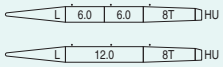
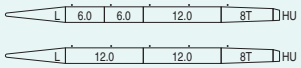
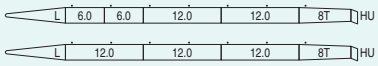
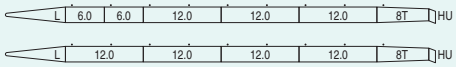
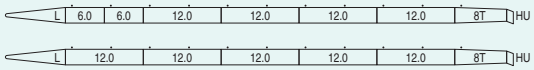
BOOM AND JIB ARRANGEMENTS

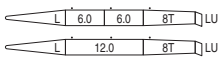
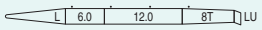
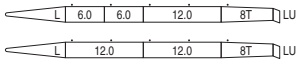
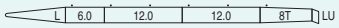
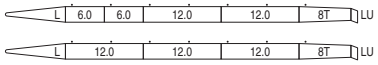
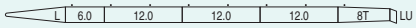
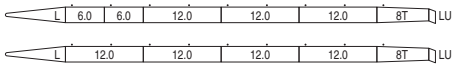
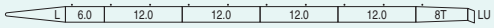
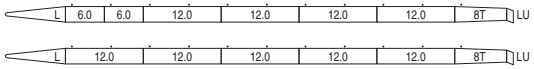
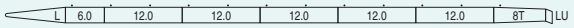
Heavy Duty Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
24 (79)	
30 (98)	※ 
36 (117)	※
42 (138)	※ 
48 (157)	※
54 (177)	※ 
60 (197)	※
66 (217)	※ 
72 (236)	※
78 (256)	※ 
84 (276)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

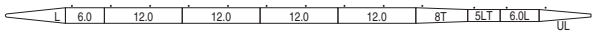
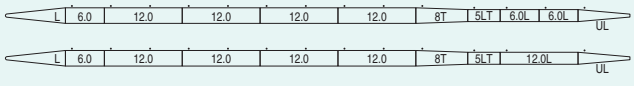
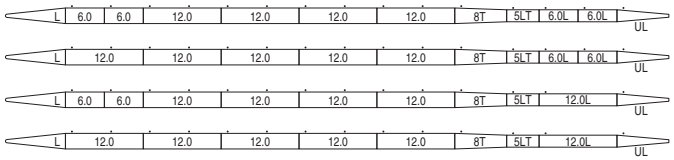
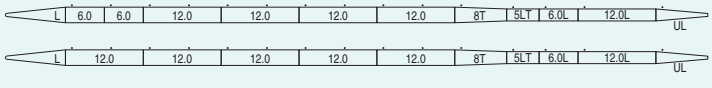
Luffing Boom Arrangements for Crane

Boom length m (ft)	Boom arrangement
30 (98)	
36 (118)	
42 (138)	
48 (157)	
54 (177)	
60 (197)	
66 (217)	
72 (236)	
78 (256)	
84 (276)	

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
LU	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Long Boom Arrangements

Boom length m (ft)	Boom arrangement
90 (295)	
96 (315)	
102 (335)	
108 (354)	

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
5.0	5.0 m (16.4 ft)	Luffing Insert Jib
6.0	6.0 m (19.7 ft)	Luffing Insert Jib
12.0	12.0 m (39.4 ft)	Luffing Insert Jib
JU	8.0 m (26.2 ft)	Jib Tip

※indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

STANDARD

Heavy Fixed Jib Boom Arrangements

Boom length m (ft)	Boom arrangement
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 8T LU
72 (236)	※ L 6.0 12.0 12.0 12.0 12.0 8T LU
78 (256)	※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 12.0 8T LU

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
LU	1.0 m (3.3 ft)	Boom Tip

mark shows the guy line installing position when the fixed jib is used.

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Heavy Fixed Jib Arrangements

Jib length m (ft)	Jib arrangement
18 (59)	JL JU

Symbol	Jib Length	Remarks
JL	10.0 m (32.8 ft)	Jib Base
JU	8.0 m (26.2 ft)	Jib Tip

Luffing Boom Arrangements for Luffing

Boom length m (ft)	Boom arrangement
30 (98)	※ L 6.0 6.0 8T LU L 12.0 8T LU
36 (118)	※ L 6.0 12.0 8T LU
42 (138)	※ L 6.0 6.0 12.0 8T LU L 12.0 12.0 8T LU
48 (157)	※ L 6.0 12.0 12.0 8T LU
54 (177)	※ L 6.0 6.0 12.0 12.0 8T LU L 12.0 12.0 12.0 8T LU
60 (197)	※ L 6.0 12.0 12.0 12.0 8T LU

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
LU	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Luffing Jib Arrangements

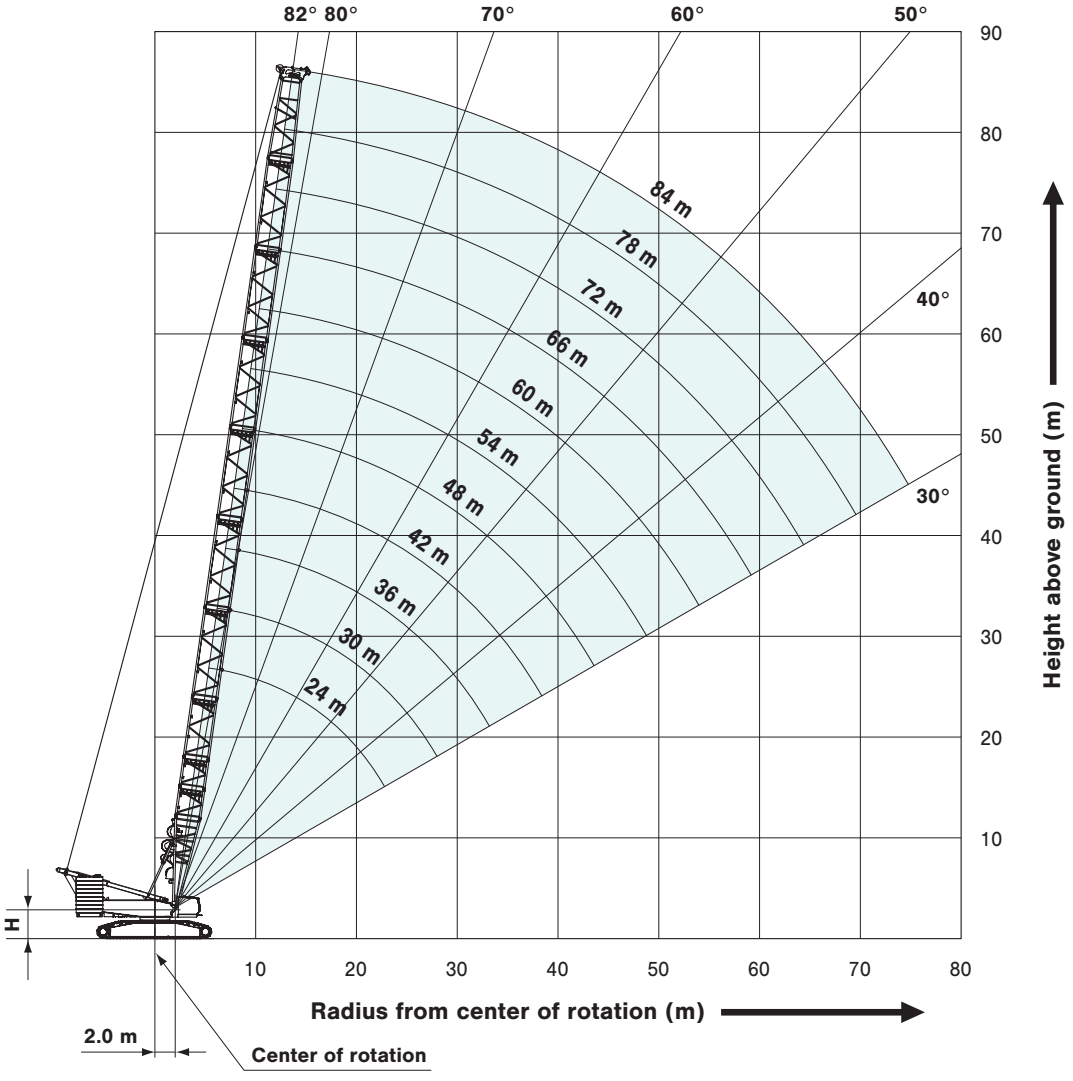
Jib length m (ft)	Jib arrangement
24 (79)	L 6.0 JU
30 (98)	※ L 6.0 6.0 JU L 12.0 JU
36 (118)	※ L 6.0 12.0 JU
42 (138)	※ L 6.0 6.0 12.0 JU L 12.0 12.0 JU
48 (157)	※ L 6.0 12.0 12.0 JU
54 (177)	※ L 6.0 6.0 12.0 12.0 JU L 12.0 12.0 12.0 JU
60 (197)	※ L 6.0 12.0 12.0 12.0 JU
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 JU L 12.0 12.0 12.0 12.0 JU
72 (236)	※ L 6.0 12.0 12.0 12.0 12.0 JU

Symbol	Jib Length	Remarks
JL	10.0 m (32.8 ft)	Jib Base
6.0	6.0 m (19.7 ft)	Luffing Insert Jib
12.0	12.0 m (39.4 ft)	Luffing Insert Jib
JU	8.0 m (26.2 ft)	Jib Tip

※indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

WORKING RANGES

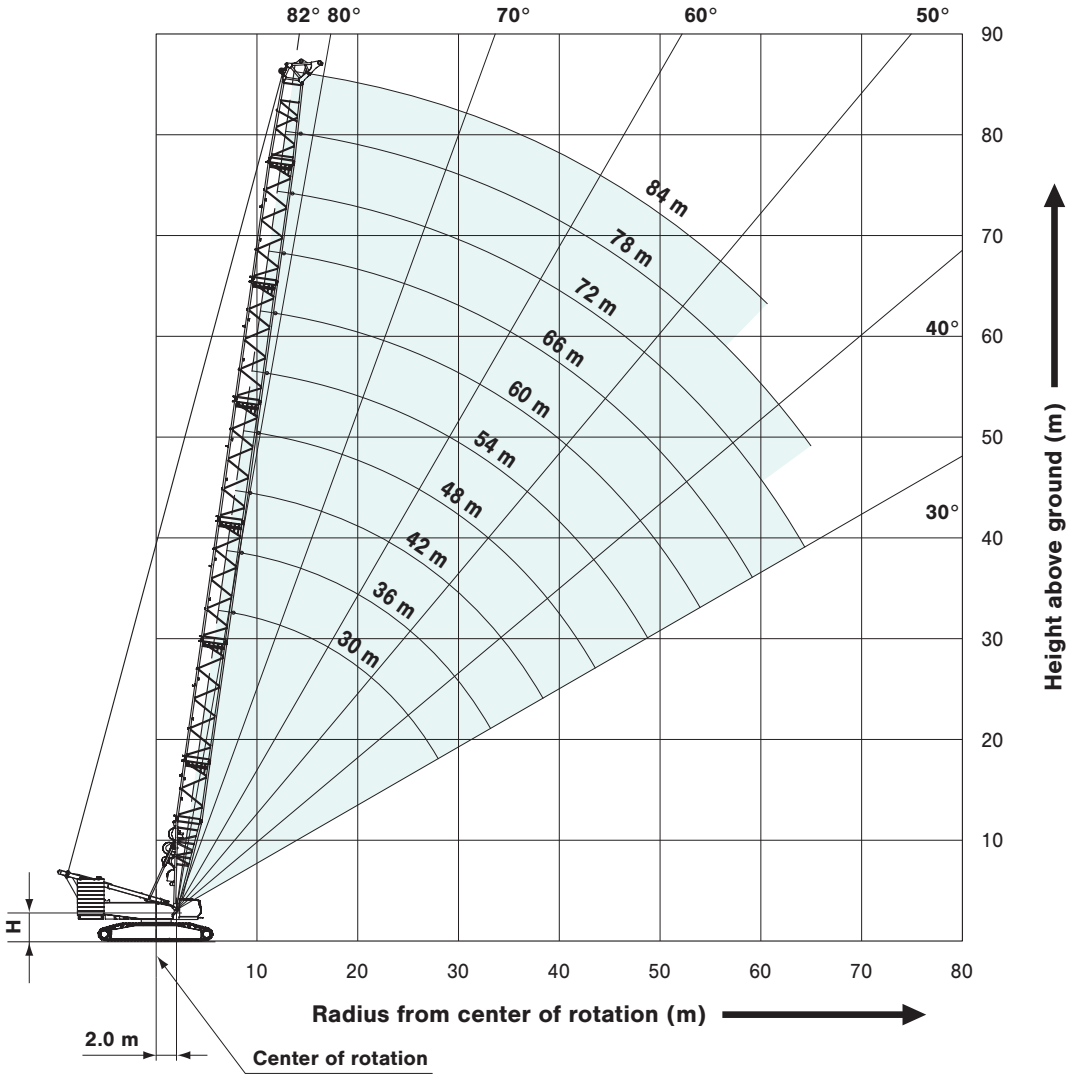
Heavy Duty Crane Boom



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

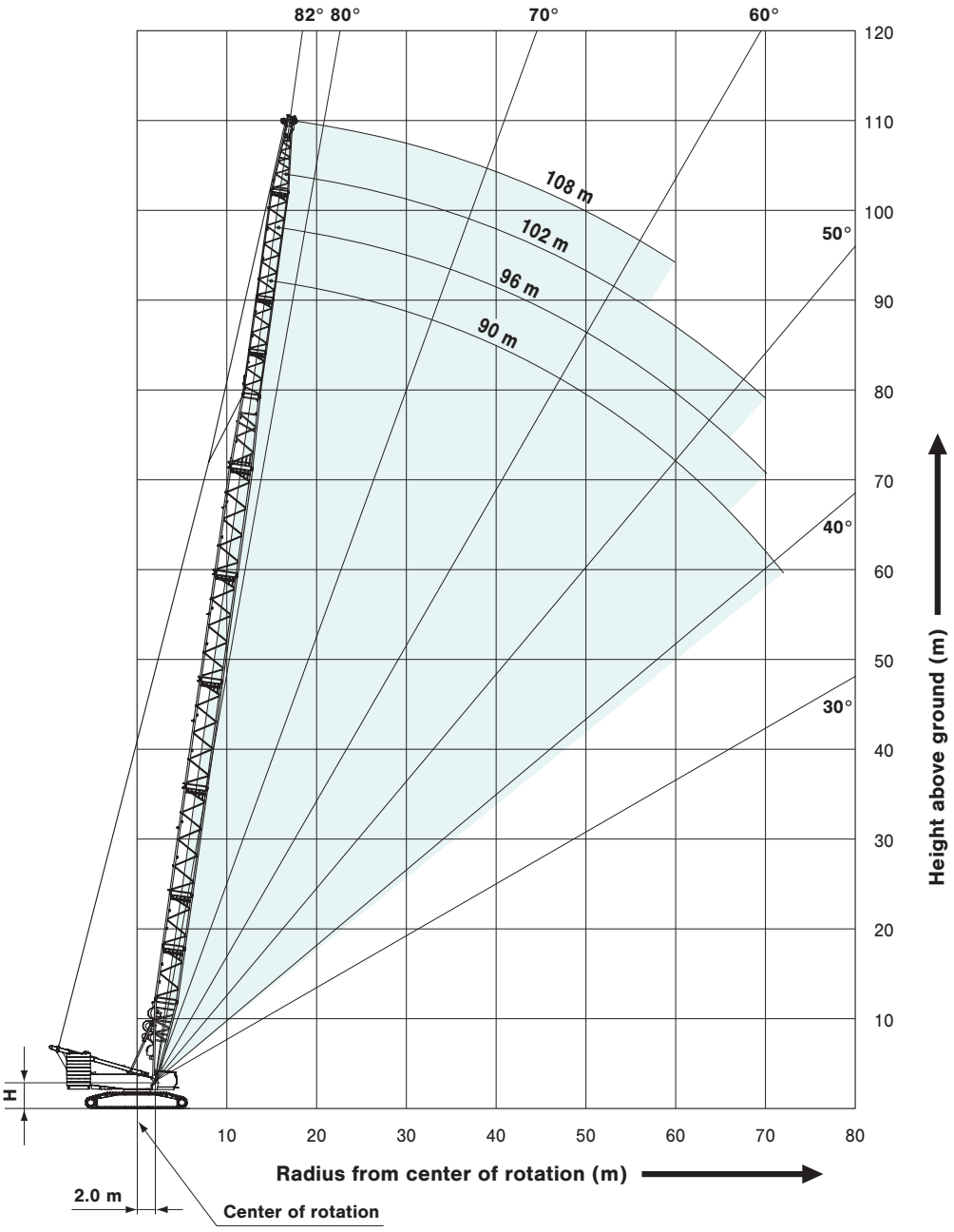
WORKING RANGES

