boom (Not Used) (See Hook Block for Actual Weight.)	498
10.8t Hook Ball On Main Boom (Not Used) (See Hook Ball for Actual Weight.)	327

Not for crane operations

Crane Assembly Component Weights

Component		Weight	
		lb	kg
1. Upper Counterweights			
– “A” Counterweight		19,000	8 618
– “B” & “C” Counterweights (each)		16,000	7 258
2. “A” Lower Counterweights (each)		12,500	5 670
3. Side Frames (Each) – With 36” (0.91m) Track Shoes		28,750	13 041

For sales use only

Not for crane operations

Self Assembly Capacity Notes

1. Refer to all applicable procedures in the Crane Operator's Manual.
2. For self assembly of side frames and counterweights only. See Crane Assembly Component Weights chart for weight of components for assembly.
3. No lifting is allowed while on jacks once both side frames are installed. Lower the crane onto the side frames and refer to the capacity charts in this Crane Rating Manual for the crane configuration in use.
4. All capacities are listed in kilograms and are not more than 85% of the tipping loads.
5. Rated capacities are for 360° rotation, except with 0 + 0 Counterweight and one side frame installed. Due to forward and backward stability limits while on jacks, without the lower counterweights installed, the working area and maximum boom angle with one side frame installed and no load on the hook are extremely limited. Refer to the Self Assembly Procedures in the Crane Operator's Manual.
6. After installation or removal of the first side frame, no lower counterweights installed, and with no load on the hook, the boom must be lowered to 62° or lower boom angle before swinging into the working area, or loss of stability will occur causing a backward tipping condition.
7. Crane must not exceed 1° tilt angle at any time while on jacks.



WARNING

Without Lower Counterweights Installed, Do Not Raise The Boom Above 62° Boom Angle With Only One Side Frame Installed And No Load On Hook. Loss Of Backward Stability Will Occur Causing A Tipping Condition.

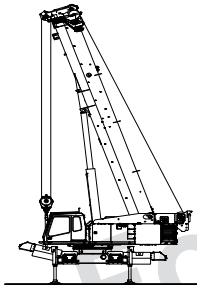
Do Not Raise The Boom Above 72.5° Boom Angle For Self Assembly On Jacks. Loss Of Backward Stability Will Occur Causing A Tipping Condition.

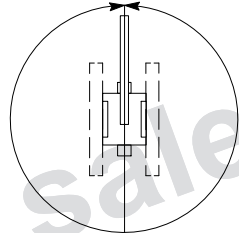
Not for crane operations

Self Assembly Capacities On Jacks With 0.91m Shoes And 0+0 Counterweight

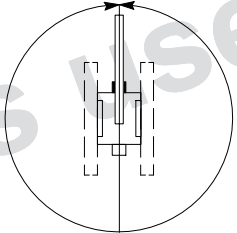
Standard Mode Boom Length (m)	Rated Radius (m)	Boom Angle (deg)	Rated Capacity (kg)
12.19	2.1	72.5	18 150
	2.5	70.5	18 150
	3	68.0	18 150
	3.5	65.0	18 150
	4	62.5	18 150
	4.5	59.5	17 300
	5	56.5	14 000
	5.5	53.5	11 550
	6	50.5	9 600
	6.5	47.0	8 100
	7	43.5	6 850
	7.5	39.5	5 800
9.6	0.0	1 550	

For Lower Counterweight Installation:

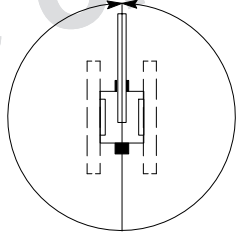




360°
Operation

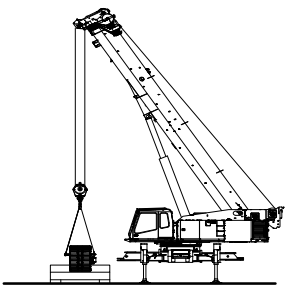


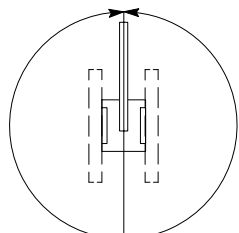
360°
Operation



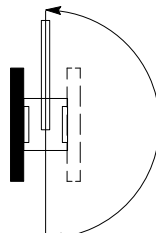
360°
Operation*

For Side Frame Installation:

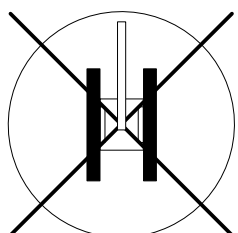




360°
Operation



180°
Operation**



No Operation***

* Once the lower counterweights are installed, refer to the Self Assembly Capacities On Jacks With 0+A Counterweight Chart.

** Refer to Self Assembly Capacity Notes 5 and 6.

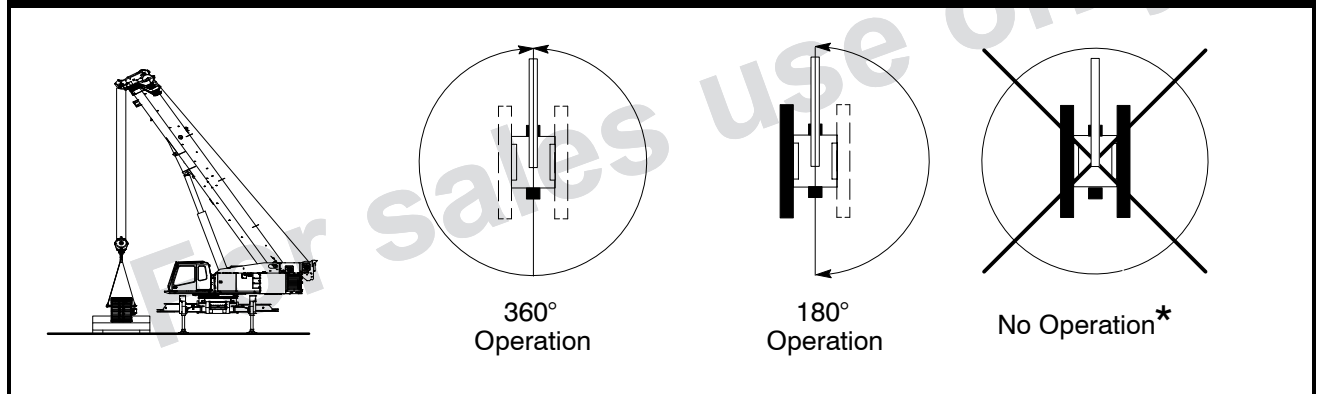
*** Refer to Self Assembly Capacity Note 3.

Not for crane operations

Self Assembly Capacities On Jacks With 0.91m Shoes And 0+A Counterweight

Standard Mode Boom Length (m)	Rated Radius (m)	Boom Angle (deg)	Rated Capacity (kg)
12.19	2.1	72.5	18 150
	2.5	70.5	18 150
	3	68.0	18 150
	3.5	65.0	18 150
	4	62.5	18 150
	4.5	59.5	18 150
	5	56.5	17 850
	5.5	53.5	14 850
	6	50.5	12 600
	6.5	47.0	10 750
	7	43.5	9 250
	7.5	39.5	8 000
9.6	0.0	1 550	

For Side Frame Installation:



* Refer to Self Assembly Capacity Note 3.

Not for crane operations

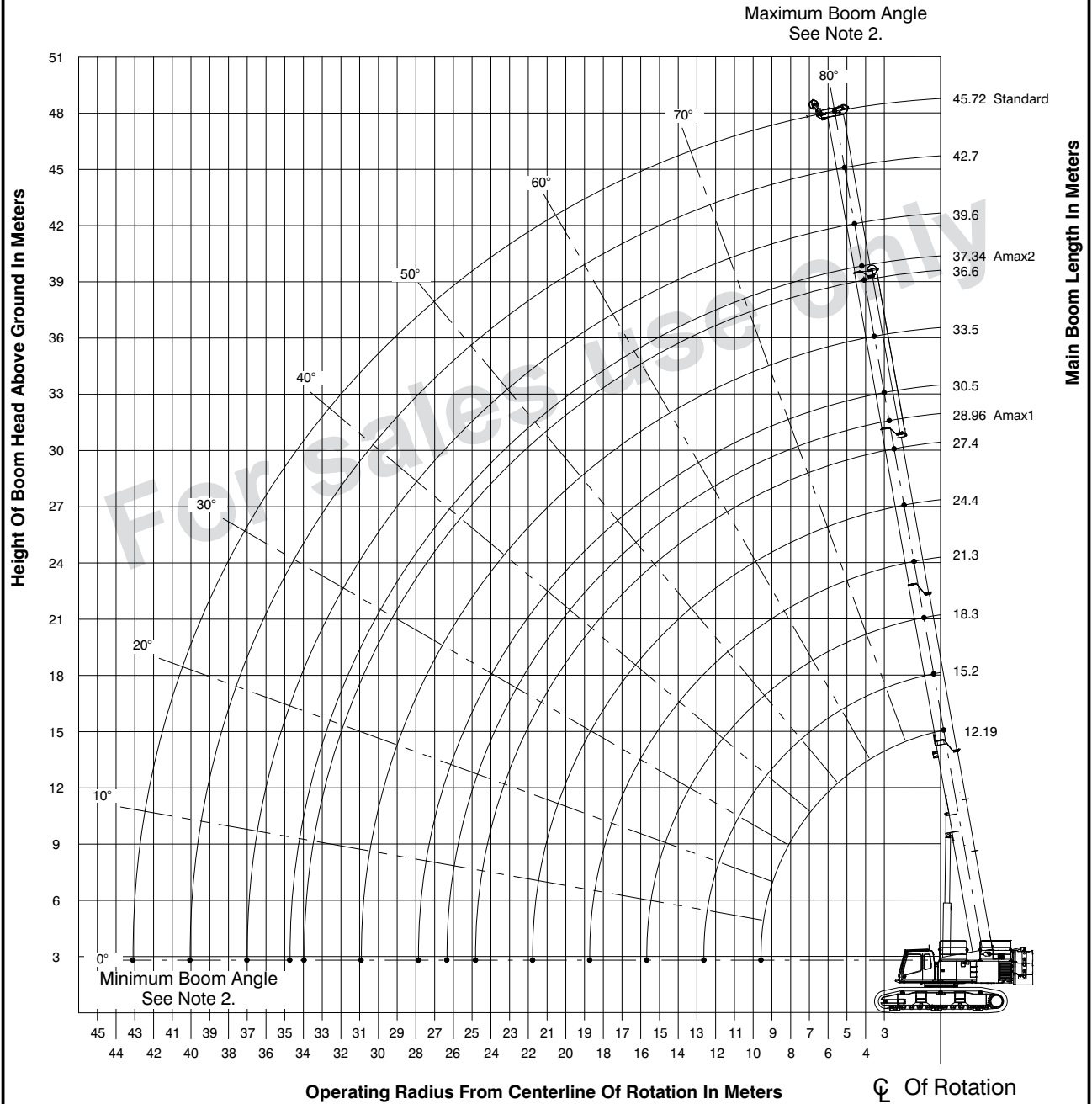
**This Page Left Blank
Intentionally**

For sales use only

Not for crane operations

Working Range Diagram

Main Boom – Standard, “Amax1”, And “Amax2” Modes

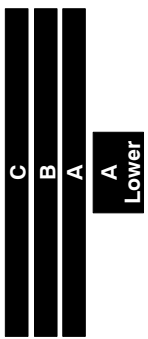


Notes:

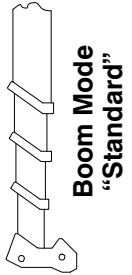
1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for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

Not for crane operations

Load Radius (m)	Main Boom Capacities – 12.19m–45.72m Boom															
	12.19m			15.2m			18.3m			21.3m			24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550	78.0	23 550	77.5	23 550				
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550	77.0	23 550	75.5	23 550				
4	63.0	80 300	68.5	23 800	72.5	23 550	75.5	23 550	75.5	23 550	73.0	23 550	23 550			
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	74.0	23 550	71.0	23 550	23 550	24 000		
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	73.0	23 550	70.0	23 550	23 550	24 000		
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	70.0	23 550	67.0	23 550	23 550	24 000		
7	43.5	45 900	55.5	23 800	62.5	23 550	67.0	23 550	67.0	23 550	64.0	23 550	23 550	24 000		
8	35.5	40 100	50.5	23 800	58.5	23 550	64.0	23 550	64.0	23 550	61.0	23 550	23 550	24 000		
9	24.0	35 150	45.0	23 800	54.5	23 550	61.0	23 550	61.0	23 550	57.5	23 550	23 550	24 000		
10			39.0	23 800	50.5	23 550	57.5	23 550	57.5	23 550	50.5	23 550	23 550	24 000		
12			21.5	23 800	41.0	23 550	42.5	23 550	42.5	23 550	33.0	18 650	18 750	18 800		
14					29.0	22 700		22 700		22 850	19.0	15 500	15 650	15 700		
16											36.0	13 250	13 350	13 350		
18											30.0			11 450		
20											18.0			9 900		
22											0.0					
24											0.0					
Min. Bm. Ang./Cap.	0.0	2 6050	0.0	17 650	0.0	12 850	0.0	9 800	0.0	7 750	0.0	6 150	0.0	6 150		
Radius (m)	9.6	12.6	15.7	18.7	21.8	24.8										



Fully Extended

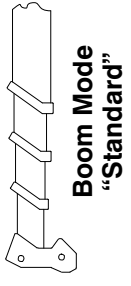
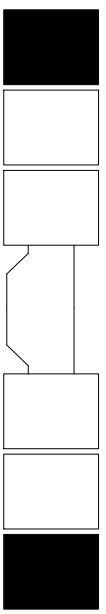
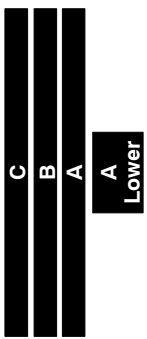


Boom Mode "Standard"

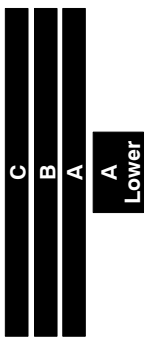


Over Front Blocked

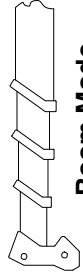
Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.5	24 250										
6	78.0	24 250	78.5	25 400								
7	76.0	24 250	77.5	25 400								
8	74.0	24 250	76.0	25 400	77.5	26 300						
9	72.0	24 250	74.0	25 400	76.0	23 550	77.5	22 300				
10	70.0	24 250	72.5	24 750	74.5	21 700	76.0	20 550	78.5	17 400		
12	65.5	24 250	68.5	21 300	71.0	18 650	73.0	17 700	75.0	17 000		
14	61.0	21 350	64.5	18 550	67.5	16 250	70.0	15 400	72.0	14 850		
16	56.5	18 800	60.5	16 350	64.0	14 300	67.0	13 550	69.5	13 050	79.5	13 600
18	51.5	15 750	56.5	14 500	60.0	12 650	63.5	12 000	66.0	11 550	78.5	13 600
20	46.0	13 400	52.0	13 000	56.5	11 300	60.0	10 700	63.0	10 300	76.0	13 600
22	40.0	11 500	47.0	11 550	52.0	10 100	56.5	9 600	60.0	9 200	74.0	13 600
24	33.0	9 950	41.5	10 000	47.5	9 100	52.5	8 600	56.5	8 300	71.5	12 500
26	24.0	8 750	35.5	8 800	43.0	8 250	48.5	7 800	53.0	7 500	68.5	11 100
28			28.0	7 750	37.5	7 450	44.0	7 050	49.0	6 750	66.0	10 000
30			17.5	6 850	31.5	6 800	39.5	6 400	45.0	6 100	63.0	9 100
32					23.5	6 100	34.0	5 800	41.0	5 550	60.0	8 000
34							27.0	5 300	36.0	5 050	56.5	7 200
36							17.5	4 800	30.0	4 600	53.5	6 500
38								4 800	23.0	4 150	50.0	5 900
40									8.5	3 800	46.0	5 350
42											42.0	4 850
Min.Bm. Ang./Cap.	0.0	4 950	0.0	4 050	0.0	3 300	0.0	2 650	0.0	2 150	0.0	1 700
Radius (m)	27.9		30.9		34.0		37.0		40.1		43.1	



Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550				
4	63.0	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.5	23 550	77.5	24 000
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	76.0	24 000
7	43.5	45 900	55.5	23 800	62.5	23 550	67.0	23 550	71.0	23 550	73.5	24 000
8	35.5	40 100	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	71.5	24 000
9	24.0	34 600	45.0	23 800	54.5	23 550	61.0	23 550	65.5	23 550	69.0	24 000
10			39.0	23 800	50.5	23 550	57.5	23 550	62.5	23 550	66.5	24 000
12			21.5	22 450	41.0	22 700	50.5	22 900	57.0	22 950	61.5	23 000
14					29.0	17 950	42.5	18 100	50.5	18 250	56.5	18 300
16							33.0	14 750	43.5	14 850	51.0	14 950
18							19.0	12 200	36.0	12 350	45.0	12 400
20									25.5	10 400	38.0	10 450
22											29.5	8 950
24											17.5	7 700
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 650	0.0	12 850	0.0	9 800	0.0	7 750	0.0	6 150
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



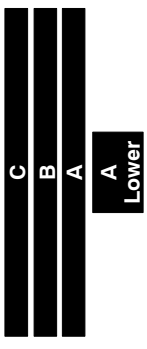
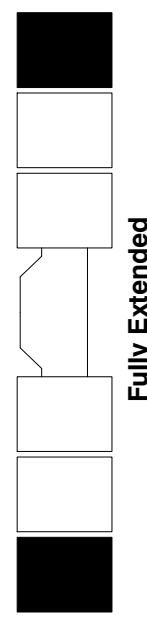
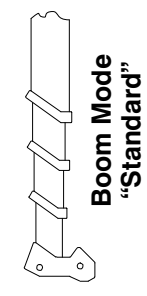
Fully Extended



Boom Mode "Standard"

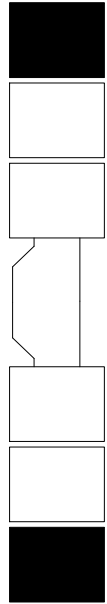


Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.5	24 250										
6	78.0	24 250	78.5	25 400								
7	76.0	24 250	77.5	25 400	77.5	26 300	77.5	22 300	78.5	17 400	79.5	13 600
8	74.0	24 250	76.0	25 400	76.0	23 550	76.0	20 550	77.5	17 400	78.5	13 600
9	72.0	24 250	74.0	25 400	74.5	21 700	73.0	18 650	75.0	17 000	76.0	13 600
10	70.0	24 250	72.5	24 750	71.0	18 650	70.0	16 250	72.0	14 850	74.0	13 600
12	65.5	23 000	68.5	21 300	67.5	16 250	64.5	18 350	67.0	13 550	71.5	12 500
14	61.0	18 300	64.5	18 300	64.0	14 300	60.0	12 500	63.5	12 000	68.5	11 100
16	56.0	14 950	60.5	15 000	60.0	10 600	56.0	10 550	60.0	10 300	66.0	10 000
18	51.0	12 450	56.0	12 500	56.0	9 100	52.0	9 100	56.0	9 150	63.0	9 100
20	46.0	10 500	51.5	10 550	47.5	7 850	48.0	6 850	52.5	7 900	60.0	7 900
22	39.5	9 000	46.5	9 050	42.5	6 800	42.5	6 800	48.0	6 850	56.5	6 850
24	32.5	7 750	41.5	7 800	37.0	5 900	37.0	5 900	44.0	5 950	53.0	6 000
26	23.5	6 700	35.0	6 750	31.0	5 150	31.0	5 150	39.0	5 200	49.5	5 250
28			28.0	5 900	23.0	4 500	23.0	4 500	33.5	4 550	45.5	4 600
30			17.0	5 150					26.5	4 000	41.5	4 000
32									17.0	3 500	37.0	3 500
34										3 050	32.0	3 050
36										2 650	26.0	2 700
38											17.5	2 350
40											0.0	1 700
42											0.0	
Min. Bm. Ang./Cap.	0.0	4 950	0.0	4 050	0.0	3 300	0.0	2 650	0.0	2 150	0.0	1 700
Radius (m)	27.9	30.9	34.0	37.0	40.1	43.1						

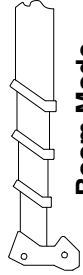


Main Boom Capacities — 12.19m—45.72m Boom

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800								
3.5	65.5	91 800	70.5	23 800	74.5	23 550						
4	63.0	80 300	68.5	23 800	72.5	23 550						
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550				
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550				
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550		
7	43.5	45 900	55.5	23 800	62.5	23 550	67.0	23 550	71.0	23 550	73.5	24 000
8	35.5	38 050	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	71.5	24 000
9	24.0	31 400	45.0	23 800	54.5	23 550	61.0	23 550	65.5	23 550	69.0	24 000
10			39.0	23 800	50.5	23 550	57.5	23 550	62.5	23 550	66.5	24 000
12			21.5	20 250	41.0	20 550	50.5	20 700	56.5	20 800	61.5	20 800
14					28.5	16 150	42.5	16 300	50.5	16 450	56.5	16 500
16							33.0	13 200	43.5	13 300	50.5	13 400
18							18.5	10 900	35.5	11 000	44.5	11 050
20									25.5	9 250	38.0	9 300
22											29.5	7 900
24											17.5	6 750
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 650	0.0	12 850	0.0	9 800	0.0	7 750	0.0	6 150
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



Fully Extended



Boom Mode "Standard"

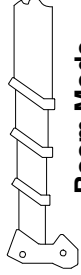
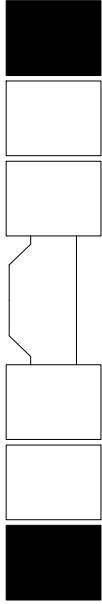
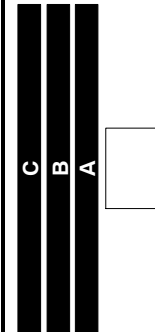


Main Boom Capacities – 12.19m–45.72m Boom



WARNING

Do Not Raise Boom Above 76° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.



Main Boom Capacities — 12.19m—45.72m Boom

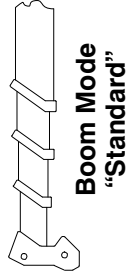
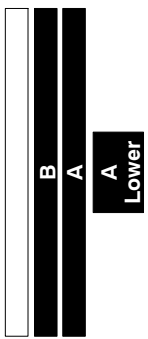
Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
8	74.0	24 250										
9	72.0	24 250	74.0	25 400								
10	69.5	24 250	72.5	24 750	74.5	21 700						
12	65.5	20 850	68.5	20 850	71.0	18 650	73.0	17 700	75.0	17 000		
14	60.5	16 500	64.5	16 550	67.5	16 250	70.0	15 400	72.0	14 850	74.0	13 600
16	56.0	13 450	60.0	13 450	64.0	13 450	67.0	13 450	69.5	13 050	71.5	12 500
18	51.0	11 150	56.0	11 150	60.0	11 150	63.5	11 150	66.0	11 200	68.5	11 100
20	45.5	9 350	51.5	9 400	56.0	9 400	59.5	9 400	63.0	9 400	65.5	9 400
22	39.5	7 950	46.5	8 000	51.5	8 050	56.0	8 050	59.5	8 100	62.5	8 100
24	32.5	6 800	41.0	6 850	47.0	6 900	52.0	6 900	56.0	6 950	59.5	6 950
26	23.5	5 850	35.0	5 900	42.5	5 900	48.0	5 950	52.5	6 000	56.0	6 000
28			27.5	5 050	37.0	5 100	43.5	5 150	48.5	5 150	52.5	5 200
30			17.0	4 400	30.5	4 400	38.5	4 450	44.5	4 450	49.0	4 500
32					22.5	3 800	33.0	3 850	40.0	3 850	45.5	3 900
34							26.5	3 300	35.0	3 350	41.5	3 350
36							17.0	2 850	29.5	2 900	37.0	2 900
38									22.0	2 450	32.0	2 500
40									7.5	2 100	25.5	2 150
42											17.0	1 800
Min. Bm. Ang./Cap.	0.0	4 950	0.0	4 050	0.0	3 300	0.0	2 650	0.0	2 100	0.0	1 650
Radius (m)	27.9		30.9		34.0		37.0		40.1		43.1	



WARNING

Do Not Raise Boom Above 76° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

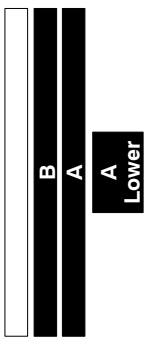
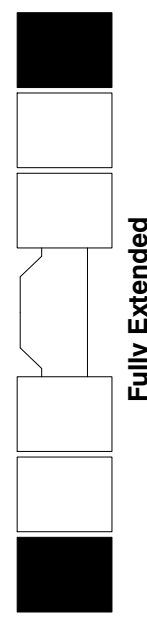
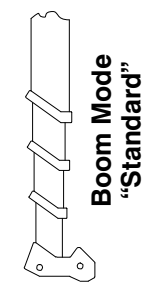
Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550				
4	63.0	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.5	23 550	77.5	24 000
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	76.0	24 000
7	43.5	43 950	55.5	23 800	62.5	23 550	67.0	23 550	70.5	23 550	73.5	24 000
8	35.0	35 050	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	71.0	24 000
9	24.0	28 850	45.0	23 800	54.5	23 550	60.5	23 550	65.0	23 550	69.0	24 000
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	23 550	66.5	24 000
12			21.5	18 550	41.0	18 800	50.5	18 950	56.5	19 000	61.5	19 050
14					28.5	14 700	42.5	14 850	50.5	15 000	56.0	15 050
16							33.0	11 950	43.5	12 050	50.5	12 150
18							18.5	9 800	35.5	9 900	44.5	10 000
20									25.5	8 250	38.0	8 350
22											29.5	7 050
24											17.5	5 950
Min. Bm. Ang./Cap.	0.0	26 000	0.0	17 000	0.0	12 150	0.0	9 150	0.0	7 050	0.0	5 550
Radius (m)		9.6		12.6		15.7		18.7		21.8		24.8



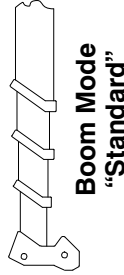
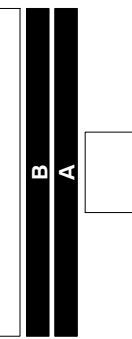
Main Boom Capacities – 12.19m–45.72m Boom

Not for crane operations

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.5	24 250										
6	78.0	24 250	78.5	25 400								
7	76.0	24 250	77.5	25 400	77.5	26 300	77.5	22 300	78.5	17 400		
8	74.0	24 250	76.0	25 400	76.0	23 550	76.0	20 550	77.5	17 400		
9	71.5	24 250	74.0	25 400	74.5	21 700	73.0	17 700	75.0	17 000		
10	69.5	24 250	72.5	24 750	71.0	18 650	70.0	15 100	72.0	14 850		
12	65.0	19 100	68.5	19 100	67.5	15 100						
14	60.5	15 050	64.0	15 100								
16	56.0	12 200	60.0	12 200	63.5	12 250	66.5	12 250	69.0	12 250		
18	51.0	10 050	55.5	10 100	59.5	10 100	63.0	10 100	66.0	10 100		
20	45.5	8 450	51.0	8 500	55.5	8 500	59.5	8 550	62.5	8 550		
22	39.5	7 100	46.5	7 150	51.5	7 200	55.5	7 200	59.0	7 200		
24	32.5	6 000	41.0	6 050	47.0	6 100	52.0	6 150	56.0	6 150		
26	23.5	5 100	35.0	5 150	42.0	5 200	47.5	5 250	52.0	5 250		
28			27.5	4 400	37.0	4 450	43.5	4 500	48.5	4 500		
30			17.0	3 750	30.5	3 800	38.5	3 850	44.5	3 850		
32					22.5	3 250	33.0	3 250	40.0	3 300		
34							26.0	2 800	35.0	2 800		
36							16.5	2 350	29.0	2 400		
38									22.0	2 000		
40												
42												
Min. Bm. Ang./Cap.	0.0	4 400	0.0	3 500	0.0	2 750	0.0	2 200	0.0	1 650	0.0	1 250
Radius (m)	27.9		30.9		34.0		37.0		40.1		43.1	



Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550				
4	63.0	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.5	23 550	77.5	24 000
6	50.5	52 050	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	76.0	24 000
7	43.5	39 400	55.5	23 800	62.5	23 550	67.0	23 550	70.5	23 550	73.5	24 000
8	35.0	31 350	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	71.0	24 000
9	24.0	25 700	45.0	23 800	54.5	23 550	60.5	23 550	65.0	23 550	68.5	24 000
10			38.5	22 050	50.5	22 350	57.5	22 450	62.5	22 500	66.0	22 550
12			21.5	16 350	41.0	16 650	50.5	16 850	56.5	16 900	61.0	16 950
14					28.5	12 900	42.5	13 050	50.5	13 200	56.0	13 250
16							33.0	10 450	43.5	10 550	50.5	10 650
18							18.5	8 500	35.5	8 600	44.5	8 700
20									25.5	7 100	37.5	7 200
22											29.5	5 950
24											17.5	5 000
Min. Bm. Ang./Cap.	0.0	23 100	0.0	15 000	0.0	10 600	0.0	7 850	0.0	6 000	0.0	4 650
Radius (m)		9.6		12.6		15.7		18.7		21.8		24.8

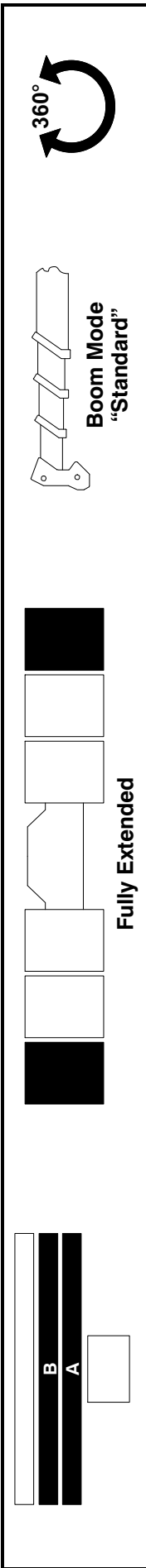


Main Boom Capacities – 12.19m–45.72m Boom

Fully Extended

Boom Mode
"Standard"



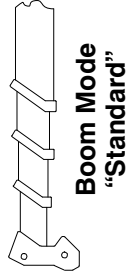
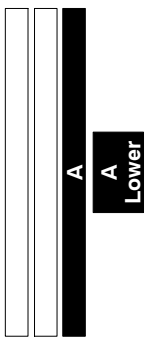


Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.5	24 250	78.5	25 400								
6	78.0	24 250										
7	76.0	24 250	77.5	25 400	77.5	26 300						
8	73.5	24 250	76.0	25 400	76.0	23 550	77.5	22 300	78.5	17 400		
9	71.5	24 250	74.0	25 400	76.0	21 700	76.0	20 550	77.5	17 400	79.5	13 600
10	69.5	22 600	72.0	22 600	74.5	17 000	73.0	17 050	75.0	17 000	76.0	13 600
12	65.0	17 000	68.0	17 000	70.5	13 300	67.0	13 300	72.0	13 300	74.0	13 300
14	60.5	13 250	64.0	13 300	63.5	10 700	66.0	10 700	68.5	10 700	71.0	10 700
16	55.5	10 650	60.0	10 700	59.5	8 850	62.5	8 850	65.5	8 850	68.0	8 850
18	50.5	8 800	55.5	8 800	55.5	7 350	59.0	7 350	62.0	7 350	65.0	7 350
20	45.5	7 250	51.0	7 300	51.5	6 150	55.5	6 150	59.0	6 150	62.0	6 150
22	39.5	6 050	46.0	6 100	47.0	5 150	51.5	5 150	55.5	5 200	58.5	5 200
24	32.5	5 050	41.0	5 100	42.0	4 350	47.5	4 350	52.0	4 400	55.5	4 400
26	23.5	4 250	34.5	4 300	36.5	3 650	43.0	3 650	48.0	3 700	52.0	3 700
28			27.5	3 600	30.5	3 050	38.0	3 050	44.0	3 100	48.5	3 100
30			16.5	3 000	22.0	2 550	32.5	2 550	39.5	2 600	45.0	2 600
32												
34												
36												
38												
40												
42												
Min. Bm. Ang./Cap. Radius (m)	0.0	3 600	0.0	2 800	0.0	2 100	0.0	1 550	0.0	1 100	15.5	0
	27.9		30.9		34.0		37.0		40.1		42.2	

⚠ WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

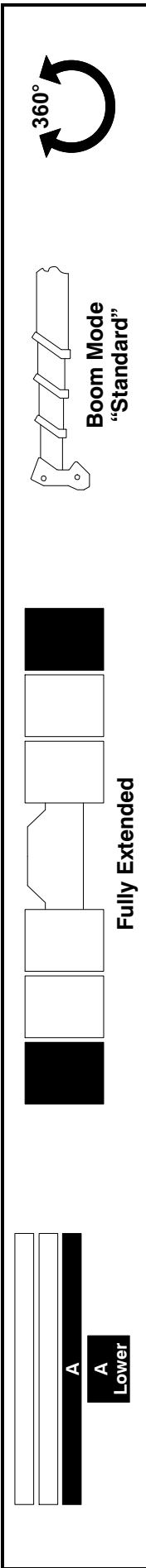
Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	90 600	70.5	23 800	74.5	23 550	77.0	23 550				
4	62.5	79 450	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	70 550	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	63 350	64.5	23 800	69.5	23 550	73.0	23 550	75.5	23 550	77.5	24 000
6	50.5	47 300	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	76.0	24 000
7	43.5	35 750	55.5	23 800	62.0	23 550	67.0	23 550	70.5	23 550	73.5	24 000
8	35.0	28 350	50.5	23 800	58.5	23 550	64.0	23 550	67.5	23 550	71.0	24 000
9	23.5	23 150	45.0	23 650	54.5	23 550	60.5	23 550	65.0	23 550	68.5	24 000
10			38.5	19 850	50.0	20 100	57.5	20 200	62.0	20 300	66.0	20 350
12			21.5	14 600	41.0	14 900	50.0	15 050	56.5	15 150	61.0	15 200
14					28.5	11 450	42.5	11 600	50.5	11 750	56.0	11 800
16							32.5	9 200	43.5	9 350	50.5	9 400
18							18.5	7 400	35.5	7 550	44.5	7 650
20									25.0	6 150	37.5	6 250
22											29.5	5 100
24											17.0	4 200
Min. Bm. Ang./Cap.	0.0	20 750	0.0	13 350	0.0	9 350	0.0	6 850	0.0	5 150	0.0	3 900
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



Main Boom Capacities – 12.19m–45.72m Boom

Fully Extended

Boom Mode "Standard"

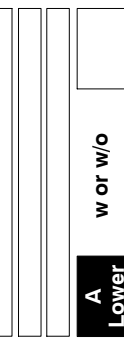
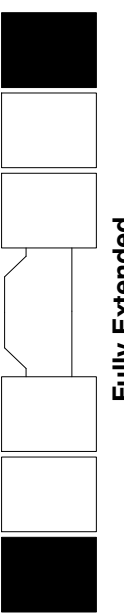
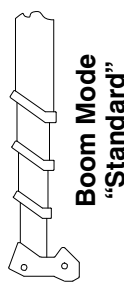


Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.5	24 250										
6	78.0	24 250	78.5	25 400								
7	76.0	24 250	77.5	25 400	77.5	26 300						
8	73.5	24 250	76.0	25 400	76.0	23 550	77.5	22 300	78.5	17 400	79.5	13 600
9	71.5	24 150	74.0	24 150	74.0	20 400	76.0	20 400	77.5	17 400	78.5	13 600
10	69.0	20 350	72.0	20 350	70.5	15 250	72.5	15 250	74.5	15 300	76.0	13 600
12	65.0	15 250	68.0	15 250	67.0	11 850	69.5	11 850	71.5	11 850	73.5	11 850
14	60.5	11 800	64.0	11 800	63.0	9 450	66.0	9 450	68.5	9 450	70.5	9 450
16	55.5	9 400	59.5	9 400	59.0	7 750	62.5	7 750	65.0	7 800	67.5	7 800
18	50.5	7 700	55.5	7 700	55.5	6 400	59.0	6 400	62.0	6 400	64.5	6 400
20	45.0	6 300	51.0	6 300	51.0	5 250	55.0	5 300	58.5	5 300	61.5	5 300
22	39.0	5 200	46.0	5 200	46.5	4 350	51.5	4 400	55.0	4 400	58.5	4 400
24	32.5	4 300	40.5	4 350	42.0	3 600	47.0	3 650	51.5	3 650	55.0	3 700
26	23.0	3 500	34.5	3 550	36.5	3 000	43.0	3 000	48.0	3 050	52.0	3 050
28			27.0	2 950	30.0	2 450	38.0	2 450	43.5	2 500	48.5	2 500
30			16.5	2 400	22.0	1 950	32.5	2 000	39.5	2 000	44.5	2 050
32							26.0	1 600	34.5	1 600	40.5	1 650
34							16.5	1 250	28.5	1 250	36.0	1 250
36								1 100	21.5	950	31.0	950
38												
Min. Bm. Ang./Cap. Radius (m)	0.0	2 950	0.0	2 200	0.0	1 600	0.0	1 100	20.5	0	30.0	0
	27.9		30.9		34.0		37.0		38.3		38.4	

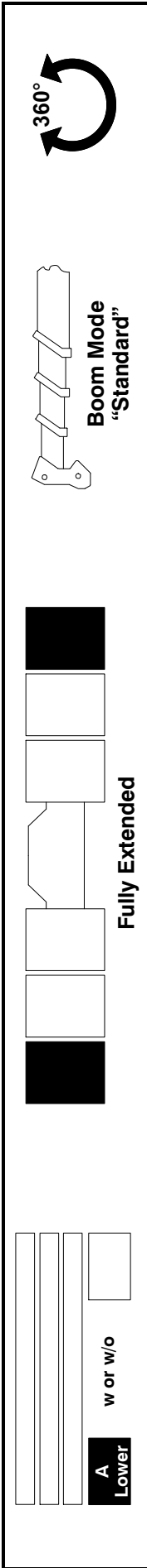
WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
	A Lower w or w/o		Fully Extended		Fully Extended		Fully Extended		Fully Extended		Fully Extended	
3	68.0	94 700	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	81 600	70.5	23 800	74.5	23 550	77.0	23 550				
4	62.5	71 450	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	53 850	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	42 400	64.5	23 800	69.5	23 550	72.5	23 550	75.5	23 550	77.5	24 000
6	50.5	29 100	60.0	23 800	65.5	23 550	69.5	23 550	72.5	23 550	75.0	24 000
7	43.5	21 500	55.5	22 000	62.0	22 150	66.5	22 300	70.0	22 350	72.5	22 400
8	35.0	16 650	50.0	17 200	58.0	17 400	63.5	17 500	67.5	17 600	70.5	17 650
9	23.5	13 250	44.5	13 750	54.5	14 050	60.5	14 150	64.5	14 200	68.0	14 250
10			38.5	11 250	50.0	11 550	57.0	11 650	62.0	11 750	65.5	11 800
12			21.0	7 800	40.5	8 100	50.0	8 300	56.0	8 400	60.5	8 450
14					28.5	5 850	42.0	6 050	50.0	6 150	55.5	6 200
16							32.5	4 400	43.0	4 550	50.0	4 650
18							18.5	3 200	35.5	3 350	44.0	3 450
20									25.0	2 450	37.5	2 500
22											29.0	1 800
24											17.0	1 200
Min. Bm. Ang./Cap.	0.0	11 650	0.0	6 950	0.0	4 450	0.0	2 850	0.0	1 750	0.0	1 000
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



Main Boom Capacities – 12.19m–45.72m Boom

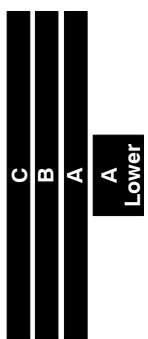


Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
5	79.5	24 250	78.5	25 400	76.5	17 750	76.5	14 350	78.0	14 400	79.5	13 600
6	77.0	24 250		22 500		14 350		11 900		14 350		11 900
7	75.0	22 450	75.0	17 700	75.0	14 350	73.0	11 850	73.5	8 550	75.0	8 600
8	73.0	17 700	73.0	14 300	73.0	11 850	71.5	8 550	70.5	6 350	72.0	6 350
9	70.5	14 300	71.0	11 800	69.5	8 500	68.5	6 300	67.5	4 750	69.5	4 750
10	68.5	11 800	67.0	8 500	66.0	6 300	65.0	4 750	64.0	3 600	66.5	3 600
12	64.0	8 500	59.0	4 700	58.5	3 550	58.0	2 650	61.0	2 700	63.5	2 700
14	60.0	6 250	55.0	3 500	54.5	2 650	54.5	1 950	57.5	2 000	60.5	2 000
16	55.0	4 700	40.0	1 300	46.0	1 350	41.0	850	54.5	1 400	57.5	1 400
18	50.0	3 500	34.0	800	40.0	850	45.5	0	49.5	900	54.0	900
20	45.0	2 600	33.0	0	40.0	0	45.5	0	49.5	0	53.0	0
22	39.0	1 850	26.3		26.4		26.5		26.5		26.6	
24	32.0	1 250	26.2		26.3		26.4		26.5		26.6	
26	23.0	750	26.2		26.3		26.4		26.5		26.6	
Min. Bm. Ang./Cap.	22.0	0	26.2		26.3		26.4		26.5		26.6	
Radius (m)	26.2		26.3		26.4		26.5		26.5		26.6	

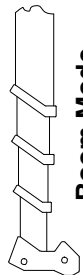
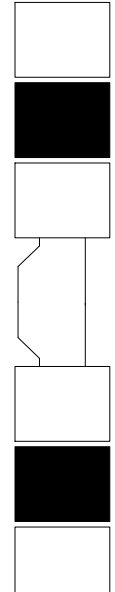
WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800								
3.5	65.5	91 800	70.5	23 800								
4	63.0	80 300	68.5	23 800	72.5	23 550						
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550				
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550				
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550		
7	43.5	43 600	55.5	23 800	62.5	23 550	67.0	23 550	70.5	23 550	73.5	24 000
8	35.0	35 350	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	71.0	24 000
9	24.0	29 450	45.0	23 800	54.5	23 550	60.5	23 550	65.0	23 550	69.0	24 000
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	23 550	66.5	24 000
12			21.5	19 300	41.0	19 550	50.5	19 700	56.5	19 800	61.5	19 850
14					28.5	15 450	42.5	15 650	50.5	15 750	56.0	15 850
16							33.0	12 700	43.5	12 800	50.5	12 900
18							18.5	10 500	35.5	10 600	44.5	10 700
20									25.5	8 900	38.0	9 000
22											29.5	7 650
24											17.5	6 500
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 650	0.0	12 850	0.0	9 800	0.0	7 700	0.0	6 100
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



Intermediate Extended



Boom Mode "Standard"

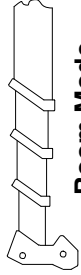
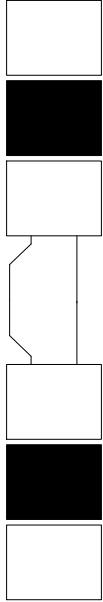
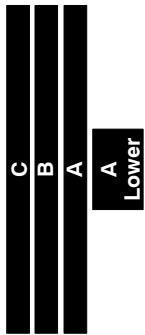


Main Boom Capacities – 12.19m–45.72m Boom



WARNING

Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.



Main Boom Capacities – 12.19m–45.72m Boom

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
8	74.0	24 250										
9	72.0	24 250	74.0	25 400								
10	69.5	24 250	72.5	24 750								
12	65.0	19 900	68.5	19 900	71.0	18 650	73.0	17 700				
14	60.5	15 850	64.5	15 900	67.5	15 900	70.0	15 400	72.0	14 850	74.0	13 600
16	56.0	12 950	60.0	12 950	63.5	13 000	66.5	13 000	69.5	13 000	71.5	12 500
18	51.0	10 750	56.0	10 800	60.0	10 800	63.0	10 800	66.0	10 800	68.5	10 800
20	45.5	9 100	51.5	9 150	56.0	9 150	59.5	9 200	63.0	9 200	65.5	9 200
22	39.5	7 700	46.5	7 750	51.5	7 800	56.0	7 850	59.5	7 850	62.5	7 850
24	32.5	6 600	41.0	6 650	47.0	6 700	52.0	6 700	56.0	6 750	59.5	6 750
26	23.5	5 650	35.0	5 700	42.5	5 750	48.0	5 750	52.5	5 800	56.0	5 800
28			27.5	4 900	37.0	4 950	43.5	5 000	48.5	5 000	52.5	5 000
30			17.0	4 250	30.5	4 300	38.5	4 300	44.5	4 350	49.0	4 350
32					22.5	3 700	33.0	3 700	40.0	3 750	45.5	3 750
34							26.5	3 200	35.0	3 250	41.5	3 250
36							17.0	2 750	29.5	2 800	37.0	2 800
38									22.0	2 400	31.5	2 400
40									7.5	2 050	25.5	2 050
42											17.0	1 750
Min. Bm. Ang./Cap.	0.0	4 900	0.0	3 950	0.0	3 200	0.0	2 550	0.0	2 050	0.0	1 600
Radius (m)		27.9		30.9		34.0		37.0		40.1		43.1



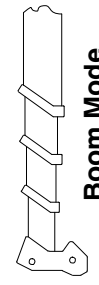
WARNING

Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
5	57.0	64 200										
6	50.5	51 650										
7	43.5	40 050	55.5	23 800								
8	35.0	32 400	50.5	23 800	58.5	23 550						
9	24.0	26 900	45.0	23 800	54.5	23 550						
10			38.5	23 250	50.5	23 550	57.5	23 550				
12			21.5	17 550	41.0	17 800	50.5	18 000	56.5	18 100		
14					28.5	14 000	42.5	14 150	50.5	14 300	56.0	14 350
16							33.0	11 450	43.5	11 550	50.5	11 650
18							18.5	9 400	35.5	9 500	44.5	9 600
20									25.5	7 950	37.5	8 050
22											29.5	6 750
24											17.5	5 700
Min. Bm. Ang./Cap.	0.0	24 300	0.0	16 150	0.0	11 650	0.0	8 800	0.0	6 800	0.0	5 350
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



Intermediate Extended



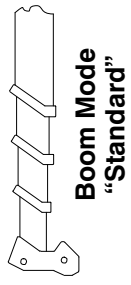
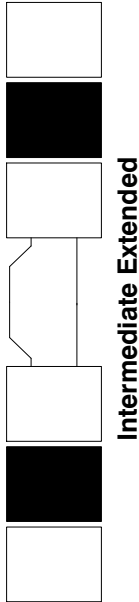
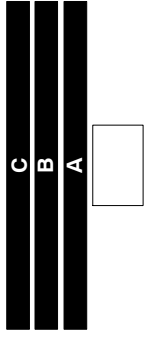
Boom Mode "Standard"



WARNING

Do Not Raise Boom Above 61° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
16	56.0	11 700										
18	51.0	9 650	55.5	9 700	59.5	9 700	59.5	8 200				
20	45.5	8 100	51.0	8 150	55.5	8 200	59.5	8 200				
22	39.5	6 800	46.5	6 900	51.5	6 900	55.5	6 950	59.0	6 950		
24	32.5	5 800	41.0	5 850	47.0	5 850	52.0	5 900	55.5	5 950	59.0	5 950
26	23.5	4 900	35.0	4 950	42.0	5 000	47.5	5 050	52.0	5 050	56.0	5 100
28			27.5	4 250	36.5	4 300	43.0	4 300	48.5	4 350	52.5	4 350
30			17.0	3 600	30.5	3 650	38.5	3 700	44.0	3 700	49.0	3 700
32					22.5	3 100	33.0	3 150	40.0	3 150	45.0	3 150
34							26.0	2 650	35.0	2 700	41.0	2 700
36							16.5	2 250	29.0	2 250	36.5	2 300
38								1 900	21.5	1 900	31.5	1 900
40								1 600	7.0	1 600	25.5	1 600
42											16.5	1 300
Min. Bm. Ang./Cap.	0.0	4 250	0.0	3 350	0.0	2 650	0.0	2 050	0.0	1 600	0.0	1 150
Radius (m)	27.9		30.9		34.0		37.0		40.1		43.1	

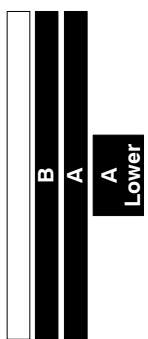


Main Boom Capacities — 12.19m—45.72m Boom

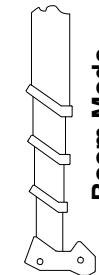


WARNING Do Not Raise Boom Above 61° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550				
4	63.0	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.5	23 550	77.5	24 000
6	50.5	47 100	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	76.0	24 000
7	43.5	36 450	55.5	23 800	62.0	23 550	67.0	23 550	70.5	23 550	73.5	24 000
8	35.0	29 350	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	71.0	24 000
9	23.5	24 300	45.0	23 800	54.5	23 550	60.5	23 550	65.0	23 550	68.5	24 000
10			38.5	21 000	50.5	21 300	57.5	21 450	62.5	21 500	66.0	21 550
12			21.5	15 750	41.0	16 000	50.5	16 200	56.5	16 300	61.0	16 350
14					28.5	12 500	42.5	12 650	50.5	12 800	56.0	12 850
16							33.0	10 150	43.5	10 250	50.5	10 350
18							18.5	8 300	35.5	8 400	44.5	8 500
20									25.5	6 950	37.5	7 050
22											29.5	5 850
24											17.5	4 900
Min. Bm. Ang./Cap.	0.0	21 950	0.0	14 450	0.0	10 300	0.0	7 700	0.0	5 900	0.0	4 550
Radius (m)		9.6		12.6		15.7		18.7		21.8		24.8



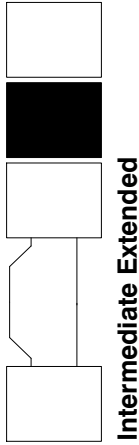
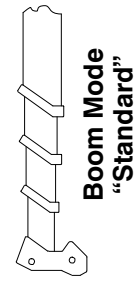
Intermediate Extended



Boom Mode "Standard"



Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.5	24 250	78.5	25 400								
6	78.0	24 250										
7	76.0	24 250	77.5	25 400	77.5	26 300						
8	73.5	24 250	76.0	25 400	76.0	23 550						
9	71.5	24 250	74.0	25 350	76.0	23 550	77.5	22 300	78.5	17 400	79.5	13 600
10	69.5	21 550	72.0	21 550	74.5	21 600	76.0	20 550	77.5	17 400	78.5	13 600
12	65.0	16 350	68.0	16 400	70.5	16 400	73.0	16 400	75.0	16 400	76.0	13 600
14	60.5	12 900	64.0	12 900	67.0	12 900	69.5	12 900	72.0	12 950	74.0	12 950
16	55.5	10 400	60.0	10 400	63.0	10 450	66.0	10 450	68.5	10 450	71.0	10 450
18	50.5	8 550	55.5	8 600	59.5	8 650	62.5	8 650	65.5	8 650	68.0	8 700
20	45.5	7 100	51.0	7 150	55.5	7 200	59.0	7 200	62.0	7 200	65.0	7 250
22	39.5	5 950	46.0	6 000	51.5	6 000	55.5	6 050	59.0	6 050	62.0	6 050
24	32.5	4 950	40.5	5 000	47.0	5 050	51.5	5 100	55.5	5 100	58.5	5 150
26	23.5	4 150	34.5	4 200	42.0	4 250	47.5	4 300	52.0	4 300	55.5	4 350
28			27.5	3 550	36.5	3 600	43.0	3 600	48.0	3 650	52.0	3 650
30			16.5	2 950	30.5	3 000	38.0	3 050	44.0	3 050	48.5	3 050
32					22.0	2 500	32.5	2 550	39.5	2 550	45.0	2 550
34							26.0	2 100	34.5	2 100	40.5	2 150
36							16.5	1 700	29.0	1 750	36.5	1 750
38									21.5	1 400	31.0	1 400
40											25.0	1 100
42											16.5	850
Min. Bm. Ang./Cap. Radius (m)	0.0	3 550	0.0	2 750	0.0	2 100	0.0	1 550	0.0	1 100	15.5	0
	27.9		30.9		34.0		37.0		40.1		42.2	

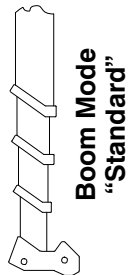
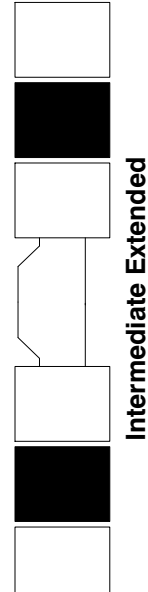
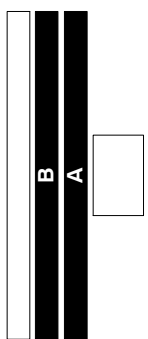


Main Boom Capacities – 12.19m–45.72m Boom

⚠ WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

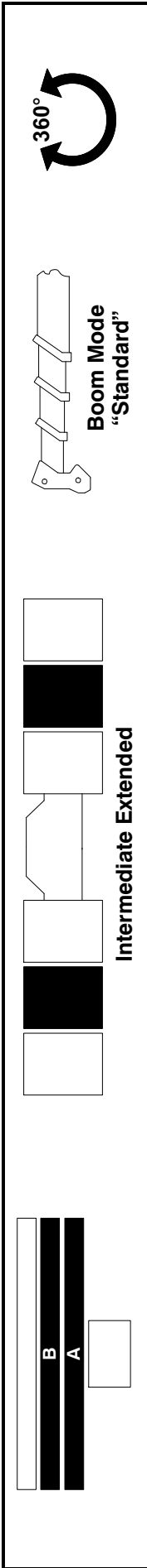
Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550				
4	63.0	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	58 900	64.5	23 800	69.5	23 550	73.0	23 550	75.5	23 550	77.5	24 000
6	50.5	42 650	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	75.5	24 000
7	43.5	32 900	55.5	23 800	62.0	23 550	67.0	23 550	70.5	23 550	73.0	24 000
8	35.0	26 400	50.5	23 800	58.5	23 550	63.5	23 550	67.5	23 550	71.0	24 000
9	23.5	21 800	45.0	22 250	54.5	22 550	60.5	22 650	65.0	22 700	68.5	22 750
10			38.5	18 850	50.0	19 050	57.0	19 200	62.0	19 250	66.0	19 300
12			21.5	13 950	41.0	14 250	50.0	14 400	56.5	14 550	61.0	14 550
14					28.5	11 000	42.5	11 200	50.5	11 300	56.0	11 400
16							32.5	8 900	43.5	9 050	50.5	9 150
18							18.5	7 200	35.5	7 300	44.5	7 400
20									25.0	5 950	37.5	6 050
22											29.5	5 000
24											17.0	4 100
Min. Bm. Ang./Cap.	0.0	19 600	0.0	12 800	0.0	9 050	0.0	6 650	0.0	5 000	0.0	3 800
Radius (m)	9.6	12.6	15.7	18.7	21.8	24.8						



Main Boom Capacities – 12.19m–45.72m Boom

WARNING

Do Not Raise Boom Above 79° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.