Luffing Boom



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

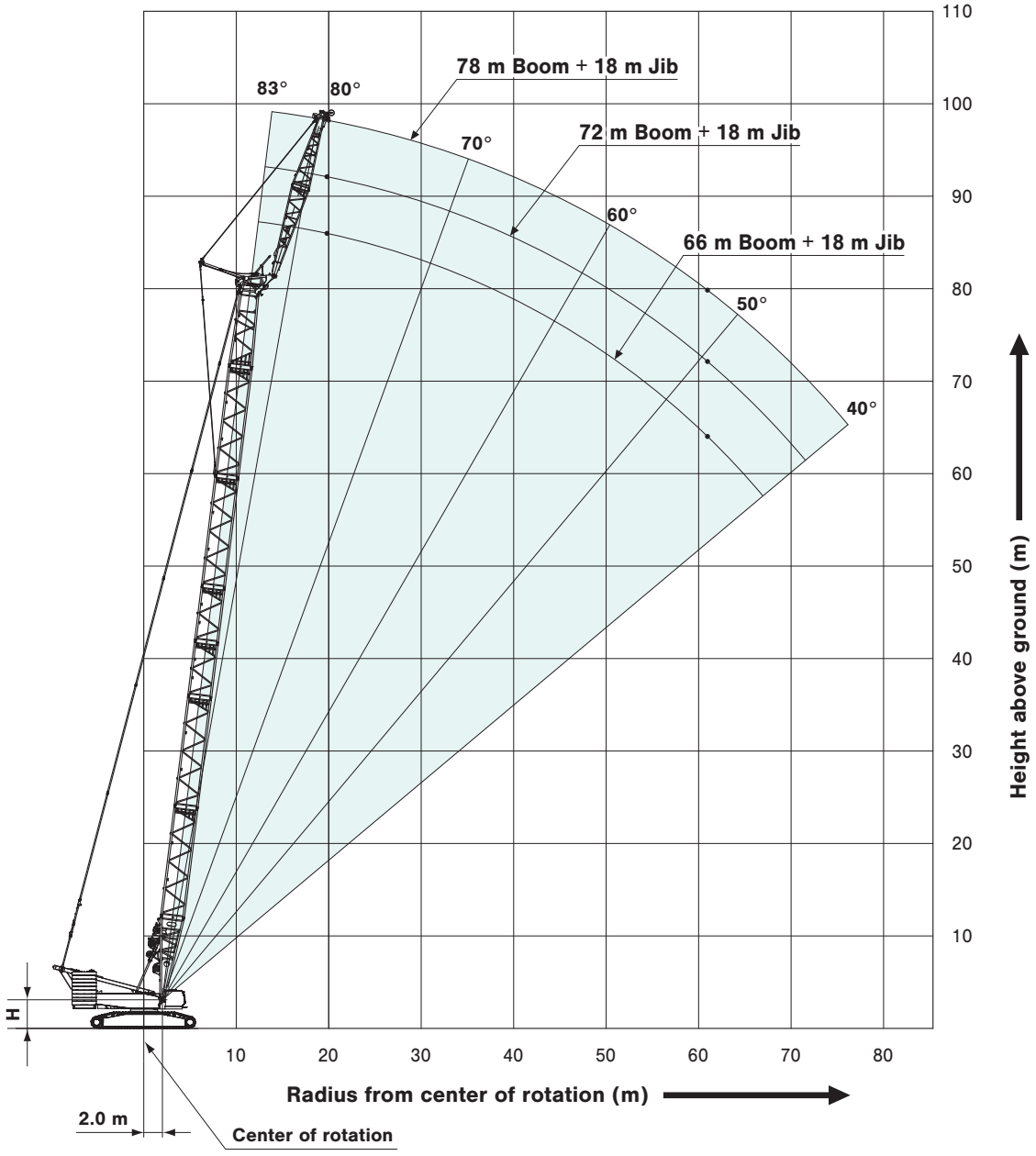
Long Boom



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

WORKING RANGES

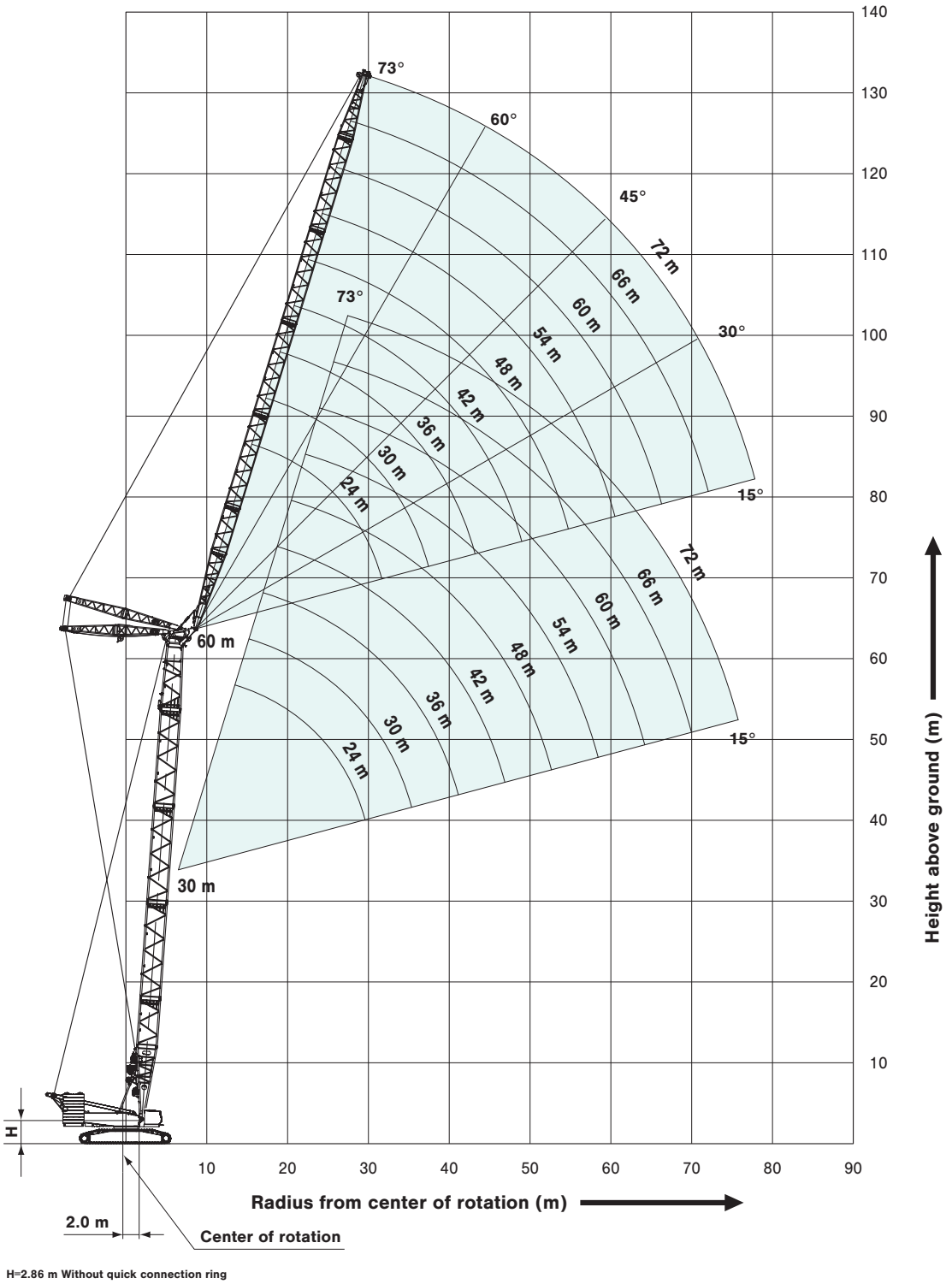
Heavy Fixed Jib (Type A)