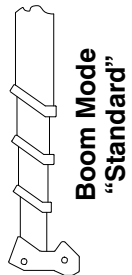
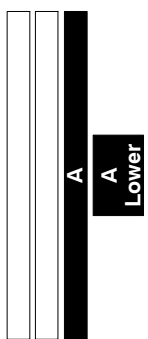
Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
6	78.0	24 250	78.5	25 400								
7	75.5	24 250	77.5	25 400								
8	73.5	24 250	75.5	25 400	77.5	26 300						
9	71.5	22 750	73.5	22 800	76.0	22 800	77.5	22 300				
10	69.0	19 350	71.5	19 350	74.0	19 350	76.0	19 350	78.5	17 400	78.5	13 600
12	64.5	14 600	68.0	14 650	70.5	14 650	72.5	14 650	74.5	14 650	76.0	13 600
14	60.5	11 400	64.0	11 450	66.5	11 450	69.5	11 450	71.5	11 450	73.5	11 450
16	55.5	9 200	59.5	9 250	63.0	9 250	66.0	9 250	68.5	9 250	70.5	9 300
18	50.5	7 450	55.5	7 500	59.0	7 550	62.5	7 550	65.0	7 550	67.5	7 600
20	45.0	6 100	51.0	6 150	55.0	6 200	59.0	6 250	62.0	6 250	64.5	6 250
22	39.0	5 050	46.0	5 100	51.0	5 150	55.0	5 150	58.5	5 200	61.5	5 200
24	32.0	4 150	40.5	4 200	46.5	4 250	51.5	4 300	55.0	4 300	58.5	4 350
26	23.0	3 450	34.5	3 500	42.0	3 500	47.0	3 550	51.5	3 600	55.0	3 600
28			27.0	2 850	36.5	2 900	43.0	2 950	48.0	2 950	52.0	3 000
30			16.5	2 350	30.0	2 400	38.0	2 400	43.5	2 450	48.5	2 450
32					22.0	1 900	32.5	1 950	39.5	1 950	44.5	2 000
34							26.0	1 550	34.5	1 550	40.5	1 600
36							16.5	1 200	28.5	1 200	36.0	1 250
38									21.5	900	31.0	900
Min. Bm. Ang./Cap.	0.0	2 850	0.0	2 150	0.0	1 550	0.0	1 050	20.5	0	30.0	0
Radius (m)	27.9		30.9		34.0		37.0		38.3		38.4	



WARNING

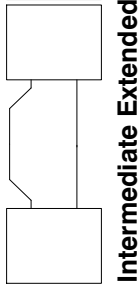
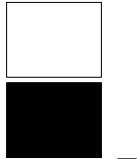
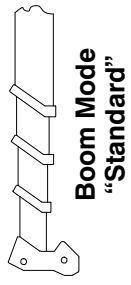
Do Not Raise Boom Above 79° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.
Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	90 600	70.5	23 800	74.5	23 550	77.0	23 550				
4	62.5	79 450	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	64 700	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	52 850	64.5	23 800	69.5	23 550	73.0	23 550	75.5	23 550	77.5	24 000
6	50.5	38 050	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	75.5	24 000
7	43.5	29 250	55.5	23 800	62.0	23 550	67.0	23 550	70.0	23 550	73.0	24 000
8	35.0	23 400	50.5	23 800	58.5	23 550	63.5	23 550	67.5	23 550	70.5	24 000
9	23.5	19 200	45.0	19 700	54.5	19 950	60.5	20 050	65.0	20 100	68.5	20 150
10			38.5	16 550	50.0	16 850	57.0	17 000	62.0	17 050	66.0	17 100
12			21.5	12 150	41.0	12 450	50.0	12 600	56.5	12 750	61.0	12 750
14					28.5	9 500	42.0	9 700	50.0	9 800	56.0	9 900
16							32.5	7 650	43.5	7 750	50.5	7 850
18							18.5	6 050	35.5	6 200	44.5	6 250
20									25.0	4 950	37.5	5 050
22											29.0	4 100
24											17.0	3 300
Min. Bm. Ang./Cap.	0.0	17 200	0.0	11 100	0.0	7 700	0.0	5 550	0.0	4 100	0.0	3 000
Radius (m)	9.6	12.6	15.7	18.7	21.8	24.8						



Main Boom Capacities – 12.19m–45.72m Boom

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.5	24 250										
6	77.5	24 250	78.5	25 400								
7	75.5	24 250	77.5	25 400								
8	73.0	24 250	75.5	24 350	77.5	24 400						
9	71.0	20 200	73.5	20 200	75.5	20 200	77.5	20 200				
10	69.0	17 150	71.5	17 150	73.5	17 200	75.5	17 200	77.5	17 200		
12	64.5	12 800	67.5	12 800	70.0	12 850	72.5	12 850	74.5	12 850		
14	60.0	9 900	63.5	9 950	66.5	9 950	69.0	9 950	71.0	9 950		
16	55.5	7 900	59.5	7 950	63.0	7 950	65.5	8 000	68.0	8 000		
18	50.5	6 350	55.0	6 400	59.0	6 400	62.0	6 450	65.0	6 450		
20	45.0	5 100	50.5	5 150	55.0	5 200	58.5	5 250	61.5	5 250		
22	39.0	4 150	46.0	4 200	51.0	4 250	55.0	4 250	58.5	4 300		
24	32.0	3 350	40.5	3 400	46.5	3 450	51.0	3 450	55.0	3 500		
26	23.0	2 700	34.5	2 750	41.5	2 750	47.0	2 800	51.5	2 850		
28			27.0	2 200	36.0	2 200	42.5	2 250	47.5	2 250		
30			16.5	1 700	30.0	1 750	37.5	1 750	43.5	1 800		
32					22.0	1 300	32.0	1 350	39.0	1 350		
34							25.5	1 000	34.0	1 000		
Min.Bm. Ang./Cap.	0.0	2 150	0.0	1 500	0.0	1 000	24.5	0	33.0	0	39.0	0
Radius (m)	27.9		30.9		34.0		34.3		34.4		34.5	

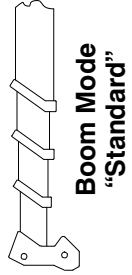
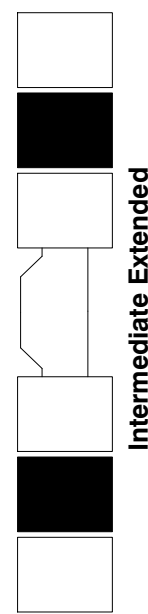
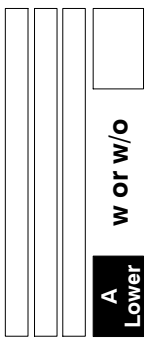


Main Boom Capacities — 12.19m—45.72m Boom



WARNING
Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	94 700	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	71 800	70.5	23 800	74.5	23 550	77.0	23 550				
4	62.5	52 000	68.5	23 800	72.5	23 550	75.5	23 550				
4.5	59.5	40 350	66.5	23 800	71.0	23 550	74.0	23 550			78.0	24 000
5	57.0	32 650	64.5	23 800	69.0	23 550	72.5	23 550			77.5	24 000
6	50.5	23 000	60.0	23 450	65.5	23 550	69.5	23 550			75.0	23 900
7	43.5	17 250	55.0	17 750	62.0	17 950	66.5	18 050			72.5	18 200
8	35.0	13 400	50.0	13 900	58.0	14 150	63.5	14 250			70.0	14 350
9	23.5	10 650	44.5	11 150	54.0	11 400	60.5	11 550			68.0	11 650
10			38.5	9 100	50.0	9 400	57.0	9 500			65.5	9 600
12			21.0	6 200	40.5	6 500	50.0	6 700			60.5	6 850
14					28.5	4 550	42.0	4 750			55.5	4 950
16							32.5	3 350			50.0	3 600
18							18.5	2 350			44.0	2 550
20											37.0	1 750
22											29.0	1 100
Min. Bm. Ang./Cap.	0.0	9 300	0.0	5 450	0.0	3 350	0.0	2 000	0.0	1 050	28.0	0
Radius (m)	9.6		12.6		15.7		18.7		21.8		22.3	

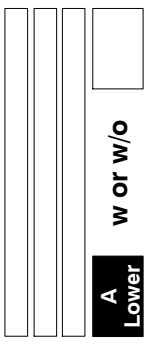
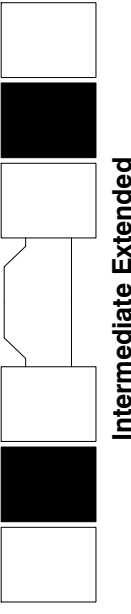
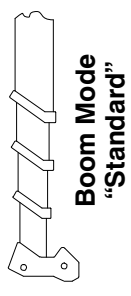


Main Boom Capacities – 12.19m–45.72m Boom

WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.0	24 250										
6	77.0	23 950	78.5	23 950								
7	74.5	18 250	76.5	18 250								
8	72.5	14 400	74.5	14 450	76.5	14 450						
9	70.5	11 700	72.5	11 700	74.5	11 750	76.5	11 750				
10	68.5	9 650	71.0	9 700	73.0	9 700	74.5	9 700	77.5	11 750	79.0	11 750
12	64.0	6 900	67.0	6 900	69.5	6 950	71.5	6 950	73.0	6 950	74.5	6 950
14	59.5	5 000	63.0	5 000	66.0	5 050	68.0	5 050	70.0	5 050	72.0	5 100
16	55.0	3 650	59.0	3 700	62.0	3 700	65.0	3 700	67.0	3 700	69.0	3 750
18	50.0	2 600	54.5	2 650	58.5	2 700	61.5	2 700	64.0	2 700	66.0	2 700
20	44.5	1 800	50.0	1 850	54.5	1 900	58.0	1 900	60.5	1 950	63.0	1 950
22	38.5	1 150	45.5	1 200	50.5	1 250	54.0	1 300	57.5	1 300	60.0	1 300
Min. Bm. Ang./Cap.	37.5	0	44.5	0	49.5	0	53.0	0	56.5	0	59.0	0
Radius (m)	22.3		22.4		22.5		22.5		22.7		22.7	

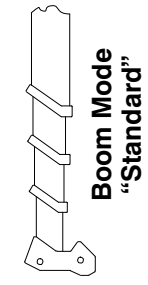
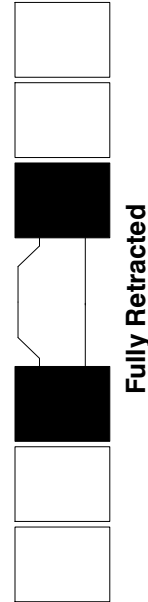
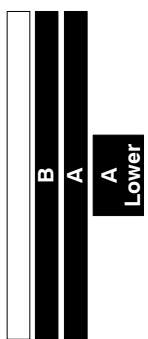


Main Boom Capacities — 12.19m—45.72m Boom

WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	60.0	51 900										
5	57.0	43 750										
6	50.5	32 800	60.0	23 800								
7	43.5	25 900	55.5	23 800								
8	35.0	21 050	50.5	21 500	58.5	21 750						
9	23.5	17 500	45.0	17 950	54.5	18 200	60.5	18 400				
10			38.5	15 250	50.0	15 500	57.0	15 650				
12			21.5	11 300	40.5	11 600	50.0	11 750	56.5	11 850	61.0	11 950
14					28.5	8 950	42.0	9 100	50.0	9 250	56.0	9 350
16							32.5	7 200	43.5	7 300	50.5	7 400
18							18.5	5 750	35.5	5 850	44.5	5 950
20									25.0	4 700	37.5	4 800
22											29.0	3 850
24											17.0	3 100
Min. Bm. Ang./Cap.	0.0	15 750	0.0	10 350	0.0	7 250	0.0	5 250	0.0	3 900	0.0	2 850
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



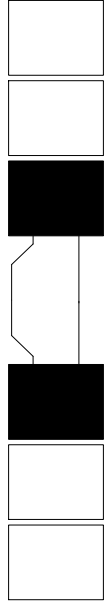
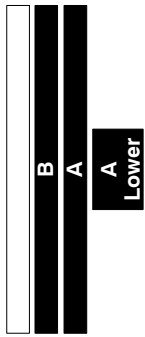
Main Boom Capacities – 12.19m–45.72m Boom



WARNING
Do Not Raise Boom Above 62° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

only

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	α°	(kg)	α°	(kg)	α°	(kg)	α°	(kg)	α°	(kg)	α°	(kg)
14	60.0	9 350										
16	55.5	7 450	59.5	7 500								
18	50.5	6 000	55.0	6 050	59.0	6 100						
20	45.0	4 850	50.5	4 900	55.0	4 950	58.5	5 000				
22	39.0	3 950	46.0	4 000	51.0	4 000	55.0	4 050	61.5	5 000		
24	32.0	3 200	40.5	3 250	46.5	3 250	51.0	3 300	55.0	3 300		
26	23.0	2 550	34.5	2 600	41.5	2 650	47.0	2 650	51.5	2 700		
28			27.0	2 050	36.0	2 100	42.5	2 100	47.5	2 150		
30			16.5	1 600	30.0	1 650	37.5	1 650	43.5	1 700		
32					22.0	1 250	32.0	1 250	39.0	1 300		
34					0.0		25.5	900	34.0	950		
Min. Bm. Ang./Cap.	0.0	2 050	0.0	1 400	0.0	900	24.5	0	33.0	0	39.0	0
Radius (m)	27.9		30.9		34.0		34.3		34.4		34.5	



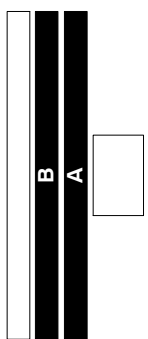
Main Boom Capacities — 12.19m—45.72m Boom



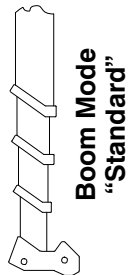
WARNING

Do Not Raise Boom Above 62° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.
Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
7	43.5	23 600										
8	35.0	19 100										
9	23.5	15 800	45.0	16 250								
10			38.5	13 750	50.0	14 000						
12			21.0	10 100	40.5	10 350	50.0	10 550				
14					28.5	7 950	42.0	8 100	50.0	8 250		
16							32.5	6 300	43.5	6 450	50.0	6 550
18							18.5	4 950	35.5	5 100	44.0	5 150
20									25.0	4 000	37.5	4 100
22											29.0	3 250
24											17.0	2 550
Min. Bm. Ang./Cap.	0.0	14 200	0.0	9 200	0.0	6 400	0.0	4 550	0.0	3 250	0.0	2 300
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



Fully Retracted

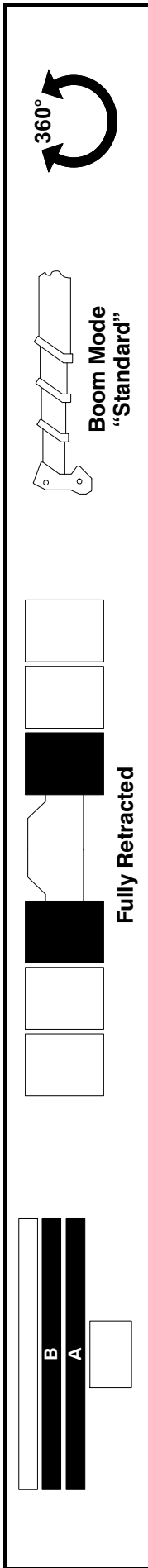


Boom Mode "Standard"

Main Boom Capacities – 12.19m–45.72m Boom



WARNING
Do Not Raise Boom Above 51° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.



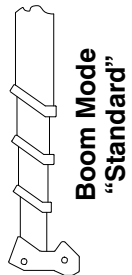
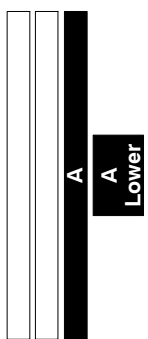
Main Boom Capacities — 12.19m—45.72m Boom

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
20	45.0	4 150										
22	39.0	3 300	45.5	3 350								
24	32.0	2 600	40.5	2 650	46.5	2 700						
26	23.0	2 050	34.5	2 100	41.5	2 100	47.0	2 150				
28			27.0	1 600	36.0	1 600	42.5	1 650	47.5	1 650		
30			16.5	1 150	30.0	1 200	37.5	1 200	43.5	1 250	48.0	1 250
32					21.5	800	32.0	850	39.0	850	44.0	900
Min. Bm. Ang./Cap.	0.0	1 550	0.0	1 000	20.5	0	31.0	0	38.0	0	43.0	0
Radius (m)	27.9		30.9		32.2		32.4		32.4		32.5	

WARNING

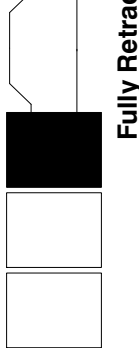
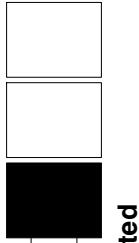
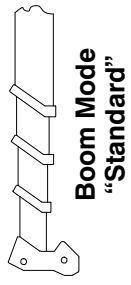
Do Not Raise Boom Above 51° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.
Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
	Fully Retracted		Fully Retracted		Fully Retracted		Fully Retracted		Fully Retracted		Fully Retracted	
3	68.0	86 850	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	64 100	70.5	23 800	74.5	23 550	77.0	23 550				
4	62.5	50 350	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	59.5	41 150	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	34 550	64.5	23 800	69.0	23 550	72.5	23 550	75.0	23 550	77.5	24 000
6	50.5	25 650	60.0	23 800	65.5	23 550	69.5	23 550	72.5	23 550	75.0	24 000
7	43.5	20 000	55.5	20 450	62.0	20 700	66.5	20 800	70.0	20 850	72.5	20 900
8	35.0	16 100	50.0	16 550	58.0	16 800	63.5	16 950	67.5	17 000	70.5	17 050
9	23.5	13 200	44.5	13 650	54.5	13 900	60.5	14 050	64.5	14 150	68.0	14 200
10			38.5	11 400	50.0	11 650	57.0	11 850	62.0	11 950	65.5	12 000
12			21.0	8 250	40.5	8 550	50.0	8 700	56.0	8 850	60.5	8 900
14					28.5	6 350	42.0	6 550	50.0	6 650	55.5	6 750
16							32.5	4 950	43.0	5 100	50.0	5 150
18							18.5	3 750	35.5	3 900	44.0	4 000
20									25.0	2 950	37.5	3 050
22											29.0	2 300
24											17.0	1 700
Min. Bm. Ang./Cap.	0.0	11 750	0.0	7 450	0.0	5 000	0.0	3 400	0.0	2 300	0.0	1 450
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8	



Main Boom Capacities – 12.19m–45.72m Boom

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	79.0	24 250										
6	77.0	24 250	78.5	25 400								
7	75.0	20 900	77.0	20 950								
8	73.0	17 100	75.0	17 100	76.5	17 100						
9	70.5	14 200	73.0	14 250	75.0	14 250	76.5	14 250				
10	68.5	12 000	71.0	12 050	73.0	12 050	75.0	12 050	78.0	14 250		
12	64.5	8 950	67.0	9 000	69.5	9 000	71.5	9 000	73.5	9 050	78.0	13 600
14	60.0	6 800	63.0	6 850	66.0	6 850	68.5	6 900	70.5	6 900	72.5	6 900
16	55.0	5 250	59.0	5 300	62.5	5 300	65.0	5 350	67.5	5 350	69.5	5 350
18	50.0	4 050	55.0	4 100	58.5	4 150	61.5	4 150	64.5	4 150	66.5	4 200
20	45.0	3 100	50.5	3 150	54.5	3 200	58.0	3 250	61.0	3 250	63.5	3 250
22	39.0	2 350	45.5	2 400	50.5	2 450	54.5	2 450	58.0	2 500	60.5	2 500
24	32.0	1 750	40.0	1 800	46.0	1 850	50.5	1 850	54.5	1 900	57.5	1 900
26	23.0	1 200	34.0	1 250	41.5	1 300	46.5	1 350	51.0	1 350	54.5	1 400
Min.Bm. Ang./Cap.	0.0	800	33.0	0	40.5	0	45.5	0	50.0	0	53.5	0
Radius (m)	27.9		26.3		26.4		26.5		26.6		26.7	

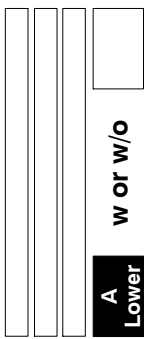


Main Boom Capacities — 12.19m—45.72m Boom

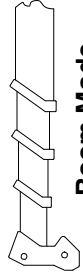
WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	53 300	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	38 850	70.5	23 800	74.0	23 550	77.0	23 550				
4	62.5	30 150	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	59.5	24 300	66.5	23 800	71.0	23 550	74.0	23 550	76.0	23 550	78.0	24 000
5	56.5	20 050	64.5	20 450	69.0	20 650	72.5	20 750	75.0	20 850	77.0	20 900
6	50.5	14 400	60.0	14 900	65.5	15 050	69.5	15 200	72.5	15 250	74.5	15 300
7	43.5	10 800	55.0	11 250	62.0	11 500	66.5	11 600	69.5	11 650	72.5	11 700
8	35.0	8 300	50.0	8 750	58.0	9 050	63.5	9 150	67.0	9 250	70.0	9 300
9	23.5	6 450	44.5	6 900	54.0	7 150	60.0	7 350	64.5	7 400	67.5	7 450
10			38.5	5 450	50.0	5 750	57.0	5 900	61.5	6 000	65.5	6 050
12			21.0	3 400	40.5	3 700	50.0	3 850	56.0	4 000	60.5	4 100
14					28.5	2 300	42.0	2 450	50.0	2 600	55.5	2 700
16							32.5	1 450	43.0	1 600	50.0	1 650
18									35.0	800	44.0	900
Min. Bm. Ang./Cap.	0.0	5 500	0.0	2 900	0.0	1 400	31.5	0	34.0	0	43.0	0
Radius (m)	9.6		12.6		15.7		16.2		18.3		18.3	



Fully Retracted



Boom Mode "Standard"

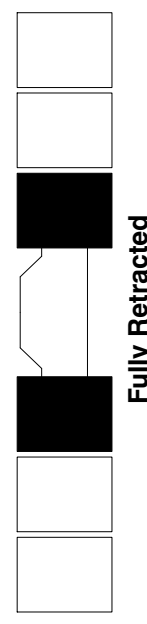
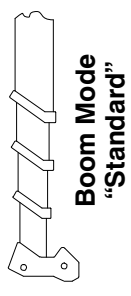


WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

only

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	24 250										
5	78.5	20 950										
6	76.5	15 350	78.0	15 400								
7	74.5	11 750	76.0	11 800								
8	72.5	9 350	74.0	9 350	76.0	9 300						
9	70.0	7 500	72.5	7 550	74.0	7 550	75.5	7 600				
10	68.0	6 100	70.5	6 150	72.5	6 150	74.0	6 200	77.0	7 600		
12	64.0	4 100	66.5	4 150	69.0	4 150	71.0	4 200	75.5	6 200		
14	59.5	2 750	63.0	2 800	65.5	2 800	67.5	2 800	69.5	2 800		
16	55.0	1 750	58.5	1 800	62.0	1 800	64.5	1 850	66.5	1 850		
18	50.0	950	54.5	1 000	58.0	1 050	61.0	1 100	63.5	1 100		
Min. Bm. Ang./Cap.	49.0	0	53.5	0	57.0	0	60.0	0	62.5	0	64.5	0
Radius (m)	18.4		18.5		18.5		18.6		18.7		18.7	