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

Luffing Jib

Boom Angle: 86°

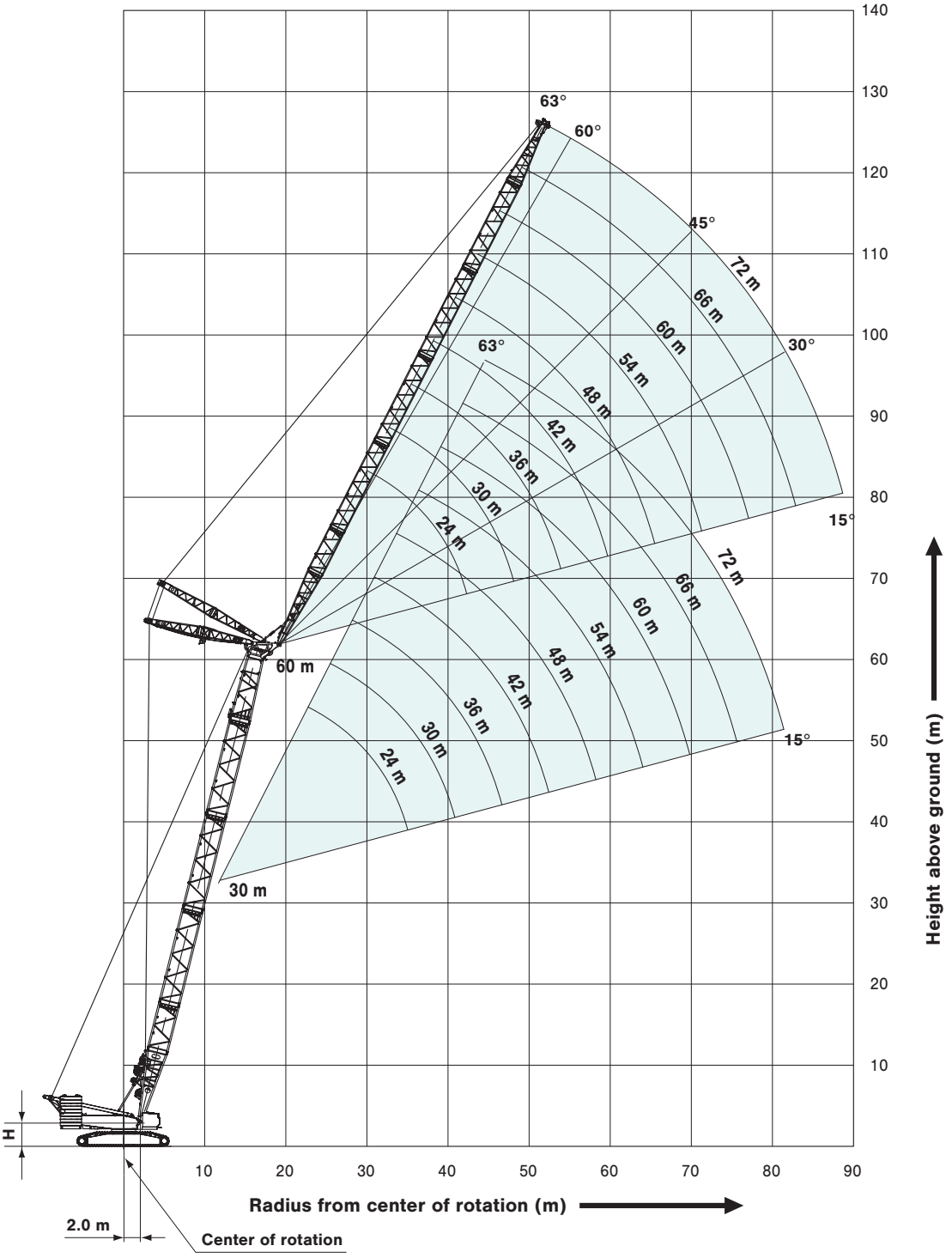


H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

WORKING RANGES

Luffing Jib

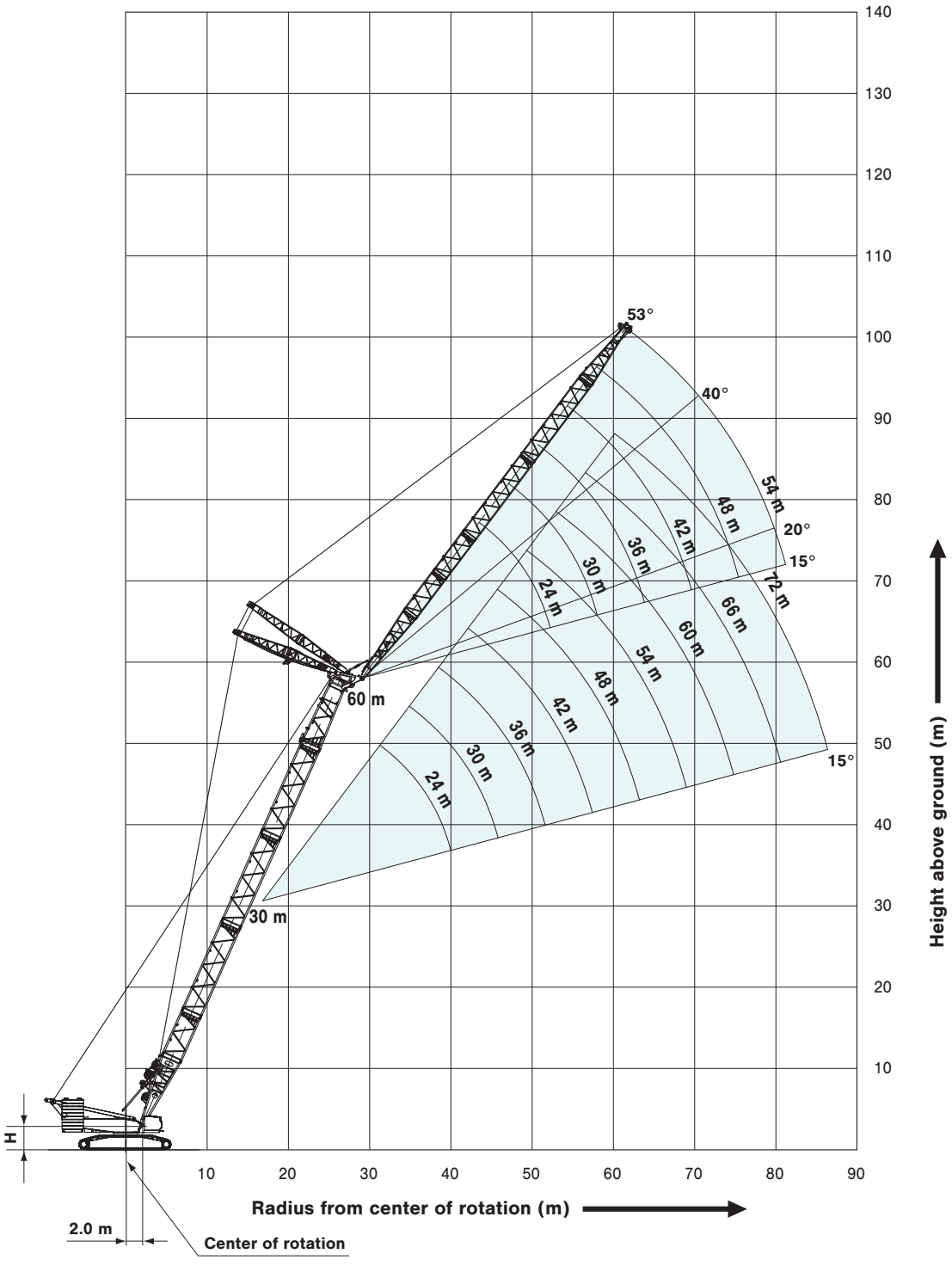
Boom Angle: 76°



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

Luffing Jib

Boom Angle: 66°



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

CRANE BOOM SUPPLEMENTAL DATA

1. Designed and rated to comply with EN13000.
2. Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
3. Deduct weight of hook block(s), slings and all other load handling accessories from main boom ratings shown.
4. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions, out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
5. Ratings are for operation on a firm and level surface, up to 1% gradient.
6. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
7. Boom inserts, guy link and guy lines must be arranged as shown in the "OPERATOR'S MANUAL".
8. Boom hoist reeving is 30 part line. HL/SHL boom hoist reeving is 18 part line.
9. Boom backstops are required for all boom lengths.
10. The boom should be erected over the front of the crawlers, not laterally.
11. Ratings inside of boxes ☐ are limited by strength of materials.
12. When erecting and lowering the boom length of 102 m or over, the blocks for erection must be placed at the end of the crawlers. (for STD MAST)
13. When erecting and lowering the boom length of 108 m, the blocks for erection must be placed at the end of the crawlers. (for HL MAST)
14. The minimum rated show below.

Minimum Rated Load		
Heavy Crane	STD Crane	Long Crane
12.1 ton	7.7 ton	6.2 ton

15. (Main Boom Lifting)

The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom ratings shown.

16. (Main Boom Lifting with Auxiliary Sheave Frame)

The total load that can be lifted is weight of auxiliary sheave frame, hook block(s), slings, and all other load handling accessories deducted from main boom ratings shown.

Deduction auxiliary sheave frame		
Heavy Crane	STD Crane	Long Crane
0.7 ton	0.7 ton	0.7 ton

17. (Auxiliary Sheave Lifting)

The total load that can be lifted is weight of auxiliary sheave frame, hook block(s), slings, and all other load handling accessories deducted from main boom ratings shown.

Deduction auxiliary sheave frame		
Heavy Crane	STD Crane	Long Crane
0.7 ton	0.7 ton	0.7 ton

18. Ratings shown, but it should not exceed 14.0 ton in case of one reeve. and it should not exceed 28.0 ton in case of two reeves.
19. Auxiliary sheave ratings at any radius from center of rotation are the same as crane ratings shown in table for main boom when operated at the same radius. But maximum angle is the same main boom maximum angle.
20. Boom lengths for auxiliary sheave mounting show below.

	Mast for STD	Mast for HL	Mast for SHL
Heavy Crane	NONE	NONE	NONE

	Mast for STD	Mast for HL	Mast for SHL
STD Crane	30 m to 84 m	36 m to 84 m	36 m to 84 m

	Mast for STD	Mast for HL	Mast for SHL
Long Crane	90 m to 102 m	90 m to 108 m	90 m to 120 m

21. Maximum hoist load for number of reeving parts of line for hoist rope.

Main Hoist Loads (Single Drum)

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	137	275	412	549	686
Maximum Loads (t)	14.0	28.0	42.0	56.0	70.0

No. of Parts of Line	6	7	8	9	10
Maximum Loads (kN)	824	961	1,098	1,236	1,373
Maximum Loads (t)	84.0	98.0	112.0	126.0	140.0

No. of Parts of Line	11	12	13	14	15
Maximum Loads (kN)	1,491	1,608	1,706	1,804	1,883
Maximum Loads (t)	152.0	164.0	174.0	184.0	192.0

No. of Parts of Line	16
Maximum Loads (kN)	1,961
Maximum Loads (t)	200.0

Main Hoist Loads for Heavy Boom (Double Drum)

No. of Parts of Line	8	12	16	20	24
Maximum Loads (kN)	1,098	1,608	2,157	2,746	3,295
Maximum Loads (t)	112.0	164.0	220.0	280.0	336.0

No. of Parts of Line	28	36	44
Maximum Loads (kN)	3,628	4,413	5,394
Maximum Loads (t)	370.0	450.0	550.0

Main Hoist Loads for STD Boom (Double Drum)

No. of Parts of Line	8	12	16	20	24
Maximum Loads (kN)	1,098	1,608	2,157	2,746	2,942
Maximum Loads (t)	112.0	164.0	220.0	280.0	300.0

Auxiliary Hoist Loads

No. of Parts of Line	1	2
Maximum Loads (kN)	137	275
Maximum Loads (t)	14.0	28.0

22. Weight of hook block

Weight of hook block				
Hook block	550/450 ton	300 ton (with hanger sheave)	200 ton (w/o hanger sheave)	120 ton
Weight (t)	11.7	9.9 (*1)	7.1 (*2)	4.5

Weight of hook block			
Hook block	70 ton	40 ton	14 ton Ball hook
Weight (t)	3.1	2.0	0.9

*1: 7.82 ton: when hanger sheave is not equipped.
*2: To reeve 11 parts line or over hanger sheave (2 t) is not required.

23. The rated load of the work when the strut guy line is installed on the boom upper surface is value in the rated load chart minus the value in the table below.

Heavy crane, STD crane					
Boom length(m)	24	30	36	42	48
Subtract load(t)	0.4	0.6	0.7	0.9	1.1

Heavy crane, STD crane					
Boom length(m)	54	60	66	72	78
Subtract load(t)	1.2	1.4	1.6	1.7	1.9

Heavy crane, STD crane	
Boom length(m)	84
Subtract load(t)	2.1

Long crane					
Boom length(m)	90	96	102	108	114
Subtract load(t)	1.7	1.7	1.9	1.9	2.1

Long crane		
Boom length(m)	120	126
Subtract load(t)	2.1	2.1

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

HEAVY FIXED JIB SUPPLEMENTAL DATA

1. Designed and rated to comply with EN13000.
2. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
3. Rated loads do not exceed 75% of minimum tipping loads. Ratings inside of boxes ▭ are limited by strength of material or other factor except machine stability.
4. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals. If these manuals are missing, obtain replacements.
   - Boom backstops are required for all boom lengths.
   - The crane must be leveled to within 1% on a firm supporting surface.
5. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
6. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
7. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.

8. Configuration

Symbol	Counterweight	Carbody Weight	HL Mast Radius	Pallet Weight
A	200 t	50 t	NONE	NONE
B1	200 t	50 t	11 m	NONE
B2	200 t	50 t	11 m	10 t
C	200 t	50 t	11 m	130 t

9. Boom and Heavy Fixed Jib combinations

Boom	Jib	Type of configuration			
		A	B1	B2	C
66 m	18 m	Y	Y	Y	N
72 m	18 m	Y	Y	Y	
78 m	18 m	Y	Y	Y	
84 m	18 m	N			Y
90 m	18 m				Y
96 m	18 m				Y
102 m	18 m				Y

Y: Applicable boom and heavy fixed jib combination
N: Not applicable boom and heavy fixed jib combination

10. The boom should erected lowered over the front of the crawlers

Boom	Jib	Type of configuration			
		A	B1	B2	C
66 m	18 m	N	N	N	
72 m	18 m	N	N	N	
78 m	18 m	Y	N	N	
84 m	18 m				N
90 m	18 m				N
96 m	18 m				N
102 m	18 m				N

Y: the blocks must be placed at the end of the crawlers for erection and lowering.
N: the blocks is not needed for erection and lowering.

11. To prevent the boom from leaning toward backward, the own weight of hook block attached to heavy fixed jib point must be equal to or more than 4.5 t.