A
Lower
w or w/o

Main Boom Capacities — 12.19m—45.72m Boom

! WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

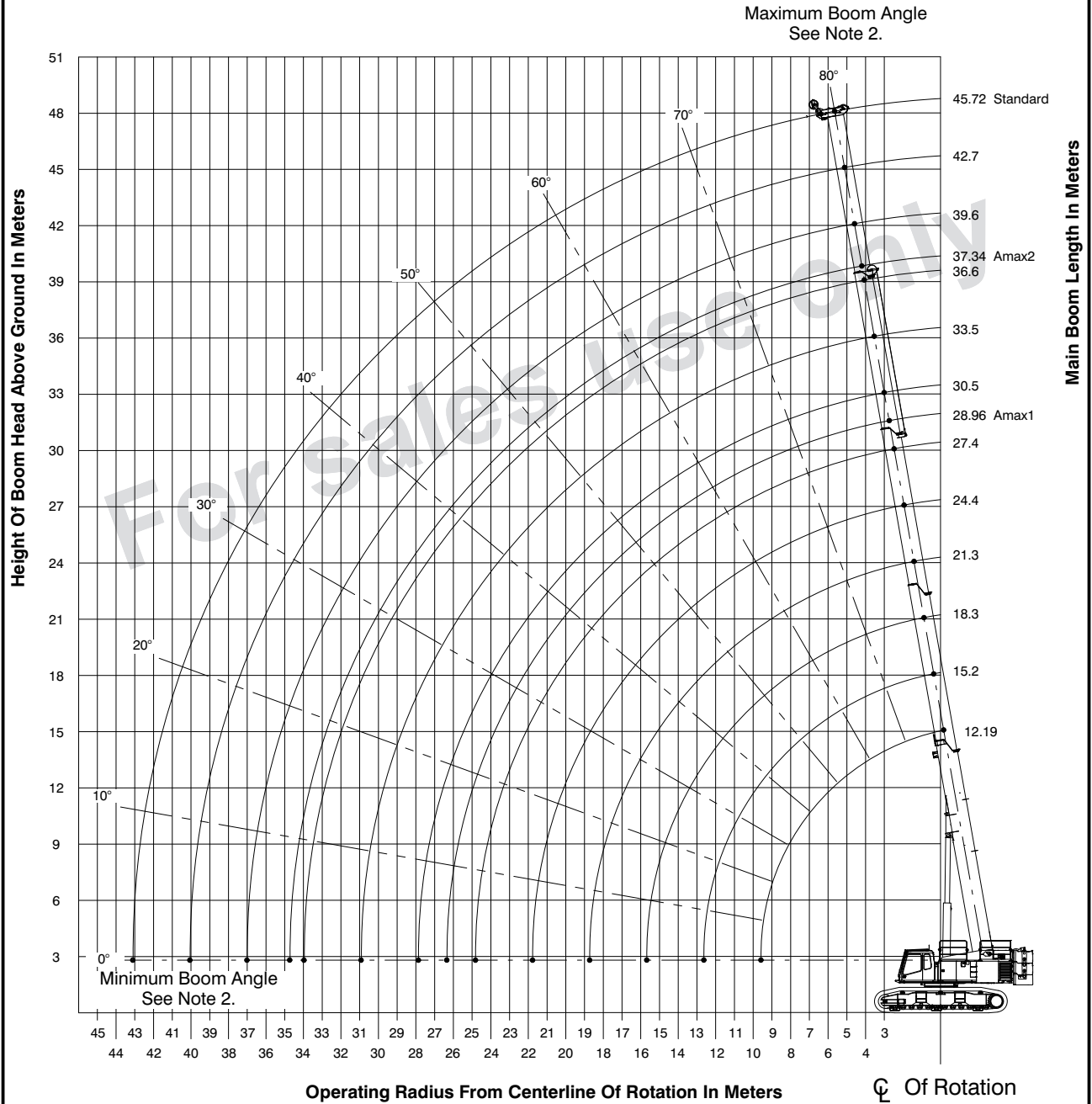
This Page Left Blank Intentionally

For sales use only

Not for crane operations

Working Range Diagram

Main Boom – Standard, “Amax1”, And “Amax2” Modes

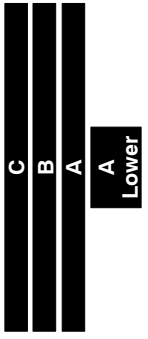


Notes:

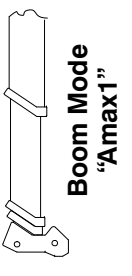
1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for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

Not for crane operations

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
	A Lower		A		A		A		A		A		A	
3	68.0	100 200	73.0	48 600	76.0	47 800	78.5	46 000						
3.5	65.5	91 800	71.0	48 600	74.5	47 800	77.0	46 000						
4	62.5	80 300	68.5	48 600	73.0	47 800	76.0	46 000	78.5	45 950				
4.5	60.0	71 400	66.5	48 600	71.0	47 800	74.5	46 000	77.0	44 200	79.0	37 100		
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	46 000	76.0	41 550	78.0	37 100		
6	50.5	53 500	60.0	48 600	66.0	47 800	70.5	46 000	73.5	37 050	76.0	33 550	77.0	29 850
7	43.5	45 900	55.5	48 600	62.5	47 800	67.5	42 400	71.0	33 300	73.5	30 250	75.0	29 050
8	35.5	40 100	50.5	44 950	59.0	44 800	64.5	38 400	68.5	30 150	71.5	27 400	73.0	26 300
9	24.0	35 150	45.0	39 350	55.0	39 200	61.0	35 050	65.5	27 550	69.0	25 000	70.5	24 000
10			39.0	34 850	50.5	34 750	58.0	32 100	63.0	25 200	67.0	22 900	68.5	22 000
12			21.5	27 900	41.0	27 850	51.0	27 450	57.5	21 450	62.0	19 450	64.0	18 700
14					29.0	21 750	43.0	21 700	51.0	18 550	57.0	16 750	59.5	16 100
16							33.5	17 500	44.5	16 150	51.5	14 600	54.5	13 950
18							19.0	14 400	36.5	14 200	45.5	12 800	49.0	12 250
20									26.0	12 000	38.5	11 250	43.0	10 800
22											30.5	10 000	36.0	9 550
24											18.5	8 650	27.5	8 400
26													13.5	7 350
Min.Bm. Ang./Cap.	0.0	26 050	0.0	19 500	0.0	15 150	0.0	11 850	0.0	9 300	0.0	7 350	0.0	6 550
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	



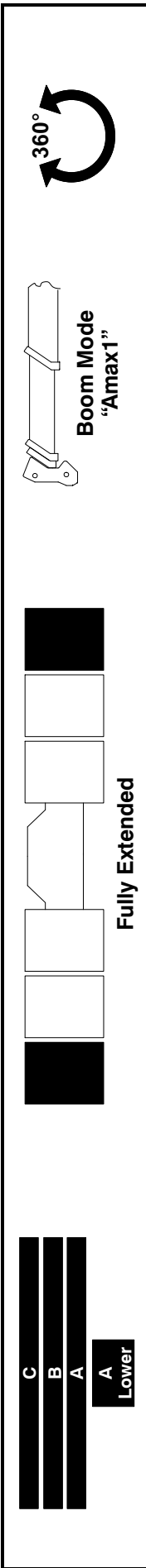
Fully Extended



Boom Mode "Amax1"



Over Front Blocked

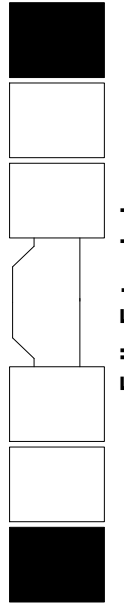
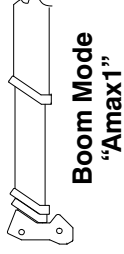


Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	73.0	48 600	76.0	47 800	78.5	46 000						
3.5	65.5	91 800	71.0	48 600	74.5	47 800	77.0	46 000						
4	62.5	80 300	68.5	48 600	73.0	47 800	76.0	46 000	78.5	45 950				
4.5	60.0	71 400	66.5	48 600	71.0	47 800	74.5	46 000	77.0	44 200	79.0	37 100		
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	46 000	76.0	41 550	78.0	37 100		
6	50.5	53 500	60.0	48 600	66.0	47 800	70.5	46 000	73.5	37 050	76.0	33 550	77.0	29 850
7	43.5	45 900	55.5	48 600	62.5	47 800	67.5	42 400	71.0	33 300	73.5	30 250	75.0	29 050
8	35.5	40 100	50.5	41 650	59.0	41 350	64.5	38 400	68.5	30 150	71.5	27 400	73.0	26 300
9	24.0	34 600	45.0	34 450	55.0	34 300	61.0	34 100	65.5	27 550	69.0	25 000	70.5	24 000
10			39.0	29 150	50.5	29 000	58.0	28 850	63.0	25 200	67.0	22 900	68.5	22 000
12			21.5	21 850	41.0	21 800	50.5	21 700	57.5	21 450	62.0	19 450	64.0	18 700
14					29.0	17 050	43.0	17 000	51.0	16 950	57.0	16 750	59.5	16 100
16							33.0	13 650	44.0	13 600	51.5	13 550	54.5	13 500
18							19.0	11 150	36.0	11 100	45.5	11 050	49.0	11 050
20									26.0	9 200	38.5	9 200	42.5	9 150
22											30.0	7 650	36.0	7 650
24											18.0	6 400	27.0	6 400
26													13.0	5 350
Min.Bm. Ang./Cap.	0.0	26 050	0.0	19 500	0.0	14 150	0.0	10 400	0.0	7 800	0.0	5 950	0.0	5 200
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	

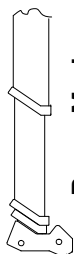
Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
	Fully Extended		Fully Extended		Fully Extended		Fully Extended		Fully Extended		Fully Extended		Fully Extended	
3	68.0	100 200	73.0	48 600										
3.5	65.5	91 800	71.0	48 600	74.5	47 800								
4	62.5	80 300	68.5	48 600	73.0	47 800								
4.5	60.0	71 400	66.5	48 600	71.0	47 800	74.5	46 000						
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	46 000						
6	50.5	53 500	60.0	48 600	66.0	47 800	70.5	46 000	73.5	37 050				
7	43.5	45 900	55.5	47 350	62.5	47 050	67.5	42 400	71.0	33 300	73.5	30 250	75.0	29 050
8	35.5	38 050	50.5	37 900	58.5	37 650	64.5	37 450	68.5	30 150	71.5	27 400	73.0	26 300
9	24.0	31 400	45.0	31 300	54.5	31 100	61.0	30 900	65.5	27 550	69.0	25 000	70.5	24 000
10			39.0	26 400	50.5	26 300	57.5	26 150	63.0	25 200	67.0	22 900	68.5	22 000
12			21.5	19 700	41.0	19 600	50.5	19 550	57.0	19 400	62.0	19 300	64.0	18 700
14					29.0	15 250	42.5	15 200	51.0	15 150	57.0	15 050	59.0	15 000
16							33.0	12 100	44.0	12 050	51.0	12 000	54.0	12 000
18							19.0	9 800	36.0	9 750	45.0	9 700	48.5	9 700
20									25.5	8 050	38.5	8 000	42.5	8 000
22											30.0	6 600	35.5	6 600
24											18.0	5 450	27.0	5 450
26													13.0	4 500
Min.Bm. Ang./Cap.	0.0	26 050	0.0	18 100	0.0	12 550	0.0	9 100	0.0	6 750	0.0	5 000	0.0	4 300
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	

WARNING

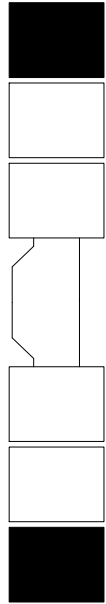
Do Not Raise Boom Above 76° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.



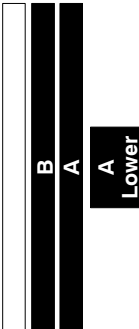
Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	73.0	48 600	76.0	47 800	78.5	46 000						
3.5	65.5	91 800	71.0	48 600	74.5	47 800	77.0	46 000						
4	62.5	80 300	68.5	48 600	73.0	47 800	76.0	46 000	78.5	46 150				
4.5	60.0	71 400	66.5	48 600	71.0	47 800	74.5	46 000	77.0	44 200				
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	46 000	76.0	41 550				
6	50.5	53 500	60.0	48 600	66.0	47 800	70.5	46 000	73.5	37 050				
7	43.5	43 950	55.5	43 700	62.5	43 350	67.5	42 400	71.0	33 300				29 850
8	35.0	35 050	50.5	34 900	58.5	34 650	64.0	34 450	68.5	30 150				29 050
9	24.0	28 850	45.0	28 700	54.5	28 550	61.0	28 350	65.5	27 550				26 300
10			39.0	24 200	50.5	24 100	57.5	23 950	63.0	23 800				22 000
12			21.5	17 950	41.0	17 900	50.5	17 800	57.0	17 700				17 550
14					29.0	13 800	42.5	13 750	51.0	13 700				13 550
16							33.0	10 850	44.0	10 800				10 750
18							19.0	8 750	36.0	8 750				8 700
20									25.5	7 050				7 050
22														5 700
24														4 650
26														3 750
Min.Bm. Ang./Cap.	0.0	26 000	0.0	16 450	0.0	11 300	0.0	8 100	0.0	5 850				3 600
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	



Boom Mode "Amax1"



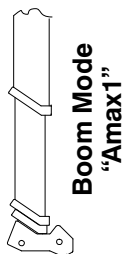
Fully Extended



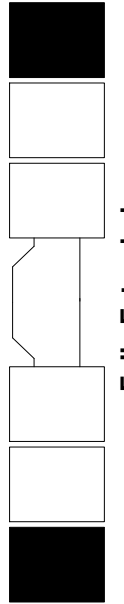
Lower

Main Boom Capacities – 12.19m–28.96m Boom

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	73.0	48 600	76.0	47 800	78.5	46 000						
3.5	65.5	91 800	71.0	48 600	74.5	47 800	77.0	46 000						
4	62.5	80 300	68.5	48 600	73.0	47 800	76.0	46 000	78.5	46 150				
4.5	60.0	71 400	66.5	48 600	71.0	47 800	74.5	46 000	77.0	44 200	79.0	37 100		
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	46 000	76.0	41 550	78.0	37 100		
6	50.5	52 050	60.0	48 600	66.0	47 800	70.5	46 000	73.5	37 050	76.0	33 550	77.0	29 850
7	43.5	39 400	55.5	39 150	62.5	38 800	67.5	38 600	71.0	33 300	73.5	30 250	75.0	29 050
8	35.0	31 350	50.5	31 150	58.5	30 900	64.0	30 700	68.5	30 150	71.5	27 400	73.0	26 300
9	24.0	25 700	45.0	25 600	54.5	25 450	61.0	25 250	65.5	25 100	69.0	24 950	70.5	24 000
10			38.5	21 450	50.5	21 350	57.5	21 200	62.5	21 050	66.5	20 900	68.5	20 850
12			21.5	15 800	41.0	15 700	50.5	15 650	57.0	15 550	61.5	15 450	63.5	15 400
14			28.5	12 000	28.5	12 000	42.5	11 950	50.5	11 900	56.5	11 800	59.0	11 750
16							33.0	9 350	44.0	9 350	51.0	9 300	53.5	9 250
18							19.0	7 400	36.0	7 400	45.0	7 350	48.5	7 350
20								5 900	25.5	5 900	38.0	5 850	42.5	5 850
22											30.0	4 650	35.5	4 650
24											17.5	3 700	27.0	3 700
26													12.5	2 900
Min.Bm. Ang./Cap.	0.0	23 100	0.0	14 400	0.0	9 750	0.0	6 800	0.0	4 800	0.0	3 350	0.0	2 750
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	



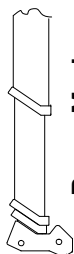
Boom Mode "Amax1"



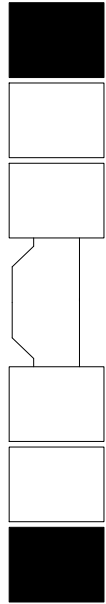
Fully Extended

Main Boom Capacities – 12.19m–28.96m Boom

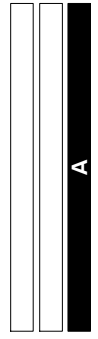
Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m		
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	
	A		A		A		A		A		A		A		
3	68.0	100 200	73.0	48 600	76.0	47 800	78.5	46 000							
3.5	65.5	90 600	71.0	48 600	74.5	47 800	77.0	46 000							
4	62.5	79 450	68.5	48 600	73.0	47 800	76.0	46 000	78.5	45 950					
4.5	60.0	70 550	66.5	48 600	71.0	47 800	74.5	46 000	77.0	44 200					
5	57.0	63 350	64.5	48 600	69.5	47 800	73.0	46 000	76.0	41 550					
6	50.5	47 300	60.0	46 850	66.0	46 500	70.5	46 000	73.5	37 050			77.0	29 850	
7	43.5	35 750	55.5	35 500	62.5	35 200	67.0	34 950	71.0	33 300			73.5	30 250	
8	35.0	28 350	50.5	28 200	58.5	27 950	64.0	27 750	68.0	27 550			71.5	27 400	
9	23.5	23 150	45.0	23 050	54.5	22 850	61.0	22 700	65.5	22 550			69.0	22 400	
10			38.5	19 250	50.5	19 150	57.5	18 950	62.5	18 800			66.5	18 750	
12			21.5	14 050	41.0	13 950	50.5	13 900	57.0	13 800			61.5	13 700	
14					28.5	10 550	42.5	10 500	50.5	10 450			56.5	10 350	
16							33.0	8 150	43.5	8 100			51.0	8 050	
18							18.5	6 350	36.0	6 300			45.0	6 300	
20									25.5	4 950			38.0	4 900	
22													29.5	3 800	
24													17.5	2 900	
26														12.5	2 150
Min.Bm. Ang./Cap.	0.0	20 750	0.0	12 750	0.0	8 450	0.0	5 800	0.0	3 950	0.0	2 600	0.0	2 050	
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4		



Boom Mode "Amax1"

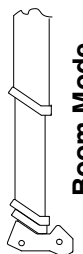


Fully Extended

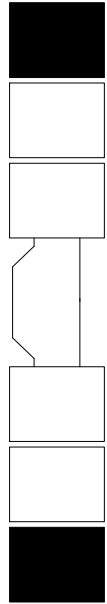


Lower

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
	A Lower		w or w/o		Fully Extended		Fully Extended		Fully Extended		Fully Extended		Fully Extended	
3	68.0	94 700	73.0	48 600	76.0	47 800	78.5	46 000						
3.5	65.5	81 600	71.0	48 600	74.5	47 800	77.0	46 000						
4	62.5	71 450	68.5	48 600	73.0	47 800	76.0	46 000	78.5	45 950				
4.5	60.0	53 850	66.5	48 600	71.0	47 800	74.5	46 000	77.0	44 200	79.0	37 100		
5	57.0	42 400	64.5	41 800	69.5	41 400	73.0	41 050	76.0	40 850	78.0	37 100		
6	50.5	29 100	60.0	28 650	66.0	28 300	70.0	28 100	73.0	27 900	75.5	27 750	76.5	27 650
7	43.5	21 500	55.5	21 250	62.0	20 950	67.0	20 750	70.5	20 550	73.0	20 450	74.5	20 350
8	35.0	16 650	50.5	16 500	58.5	16 300	63.5	16 100	67.5	15 950	70.5	15 800	72.0	15 750
9	23.5	13 250	45.0	13 150	54.5	13 000	60.5	12 800	65.0	12 650	68.5	12 550	69.5	12 500
10			38.5	10 650	50.0	10 550	57.0	10 400	62.0	10 250	66.0	10 150	67.5	10 100
12			21.0	7 250	40.5	7 200	50.0	7 150	56.5	7 050	61.0	6 950	63.0	6 900
14					28.5	4 950	42.0	4 900	50.0	4 850	56.0	4 800	58.0	4 750
16							32.5	3 350	43.5	3 300	50.5	3 250	53.0	3 250
18							18.5	2 150	35.5	2 150	44.5	2 100	47.5	2 100
20								1 250	25.0	1 250	37.5	1 200	41.5	1 200
Min.Bm. Ang./Cap.	0.0	11 650	0.0	6 400	0.0	3 550	0.0	1 800	24.0	0	36.5	0	40.5	0
Radius (m)	9.6		12.6		15.7		18.7		20.2		20.2		20.2	20.3



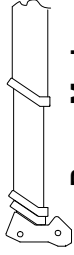
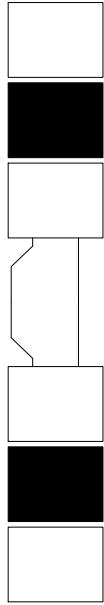
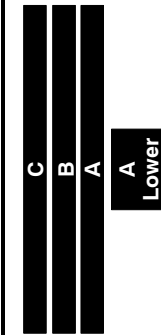
Boom Mode "Amax1"



Fully Extended

WARNING

Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.



Main Boom Capacities — 12.19m—28.96m Boom

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	73.0	48 600										
3.5	65.5	91 800	71.0	48 600										
4	62.5	80 300	68.5	48 600	73.0	47 800								
4.5	60.0	71 400	66.5	48 600	71.0	47 800								
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	46 000						
6	50.5	53 500	60.0	48 600	66.0	47 800	70.5	46 000	73.5	37 050				
7	43.5	43 600	55.5	43 400	62.5	43 150	67.5	42 400	71.0	33 300	73.5	30 250		
8	35.0	35 350	50.5	35 200	58.5	35 000	64.0	34 800	68.5	30 150	71.5	27 400	73.0	26 300
9	24.0	29 450	45.0	29 300	54.5	29 150	61.0	29 000	65.5	27 550	69.0	25 000	70.5	24 000
10			39.0	24 900	50.5	24 800	57.5	24 700	63.0	24 550	67.0	22 900	68.5	22 000
12			21.5	18 750	41.0	18 700	50.5	18 650	57.0	18 550	62.0	18 450	64.0	18 400
14					29.0	14 600	42.5	14 550	51.0	14 500	56.5	14 450	59.0	14 400
16							33.0	11 650	44.0	11 600	51.0	11 550	54.0	11 500
18							19.0	9 450	36.0	9 400	45.0	9 350	48.5	9 400
20									25.5	7 750	38.5	7 700	42.5	7 700
22											30.0	6 350	35.5	6 350
24											18.0	5 250	27.0	5 250
26													13.0	4 300
Min.Bm. Ang./Cap.	0.0	26 050	0.0	17 250	0.0	12 050	0.0	8 800	0.0	6 500	0.0	4 850	0.0	4 150
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	



WARNING

Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

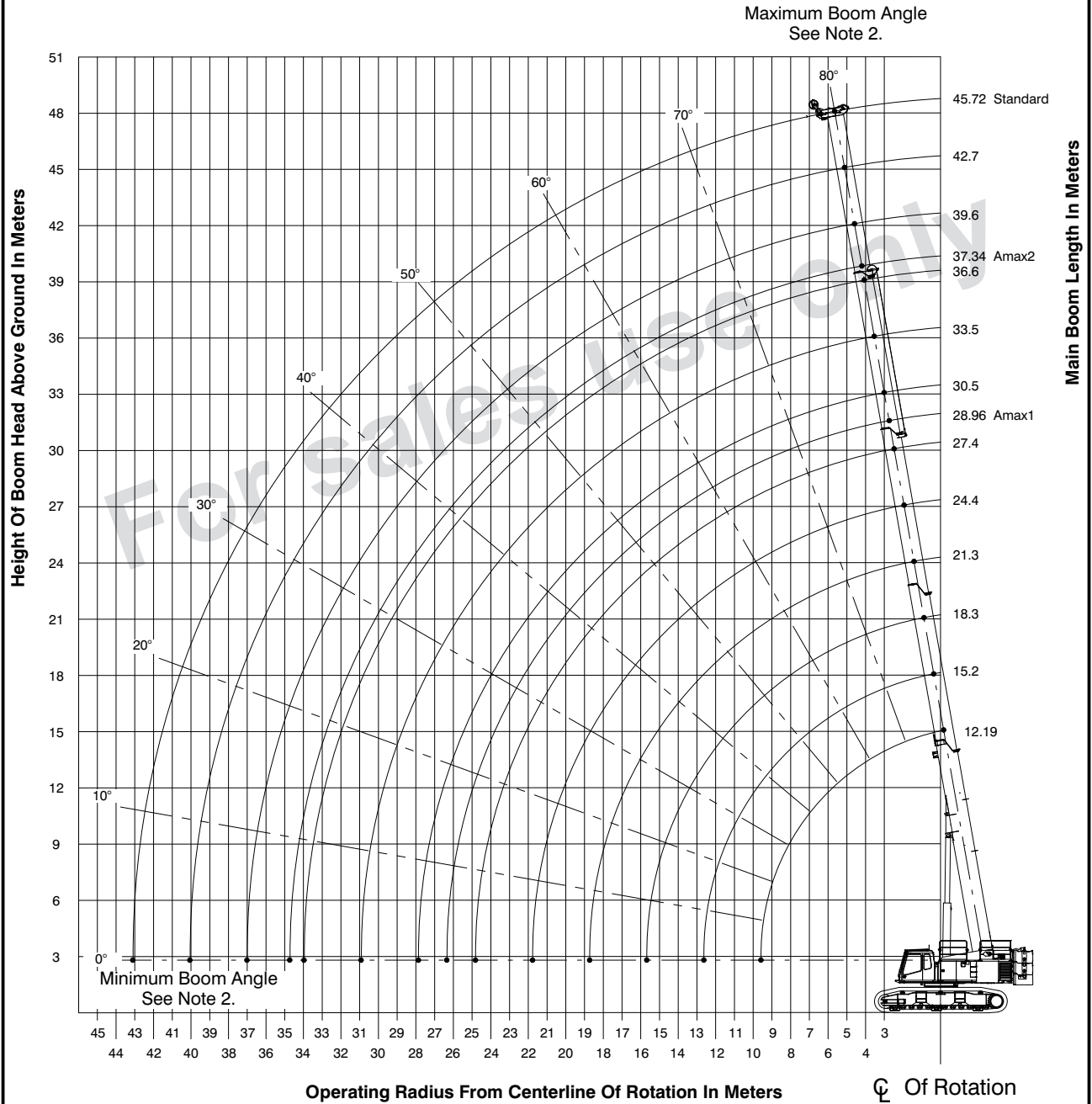
This Page Left Blank Intentionally

For sales use only

Not for crane operations

Working Range Diagram

Main Boom – Standard, “Amax1”, And “Amax2” Modes

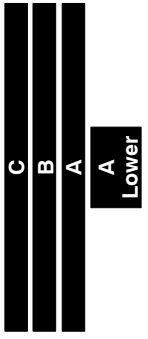


Notes:

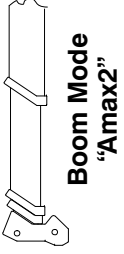
1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for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

Not for crane operations

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.5	24 100
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.5	24 100
7	43.5	45 900	55.5	23 800	62.5	23 550	67.5	23 550	71.0	24 100
8	35.5	40 100	50.5	23 800	58.5	23 550	64.0	23 550	68.5	24 100
9	24.0	35 150	45.0	23 800	54.5	23 550	61.0	23 550	65.5	24 100
10			39.0	23 800	50.5	23 550	57.5	23 550	63.0	24 100
12			21.5	23 800	41.0	23 550	50.5	23 550	57.0	24 100
14					29.0	23 150	42.5	23 450	51.0	23 650
16							33.0	19 200	44.0	19 400
18							19.0	16 100	36.0	16 300
20							0.0	9 450	26.0	13 900
Min.Bm. Ang./Cap.	0.0	26 050	0.0	17 150	0.0	12 350	0.0	9 450	0.0	7 450
Radius (m)	9.6		12.6		15.7		18.7		21.8	



Fully Extended



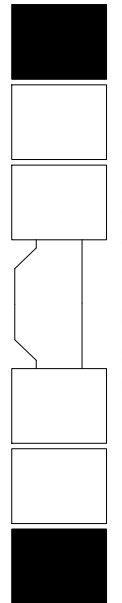
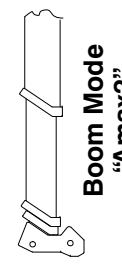
Boom Mode "Amax2"



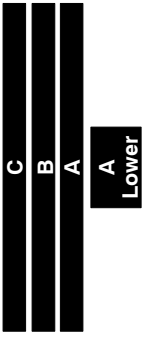
Over Front Blocked

Not for crane operations

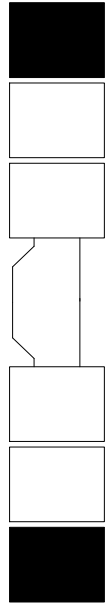
Load Radius (m)	27.4m			30.5m			33.5m			37.34m		
	Δ°	(kg)	Δ°	Δ°	(kg)	Δ°	Δ°	(kg)	Δ°	(kg)	Δ°	(kg)
	Fully Extended											
4:5	78.0	24 900	80.0	25 600	79.0	24 800	77.0	24 800	77.0	24 800	77.0	17 200
5	77.5	24 900	79.5	25 600	79.0	22 750	75.5	22 750	76.0	20 950	74.5	17 200
6	75.5	24 900	77.5	25 600	75.5	25 600	73.5	22 800	72.0	19 400	71.0	15 400
7	73.5	24 900	75.5	25 600	73.5	24 750	71.5	22 800	69.5	21 100	68.0	15 400
8	71.0	24 900	73.5	24 750	71.5	22 800	69.5	21 100	65.0	18 300	64.5	13 500
9	69.0	24 900	71.5	22 800	69.5	21 100	65.0	18 300	61.0	16 100	60.5	12 000
10	66.5	24 700	69.5	21 100	66.5	16 900	61.0	16 100	56.5	14 350	56.0	10 750
12	61.5	21 450	65.0	18 300	56.5	16 900	51.5	12 850	46.0	11 650	47.0	9 650
14	56.5	18 950	61.0	16 100	51.5	15 200	46.0	11 650	40.0	10 600	41.5	8 750
16	51.0	16 900	56.5	14 350	40.0	12 150	33.0	9 700	33.0	9 700	44.5	7 300
18	45.0	15 200	51.5	12 850	33.0	9 700	24.0	8 900	28.0	7 450	39.0	6 700
20	38.5	13 800	46.0	11 650	24.0	8 900	17.5	6 900	17.5	6 900	33.5	6 150
22	30.0	12 150	40.0	10 600	17.5	6 900	15.5	5 250	15.5	5 250	26.5	5 700
24	18.0	10 600	33.0	9 700	15.5	5 250	0.0	4 050	0.0	4 050	15.5	5 250
26			24.0	8 900	0.0	4 900	0.0	4 900	0.0	4 900	0.0	3 200
28												
30												
32												
34												
Min. Bm. Ang./Cap.	0.0	6 000	0.0	4 900	0.0	4 900	0.0	4 900	0.0	4 050	0.0	3 200
Radius (m)		24.8		27.9		30.9		34.7				



Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
	Fully Extended		Fully Extended		Fully Extended		Fully Extended		Fully Extended	
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.5	24 100
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.5	24 100
7	43.5	45 900	55.5	23 800	62.5	23 550	67.5	23 550	71.0	24 100
8	35.5	40 100	50.5	23 800	58.5	23 550	64.0	23 550	68.5	24 100
9	24.0	34 600	45.0	23 800	54.5	23 550	61.0	23 550	65.5	24 100
10			39.0	23 800	50.5	23 550	57.5	23 550	63.0	24 100
12			21.5	22 750	41.0	23 200	50.5	23 500	57.0	23 650
14					29.0	18 400	42.5	18 700	50.5	18 850
16							33.0	15 300	44.0	15 500
18							19.0	12 750	36.0	12 950
20									25.5	11 000
Min.Bm. Ang./Cap.	0.0	26 050	0.0	17 150	0.0	12 350	0.0	9 450	0.0	7 450
Radius (m)	9.6		12.6		15.7		18.7		21.8	



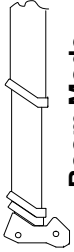
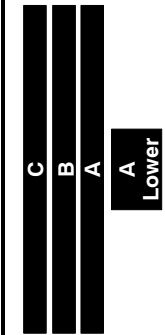
Fully Extended



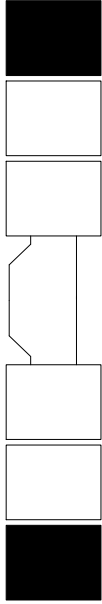
Boom Mode "Amax2"



Not for crane operations



Boom Mode
"Amax2"

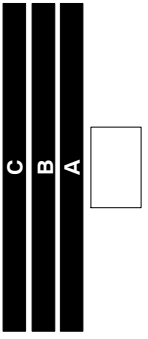


Fully Extended

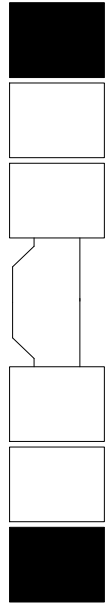
Main Boom Capacities — 12.19m—37.34m Boom

Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	78.0	24 900	80.0	25 600				
5	77.5	24 900	79.5	25 600				
6	75.5	24 900	77.5	25 600	79.0	24 850		
7	73.5	24 900	75.5	25 600	77.5	24 800		
8	71.0	24 900	73.5	24 750	75.5	22 750	77.0	17 200
9	69.0	24 900	71.5	22 800	73.5	20 950	76.0	17 200
10	66.5	24 700	69.5	21 100	72.0	19 400	74.5	17 200
12	61.5	21 450	65.0	18 300	68.0	16 850	71.0	15 400
14	56.5	18 950	61.0	16 100	64.5	14 800	68.0	13 500
16	51.0	15 650	56.5	14 350	60.5	13 150	64.5	12 000
18	45.0	13 100	51.5	12 850	56.0	11 750	61.0	10 750
20	38.0	11 150	46.0	11 250	51.5	10 650	57.0	9 650
22	30.0	9 600	40.0	9 700	47.0	9 650	53.0	8 750
24	17.5	8 350	33.0	8 450	41.5	8 550	49.0	7 950
26			24.0	7 400	35.5	7 500	44.5	7 300
28					28.0	6 600	39.0	6 700
30					17.5	5 850	33.5	5 950
32							26.0	5 300
34							15.5	4 700
Min.Bm. Ang./Cap.	0.0	6 000	0.0	4 900	0.0	4 050	0.0	3 200
Radius (m)	24.8	27.9	30.9	34.7				

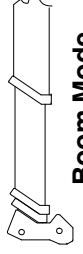
Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800						
3.5	65.5	91 800	70.5	23 800	74.5	23 550				
4	62.5	80 300	68.5	23 800	72.5	23 550				
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550		
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550		
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.5	24 100
7	43.5	45 900	55.5	23 800	62.5	23 550	67.0	23 550	71.0	24 100
8	35.5	38 050	50.5	23 800	58.5	23 550	64.0	23 550	68.0	24 100
9	24.0	31 400	45.0	23 800	54.5	23 550	61.0	23 550	65.5	24 100
10			39.0	23 800	50.5	23 550	57.5	23 550	62.5	24 100
12			21.5	20 550	41.0	21 000	50.5	21 300	57.0	21 500
14					28.5	16 600	42.5	16 900	50.5	17 100
16							33.0	13 750	44.0	13 950
18							18.5	11 400	36.0	11 600
20									25.5	9 800
Min.Bm. Ang./Cap.	0.0	26 050	0.0	17 150	0.0	12 350	0.0	9 450	0.0	7 450
Radius (m)	9.6		12.6		15.7		18.7		21.8	



Fully Extended



Boom Mode "Amax2"

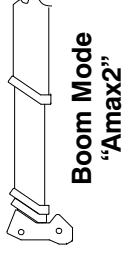
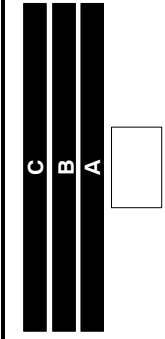


Main Boom Capacities – 12.19m–37.34m Boom

WARNING

Do Not Raise Boom Above 76° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

only



Fully Extended

Main Boom Capacities — 12.19m—37.34m Boom

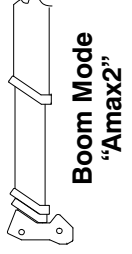
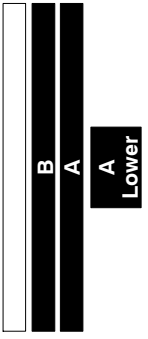
Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
7	73.5	24 900						
8	71.0	24 900	73.5	24 750				
9	69.0	24 900	71.5	22 800	73.5	20 950		
10	66.5	24 700	69.5	21 100	72.0	19 400	74.5	17 200
12	61.5	21 450	65.0	18 300	68.0	16 850	71.0	15 400
14	56.5	17 250	61.0	16 100	64.5	14 800	68.0	13 500
16	51.0	14 100	56.0	14 200	60.5	13 150	64.5	12 000
18	45.0	11 750	51.0	11 900	56.0	11 750	61.0	10 750
20	38.0	9 950	46.0	10 050	51.5	10 150	57.0	9 650
22	29.5	8 550	40.0	8 700	46.5	8 750	53.0	8 750
24	17.5	7 400	33.0	7 500	41.5	7 600	49.0	7 700
26			23.5	6 550	35.0	6 600	44.0	6 700
28					28.0	5 800	39.0	5 900
30					17.0	5 100	33.0	5 200
32							26.0	4 600
34							15.5	4 050
Min.Bm. Ang./Cap.	0.0	6 000	0.0	4 900	0.0	4 050	0.0	3 200
Radius (m)	24.8		27.9		30.9		34.7	



WARNING

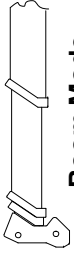
Do Not Raise Boom Above 76° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.5	24 100
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.5	24 100
7	43.5	43 950	55.5	23 800	62.5	23 550	67.0	23 550	71.0	24 100
8	35.0	35 050	50.5	23 800	58.5	23 550	64.0	23 550	68.0	24 100
9	24.0	28 850	45.0	23 800	54.5	23 550	61.0	23 550	65.5	24 100
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	24 100
12			21.5	18 800	41.0	19 250	50.5	19 550	56.5	19 750
14					28.5	15 150	42.5	15 450	50.5	15 650
16							33.0	12 500	43.5	12 700
18							18.5	10 350	35.5	10 550
20									25.5	8 900
Min.Bm. Ang./Cap.	0.0	26 000	0.0	17 150	0.0	12 350	0.0	9 450	0.0	7 450
Radius (m)	9.6		12.6		15.7		18.7		21.8	

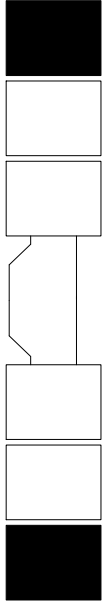


Not for crane operations

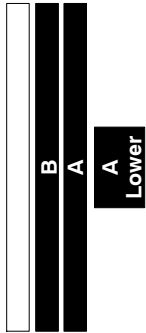
Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	Δ°	(kg)	Δ°	(kg)	Δ°	(kg)	Δ°	(kg)
4.5	78.0	24 900	80.0	25 600				
5	77.5	24 900	79.5	25 600				
6	75.5	24 900	77.5	25 600	79.0	24 850		
7	73.5	24 900	75.5	25 600	77.5	24 800		
8	71.0	24 900	73.5	24 750	75.5	22 750	77.0	17 200
9	69.0	24 900	71.5	22 800	73.5	20 950	76.0	17 200
10	66.5	24 700	69.5	21 100	72.0	19 400	74.5	17 200
12	61.5	19 850	65.0	18 300	68.0	16 850	71.0	15 400
14	56.5	15 800	61.0	15 850	64.5	14 800	68.0	13 500
16	51.0	12 850	56.0	12 950	60.5	13 050	64.5	12 000
18	44.5	10 700	51.0	10 800	56.0	10 850	61.0	10 750
20	38.0	9 050	45.5	9 150	51.5	9 250	57.0	9 350
22	29.5	7 700	39.5	7 800	46.5	7 900	53.0	8 000
24	17.5	6 600	32.5	6 750	41.0	6 800	48.5	6 900
26			23.5	5 800	35.0	5 900	44.0	6 000
28					27.5	5 150	39.0	5 250
30					17.0	4 500	33.0	4 550
32							26.0	4 000
34							15.0	3 550
Min.Bm. Ang./Cap.	0.0	6 000	0.0	4 900	0.0	4 050	0.0	3 200
Radius (m)	24.8	27.9	30.9	34.7				



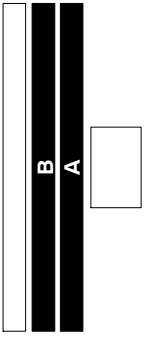
Boom Mode "Amax2"



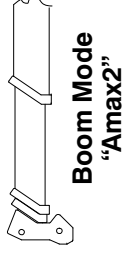
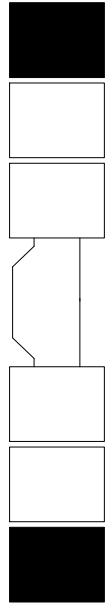
Fully Extended



Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.5	24 100
6	50.5	52 050	60.0	23 800	66.0	23 550	70.0	23 550	73.5	24 100
7	43.5	39 400	55.5	23 800	62.5	23 550	67.0	23 550	70.5	24 100
8	35.0	31 350	50.5	23 800	58.5	23 550	64.0	23 550	68.0	24 100
9	24.0	25 700	45.0	23 800	54.5	23 550	60.5	23 550	65.0	24 100
10			38.5	22 350	50.5	22 850	57.5	23 100	62.5	23 250
12			21.5	16 650	41.0	17 100	50.5	17 450	56.5	17 600
14					28.5	13 350	42.5	13 650	50.5	13 850
16							33.0	11 000	43.5	11 200
18							18.5	9 050	35.5	9 250
20									25.5	7 700
Min.Bm. Ang./Cap.	0.0	23 100	0.0	15 300	0.0	11 050	0.0	8 400	0.0	6 600
Radius (m)	9.6		12.6		15.7		18.7		21.8	



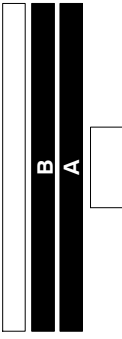
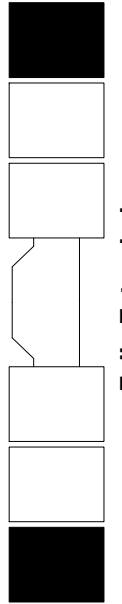
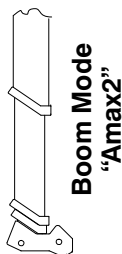
Fully Extended



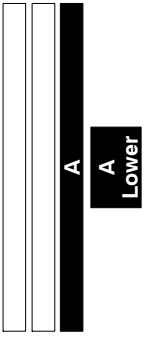
Main Boom Capacities – 12.19m–37.34m Boom

Not for crane operations

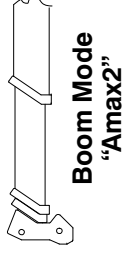
Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	Δ°	(kg)	Δ°	(kg)	Δ°	(kg)	Δ°	(kg)
	Fully Extended		Fully Extended		Fully Extended		Fully Extended	
4:5	78.0	24 900	80.0	25 600				
5	77.5	24 900	79.5	25 600				
6	75.5	24 900	77.5	25 600	79.0	24 850		
7	73.5	24 900	75.5	25 600	77.5	24 800		
8	71.0	24 900	73.5	24 750	75.5	22 750	77.0	17 200
9	69.0	24 900	71.5	22 800	73.5	20 950	76.0	17 200
10	66.5	23 400	69.5	21 100	72.0	19 400	74.5	17 200
12	61.5	17 700	65.0	17 800	68.0	16 850	71.0	15 400
14	56.0	14 000	60.5	14 050	64.5	14 150	68.0	13 500
16	50.5	11 350	56.0	11 450	60.0	11 500	64.5	11 550
18	44.5	9 400	51.0	9 450	55.5	9 550	60.5	9 600
20	38.0	7 850	45.5	8 000	51.0	8 100	56.5	8 150
22	29.5	6 650	39.5	6 750	46.5	6 850	52.5	6 950
24	17.5	5 650	32.5	5 750	41.0	5 850	48.5	5 950
26			23.5	4 950	35.0	5 050	43.5	5 100
28					27.5	4 350	38.5	4 400
30					17.0	3 750	32.5	3 800
32							25.5	3 300
34							15.0	2 850
Min.Bm. Ang./Cap.	0.0	5 300	0.0	4 300	0.0	3 500	0.0	2 750
Radius (m)	24.8		27.9		30.9		34.7	



Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	90 600	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	79 450	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	70 550	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	63 350	64.5	23 800	69.5	23 550	73.0	23 550	75.5	24 100
6	50.5	47 300	60.0	23 800	66.0	23 550	70.0	23 550	73.5	24 100
7	43.5	35 750	55.5	23 800	62.5	23 550	67.0	23 550	70.5	24 100
8	35.0	28 350	50.5	23 800	58.5	23 550	64.0	23 550	68.0	24 100
9	23.5	23 150	45.0	23 800	54.5	23 550	60.5	23 550	65.0	24 100
10			38.5	20 150	50.5	20 600	57.5	20 850	62.5	21 050
12			21.5	14 900	41.0	15 350	50.5	15 650	56.5	15 850
14					28.5	11 900	42.5	12 200	50.5	12 400
16							32.5	9 750	43.5	9 950
18							18.5	7 950	35.5	8 150
20									25.5	6 750
Min.Bm. Ang./Cap.	0.0	20 750	0.0	13 600	0.0	9 800	0.0	7 400	0.0	5 750
Radius (m)	9.6		12.6		15.7		18.7		21.8	



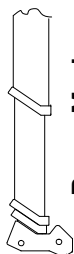
Fully Extended



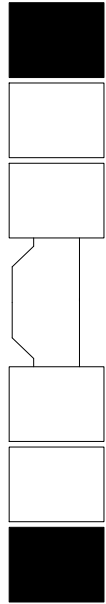
Boom Mode "Amax2"



Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	Δ °	(kg)	Δ °	(kg)	Δ °	(kg)	Δ °	(kg)
4.5	78.0	24 900	80.0	25 600				
5	77.5	24 900	79.5	25 600				
6	75.5	24 900	77.5	25 600	79.0	24 850		
7	73.5	24 900	75.5	25 600	77.5	24 800		
8	71.0	24 900	73.5	24 750	75.5	22 750	77.0	17 200
9	68.5	24 900	71.5	22 800	73.5	20 950	76.0	17 200
10	66.0	21 150	69.5	21 100	72.0	19 400	74.5	17 200
12	61.5	15 950	65.0	16 050	68.0	16 150	71.0	15 400
14	56.0	12 550	60.5	12 600	64.0	12 700	67.5	12 750
16	50.5	10 100	56.0	10 200	60.0	10 250	64.0	10 300
18	44.5	8 300	51.0	8 450	55.5	8 500	60.5	8 600
20	37.5	6 900	45.5	7 000	51.0	7 100	56.5	7 200
22	29.5	5 800	39.5	5 900	46.0	6 000	52.5	6 100
24	17.5	4 850	32.5	5 000	41.0	5 050	48.0	5 150
26			23.5	4 250	34.5	4 300	43.5	4 400
28					27.5	3 700	38.5	3 750
30					16.5	3 150	32.5	3 200
32							25.5	2 750
34							14.5	2 350
Min.Bm. Ang./Cap.	0.0	4 550	0.0	3 650	0.0	2 900	0.0	2 200
Radius (m)	24.8		27.9		30.9		34.7	



Boom Mode
"Amax2"

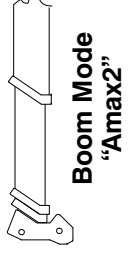
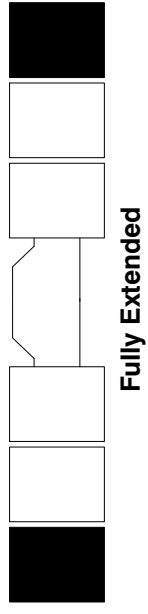
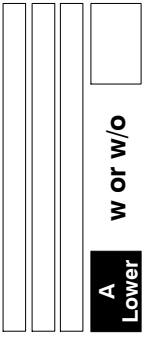


Fully Extended

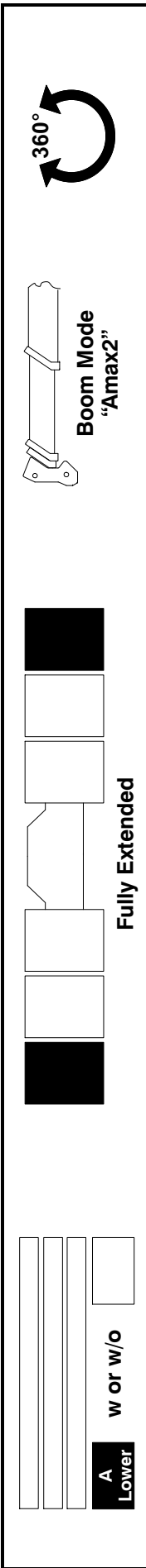
A
A
Lower

Main Boom Capacities — 12.19m—37.34m Boom

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	94 700	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	81 600	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	71 450	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	53 850	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	42 400	64.5	23 800	69.5	23 550	73.0	23 550	75.5	24 100
6	50.5	29 100	60.0	23 800	65.5	23 550	69.5	23 550	73.0	24 100
7	43.5	21 500	55.5	22 350	62.0	22 800	66.5	23 100	70.0	23 300
8	35.0	16 650	50.0	17 550	58.5	17 950	63.5	18 250	67.5	18 450
9	23.5	13 250	44.5	14 100	54.5	14 550	60.5	14 800	64.5	15 000
10			38.5	11 550	50.0	12 050	57.0	12 300	62.0	12 500
12			21.0	8 100	40.5	8 600	50.0	8 900	56.0	9 100
14					28.5	6 300	42.0	6 600	50.0	6 850
16							32.5	5 000	43.0	5 200
18							18.5	3 750	35.5	4 000
20									25.0	3 050
Min.Bm. Ang./Cap.	0.0	11 650	0.0	7 250	0.0	4 900	0.0	3 400	0.0	2 400
Radius (m)	9.6		12.6		15.7		18.7		21.8	



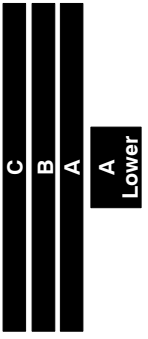
Not for crane operations



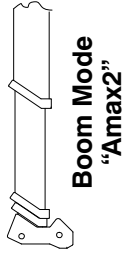
Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	α (°)	(kg)	α (°)	(kg)	α (°)	(kg)	α (°)	(kg)
4.5	78.0	24 900	80.0	25 600				
5	77.5	24 900	79.5	25 600				
6	75.5	24 900	77.5	25 600	79.0	24 850		
7	73.0	23 450	75.0	23 550	77.0	23 650		
8	70.5	18 600	73.0	18 700	75.0	18 700	77.0	17 200
9	68.0	15 150	71.0	15 250	73.0	15 350	75.5	15 400
10	65.5	12 650	68.5	12 750	71.0	12 800	74.0	12 900
12	61.0	9 200	64.5	9 350	67.5	9 350	70.0	9 400
14	55.5	6 950	60.0	7 050	63.5	7 150	66.5	7 200
16	50.0	5 350	55.0	5 450	59.0	5 550	63.0	5 600
18	44.0	4 150	50.5	4 250	55.0	4 350	59.5	4 400
20	37.5	3 200	45.0	3 300	50.5	3 400	55.5	3 500
22	29.0	2 450	39.0	2 550	45.5	2 650	51.5	2 750
24	17.0	1 850	32.0	1 950	40.0	2 050	47.5	2 150
26			23.0	1 450	34.0	1 550	42.5	1 650
28					26.5	1 150	37.5	1 200
Min.Bm. Ang./Cap.	0.0	1 650	0.0	1 100	25.5	0	36.5	0
Radius (m)		24.8		27.9		28.2		28.3

WARNING Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800						
3.5	65.5	91 800	70.5	23 800						
4	62.5	80 300	68.5	23 800	72.5	23 550				
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550		
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550		
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550		
7	43.5	43 600	55.5	23 800	62.5	23 550	67.0	23 550	73.5	24 100
8	35.0	35 350	50.5	23 800	58.5	23 550	64.0	23 550	71.0	24 100
9	24.0	29 450	45.0	23 800	54.5	23 550	61.0	23 550	68.0	24 100
10			38.5	23 800	50.5	23 550	57.5	23 550	65.5	24 100
12			21.5	19 600	41.0	20 000	50.5	20 300	62.5	20 500
14					28.5	15 900	42.5	16 200	57.0	16 400
16							33.0	13 250	50.5	16 400
18							18.5	11 050	43.5	13 450
20									36.0	11 200
Min.Bm. Ang./Cap.	0.0	26 050	0.0	17 150	0.0	12 350	0.0	9 450	25.5	9 500
Radius (m)	9.6		12.6		15.7		18.7		21.8	



Intermediate Extended



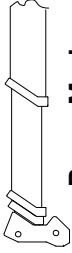
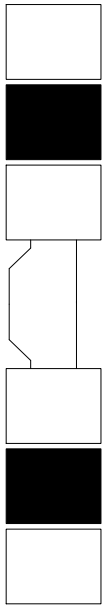
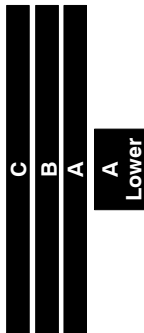
Boom Mode "Amax2"



Main Boom Capacities – 12.19m–37.34m Boom

⚠ WARNING

Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.



Main Boom Capacities — 12.19m—37.34m Boom

Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
7	73.5	24 900						
8	71.0	24 900	73.5	24 750				
9	69.0	24 900	71.5	22 800	73.5	20 950		
10	66.5	24 700	69.5	21 100	72.0	19 400		
12	61.5	20 600	65.0	18 300	68.0	16 850	71.0	15 400
14	56.5	16 550	61.0	16 100	64.5	14 800	68.0	13 500
16	51.0	13 600	56.0	13 700	60.5	13 150	64.5	12 000
18	45.0	11 350	51.0	11 450	56.0	11 550	61.0	10 750
20	38.0	9 650	45.5	9 750	51.5	9 850	57.0	9 650
22	29.5	8 300	39.5	8 400	46.5	8 500	53.0	8 600
24	17.5	7 150	32.5	7 300	41.0	7 350	48.5	7 450
26			23.5	6 350	35.0	6 450	44.0	6 500
28					28.0	5 650	39.0	5 700
30					17.0	4 950	33.0	5 050
32							26.0	4 450
34							15.5	3 950
Min.Bm. Ang./Cap.	0.0	6 000	0.0	4 900	0.0	4 050	0.0	3 200
Radius (m)	24.8		27.9		30.9		34.7	



WARNING

Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

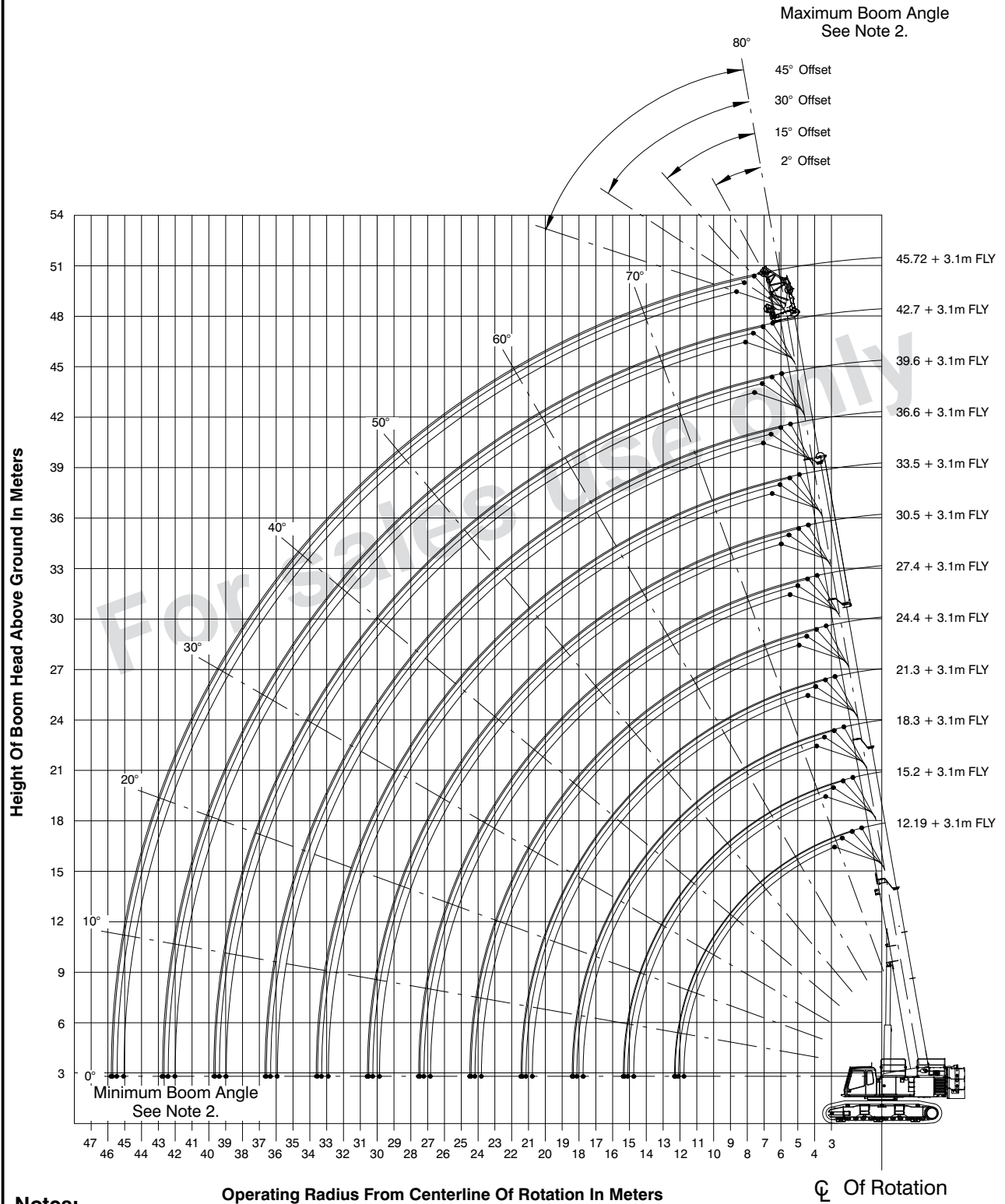
This Page Left Blank Intentionally

For sales use only

Not for crane operations

Working Range Diagram

12.19m To 45.72m Main Boom + 3.1m Fly



Notes:

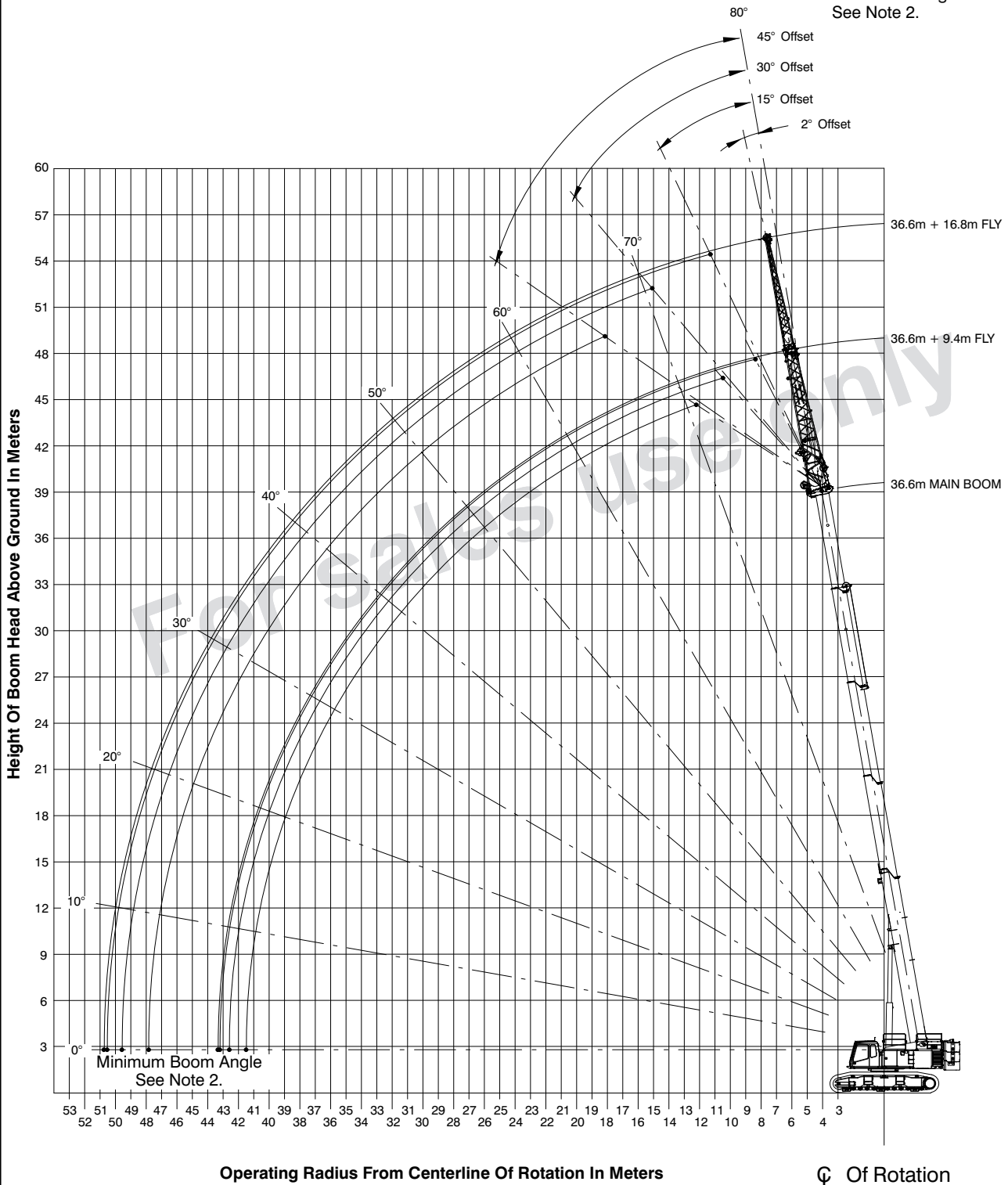
1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for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

Not for crane operations

Working Range Diagram

36.6m Main Boom + 9.4m–16.8m Fly

Maximum Boom Angle
See Note 2.



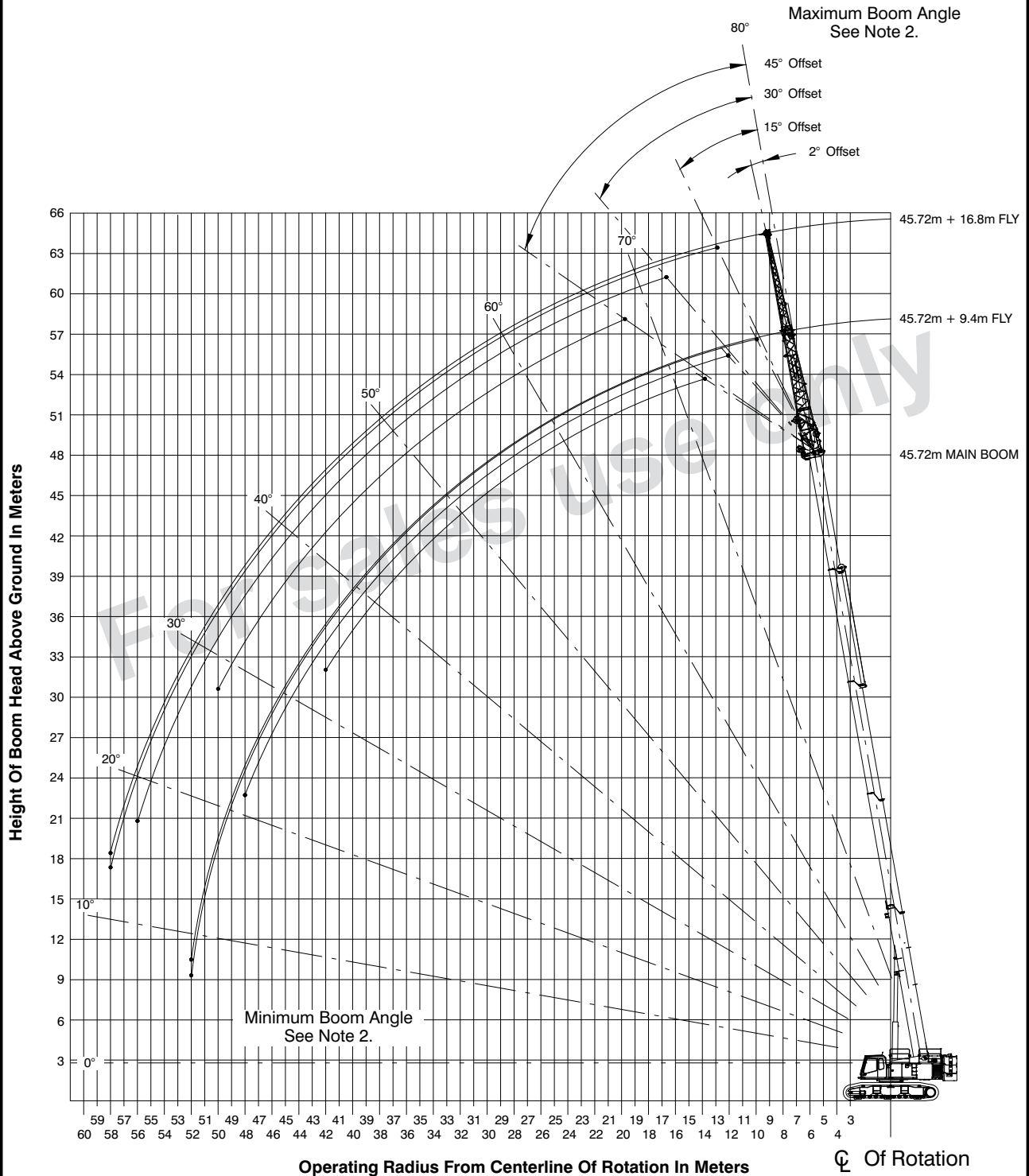
Notes:

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

Not for crane operations

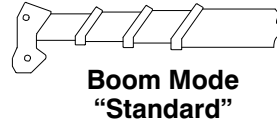
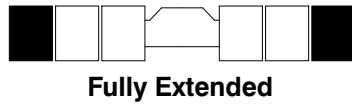
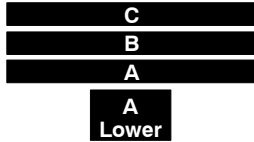
Working Range Diagram

45.72m Main Boom + 9.4m–16.8m Fly



Notes:

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

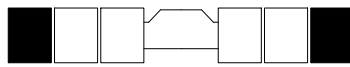
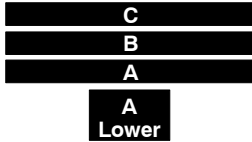


3.1m Offset Fly Capacities

12.19m–45.72m Main Boom

Boom Length (m)	2°			15°			30°			45°		
	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)
	12.19	3 3.5 4 4.5 5 6 7 8 9 10 12 12.65	70.5 68.5 66.5 64.5 62.0 57.5 53.0 48.0 42.5 36.5 19.5 1.0	28 300 28 300 28 300 28 300 28 300 28 150 26 400 24 900 23 600 22 550 21 100 13 550	3 3.5 4 4.5 5 6 7 8 9 10 12 12.69	73.0 71.0 69.0 67.0 65.0 60.5 56.0 51.0 45.5 39.5 23.0 1.0	28 300 28 300 27 500 26 750 26 000 24 750 23 650 22 750 22 000 21 400 21 050 13 800	3 3.5 4 4.5 5 6 7 8 9 10 12 12.53	76.0 74.0 72.0 70.0 67.5 63.5 58.5 53.5 48.5 42.0 25.0 1.0	24 900 24 400 23 900 23 450 23 050 22 350 21 800 21 350 21 050 20 950 20 950 14 500	3.5 4 4.5 5 6 7 8 9 10 12.17	76.5 74.5 72.5 70.0 65.5 61.0 56.0 50.0 44.0 1.0
15.2	3 3.5 4 4.5 5 6 7 8 9 10 12 14 15.7	74.0 72.5 70.5 69.0 67.5 64.0 60.5 56.5 52.5 48.5 39.0 27.0 1.0	23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 550 22 850 18 350 10 350	3 3.5 4 4.5 5 6 7 8 9 10 12 14 15.74	76.0 74.5 73.0 71.5 69.5 66.0 62.5 59.0 55.0 51.0 41.5 30.0 1.0	23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 350 22 600 21 550 18 500 10 450	3.5 4 4.5 5 6 7 8 9 10 12 14 15.58	77.0 77.0 75.5 73.5 72.0 68.5 65.0 61.0 57.5 53.0 44.0 31.5 1.0	23 550 23 550 23 550 23 550 23 050 22 450 21 950 21 550 21 250 20 900 18 600 10 900	4 4.5 5 6 7 8 9 10 12 15.22	77.5 75.5 74.0 70.5 67.0 63.0 59.0 55.0 45.0 1.0	22 150 21 900 21 750 21 400 21 150 20 950 20 900 20 900 20 900 20 900 11 600
18.3	3.5 4 4.5 5 6 7 8 9 10 12 14 18.75	75.0 73.5 72.5 71.0 68.0 65.0 62.0 59.0 56.0 49.0 41.0 1.0	23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 100 18 350 8 250	3.5 4 4.5 5 6 7 8 9 10 12 14 18.78	77.0 75.5 74.5 73.0 70.0 67.0 64.0 61.0 58.0 51.0 43.0 1.0	23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 550 23 550 22 500 18 500 8 300	3.5 4 4.5 5 6 7 8 9 10 12 14 18.63	79.0 77.5 76.5 75.0 72.0 69.0 66.0 63.0 60.0 53.0 45.0 1.0	23 550 23 550 23 550 23 550 23 550 23 000 22 500 22 050 21 700 21 150 18 700 8 600	4.5 5 6 7 8 9 10 12 18.27	78.0 76.5 74.0 71.0 67.5 64.5 61.5 54.5 1.0	22 100 21 900 21 600 21 300 21 100 20 950 20 850 20 850 9 050

Not for crane operations



Fully Extended



Boom Mode
"Standard"

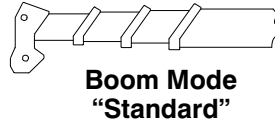
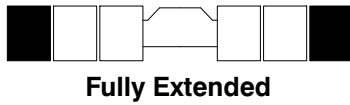
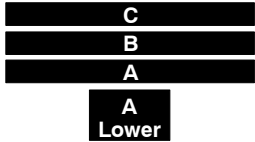


3.1m Offset Fly Capacities

12.19m–45.72m Main Boom

Boom Length (m)	2°			15°			30°			45°		
	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)
	21.3	4.5	75.0	24 000	4.5	76.5	24 000	4.5	78.5	24 000		
5		73.5	24 000	5	75.5	24 000	5	77.0	24 000			
6		71.5	24 000	6	73.0	24 000	6	74.5	23 900	6	76.0	21 700
7		69.0	24 000	7	70.5	24 000	7	72.5	23 350	7	73.5	21 400
8		66.5	24 000	8	68.0	24 000	8	69.5	22 850	8	71.0	21 200
9		64.0	24 000	9	65.5	24 000	9	67.0	22 400	9	68.5	21 000
10		61.0	24 000	10	63.0	24 000	10	64.5	22 050	10	66.0	20 900
12		55.5	23 050	12	57.5	23 300	12	59.0	21 400	12	60.0	20 750
14		49.5	18 300	14	51.0	18 550	14	53.0	18 750	14	54.0	18 850
16		42.5	14 950	16	44.5	15 100	16	46.0	15 250	16	47.0	15 350
18		34.5	12 450	18	36.5	12 550	18	38.0	12 650	21.32	1.0	7 100
21.8		1.0	6 500	21.83	1.0	6 600	21.67	1.0	6 750			
24.4	4.5	77.0	24 000									
	5	76.0	24 000									
	6	74.0	24 000	6	75.5	24 000	6	77.0	23 900	6	78.0	21 650
	7	71.5	24 000	7	73.5	24 000	7	74.5	23 450	7	76.0	21 400
	8	69.5	24 000	8	71.0	24 000	8	72.5	23 000	8	74.0	21 200
	9	67.5	24 000	9	69.0	24 000	9	70.5	22 600	9	71.5	21 000
	10	65.5	24 000	10	66.5	24 000	10	68.0	22 250	10	69.5	20 850
	12	60.5	23 000	12	62.0	23 250	12	63.5	21 600	12	64.5	20 650
	14	55.0	18 300	14	57.0	18 500	14	58.5	18 700	14	59.5	18 800
	16	49.5	14 950	16	51.5	15 100	16	52.5	15 300	16	54.0	15 400
	18	43.5	12 400	18	45.0	12 550	18	46.5	12 700	18	47.5	12 800
	20	37.0	10 500	20	38.5	10 600	20	40.0	10 700	24.36	1.0	5 600
24.85	1.0	5 200	24.88	1.0	5 250	24.72	1.0	5 400				
27.4	6	76.0	24 900	6	77.0	24 900	6	78.5	23 850	6	80.0	21 550
	7	74.0	24 900	7	75.5	24 900	7	77.0	23 400	7	78.0	21 350
	8	72.5	24 900	8	73.5	24 900	8	75.0	23 000	8	76.0	21 100
	9	70.5	24 900	9	72.0	24 900	9	73.0	22 650	9	74.0	20 950
	10	68.5	24 900	10	70.0	24 900	10	71.0	22 300	10	72.0	20 800
	12	64.5	22 950	12	65.5	23 200	12	67.0	21 700	12	68.0	20 600
	14	60.0	18 250	14	61.0	18 450	14	62.5	18 700	14	63.5	18 800
	16	55.0	14 900	16	56.5	15 100	16	58.0	15 250	16	59.0	15 400
	18	50.0	12 400	18	51.5	12 550	18	53.0	12 700	18	54.0	12 800
	20	44.5	10 450	20	46.0	10 600	20	47.5	10 700	20	48.0	10 800
	22	38.5	8 950	22	40.0	9 050	22	41.5	9 150	27.41	1.5	4 450
	24	31.5	7 700	24	33.5	7 800	24	34.5	7 850			
27.89	1.5	4 200	27.93	1.5	4 200	27.77	1.5	4 300				

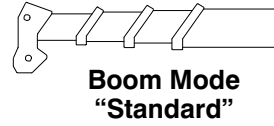
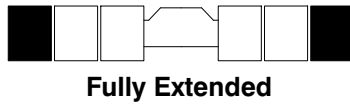
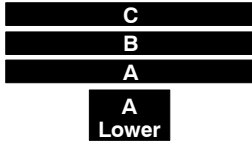
Not for crane operations



3.1m Offset Fly Capacities

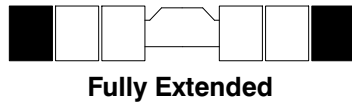
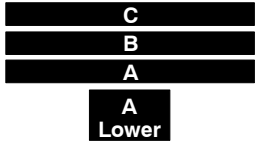
12.19m–45.72m Main Boom

Boom Length (m)	2°			15°			30°			45°		
	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)
	30.5	7	76.0	25 400	7	77.5	25 400	7	78.5	23 350	7	79.5
	8	75.0	25 400	8	76.0	25 400	8	77.0	22 950	8	78.0	21 000
	9	73.0	25 400	9	74.5	25 400	9	75.5	22 600	9	76.5	20 850
	10	71.5	25 400	10	72.5	25 250	10	73.5	22 300	10	74.5	20 700
	12	67.5	22 900	12	69.0	23 100	12	70.0	21 750	12	71.0	20 500
	14	63.5	18 200	14	65.0	18 450	14	66.0	18 650	14	67.5	18 800
	16	59.5	14 850	16	60.5	15 050	16	62.0	15 250	16	63.0	15 400
	18	55.0	12 350	18	56.5	12 550	18	57.5	12 700	18	58.5	12 800
	20	50.5	10 450	20	52.0	10 600	20	53.0	10 700	20	54.0	10 800
	22	45.5	8 950	22	47.0	9 100	22	48.0	9 200	22	49.0	9 250
	24	40.5	7 700	24	41.5	7 800	24	43.0	7 900	30.46	1.5	3 550
	26	34.0	6 650	26	35.5	6 750	26	36.5	6 800			
	30.94	2.0	3 350	30.98	1.5	3 400	30.82	1.5	3 450			
33.5	7	78.5	27 200	7	79.5	26 500						
	8	76.5	25 150	8	78.0	24 550	8	79.0	22 750	8	80.0	20 850
	9	75.0	23 350	9	76.0	22 850	9	77.5	22 450	9	78.5	20 700
	10	73.5	21 750	10	74.5	21 350	10	76.0	21 000	10	77.0	20 550
	12	70.0	19 100	12	71.5	18 900	12	72.5	18 650	12	73.5	18 550
	14	66.5	17 050	14	68.0	16 850	14	69.0	16 700	14	70.0	16 650
	16	63.0	14 850	16	64.5	15 000	16	65.5	15 050	16	66.5	15 000
	18	59.0	12 350	18	60.5	12 500	18	61.5	12 650	18	62.5	12 800
	20	55.0	10 400	20	56.5	10 550	20	57.5	10 700	20	58.5	10 800
	22	51.0	8 950	22	52.0	9 100	22	53.5	9 200	22	54.0	9 300
	24	46.5	7 700	24	48.0	7 800	24	49.0	7 900	24	49.5	7 950
	26	41.5	6 650	26	43.0	6 750	26	44.0	6 800	33.51	2.0	2 800
	28	36.5	5 800	28	37.5	5 850	28	38.5	5 900			
	30	30.0	5 050	30	31.5	5 100	33.87	2.0	2 750			
	33.99	2.0	2 650	34.02	2.0	2 700						
36.6	8	78.5	23 500	8	79.5	23 000						
	9	77.0	21 650	9	78.0	21 450	9	79.0	21 100	9	80.0	20 200
	10	75.5	19 950	10	76.5	20 050	10	77.5	19 800	10	78.5	19 650
	12	72.5	17 250	12	73.5	17 400	12	74.5	17 550	12	75.5	17 450
	14	69.0	15 050	14	70.5	15 150	14	71.5	15 350	14	72.5	15 550
	16	66.0	13 200	16	67.0	13 350	16	68.0	13 500	16	69.0	13 650
	18	62.5	11 700	18	63.5	11 800	18	65.0	11 950	18	65.5	12 100
	20	59.0	10 400	20	60.0	10 500	20	61.5	10 650	20	62.0	10 800
	22	55.5	8 950	22	56.5	9 050	22	57.5	9 200	22	58.5	9 300
	24	51.5	7 700	24	52.5	7 800	24	53.5	7 900	24	54.5	8 000
	26	47.5	6 650	26	48.5	6 750	26	49.5	6 850	26	50.0	6 900
	28	43.0	5 750	28	44.0	5 850	28	45.0	5 900	36.56	2.5	2 200
	30	38.0	5 000	30	39.5	5 100	30	40.0	5 150			
	32	32.5	4 350	32	33.5	4 450	32	34.5	4 500			
	37.04	2.5	2 100	37.07	2.5	2 100	36.91	2.5	2 150			