12. Maximum hoist load for number of reeving parts of line for hoist rope.

Main Boom Hoist Loads (Double Drum)

No. of Parts of Line	8(2x4)	10(2x5)
Maximum Loads (kN)	1,098	1,177
Maximum Loads (t)	112.0	120.0

Main Boom Hoist Loads (Single Drum)

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	137	275	412	549	686
Maximum Loads (t)	14.0	28.0	42.0	50.0	70.0

No. of Parts of Line	6	7	8
Maximum Loads (kN)	824	961	1,098
Maximum Loads (t)	84.0	98.0	112.0

13. Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

LUFFING JIB SUPPLEMENTAL DATA

1. Designed and rated to comply with EN13000.
2. Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
3. Deduct weight of hook block(s),slings and all other load handling accessories from luffing jib ratings shown.
4. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions, out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. the operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
5. Ratings are for operation on a firm and level surface, up to 1 % gradient.
6. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
7. Boom and jib inserts and guy lines must be arranged as shown in the "OPERATOR'S MANUAL".
8. Boom hoist reeving is 30 part line. HL/SHL boom hoist reeving is 18 part line. Jib hoist reeving is 18 part line.
9. Boom and jib backstops are required for all boom lengths.
10. The boom should be erected over the front of the crawlers, not laterally.
11. Ratings inside of boxes ▭ are limited by strength of materials.
12. When erecting and lowering the boom length of 54m or over, the blocks for erection must be placed at the end of the crawlers. (for STD MAST)
13. The minimum rated load is 4.0 ton.
14. **(Luffing Jib Rating Loads)**
    The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from luffing jib ratings shown.
15. **(Luffing Jib Lifting with Auxiliary Sheave Frame)**
    The total load that can be lifted is weight of hook block, slings, and all other load handling accessories deducted from luffing jib ratings shown.
16. **(Auxiliary Sheave Lifting)**
    The total load that can be lifted over an auxiliary sheave is weight of hook block, slings, and all other load handling accessories deducted from luffing jib ratings shown, but it should not exceed 14.0 ton in case of one reeve.
    It should not exceed 28.0 ton in case of two reeves.
    Boom and jib combinations for auxiliary sheave mounting are all boom and jib combinations.
    Auxiliary sheave ratings at any radius from center of rotation are the same as luffing ratings shown in table for jib when operated at the same radius.
    But maximum angle is the same jib maximum angle.

17. Luffing boom and jib combinations.

		Jib Length										
		24 m (79 ft)	30 m (98 ft)	36 m (118 ft)	42 m (138 ft)	48 m (157 ft)	54 m (177 ft)	60 m (197 ft)	66 m (217 ft)	72 m (236 ft)	78 m (256 ft)	84 m (276 ft)
Boom Length	30 m (98 ft)	○*	○*	○*	○*	○*	○*	○*	○*	○*	×	×
	36 m (118 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	42 m (138 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	48 m (157 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	54 m (177 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	60 m (197 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	66 m (217 ft)	○***	○***	○***	○***	○***	○***	○***	○***	○***	○**	○**
	72 m (236 ft)	○**	○**	○**	○**	○**	○**	○**	○**	○**	○**	○**
	78 m (256 ft)	×	○**	○**	○**	○**	○**	○**	○**	○**	○**	○**
	84 m (276 ft)	×	○**	○**	○**	○**	○**	○**	○**	○**	○**	○**

× : All luffing jib combinations which is not allowed.
○ : All luffing jib combinations which is allowed.
○* : STD luffing jib combinations which is allowed.
○** : SHL luffing jib combinations which is allowed.
○*** : HL and SHL luffing jib combinations which is allowed.

18. Maximum hoist load for number of reeving parts of line for hoist rope.

For Jib Hook (Single Drum)

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	137	275	412	549	686
Maximum Loads (t)	14.0	28.0	42.0	56.0	70.0

No. of Parts of Line	6	7	8	9	10
Maximum Loads (kN)	824	961	1,098	1,236	1,373
Maximum Loads (t)	84.0	98.0	112.0	126.0	140.0

No. of Parts of Line	11	12	13	14	15
Maximum Loads (kN)	1,491	1,608	1,706	1,804	1,883
Maximum Loads (t)	152.0	164.0	174.0	184.0	192.0

No. of Parts of Line	16
Maximum Loads (kN)	1,961
Maximum Loads (t)	200.0

For Jib Hook (Double Drum)

No. of Parts of Line	8	12	16
Maximum Loads (kN)	1,098	1,608	1,961
Maximum Loads (t)	112.0	164.0	200.0

For Auxiliary Sheave

No. of Parts of Line	1	2
Maximum Loads (kN)	137	275
Maximum Loads (t)	14.0	28.0

Weight of hook block					
Hook block	200 ton	120 ton	70 ton	40 ton	14 ton Ball hook
Weight (t)	7.1	4.5	3.1	2.0	0.9

19. Maximum number of reeving parts of line for hoist rope.

STD Luffing Jib (For Double Drum)

		Jib Length (m)								
		24	30	36	42	48	54	60	66	72
Boom Length (m)	30	16	12	12	8	8	8	8	8	8
	36	16	12	12	8	8	8	8	8	8
	42	16	12	12	8	8	8	8	8	8
	48	12	12	12	8	8	8	8	8	8
	54	12	12	12	8	8	8	8	8	8
	60	12	12	8	8	8	8	8	8	8

HL Luffing Jib (For Double Drum)

		Jib Length (m)								
		24	30	36	42	48	54	60	66	72
Boom Length (m)	36	16	16	12	12	12	8	8	8	8
	42	16	16	12	12	12	8	8	8	8
	48	16	16	12	12	8	8	8	8	8
	54	16	12	12	12	8	8	8	8	8
	60	12	12	12	12	8	8	8	8	8
	66	12	12	12	8	8	8	8	8	8

SHL Luffing Jib (For Double Drum)

		Jib Length (m)										
		24	30	36	42	48	54	60	66	72	78	84
Boom Length (m)	36	16	16	12	12	12	12	8	8	8	8	8
	42	16	16	12	12	12	8	8	8	8	8	8
	48	16	16	12	12	12	8	8	8	8	8	8
	54	16	16	12	12	12	8	8	8	8	8	8
	60	16	12	12	12	8	8	8	8	8	8	8
	66	12	12	12	8	8	8	8	8	8	8	8
	72	12	12	12	8	8	8	8	8	8	8	8
	78	×	12	8	8	8	8	8	8	8	8	8
	84	×	8	8	8	8	8	8	8	8	8	×

× : Combinations which is not allowed.

STD Luffing Jib (For Single Drum)

		Jib Length (m)								
		24	30	36	42	48	54	60	66	72
Boom Length (m)	30	13	11	10	8	8	7	7	6	5
	36	11	10	9	8	8	7	7	6	5
	42	10	9	9	8	7	7	6	6	5
	48	9	9	8	7	7	6	6	6	5
	54	9	8	7	7	6	6	6	5	5
	60	8	7	7	6	6	6	5	5	4

HL Luffing Jib (For Single Drum)

		Jib Length (m)								
		24	30	36	42	48	54	60	66	72
Boom Length (m)	36	11	10	9	9	8	7	7	6	5
	42	10	9	9	8	7	7	6	6	5
	48	9	9	8	7	7	6	6	6	5
	54	9	8	7	7	6	6	6	5	5
	60	8	7	7	6	6	6	5	5	5
	66	7	7	6	6	6	5	5	5	4

SHL Luffing Jib (For Single Drum)

		Jib Length (m)										
		24	30	36	42	48	54	60	66	72	78	84
Boom Length (m)	36	11	10	9	9	8	7	7	6	6	4	4
	42	10	9	9	8	7	7	6	6	5	4	4
	48	9	9	8	7	7	6	6	6	5	4	4
	54	9	8	7	7	6	6	6	5	5	4	4
	60	8	7	7	6	6	6	5	5	5	4	4
	66	7	7	6	6	6	5	5	5	4	4	3
	72	7	6	6	5	5	5	5	4	4	4	3
	78	×	6	5	5	5	5	4	4	4	3	3
	84	×	5	5	5	5	4	4	4	3	3	3

× : Combinations which is not allowed.

20. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

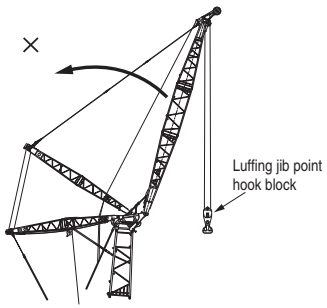
Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

LUFFING JIB SUPPLEMENTAL DATA

21. Hook block and number of reeving parts of line restriction

(1) The self-weight of luffing jib point hook block must be heavier than or equal to the table below.

(2) Total number of reeving parts of line on luffing jib point hook block must be larger than or equal to the table below.



Danger!

Follow the both (1) and (2) above at a same time for the luffing jib operation.

Otherwise luffing jib may tip over the backwards due to lack of weight on front side of boom.

Failure to observe this precaution may lead to the jib tipping backwards and resulted to machine collapsing.

SL6000G minimum hook block self-weight and minimum number of reeving parts of line on hook block

Boom Length	Jib Length	24 m (79 ft)	30 m (98 ft)	36 m (118 ft)	42 m (138 ft)	48 m (157 ft)	54 m (177 ft)	60 m (197 ft)	66 m (217 ft)	72 m (236 ft)	78 m (256 ft)	84 m (276 ft)
30 m (98 ft)	Hook Block Self-Weight (kg)	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	13	6	4	2	2	2	2	2	2	2	2
36 m (118 ft)	Hook Block Self-Weight (kg)	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	11	6	4	2	2	2	2	2	2	2	2
42 m (138 ft)	Hook Block Self-Weight (kg)	7,050	7,050	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	10	9	4	2	2	2	2	2	2	2	2
48 m (157 ft)	Hook Block Self-Weight (kg)	7,050	7,050	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	9	9	4	2	2	2	2	2	2	2	2
54 m (177 ft)	Hook Block Self-Weight (kg)	7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	9	8	6	2	2	2	2	2	2	2	2
60 m (197 ft)	Hook Block Self-Weight (kg)	7,050	7,050	7,050	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	8	7	7	3	2	2	2	2	2	2	2
66 m (217 ft)	Hook Block Self-Weight (kg)	7,050	7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	7	7	6	2	2	2	2	2	2	2	2
72 m (236 ft)	Hook Block Self-Weight (kg)	7,050	7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	7	6	6	2	2	2	2	2	2	2	2
78 m (256 ft)	Hook Block Self-Weight (kg)		7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line		6	5	2	2	2	2	2	2	2	2
84 m (276 ft)	Hook Block Self-Weight (kg)		7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line		5	5	3	2	2	2	2	2	2	2

Weight of KOBELCO genuine hook block.