3.1m Offset Fly Capacities												
12.19m–45.72m Main Boom												
Boom Length (m)	2°			15°			30°			45°		
	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)
39.6	9	78.0	17 750	9	79.0	17 750	9	80.0	17 750			
	10	77.0	17 750	10	78.0	17 750	10	79.0	17 750	10	80.0	17 850
	12	74.5	16 350	12	75.5	16 500	12	76.5	16 600	12	77.5	16 550
	14	71.5	14 250	14	72.5	14 400	14	73.5	14 550	14	74.5	14 750
	16	68.5	12 500	16	69.5	12 650	16	70.5	12 800	16	71.5	12 950
	18	65.5	11 050	18	66.5	11 150	18	67.5	11 350	18	68.5	11 500
	20	62.5	9 850	20	63.5	9 950	20	64.5	10 100	20	65.0	10 200
	22	59.0	8 850	22	60.0	9 000	22	61.0	9 100	22	62.0	9 200
	24	55.5	7 700	24	56.5	7 800	24	57.5	7 900	24	58.5	8 000
	26	52.0	6 650	26	53.0	6 750	26	54.0	6 850	26	54.5	6 900
	28	48.0	5 750	28	49.0	5 850	28	50.0	5 950	28	51.0	6 000
	30	44.0	5 000	30	45.0	5 100	30	46.0	5 150	39.6	2.5	1 700
	32	39.5	4 350	32	40.5	4 450	32	41.5	4 500			
	34	34.5	3 800	34	36.0	3 850	34	36.5	3 900			
36	29.0	3 300	36	30.0	3 350	39.6	3.0	1 650				
40.09	3.0	1 600	40.12	3.0	1 650							
42.7	10	78.0	14 100	10	79.0	14 100	10	80.0	14 100			
	12	76.0	14 100	12	76.5	14 100	12	78.0	14 100	12	78.5	14 150
	14	73.5	13 700	14	74.5	13 800	14	75.5	14 000	14	76.5	14 100
	16	71.0	12 050	16	71.5	12 150	16	73.0	12 300	16	73.5	12 500
	18	68.0	10 650	18	69.0	10 750	18	70.0	10 900	18	71.0	11 050
	20	65.0	9 450	20	66.0	9 550	20	67.0	9 700	20	68.0	9 800
	22	62.0	8 500	22	63.0	8 600	22	64.0	8 750	22	65.0	8 850
	24	59.0	7 600	24	60.0	7 700	24	61.0	7 850	24	62.0	7 950
	26	56.0	6 650	26	57.0	6 750	26	58.0	6 850	26	58.5	6 900
	28	52.5	5 750	28	53.5	5 850	28	54.5	5 950	28	55.0	6 000
	30	49.0	5 000	30	50.0	5 100	30	50.5	5 150	30	51.5	5 200
	32	45.0	4 350	32	46.0	4 400	32	47.0	4 500	42.65	3.5	1 250
	34	41.0	3 800	34	42.0	3 850	34	43.0	3 900			
	36	36.5	3 300	36	37.5	3 350	36	38.5	3 400			
38	31.5	2 850	38	32.5	2 900	38	33.0	2 950				
43.13	3.0	1 200	43.17	3.0	1 200	43.01	3.0	1 250				

Not for crane operations

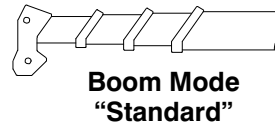
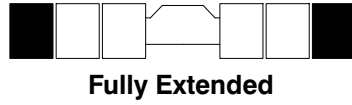
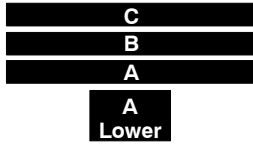


3.1m Offset Fly Capacities

12.19m–45.72m Main Boom

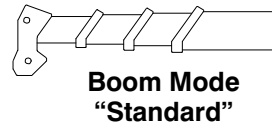
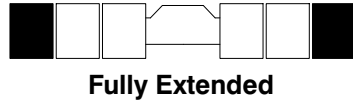
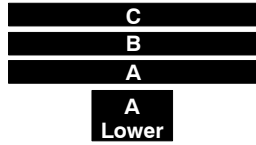
Boom Length (m)	2°			15°			30°			45°		
	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)	Rated Rad. (m)	Δ °	Rated Cap. (kg)
	45.72	10	78.5	10 950	10	79.5	10 950	12	78.5	10 950	12	79.5
12		76.5	10 950	12	77.5	10 950	14	76.5	10 950	14	77.5	11 050
14		74.5	10 950	14	75.5	10 950	16	74.5	10 950	16	75.0	11 050
16		72.5	10 950	16	73.5	10 950	18	71.5	9 050	18	73.0	10 650
18		69.5	9 050	18	70.5	9 050	20	69.5	9 050	20	70.0	9 200
20		67.5	9 050	20	68.5	9 050	22	66.5	8 400	22	67.5	8 550
22		65.0	8 200	22	66.0	8 300	24	64.0	7 550	24	64.5	7 650
24		62.0	7 300	24	63.0	7 400	26	61.0	6 750	26	61.5	6 850
26		59.0	6 550	26	60.0	6 650	28	58.0	5 950	28	58.5	6 000
28		56.0	5 750	28	57.0	5 850	30	54.5	5 150	30	55.5	5 200
30		53.0	5 000	30	54.0	5 100	32	51.5	4 500	32	52.0	4 550
32		49.5	4 350	32	50.5	4 400	34	48.0	3 900	45.7	4.0	900
34		46.0	3 750	34	47.0	3 850	36	44.0	3 400			
36		42.5	3 300	36	43.0	3 350	38	40.0	2 950			
38		38.0	2 850	38	39.0	2 900	40	35.0	2 500			
40		33.5	2 450	40	34.5	2 500	46.06	3.5	850			
42		28.5	2 100	42	29.5	2 150						
46.18		3.5	850	46.22	4.0	850						

Not for crane operations



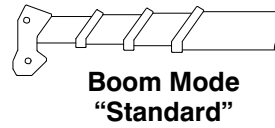
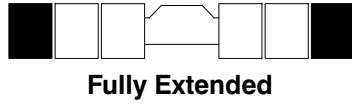
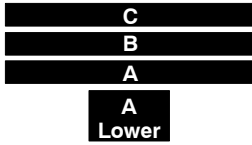
9.4m Offset Fly Capacities								
Load Radius (m)	36.6m Main Boom							
	2°		15°		30°		45°	
	\angle °	(kg)	\angle °	(kg)	\angle °	(kg)	\angle °	(kg)
	10	78.0	13 100					
12	75.5	12 300	77.5	9 250				
14	73.5	11 600	75.5	8 850	78.0	7 600		
16	71.0	10 950	73.0	8 500	75.5	7 400	77.5	6 700
18	68.0	10 350	70.5	8 200	73.0	7 200	75.0	6 550
20	65.5	9 100	67.5	7 900	70.0	7 000	72.0	6 450
22	62.5	8 700	65.0	7 650	67.5	6 850	69.5	6 400
24	59.5	8 050	62.0	7 400	64.5	6 700	66.5	6 350
26	56.5	7 050	59.0	7 200	61.5	6 550	63.5	6 300
28	53.0	6 150	56.0	6 400	58.5	6 450	60.0	6 300
30	49.5	5 400	52.5	5 600	55.0	5 800	56.5	5 950
32	46.0	4 750	48.5	4 950	51.0	5 100	52.5	5 200
34	42.0	4 200	44.5	4 350	46.5	4 500	48.0	4 550
36	37.5	3 700	40.0	3 850	42.0	3 950		
38	32.5	3 250	35.0	3 350	37.0	3 450		
40	27.0	2 850	29.5	2 950	30.5	3 000		
42	19.0	2 500	21.5	2 550				
Min.Bm. Ang./Cap.	0.0	1 150	0.0	1 200	0.0	1 250	0.0	1 350
Radius (m)	43.4		43.3		42.5		41.1	

Not for crane operations



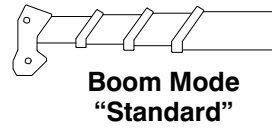
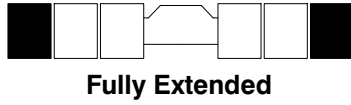
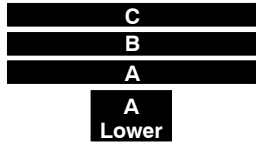
9.4m Offset Fly Capacities								
Load Radius (m)	45.72m Main Boom							
	2°		15°		30°		45°	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
	12	78.5	7 350					
14	77.0	7 350	79.0	7 350				
16	75.0	7 350	77.5	7 350	79.5	6 650		
18	73.5	7 350	75.5	7 200	77.5	6 550	79.5	6 100
20	71.5	7 350	73.5	7 100	75.5	6 450	77.5	6 050
22	70.0	7 350	71.5	6 950	73.5	6 350	75.5	6 000
24	67.5	6 900	69.5	6 800	71.5	6 250	73.5	5 950
26	65.0	6 200	67.5	6 400	69.5	6 150	71.0	5 900
28	62.5	5 600	65.0	5 750	67.5	5 950	69.0	5 900
30	60.0	5 000	62.5	5 200	64.5	5 350	66.5	5 550
32	57.5	4 500	59.5	4 700	62.0	4 850	63.5	4 950
34	54.5	4 000	57.0	4 200	59.0	4 350	60.5	4 500
36	51.5	3 500	54.0	3 700	56.0	3 850	57.5	3 950
38	48.5	3 100	51.0	3 250	53.0	3 350	54.0	3 450
40	45.5	2 700	47.5	2 800	49.5	2 950	50.5	3 000
42	42.0	2 350	44.0	2 450	46.0	2 550	46.5	2 600
44	38.0	2 000	40.5	2 100	42.0	2 200		
46	34.0	1 750	36.0	1 800	37.5	1 850		
48	29.5	1 450	31.5	1 550	32.5	1 550		
50	23.5	1 250	25.5	1 300				
52	14.5	1 050	16.0	1 050				
Min.Bm. Ang./Cap.	13.5	0	15.0	0	31.5	0	45.5	0
Radius (m)	52.2		52.2		48.4		42.5	
WARNING								
* Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.								
Maximum Main Boom Length At 0° Boom Angle (m)	36.6							

Not for crane operations



Load Radius (m)	16.8m Offset Fly Capacities							
	36.6m Main Boom							
	2°		15°		30°		45°	
	∠ °	(kg)	∠ °	(kg)	∠ °	(kg)	∠ °	(kg)
10	79.5	6 250						
12	77.5	5 950						
14	75.5	5 700						
16	73.5	5 450	77.5	4 650				
18	71.5	5 200	75.5	4 500				
20	69.5	5 000	73.5	4 300	77.5	3 750		
22	67.0	4 800	71.0	4 150	75.0	3 650	79.0	3 350
24	65.0	4 600	69.0	4 050	73.0	3 600	76.5	3 300
26	62.5	4 450	66.5	3 900	70.5	3 500	74.0	3 250
28	60.0	4 250	64.0	3 800	68.0	3 400	71.0	3 200
30	57.5	4 100	61.5	3 700	65.5	3 350	68.5	3 150
32	55.0	3 950	59.0	3 600	63.0	3 300	65.5	3 150
34	52.5	3 850	56.5	3 500	60.0	3 250	62.5	3 150
36	49.5	3 700	53.5	3 400	57.0	3 200	59.5	3 150
38	46.5	3 600	50.5	3 350	54.0	3 200	56.0	3 150
40	43.0	3 250	47.0	3 300	50.5	3 150	52.5	3 150
42	39.5	2 900	43.5	3 050	46.5	3 150	48.0	3 150
44	35.5	2 550	39.0	2 700	42.0	2 800		
46	30.5	2 250	34.5	2 400	36.5	2 450		
48	25.0	2 000	28.5	2 100				
Min.Bm. Ang./Cap.	0.0	600	0.0	600	0.0	650	0.0	800
Radius (m)	50.8		50.3		48.8		46.3	

Not for crane operations



Load Radius (m)	16.8m Offset Fly Capacities							
	45.72m Main Boom							
	2°		15°		30°		45°	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
14	79.0	4 550						
16	77.0	4 400						
18	75.5	4 300	79.0	3 850				
20	74.0	4 200	77.5	3 750				
22	72.5	4 100	75.5	3 650	79.0	3 300		
24	70.5	4 000	74.0	3 600	77.5	3 250		
26	69.0	3 900	72.0	3 500	75.5	3 200	78.5	3 000
28	67.0	3 850	70.5	3 450	73.5	3 150	76.5	2 950
30	65.0	3 750	68.5	3 350	72.0	3 100	74.5	2 950
32	63.5	3 650	66.5	3 300	70.0	3 050	72.5	2 900
34	61.5	3 600	64.5	3 250	68.0	3 000	70.5	2 900
36	59.5	3 500	62.5	3 200	65.5	3 000	68.5	2 900
38	57.0	3 150	60.5	3 150	63.5	2 950	66.0	2 900
40	54.5	2 850	58.0	3 000	61.5	2 950	63.5	2 900
42	52.0	2 550	55.5	2 700	59.0	2 850	61.0	2 900
44	49.0	2 250	52.5	2 400	56.0	2 550	58.0	2 700
46	46.5	2 000	50.0	2 150	53.0	2 300	54.5	2 350
48	43.5	1 750	47.0	1 900	49.5	2 000	51.0	2 100
50	40.0	1 500	43.5	1 650	46.0	1 750	47.0	1 800
52	37.0	1 300	40.0	1 400	42.5	1 500		
54	33.0	1 100	36.0	1 200	38.0	1 250		
56	28.5	900	31.5	950	32.5	1 000		
58	23.0	750	25.5	750				
Min.Bm. Ang./Cap.	22.0	0	24.5	0	31.5	0	46.0	0
Radius (m)	58.4		58.3		56.4		50.5	
WARNING								
* Do Not Lower Boom Below The Minimum Boom Angle Listed. Loss Of Forward Stability Will Occur Causing a Tipping Condition.								
Maximum Main Boom Length At 0° Boom Angle (m)		36.6						

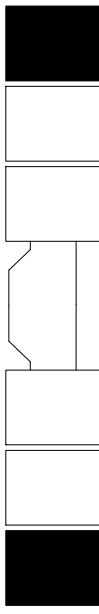
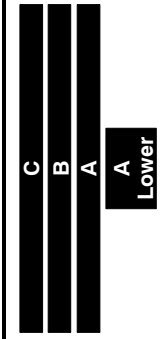
Not for crane operations

List Capacity Notes

1. All list capacities as shown in this Crane Rating Manual are applicable to crane list (not support vessel list). Crane list is an out-of-level condition to the side of the crane as defined by the angle between horizontal and a line drawn through the centerline of the boom foot pin.
2. Crane trim is an out-of-level condition to the front or rear of the crane as defined by the angle between horizontal and the crane supporting surface.
3. Crane trim does not affect capacity but does affect load radius. Minimum load radius will be limited by the boom hoist cylinder.
4. The crane owner and/or the crane user shall have the crane support vessel fully certified and approved to work within the limits listed in this Crane Rating Manual.
5. The crane shall be blocked and/or secured to prevent shifting or sliding.
6. All other applicable notes listed in this Crane Rating Manual must be followed.
7. All capacities are for boom lengths listed in the capacity charts with ABC+A counterweight, fully extended side frames, and 360° rotation.

For sales use only

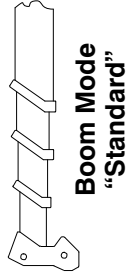
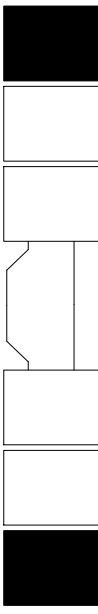
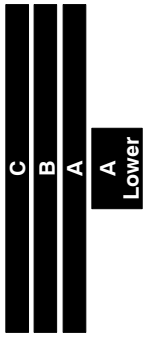
Not for crane operations



Boom Mode
"Standard"

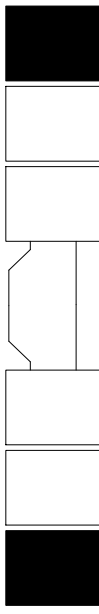
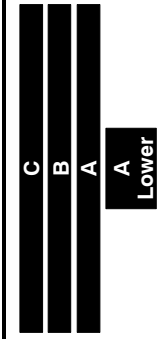
Main Boom List Capacities – 1 Degree List

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550				
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.0	23 550	77.0	24 000
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	75.0	24 000
7	43.5	45 200	55.5	23 800	62.5	23 550	67.0	23 550	70.5	23 550	73.0	24 000
8	35.5	36 250	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	71.0	24 000
9	24.0	29 950	45.0	23 800	54.5	23 550	60.5	23 550	65.0	23 550	68.5	24 000
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	23 550	66.5	24 000
12			21.5	19 450	41.0	19 650	50.5	19 800	56.5	19 850	61.5	19 900
14					28.5	15 550	42.5	15 700	50.5	15 800	56.0	15 850
16							33.0	12 750	43.5	12 850	50.5	12 900
18							18.5	10 600	35.5	10 650	44.5	10 750
20									25.5	9 000	38.0	9 100
22											29.5	7 750
24											17.5	6 650
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 650	0.0	12 850	0.0	9 800	0.0	7 750	0.0	6 150
Radius (m)		9.6		12.6		15.7		18.7		21.8		24.8

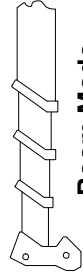


Main Boom List Capacities – 1 Degree List

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	21 400										
5	78.5	21 400										
6	76.5	21 400	78.0	16 400								
7	75.0	21 400	76.5	16 400	76.0	12 400						
8	73.0	21 400	75.0	16 400	74.5	12 400	76.0	8 400	77.0	6 450		
9	71.0	21 400	73.0	16 400	73.0	12 400	74.5	8 400	75.5	6 450		
10	69.5	21 400	71.5	16 400	70.0	12 400	71.5	8 400	73.0	6 450		
12	65.0	19 900	68.0	16 400	67.0	12 400	68.5	8 400	70.5	6 450		
14	60.5	15 850	64.5	15 850	63.5	12 400	65.5	8 400	67.5	6 450		4 850
16	56.0	12 950	60.0	12 950	60.0	10 800	62.5	8 400	65.0	6 450		4 850
18	51.0	10 800	56.0	10 800	56.0	9 200	59.5	8 400	62.0	6 450		4 850
20	45.5	9 150	51.5	9 200	51.5	7 900	56.0	8 400	59.0	6 450		4 850
22	39.5	7 800	46.5	7 850	47.0	6 800	52.0	7 900	56.0	6 450		4 850
24	32.5	6 700	41.0	6 750	42.5	5 900	48.0	6 800	52.5	5 950		4 850
26	23.5	5 800	35.0	5 850	37.0	5 100	43.5	5 900	48.5	5 150		4 850
28			27.5	5 100	30.5	4 450	38.5	5 150	44.5	4 500		4 500
30			17.0	4 450	22.5	3 900	33.0	4 500	40.0	3 950		3 950
32				3 900	26.5	3 450	29.5	3 950	35.0	3 450		3 450
34					17.0	3 000	22.0	3 000	7.5	3 000		3 050
36												2 650
38												2 300
40												2 000
42												1 700
Min. Bm. Ang./Cap.	0.0	4 950	0.0	4 050	0.0	3 300	0.0	2 650	0.0	2 150	0.0	1 700
Radius (m)		27.9		30.9		34.0		37.0		40.1		43.1



Fully Extended

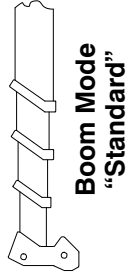
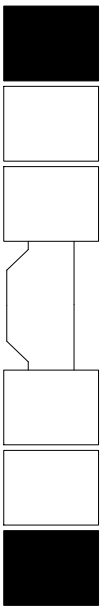
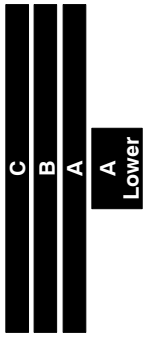


Boom Mode
"Standard"



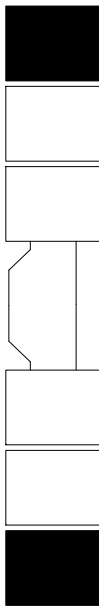
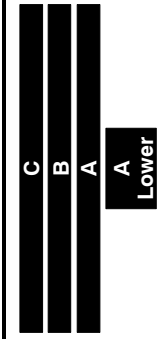
Main Boom List Capacities – 2 Degree List

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	97 350	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	91 000	70.5	23 800	74.5	23 550	77.0	23 550				
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.0	23 550	77.0	24 000
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	75.0	24 000
7	43.5	45 200	55.5	23 800	62.5	23 550	67.0	23 550	70.5	23 550	73.0	24 000
8	35.5	36 250	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	70.5	24 000
9	24.0	29 950	45.0	23 800	54.5	23 550	60.5	23 550	65.0	23 550	68.5	24 000
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	23 550	66.5	24 000
12			21.5	19 450	41.0	19 650	50.5	19 800	56.5	19 850	61.5	19 900
14					28.5	15 550	42.5	15 700	50.5	15 800	56.0	15 850
16							33.0	12 750	43.5	12 850	50.5	12 900
18							18.5	10 600	35.5	10 650	44.5	10 750
20									25.5	9 000	38.0	9 100
22											29.5	7 750
24											17.5	6 650
Min.Bm. Ang./Cap.	0.0	26 050	0.0	17 650	0.0	12 850	0.0	9 800	0.0	7 750	0.0	6 150
Radius (m)		9.6		12.6		15.7		18.7		21.8		24.8

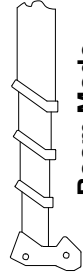


Main Boom List Capacities – 2 Degree List

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.7m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	20 050										
5	78.5	20 050										
6	76.5	20 050	78.0	15 300								
7	75.0	20 050	76.5	15 300								
8	73.0	20 050	74.5	15 300	76.0	11 500						
9	71.0	20 050	73.0	15 300	74.5	11 500	75.5	7 850				
10	69.0	20 050	71.5	15 300	73.0	11 500	74.5	7 850	77.0	6 050	78.0	4 550
12	65.0	19 900	68.0	15 300	70.0	11 500	71.5	7 850	73.0	6 050	74.0	4 550
14	60.5	15 850	64.5	15 300	67.0	11 500	68.5	7 850	70.5	6 050	71.5	4 550
16	56.0	12 950	60.0	12 950	63.5	11 500	65.5	7 850	67.5	6 050	69.0	4 550
18	51.0	10 800	56.0	10 800	60.0	10 800	62.5	7 850	65.0	6 050	66.5	4 550
20	45.5	9 150	51.5	9 200	56.0	9 200	59.5	7 850	62.0	6 050	64.0	4 550
22	39.5	7 800	46.5	7 850	51.5	7 900	56.0	7 850	59.0	6 050	61.5	4 550
24	32.5	6 700	41.0	6 750	47.0	6 800	52.0	6 800	56.0	6 050	58.5	4 550
26	23.5	5 800	35.0	5 850	42.5	5 900	48.0	5 900	52.5	5 950	55.5	4 550
28			27.5	5 100	37.0	5 100	43.5	5 150	48.5	5 150	52.5	4 550
30			17.0	4 450	30.5	4 450	38.5	4 500	44.5	4 500	49.0	4 500
32					22.5	3 900	33.0	3 950	40.0	3 950	45.5	3 950
34							26.5	3 450	35.0	3 450	41.5	3 450
36							17.0	3 000	29.5	3 000	37.0	3 050
38									22.0	2 650	32.0	2 650
40									7.5	2 300	25.5	2 300
42											17.0	2 000
Min.Bm. Ang./Cap.	0.0	4 950	0.0	4 050	0.0	3 300	0.0	2 650	0.0	2 150	0.0	1 700
Radius (m)	27.9	30.9	34.0	37.0	40.1	43.1						



Fully Extended

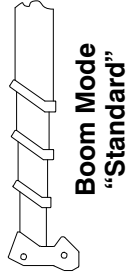
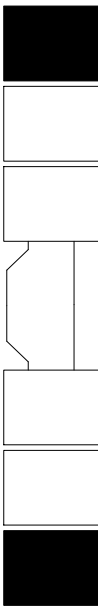
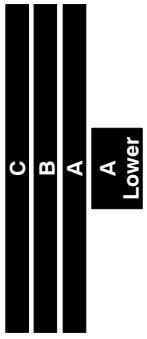


Boom Mode
"Standard"



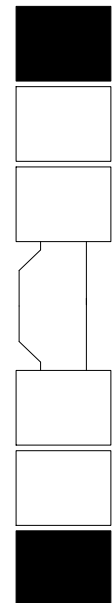
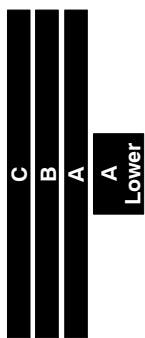
Main Boom List Capacities – 3 Degree List