200 t hook block	7,050 kg	70 t hook block	3,100 kg
120 t hook block	4,500 kg	40 t hook block	2,000 kg

LIFTING CAPACITIES

Heavy Duty Crane Boom Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton

Working Radius (m) \ Boom Length (m)	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom Length (m) \ Working Radius (m)
6.0	6.7 m/450.0											6.0
7.0	447.1	7.5 m/417.3										7.0
8.0	391.2	391.2	8.3 m/370.0									8.0
9.0	347.7	347.7	347.7	9.2 m/333.8								9.0
10.0	307.0	307.0	306.0	305.0	10.0 m/291.6	10.9 m/254.8	11.7 m/224.8					10.0
12.0	246.0	246.8	246.0	245.0	240.4	230.0	220.4	12.5 m/198.6	13.4 m/176.4			12.0
14.0	201.5	202.5	202.5	201.7	200.5	193.6	186.2	179.1	172.3	14.2 m/157.1	15.0 m/139.7	14.0
16.0	169.5	170.7	170.7	169.9	168.7	166.5	160.5	154.7	149.2	143.7	136.8	16.0
18.0	144.4	144.2	144.3	144.0	143.1	142.9	140.5	135.5	130.9	126.2	121.8	18.0
20.0	124.0	123.8	123.9	123.4	122.6	122.3	121.2	120.1	116.1	112.0	108.1	20.0
22.0	22.0 m/108.3	108.0	108.0	107.5	106.6	106.3	105.2	104.9	103.8	100.2	96.8	22.0
24.0		95.5	95.4	94.9	93.9	93.6	92.5	92.1	91.1	90.0	87.1	24.0
26.0		85.3	85.1	84.5	83.6	83.2	82.1	81.7	80.7	79.5	78.9	26.0
28.0		76.8	76.6	76.0	75.0	74.6	73.4	73.0	72.0	70.8	70.6	28.0
30.0		28.6 m/74.6	69.4	68.7	67.7	67.3	66.1	65.7	64.6	63.5	63.2	30.0
32.0			63.3	62.6	61.5	61.0	59.9	59.4	58.4	57.2	56.9	32.0
34.0			33.8 m/58.5	57.3	56.2	55.7	54.5	54.0	52.9	51.7	51.4	34.0
36.0				52.6	51.5	51.0	49.8	49.2	48.2	47.0	46.6	36.0
38.0				48.6	47.5	46.9	45.7	45.1	44.0	42.8	42.4	38.0
40.0				39.0 m/46.8	43.9	43.2	42.0	41.4	40.3	39.1	38.7	40.0
44.0					37.8	37.1	35.8	35.1	34.1	32.8	32.4	44.0
48.0					44.2 m/37.6	32.1	30.8	30.1	29.0	27.7	27.2	48.0
52.0						49.4 m/30.6	26.7	25.9	24.8	23.5	23.0	52.0
56.0							54.6 m/24.5	22.4	21.3	19.6	18.8	56.0
60.0								59.8 m/19.3	18.0	16.1	60.0 m/15.2	60.0
64.0									15.0	64.0 m/13.1		64.0
68.0									65.0 m/14.4			68.0
Reeves	36	36	28	24	24	20	20	16	16	12	12	Reeves

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.

Heavy Fixed Jib (Type A) Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton

Jib Length (m)	18.0			Jib Length (m)
Working Radius (m) \ Boom Length (m)	66.0	72.0	78.0	Boom Length (m) \ Working Radius (m)
20.0	105.0	100.0	95.0	20.0
22.0	98.1	94.7	91.2	22.0
24.0	88.1	85.0	81.9	24.0
26.0	79.6	76.7	73.8	26.0
28.0	71.1	69.5	66.8	28.0
30.0	63.6	62.3	60.6	30.0
34.0	51.5	50.1	48.6	34.0
38.0	42.0	40.6	39.1	38.0
42.0	34.4	33.0	31.5	42.0
46.0	28.2	26.8	25.3	46.0
50.0	23.1	21.7	20.1	50.0
54.0	18.7	17.3	15.7	54.0
58.0	14.9	13.5	11.9	58.0
62.0	11.6	10.3	8.7	62.0
Reeves	8	8	8	Reeves

Note : Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.

Long Boom Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton

Working Radius (m) \ Boom Length (m)	90.0	96.0	102.0	108.0	Boom Length (m) \ Working Radius (m)
14.0	15.0 m/98.0	15.8 m/84.0			14.0
16.0	98.0	84.0	16.6 m/70.0	17.5m /70.0	16.0
18.0	98.0	84.0	70.0	70.0	18.0
20.0	96.5	84.0	70.0	70.0	20.0
22.0	87.7	84.0	70.0	70.0	22.0
24.0	80.4	80.4	70.0	70.0	24.0
26.0	74.2	74.2	70.0	70.0	26.0
28.0	68.9	68.9	68.0	62.5	28.0
30.0	62.6	64.3	62.3	55.9	30.0
32.0	56.7	59.7	57.2	50.3	32.0
34.0	51.5	54.9	52.7	45.3	34.0
36.0	46.9	50.1	48.6	41.0	36.0
38.0	42.8	45.9	45.0	37.1	38.0
40.0	39.1	42.1	41.3	33.6	40.0
44.0	32.8	35.7	34.6	27.6	44.0
48.0	27.6	30.5	29.1	22.7	48.0
52.0	23.1	26.0	24.5	18.6	52.0
56.0	19.3	22.0	20.5	15.0	56.0
60.0	16.0	18.5	17.1	60.0m /11.9	60.0
64.0	13.1	15.5	14.1		64.0
68.0	10.4	12.9	11.4		68.0
72.0	72.0m /8.1	70.0m /11.7	70.0m /10.2		72.0
Reeves	7	6	5	5	Reeves

Note : Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Boom Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton

Working Radius (m) \ Boom Length (m)	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom Length (m) \ Working Radius (m)
7.0	7.7 m/300.0										**7.0**
8.0	300.0	8.5 m/300.0									**8.0**
9.0	300.0	300.0	9.3 m/300.0								**9.0**
10.0	300.0	300.0	300.0	10.2 m/280.0	11.0 m/248.5	11.8 m/220.0					**10.0**
12.0	244.1	243.6	242.7	238.1	227.8	218.2	12.7 m/196.6	13.5 m/164.0			**12.0**
14.0	200.6	200.0	199.2	198.3	191.3	184.0	176.8	164.0	14.3 m/155.5	15.2 m/138.6	**14.0**
16.0	168.9	168.7	167.8	166.9	164.2	158.2	152.4	146.9	141.5	136.3	**16.0**
18.0	143.1	142.7	142.0	141.8	141.0	138.1	133.2	128.6	124.0	119.6	**18.0**
20.0	122.7	122.3	121.5	121.2	120.4	120.0	117.8	113.8	109.7	105.9	**20.0**
22.0	106.9	106.4	105.6	105.2	104.4	104.0	103.0	101.5	97.9	94.5	**22.0**
24.0	94.3	93.8	93.0	92.5	91.7	91.2	90.2	90.0	88.0	84.8	**24.0**
26.0	84.0	83.5	82.6	82.2	81.3	80.8	79.8	79.5	78.5	76.6	**26.0**
28.0	75.4	74.9	74.1	73.5	72.6	72.1	71.1	70.8	69.7	68.7	**28.0**
30.0	28.7 m/72.8	67.7	66.8	66.3	65.4	64.8	63.7	63.5	62.4	61.3	**30.0**
32.0		61.6	60.7	60.1	59.1	58.6	57.5	57.2	56.1	55.0	**32.0**
34.0		33.9 m/56.6	55.3	54.7	53.7	53.2	52.1	51.7	50.6	49.5	**34.0**
36.0			50.7	50.0	49.1	48.4	47.3	47.0	45.8	44.7	**36.0**
38.0			46.7	45.9	44.9	44.3	43.2	42.8	41.6	40.5	**38.0**
40.0			39.1 m/44.7	42.3	41.3	40.6	39.5	39.1	37.9	36.8	**40.0**
44.0				36.2	35.1	34.4	33.2	32.8	31.6	30.4	**44.0**
48.0				44.3 m/35.8	30.2	29.3	28.1	27.6	26.5	25.3	**48.0**
52.0					49.5 m/28.6	25.2	24.0	23.4	22.0	20.4	**52.0**
56.0						54.7 m/22.4	20.3	19.4	17.8	16.1	**56.0**
60.0							59.9 m/16.5	15.8	14.2	12.5	**60.0**
64.0								12.5	11.1	62.0 m/11.0	**64.0**
68.0								65.1 m/11.7	66.0 m/9.8		**68.0**
Reeves	24	24	24	20	20	16	16	12	12	12	**Reeves**

Note :

Designed and rated to comply with EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

This is rated for double drum.

Lifting capacities may vary depending on hook used or with / without auxiliary sheave.

Please refer rated chart in operator's cabin.

Ratings enclosed in gray color box in the table require duble-drum specifications.

STANDARD

LIFTING CAPACITIES

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton

30.0 m Boom Length

Boom length (m)	30.0																											Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
14.0	195.1																											14.0
15.0	182.0																											15.0
16.0	170.7			164.0																								16.0
17.0	160.6			160.6																								17.0
18.0	151.7			151.7			148.2																					18.0
20.0	134.3			134.3			133.2			112.0																		20.0
22.0	119.1			119.1			118.4			112.0			112.0															22.0
24.0	106.3	99.6		106.3			105.6			105.6			104.3			100.2												24.0
26.0	95.8	89.8		95.8	89.5		95.1			95.1			94.4			93.8			89.3									26.0
28.0	85.8	81.6		87.1	81.4		86.4			86.4			85.7			85.1			84.3			79.9						28.0
30.0		74.7		79.7	74.4		79.1	73.6		79.1			78.4			77.7			77.0			76.2			64.1			30.0
34.0		63.6	59.4	66.6	63.4		67.4	62.6		67.3	62.5		66.6			66.0			65.3			64.5			58.7			34.0
38.0			51.5		55.0	51.2	58.5	54.2		58.4	54.1		57.7	53.2		57.1	52.5		56.3			55.5			51.8			38.0
42.0						44.9		47.7	44.1	51.3	47.5		50.6	46.7		50.0	46.0		49.3	45.1		48.5			47.0			42.0
46.0								42.4	39.1	45.6	42.1	38.8	44.9	41.3		44.3	40.6		43.6	39.8		42.8	38.6		42.1	37.6		46.0
50.0									35.1		37.7	34.7	40.3	37.0	33.5	39.6	36.3	32.5	38.9	35.4		38.1	34.2		37.4	33.1		50.0
54.0												31.3		33.3	30.0	35.7	32.6	29.0	35.0	31.6	27.7	34.2	30.4		33.5	29.3		54.0
58.0														30.2	27.1	32.5	29.5	26.0	31.7	28.4	24.8	30.9	27.2	23.5	30.0	26.1		58.0
62.0															24.5		26.9	23.5	28.9	25.6	22.2	28.0	24.4	20.9	27.0	23.4	19.8	62.0
66.0																		21.3		23.3	20.0	25.5	22.0	18.7	24.4	21.0	17.6	66.0
70.0																					18.1	23.3	20.0	16.8	21.8	18.9	15.7	70.0
74.0																					16.5		18.2	15.2	19.1	17.1	14.1	74.0
78.0																								13.7		15.5	12.6	78.0
82.0																											11.3	82.0
86.0																											10.2	86.0
Reeves	16			12			12			8			8			8			8			8			8			Reeves

Working Radius (m)

36.0 m Boom Length

Boom length (m)	36.0																											Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
15.0	182.0																											15.0
16.0	170.7																											16.0
17.0	160.6			156.6																								17.0
18.0	151.2			148.5			143.1																					18.0
20.0	133.1			133.2			129.4			112.0																		20.0
22.0	118.5			118.5			117.5			112.0			109.6															22.0
24.0	105.7			105.8			105.1			104.2			102.1			97.1												24.0
26.0	95.3	87.9		95.3			94.7			94.7			94.0			91.3			86.6									26.0
28.0	86.6	79.8		86.6	79.6		86.0			86.0			85.3			84.6			82.2			77.4						28.0
30.0	78.4	73.0		79.3	72.8		78.7			78.7			78.0			77.3			76.4			74.1			64.7			30.0
34.0		62.2		67.6	62.0		67.0	61.1		67.0	61.0		66.3			65.6			64.9			64.1			57.9			34.0
38.0			49.3		53.7	48.9	58.1	52.9		58.1	52.8		57.3	51.9		56.7			56.0			55.2			52.2			38.0
42.0			43.3		47.2	42.9		46.4	41.6	51.0	46.3		50.3	45.5		49.7	44.7		48.9	43.5		48.2			47.3			42.0
46.0						38.1		41.2	36.8	45.3	41.1	36.5	44.6	40.2		44.0	39.5		43.3	38.2		42.5	37.0		41.8			46.0
50.0									32.9		36.8	32.5	40.0	35.9	31.2	39.4	35.1		38.6	33.9		37.8	32.6		37.1	31.5		50.0
54.0									29.6			29.1		32.4	27.8	35.5	31.4	26.7	34.7	30.2		33.9	28.9		33.0	27.9		54.0
58.0												26.3		29.3	25.0	32.2	28.3	23.9	31.4	27.0	22.6	30.5	25.8		29.5	24.7		58.0
62.0															22.6		25.6	21.5	28.6	24.4	20.2	27.6	23.1	18.9	26.5	22.1		62.0
66.0																		19.4		22.0	18.1	25.0	20.8	16.8	24.0	19.7	15.7	66.0
70.0																		17.6		20.1	16.3	22.8	18.8	15.0	21.3	17.7	13.8	70.0
74.0																					14.7		17.0	13.4	18.6	15.9	12.3	74.0
78.0																								12.0		14.4	10.9	78.0
82.0																								10.8		12.0	9.6	82.0
86.0																											8.6	86.0
Reeves	16			12			12			8			8			8			8			8			8			Reeves

Working Radius (m)

Note : Designed and rated to comply with EN13000.

Ratings shown in [ ].

Lifting capacities may vary depending on hook used or with / without auxiliary sheave.

Please refer rated chart in operator's cabin.

Ratings enclosed in gray color box in the table require duble-drum specifications.

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton

42.0 m Boom Length

Boom length (m)	42.0																											Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
15.4	172.7																											15.4
16.0	166.0																											16.0
17.0	156.2			151.0																								17.0
18.0	148.2			143.4																								18.0
20.0	131.6			129.0			125.2																					20.0
22.0	117.3			117.2			113.8			109.3			106.0															22.0
24.0	105.2			105.2			104.1			101.9			99.0			94.0												24.0
26.0	94.7			94.8			94.1			94.0			91.3			88.6			83.8									26.0
28.0	86.1	77.5		86.2			85.5			85.6			84.6			82.1			79.8			74.9						28.0
30.0	78.7	71.2		78.9	70.9		78.2			78.3			77.6			76.4			74.2			72.0			65.4			30.0
34.0		60.6		67.2	60.4		66.5	59.4		66.6			65.9			65.2			64.5			62.8			58.4			34.0
38.0		52.4	46.0		52.3		57.7	51.5		57.7	51.4		57.0	50.1		56.3			55.6			54.8			52.6			38.0
42.0			40.3		45.9	39.8	50.7	45.1		50.7	45.0		50.0	43.8		49.3	42.7		48.6			47.8			47.0			42.0
46.0						35.2		40.0	33.9	45.0	39.9		44.3	38.7		43.7	37.6		42.9	36.3		42.1	35.0		41.2			46.0
50.0						31.4			30.2		35.6	29.9	39.7	34.4		39.0	33.4		38.3	32.1		37.4	30.8		36.4	29.7		50.0
54.0									27.0		32.0	26.7		30.8	25.3	35.2	29.8		34.4	28.5		33.4	27.3		32.4	26.2		54.0
58.0												24.0		27.8	22.7	31.9	26.7	21.5	31.1	25.5		29.9	24.2		28.9	23.2		58.0
62.0												21.6			20.3		24.1	19.2	28.2	22.9	17.9	27.0	21.6	16.6	26.0	20.6		62.0
66.0															18.4		21.9	17.3		20.7	15.9	24.5	19.4	14.6	23.4	18.3	13.5	66.0
70.0																		15.5		18.7	14.2	22.3	17.4	12.9	20.8	16.3	11.8	70.0
74.0																		14.1			12.7		15.7	11.4	18.0	14.6	10.3	74.0
78.0																					11.4		14.3	10.1		13.1	8.9	78.0
82.0																								8.9		11.8	7.8	82.0
86.0																											6.8	86.0
90.0																											5.9	90.0
Reeves	16			12			12			8			8			8			8			8			8			Reeves

Working Radius (m)

48.0 m Boom Length

Boom length (m)	48.0																											Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
16.2	158.0																											16.2
17.0	151.2			145.4																								17.0
18.0	143.0			138.3																								18.0
20.0	128.8			124.7			121.0																					20.0
22.0	115.8			113.4			110.1			105.7																		22.0
24.0	104.2			103.9			101.8			98.8			93.8			90.8												24.0
26.0	94.2			94.3			93.6			91.2			88.6			85.9			81.1									26.0
28.0	85.5	74.4		85.7			85.0			84.5			82.1			79.6			77.4			72.4						28.0
30.0	78.2	68.3		78.4			77.7			77.8			76.5			74.1			72.0			69.8			65.0			30.0
34.0		58.3		66.7	58.1		66.1	56.8		66.2			65.5			64.8			63.0			60.9			58.9			34.0
38.0		50.6			50.4		57.2	49.1		57.3	49.1		56.6			56.0			55.2			53.8			52.1			38.0
42.0			37.0		44.2		50.3	43.0		50.3	43.0		49.6	41.7		49.0	40.6		48.2			47.2			46.1			42.0
46.0			32.6			32.2		38.1		44.7	38.0		44.0	36.7		43.4	35.6		42.6	34.3		41.4			40.4			46.0
50.0						28.6		34.0	27.3		33.8	27.1	39.4	32.6		38.7	31.5		37.8	30.2		36.7	28.9		35.7	27.4		50.0
54.0									24.3		30.3	24.1	35.5	29.1	22.7	34.9	28.1		33.8	26.8		32.7	25.5		31.7	24.4		54.0
58.0									21.9			21.5		26.2	20.2	31.6	25.1	19.0	30.5	23.9		29.3	22.6		28.3	21.5		58.0
62.0												19.3		23.7	18.0		22.6	16.9	27.6	21.4	15.5	26.4	20.1		25.4	19.0		62.0
66.0															16.1		20.5	15.0		19.2	13.7	23.9	17.9	12.3	22.8	16.8		66.0
70.0															14.5			13.4		17.3	12.1	20.6	16.0	10.7	20.2	14.9	9.5	70.0
74.0																		12.0		15.7	10.7		14.4	9.3	17.4	13.3	8.1	74.0
78.0																					9.4		13.0	8.1		11.8	6.9	78.0
82.0																					8.4			7.0		10.5		82.0
Reeves	12			12			12			8			8			8			8			8			8			Reeves

Working Radius (m)

Note : Designed and rated to comply with EN13000.

Ratings shown in [ ].

Lifting capacities may vary depending on hook used or with / without auxiliary sheave.

Please refer rated chart in operator's cabin.