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	94 500	72.5	23 800	75.5	23 550	78.0	23 550				
3.5	65.5	88 400	70.5	23 800	74.5	23 550	77.0	23 550				
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	23 550		
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	23 550	78.0	24 000
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.0	23 550	77.0	23 850
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	23 550	75.0	23 850
7	43.5	45 200	55.5	23 800	62.5	23 550	67.0	23 550	70.5	23 550	73.0	23 850
8	35.5	36 250	50.5	23 800	58.5	23 550	64.0	23 550	68.0	23 550	70.5	23 850
9	24.0	29 950	45.0	23 800	54.5	23 550	60.5	23 550	65.0	23 550	68.5	23 850
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	23 550	66.5	23 850
12			21.5	19 450	41.0	19 650	50.5	19 800	56.5	19 850	61.5	19 900
14					28.5	15 550	42.5	15 700	50.5	15 800	56.0	15 850
16							33.0	12 750	43.5	12 850	50.5	12 900
18							18.5	10 600	35.5	10 650	44.5	10 750
20									25.5	9 000	38.0	9 100
22											29.5	7 750
24											17.5	6 650
Min.Bm. Ang./Cap.	0.0	26 050	0.0	17 650	0.0	12 850	0.0	9 800	0.0	7 750	0.0	6 150
Radius (m)		9.6		12.6		15.7		18.7		21.8		24.8



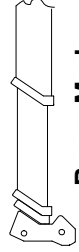
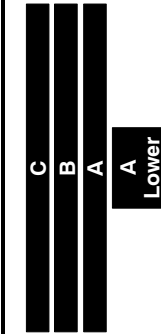
Main Boom List Capacities –3 Degree List

Load Radius (m)	30.5m		33.5m		36.6m		39.6m		42.5m		45.72m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	79.5	17 950										
5	78.5	17 950										
6	76.5	17 950	78.0	14 350								
7	74.5	17 950	76.5	14 350								
8	73.0	17 950	74.5	14 350	76.0	10 750						
9	71.0	17 950	73.0	14 350	74.5	10 750	75.5	7 350				
10	69.0	17 950	71.5	14 350	73.0	10 750	74.5	7 350	77.0	5 650	77.5	4 250
12	65.0	17 950	68.0	14 350	70.0	10 750	71.5	7 350	75.5	5 650	76.5	4 250
14	60.5	15 850	64.0	14 350	66.5	10 750	68.5	7 350	70.0	5 650	71.5	4 250
16	56.0	12 950	60.0	12 950	63.5	10 750	65.5	7 350	67.5	5 650	69.0	4 250
18	51.0	10 800	56.0	10 800	60.0	10 750	62.5	7 350	64.5	5 650	66.5	4 250
20	45.5	9 150	51.5	9 200	56.0	9 200	59.0	7 350	62.0	5 650	64.0	4 250
22	39.5	7 800	46.5	7 850	51.5	7 900	56.0	7 350	59.0	5 650	61.5	4 250
24	32.5	6 700	41.0	6 750	47.0	6 800	52.0	6 800	55.5	5 650	58.5	4 250
26	23.5	5 800	35.0	5 850	42.5	5 900	48.0	5 900	52.5	5 650	55.5	4 250
28			27.5	5 100	37.0	5 100	43.5	5 150	48.5	5 150	52.5	4 250
30			17.0	4 450	30.5	4 450	38.5	4 500	44.5	4 500	49.0	4 250
32					22.5	3 900	33.0	3 950	40.0	3 950	45.5	3 950
34							26.5	3 450	35.0	3 450	41.5	3 450
36							17.0	3 000	29.5	3 000	37.0	3 050
38									22.0	2 650	32.0	2 650
40									7.5	2 300	25.5	2 300
42											17.0	2 000
Min.Bm. Ang./Cap.	0.0	4 950	0.0	4 050	0.0	3 300	0.0	2 650	0.0	2 150	0.0	1 700
Radius (m)	27.9	30.9	34.0	37.0	40.1	43.1						



Main Boom List Capacities – 1 Degree List

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)
3	68.0	100 200	73.0	48 600	76.0	47 800	78.5	46 000						
3.5	65.5	91 800	71.0	48 600	74.5	47 800	77.0	46 000						
4	62.5	80 300	68.5	48 600	73.0	47 800	76.0	46 000	78.0	32 650				
4.5	60.0	71 400	66.5	48 600	71.0	47 800	74.5	46 000	76.5	32 650	21 700			
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	45 500	75.5	32 650	21 700			
6	50.5	53 500	60.0	48 600	66.0	47 800	70.0	41 300	73.0	30 900	21 700			17 200
7	43.5	45 200	55.5	44 950	62.5	44 700	67.5	37 850	70.5	28 400	21 700			17 200
8	35.5	36 250	50.5	36 100	58.5	35 850	64.0	34 800	68.0	26 250	21 700			17 200
9	24.0	29 950	45.0	29 850	54.5	29 700	61.0	29 500	65.5	24 300	21 650			17 200
10			39.0	25 250	50.5	25 150	57.5	25 000	63.0	22 600	20 150			17 200
12			21.5	18 950	41.0	18 850	50.5	18 850	57.0	18 750	17 550			16 750
14					29.0	14 750	42.5	14 700	51.0	14 650	14 600			14 550
16							33.0	11 800	44.0	11 750	11 700			11 700
18							19.0	9 650	36.0	9 600	9 550			9 550
20									25.5	8 000	7 950			7 950
22											6 650			6 600
24											5 550			5 550
26														4 650
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 450	0.0	12 250	0.0	9 000	0.0	6 750	5 150			4 500
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	

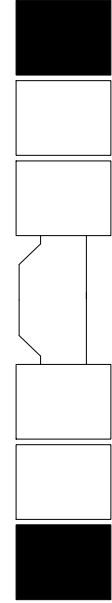
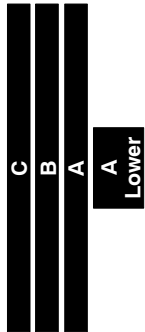


Boom Mode
"Amax1"

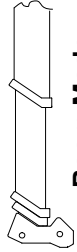
Fully Extended

Main Boom List Capacities – 2 Degree List

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	97 350	73.0	48 600	76.0	47 800	78.5	46 000						
3.5	65.5	91 000	71.0	48 600	74.5	47 800	77.0	46 000						
4	62.5	80 300	68.5	48 600	73.0	47 800	76.0	46 000	78.0	30 850				
4.5	60.0	71 400	66.5	48 600	71.0	47 800	74.5	46 000	76.5	30 850	78.0	20 450		
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	44 050	75.5	30 850	77.0	20 450		
6	50.5	53 500	60.0	48 600	66.0	47 800	70.0	40 100	73.0	29 850	75.0	20 450	76.0	16 250
7	43.5	45 200	55.5	44 950	62.5	44 700	67.0	36 850	70.5	27 500	73.0	20 450	74.0	16 250
8	35.5	36 250	50.5	36 100	58.5	35 850	64.0	33 950	68.0	25 450	71.0	20 450	72.0	16 250
9	24.0	29 950	45.0	29 850	54.5	29 700	61.0	29 500	65.5	23 600	69.0	20 450	70.0	16 250
10			39.0	25 250	50.5	25 150	57.5	25 000	63.0	22 000	66.5	19 550	68.0	16 250
12			21.5	18 950	41.0	18 850	50.5	18 850	57.0	18 750	62.0	17 100	64.0	16 250
14					29.0	14 750	42.5	14 700	51.0	14 650	56.5	14 600	59.0	14 400
16							33.0	11 800	44.0	11 750	51.0	11 700	54.0	11 700
18							19.0	9 650	36.0	9 600	45.0	9 550	48.5	9 550
20									25.5	8 000	38.5	7 950	42.5	7 950
22											30.0	6 650	35.5	6 600
24											18.0	5 550	27.0	5 550
26													13.0	4 650
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 450	0.0	12 250	0.0	9 000	0.0	6 750	0.0	5 150	0.0	4 500
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	



Fully Extended

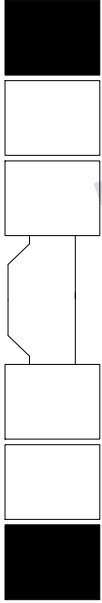
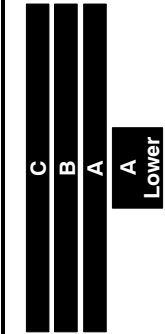


Boom Mode
"Amax1"

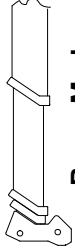


Main Boom List Capacities – 3 Degree List

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m		27.4m		28.96m	
	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)
3	68.0	94 500	73.0	48 600	76.0	47 800	78.5	46 000						
3.5	65.5	88 400	71.0	48 600	74.5	47 800	77.0	46 000						
4	62.5	80 300	68.5	48 600	73.0	47 800	76.0	46 000	77.5	29 250				
4.5	60.0	71 400	66.5	48 600	71.0	47 800	74.5	44 750	76.5	29 250	78.0	18 300		
5	57.0	64 200	64.5	48 600	69.5	47 800	73.0	42 700	75.5	29 250	77.0	18 300		
6	50.5	53 500	60.0	48 600	66.0	47 800	70.0	39 000	73.0	28 850	75.0	18 300	76.0	15 350
7	43.5	45 200	55.5	44 950	62.5	44 700	67.0	35 850	70.5	26 650	73.0	18 300	74.0	15 350
8	35.5	36 250	50.5	36 100	58.5	35 850	64.0	33 100	68.0	24 700	71.0	18 300	72.0	15 350
9	24.0	29 950	45.0	29 850	54.5	29 700	61.0	29 500	65.5	22 950	69.0	18 300	70.0	15 350
10			39.0	25 250	50.5	25 150	57.5	25 000	62.5	21 400	66.5	18 300	68.0	15 350
12			21.5	18 950	41.0	18 850	50.5	18 850	57.0	18 750	62.0	16 700	63.5	15 350
14					29.0	14 750	42.5	14 700	51.0	14 650	56.5	14 600	59.0	14 050
16							33.0	11 800	44.0	11 750	51.0	11 700	54.0	11 700
18							19.0	9 650	36.0	9 600	45.0	9 550	48.5	9 550
20								8 000	25.5	8 000	38.5	7 950	42.5	7 950
22											30.0	6 650	35.5	6 600
24											18.0	5 550	27.0	5 550
26													13.0	4 650
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 450	0.0	12 250	0.0	9 000	0.0	6 750	0.0	5 150	0.0	4 500
Radius (m)	9.6		12.6		15.7		18.7		21.8		24.8		26.4	



Fully Extended



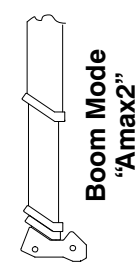
Boom Mode
"Amax2"



Main Boom List Capacities – 1 Degree List

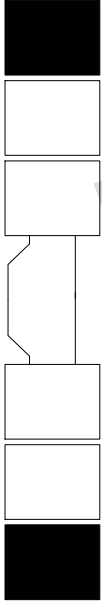
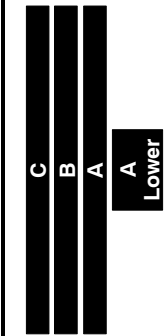
Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	100 200	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	91 800	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.0	24 100
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	24 100
7	43.5	45 200	55.5	23 800	62.5	23 550	67.0	23 550	70.5	24 100
8	35.5	36 250	50.5	23 800	58.5	23 550	64.0	23 550	68.0	24 100
9	24.0	29 950	45.0	23 800	54.5	23 550	61.0	23 550	65.5	24 100
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	24 100
12			21.5	19 700	41.0	20 100	50.5	20 350	57.0	20 500
14					28.5	15 950	42.5	16 200	50.5	16 350
16							33.0	13 250	43.5	13 400
18							18.5	11 050	36.0	11 200
20									25.5	9 500
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 150	0.0	12 350	0.0	9 450	0.0	7 450
Radius (m)	9.6		12.6		15.7		18.7		21.8	

Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	78.0	23 150	79.5	16 050				
5	77.0	23 150	78.5	16 050				
6	75.0	23 150	76.5	16 050	78.0	12 000		
7	73.0	23 150	74.5	16 050	76.0	12 000		
8	70.5	23 150	73.0	16 050	74.5	12 000	76.0	7 150
9	68.5	23 000	71.0	16 050	73.0	12 000	74.5	7 150
10	66.5	21 650	69.0	16 050	71.0	12 000	73.0	7 150
12	61.5	19 250	65.0	16 050	67.5	12 000	70.0	7 150
14	56.5	16 450	60.5	14 550	64.0	12 000	66.5	7 150
16	51.0	13 550	56.0	13 200	60.0	11 950	63.5	7 150
18	45.0	11 350	51.0	11 450	56.0	10 850	60.0	7 150
20	38.0	9 650	46.0	9 750	51.5	9 800	56.5	7 150
22	29.5	8 350	39.5	8 450	46.5	8 500	53.0	7 150
24	17.5	7 250	32.5	7 350	41.0	7 400	48.5	7 150
26			23.5	6 400	35.0	6 500	44.0	6 550
28					28.0	5 700	39.0	5 800
30					17.0	5 050	33.0	5 150
32							26.0	4 550
34							15.5	4 100
Min.Bm. Ang./Cap. Radius (m)	0.0	6 000	0.0	4 900	0.0	4 050	0.0	3 200
		24.8		27.9		30.9		34.7

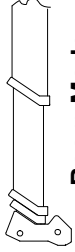


Fully Extended

Main Boom List Capacities – 1 Degree List



Fully Extended

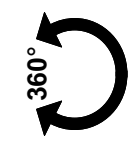
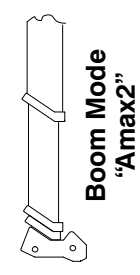
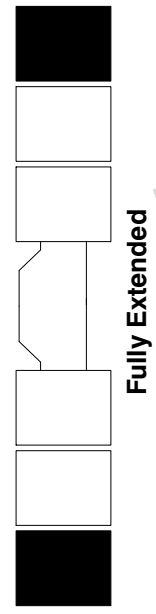
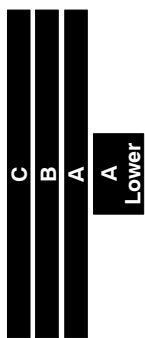


Boom Mode
"Amax2"



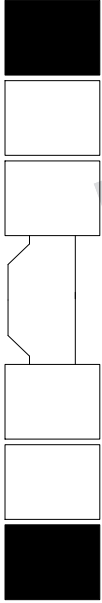
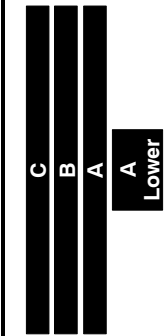
Main Boom List Capacities – 2 Degree List

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	97 350	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	91 000	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.0	24 100
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	24 100
7	43.5	45 200	55.5	23 800	62.5	23 550	67.0	23 550	70.5	24 100
8	35.5	36 250	50.5	23 800	58.5	23 550	64.0	23 550	68.0	24 100
9	24.0	29 950	45.0	23 800	54.5	23 550	61.0	23 550	65.5	24 100
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	24 100
12			21.5	19 700	41.0	20 100	50.5	20 350	57.0	20 500
14					28.5	15 950	42.5	16 200	50.5	16 350
16							33.0	13 250	43.5	13 400
18							18.5	11 050	36.0	11 200
20									25.5	9 500
Min. Bm. Ang./Cap.	0.0	26 050	0.0	17 150	0.0	12 350	0.0	9 450	0.0	7 450
Radius (m)		9.6		12.6		15.7		18.7		21.8

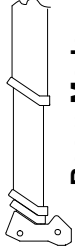


Main Boom List Capacities – 2 Degree List

Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)	∠ (°)	(kg)
4.5	78.0	21 900	79.5	15 100				
5	77.0	21 900	78.5	15 100				
6	75.0	21 900	76.5	15 100	78.0	11 250		
7	73.0	21 900	74.5	15 100	76.0	11 250		
8	70.5	21 900	73.0	15 100	74.5	11 250	76.0	6 750
9	68.5	21 900	71.0	15 100	73.0	11 250	74.5	6 750
10	66.0	21 050	69.0	15 100	71.0	11 250	73.0	6 750
12	61.5	18 800	65.0	15 100	67.5	11 250	70.0	6 750
14	56.5	16 450	60.5	14 200	64.0	11 250	66.5	6 750
16	51.0	13 550	56.0	12 900	60.0	11 250	63.5	6 750
18	45.0	11 350	51.0	11 450	56.0	10 600	60.0	6 750
20	38.0	9 650	46.0	9 750	51.5	9 750	56.5	6 750
22	29.5	8 350	39.5	8 450	46.5	8 500	52.5	6 750
24	17.5	7 250	32.5	7 350	41.0	7 400	48.5	6 750
26			23.5	6 400	35.0	6 500	44.0	6 550
28					28.0	5 700	39.0	5 800
30					17.0	5 050	33.0	5 150
32							26.0	4 550
34							15.5	4 100
Min.Bm. Ang./Cap. Radius (m)	0.0	6 000	0.0	4 900	0.0	4 050	0.0	3 200
		24.8		27.9		30.9		34.7



Fully Extended



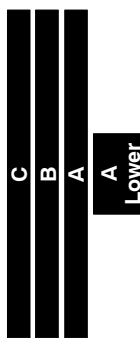
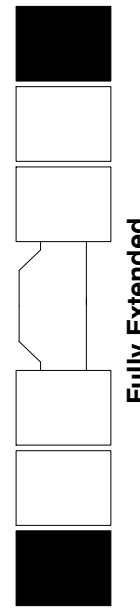
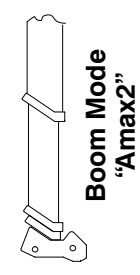
Boom Mode
"Amax2"



Main Boom List Capacities – 3 Degree List

Load Radius (m)	12.19m		15.2m		18.3m		21.3m		24.4m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	94 500	72.5	23 800	75.5	23 550	78.0	23 550		
3.5	65.5	88 400	70.5	23 800	74.5	23 550	77.0	23 550		
4	62.5	80 300	68.5	23 800	72.5	23 550	75.5	23 550	77.5	24 100
4.5	60.0	71 400	66.5	23 800	71.0	23 550	74.0	23 550	76.5	24 100
5	57.0	64 200	64.5	23 800	69.5	23 550	73.0	23 550	75.0	24 100
6	50.5	53 500	60.0	23 800	66.0	23 550	70.0	23 550	73.0	24 100
7	43.5	45 200	55.5	23 800	62.5	23 550	67.0	23 550	70.5	24 100
8	35.5	36 250	50.5	23 800	58.5	23 550	64.0	23 550	68.0	24 100
9	24.0	29 950	45.0	23 800	54.5	23 550	61.0	23 550	65.5	24 100
10			38.5	23 800	50.5	23 550	57.5	23 550	62.5	24 100
12			21.5	19 700	41.0	20 100	50.5	20 350	57.0	20 500
14					28.5	15 950	42.5	16 200	50.5	16 350
16							33.0	13 250	43.5	13 400
18							18.5	11 050	36.0	11 200
20									25.5	9 500
Min.Bm. Ang./Cap.	0.0	26 050	0.0	17 150	0.0	12 350	0.0	9 450	0.0	7 450
Radius (m)		9.6		12.6		15.7		18.7		21.8

Load Radius (m)	27.4m		30.5m		33.5m		37.34m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4.5	78.0	20 800	79.0	14 350				
5	77.0	20 800	78.5	14 350				
6	75.0	20 800	76.5	14 350	78.0	10 650		
7	73.0	20 800	74.5	14 350	76.0	10 650		
8	70.5	20 800	72.5	14 350	74.5	10 650	76.0	6 400
9	68.5	20 800	71.0	14 350	72.5	10 650	74.5	6 400
10	66.0	20 450	69.0	14 350	71.0	10 650	73.0	6 400
12	61.5	18 300	65.0	14 350	67.5	10 650	70.0	6 400
14	56.5	16 450	60.5	13 850	64.0	10 650	66.5	6 400
16	51.0	13 550	56.0	12 600	60.0	10 650	63.5	6 400
18	45.0	11 350	51.0	11 450	56.0	10 400	60.0	6 400
20	38.0	9 650	46.0	9 750	51.5	9 550	56.5	6 400
22	29.5	8 350	39.5	8 450	46.5	8 500	52.5	6 400
24	17.5	7 250	32.5	7 350	41.0	7 400	48.5	6 400
26			23.5	6 400	35.0	6 500	44.0	6 400
28					28.0	5 700	39.0	5 800
30					17.0	5 050	33.0	5 150
32							26.0	4 550
34							15.5	4 100
Min.Bm. Ang./Cap. Radius (m)	0.0	6 000	0.0	4 900	0.0	4 050	0.0	3 200
		24.8		27.9		30.9		34.7



Main Boom List Capacities – 3 Degree List

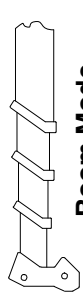
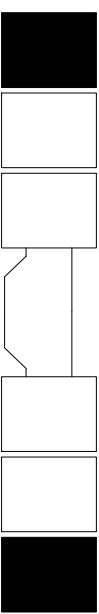
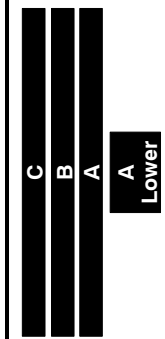
Duty Cycle Notes

1. The capacities included in the following charts are the maximum allowable, and are based on a TCC-1100 telescopic crawler crane in “Standard” boom mode, with “ABC+A” counterweight, and fully extended side frames standing level on firm supporting surface under ideal job conditions.
2. Capacities are based on 67.5% of minimum tipping loads for clamshell and magnet.
3. Capacities are maximum recommended by PCSA Standard #4. User must make allowances for soft or uneven supporting surfaces, rapid cycle operations, bucket suction, or other unfavorable conditions which may require smaller buckets for most efficient operation.
4. Weight of bucket, plus load must not exceed these capacities.
5. Boom length for clamshell/magnet attachment operation must not exceed 33.5m.
6. These capacities apply to the crane as originally manufactured and normally equipped by Link-Belt Construction Company (LBCE).
7. All other applicable notes listed in this Crane Rating Manual must be followed.

For sales use only

Not for crane operations

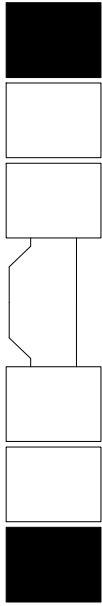
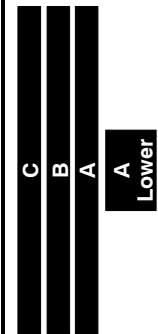
Load Radius (m)	12.19m		15.2m		18.3m		21.3m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
3	68.0	6 650	72.5	6 650	75.5	6 650	78.0	6 650
3.5	65.5	6 650	70.5	6 650	74.5	6 650	77.0	6 650
4	63.0	6 650	68.5	6 650	72.5	6 650	75.5	6 650
4.5	60.0	6 650	66.5	6 650	71.0	6 650	74.0	6 650
5	57.0	6 650	64.5	6 650	69.5	6 650	73.0	6 650
6	50.5	6 650	60.0	6 650	66.0	6 650	70.0	6 650
7	43.5	6 650	55.5	6 650	62.5	6 650	67.0	6 650
8	35.5	6 650	50.5	6 650	58.5	6 650	64.0	6 650
9	24.0	6 650	45.0	6 650	54.5	6 650	61.0	6 650
10			39.0	6 650	50.5	6 650	57.5	6 650
12			21.5	6 650	41.0	6 650	50.5	6 650
14					29.0	6 650	42.5	6 650
16							33.0	6 650
18							19.0	6 650
Min.Bm. Ang./Cap.	0.0	6 650	0.0	6 650	0.0	6 650	0.0	6 650
Radius (m)	9.6		12.6		15.7		18.7	



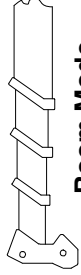
Main Boom Duty Cycle Capacities – 12.19m–33.5m Boom

Not for crane operations

Use only



Fully Extended



Boom Mode
"Standard"



Main Boom Duty Cycle Capacities – 12.19m–33.5m Boom

Load Radius (m)	24.4m		27.4m		30.5m		33.5m	
	∠°	(kg)	∠°	(kg)	∠°	(kg)	∠°	(kg)
4	77.5	6 650	78.0	6 650	79.5	6 650		
4.5	76.5	6 650	77.5	6 650	79.5	6 650		
5	75.5	6 650						
6	73.0	6 650	76.0	6 650	78.0	6 650	78.5	6 650
7	71.0	6 650	73.5	6 650	76.0	6 650	77.5	6 650
8	68.0	6 650	71.5	6 650	74.0	6 650	76.0	6 650
9	65.5	6 650	69.0	6 650	72.0	6 650	74.0	6 650
10	62.5	6 650	66.5	6 650	70.0	6 650	72.5	6 650
12	57.0	6 650	61.5	6 650	65.5	6 650	68.5	6 650
14	50.5	6 650	56.5	6 650	61.0	6 650	64.5	6 650
16	43.5	6 650	51.0	6 650	56.0	6 650	60.5	6 650
18	36.0	6 650	45.0	6 650	51.0	6 650	56.0	6 650
20	25.5	6 650	38.0	6 650	46.0	6 650	51.5	6 650
22			29.5	6 650	39.5	6 650	46.5	6 650
24			17.5	6 650	32.5	6 650	41.5	6 650
26					23.5	6 650	35.0	6 650
28							28.0	5 300
30							17.0	4 600
Min.Bm. Ang./Cap.	0.0	6 650	0.0	5 500	0.0	4 450	0.0	3 600
Radius (m)	21.8		24.8		27.9		30.9	

This Page Left Blank Intentionally

For sales use only

Not for crane operations



Tutt Bryant Heavy Lift & Shift Locations

Western Region

Perth (South Guildford), WA
 Ph: 08 9230 0500
 Email: per@tuttbryant.com.au

Karratha, WA
 Ph: 08 9143 0089
 Email: karratha@tuttbryant.com.au

Northern Region

Darwin (Berrimah), NT
 Ph: 08 8924 1333
 Email: dwn@tuttbryant.com.au

Eastern Region

Brisbane (Ormeau), QLD
 Ph: 07 5540 8700
 Email: bne@tuttbryant.com.au

Sydney (Sydney Olympic Park), NSW
 Ph: 02 9646 6000
 Email: aces@tuttbryant.com.au

Melbourne (Dandenong), VIC
 Ph: 03 9554 0300
 Email: mel@tuttbryant.com.au

Hunter Region

Muswellbrook, NSW
 Ph: 02 6541 6444
 Email: mck@tuttbryant.com.au

Online

www.tuttbryant.com.au



TUTT BRYANT
 HEAVY LIFT & SHIFT