Ratings enclosed in gray color box in the table require duble-drum specifications.

BOOM AND JIB ARRANGEMENTS

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton

54.0 m Boom Length

Boom length (m)	54.0																											Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
17.0	145.7																											17.
18.0	137.8			132.5																								18.0
20.0	124.3			120.4			115.8																					20.0
22.0	113.2			109.6			106.4			102.1																		22.0
24.0	102.8			101.5			98.6			95.6			90.6															24.0
26.0	93.2			93.5			91.0			88.3			85.8			80.8												26.0
28.0	84.9			85.1			84.3			82.0			79.6			77.1			72.3			69.9						28.0
30.0	77.6	65.3		77.8			77.1			76.4			74.1			71.8			69.7			67.5			62.7			30.0
34.0		55.6		66.2	55.5		65.5			65.7			65.0			62.9			61.0			59.0			57.2			34.0
38.0		48.2			48.0		56.7	46.7		56.9	46.8		56.2			55.5			54.0			52.1			50.4			38.0
42.0			33.6		42.1		49.8	40.8		49.9	40.8		49.2	39.5		48.6			47.5			46.3			44.8			42.0
46.0			29.5		37.2	29.2		36.0		44.3	36.0		43.6	34.7		43.0	33.6		41.8	31.9		40.7			39.7			46.0
50.0						25.8		32.1	24.4		32.0		39.0	30.7		38.3	29.7		37.1	28.3		36.0	26.5		35.0			50.0
54.0						22.9			21.6		28.6	21.4	35.1	27.4		34.3	26.3		33.2	25.0		32.0	23.7		31.0	22.0		54.0
58.0									19.3		25.8	19.0		24.5	17.6	31.0	23.5		29.8	22.2		28.6	20.9		27.6	19.8		58.0
62.0												17.0		22.1	15.6		21.1	14.4	27.0	19.8		25.8	18.5		24.7	17.4		62.0
66.0												15.2			13.8		19.0	12.7	23.2	17.7	11.3	23.3	16.4		22.2	15.3		66.0
70.0															12.3			11.2		15.9	9.8	19.3	14.6		19.4	13.5		70.0
74.0																		9.9		14.3	8.5		13.0		16.7	11.9		74.0
78.0																		8.8			7.4		11.6			10.5		78.0
82.0																										9.2		82.0
86.0																										8.2		86.0
Reeves	12			12			12			8			8			8			8			8			8			Reeves

Working Radius (m)

60.0 m Boom Length

Boom length (m)	60.0																											Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
17.8	131.2																											17.8
18.0	132.8			127.5																								18.0
20.0	120.0			116.2			111.7																					20.0
22.0	109.3			105.9			103.8			98.5																		22.0
24.0	101.3			98.2			95.4			92.5			87.5															24.0
26.0	93.2			90.7			88.1			85.5			83.0			77.9												26.0
28.0	85.0			84.1			81.9			79.4			77.0			74.6			69.8									28.0
30.0	77.8			77.2			76.1			74.0			71.8			69.5			67.5			62.4						30.0
34.0		53.9		65.7	52.6		65.0			65.0			63.0			60.9			59.1			57.1			52.2			34.0
38.0		46.7			45.4		56.2	44.0		56.5			55.6			54.0			52.3			50.4			48.7			38.0
42.0		40.8			39.7		49.3	38.4		49.5	38.5		48.7	36.9		47.8			46.6			44.9			43.3			42.0
46.0			27.2		35.0			33.8		43.9	33.8		43.1	32.5		42.1	30.9		41.0			39.8			38.8			46.0
50.0			24.0			22.6		30.0			30.0		38.5	28.7		37.5	27.6		36.4	25.8		35.2	24.0		34.2			50.0
54.0						20.0			18.6		26.7		34.6	25.5		33.6	24.4		32.4	23.1		31.3	21.7		30.3	19.6		54.0
58.0						17.8			16.4		24.0	16.2		22.7		30.3	21.7		29.1	20.4		27.9	19.0		26.9	17.9		58.0
62.0									14.6			14.3		20.4	12.9		19.3	11.8	26.3	18.0		25.1	16.7		24.1	15.6		62.0
66.0												12.7			11.3		17.3	10.2	23.9	16.0		22.6	14.7		21.6	13.6		66.0
70.0															9.9		15.6	8.8		14.3		19.9	13.0		18.5	11.9		70.0
74.0															8.7			7.6		12.8			11.5		15.8	10.3		74.0
78.0																							10.1		12.7	9.0		78.0
82.0																							9.0			7.8		82.0
86.0																										6.8		86.0
Reeves	12			12			8			8			8			8			8			8			8			Reeves

Working Radius (m)

Note : Designed and rated to comply with EN13000.

Ratings shown in [ ].

Lifting capacities may vary depending on hook used or with / without auxiliary sheave.

Please refer rated chart in operator's cabin.

Ratings enclosed in gray color box in the table require duble-drum specifications.

BOOM AND JIB ARRANGEMENTS

Heavy Duty Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
36 (118)	※ L 6.0 12.0 8T HU
42 (138)	※ L 6.0 6.0 12.0 8T HU L 12.0 12.0 8T HU
48 (157)	※ L 12.0 12.0 6.0 8T HU
54 (177)	※ L 6.0 6.0 12.0 12.0 8T HU L 12.0 12.0 12.0 8T HU
60 (197)	※ L 12.0 12.0 6.0 12.0 8T HU
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 8T HU L 12.0 12.0 12.0 12.0 8T HU
72 (236)	※ L 12.0 12.0 6.0 12.0 12.0 8T HU
78 (256)	※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T HU L 12.0 12.0 12.0 12.0 12.0 8T HU
84 (276)	※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T HU

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
HU	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

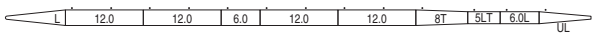
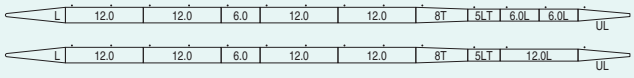
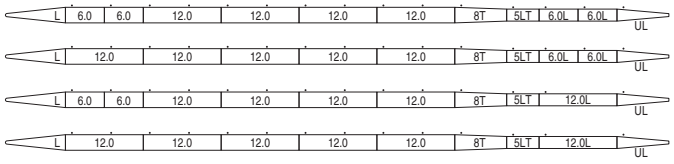
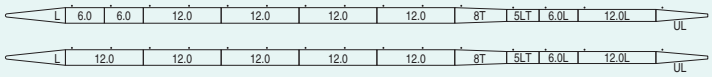
Luffing Boom Arrangements for Crane

Boom length m (ft)	Boom arrangement
36 (118)	※ L 6.0 12.0 8T LU
42 (138)	※ L 6.0 12.0 6.0 8T LU L 12.0 12.0 8T LU
48 (157)	※ L 12.0 12.0 6.0 8T LU
54 (177)	※ L 6.0 6.0 12.0 12.0 8T LU L 12.0 12.0 12.0 8T LU
60 (197)	※ L 12.0 12.0 6.0 12.0 8T LU
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 8T LU
72 (236)	※ L 12.0 12.0 6.0 12.0 12.0 8T LU
78 (256)	※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 12.0 8T LU
84 (276)	※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T LU

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
LU	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

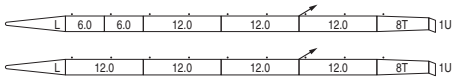
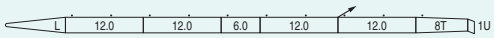
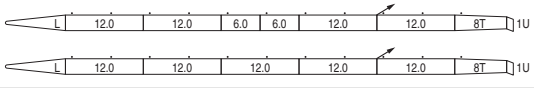
Long Boom Arrangements

Boom length m (ft)	Boom arrangement
90 (295)	
96 (315)	※ 
102 (335)	※ 
108 (354)	※ 

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
5LT	5.0 m (16.4 ft)	Luffing Insert Jib
6.0L	6.0 m (19.7 ft)	Luffing Insert Jib
12.0L	12.0 m (39.4 ft)	Luffing Insert Jib
UL	8.0 m (26.2 ft)	Jib Tip

※indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

Heavy Fixed Jib Boom Arrangements (Type B1)

Boom length m (ft)	Boom arrangement
66 (217)	※ 
72 (236)	※ 
78 (256)	※ 

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
1U	1.0 m (3.3 ft)	Boom Tip

mark shows the guy line installing position when the fixed jib is used.

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Heavy Fixed Jib Arrangements (Type B1)

Jib length m (ft)	Jib arrangement
18 (59)	

Symbol	Jib Length	Remarks
JL	10.0 m (32.8 ft)	Jib Base
JU	8.0 m (26.2 ft)	Jib Tip

BOOM AND JIB ARRANGEMENTS

Luffing Boom Arrangements for Luffing

Boom length m (ft)	Boom arrangement
36 (118)	※ L 6.0 12.0 8T LU
42 (138)	※ L 6.0 12.0 6.0 8T LU L 12.0 12.0 8T LU
48 (157)	※ L 12.0 12.0 6.0 8T LU
54 (177)	※ L 6.0 6.0 12.0 12.0 8T LU L 12.0 12.0 12.0 8T LU
60 (197)	※ L 12.0 12.0 6.0 12.0 8T LU
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 8T LU

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
LU	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

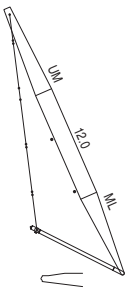
Luffing Jib Arrangements

Jib length m (ft)	Jib arrangement
24 (79)	L 6.0 U
30 (98)	※ L 6.0 6.0 U L 12.0 U
36 (118)	※ L 6.0 12.0 U
42 (138)	※ L 6.0 6.0 12.0 U L 12.0 12.0 U
48 (157)	※ L 6.0 12.0 12.0 U
54 (177)	※ L 6.0 6.0 12.0 12.0 U L 12.0 12.0 12.0 U
60 (197)	※ L 6.0 12.0 12.0 12.0 U
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 U L 12.0 12.0 12.0 12.0 U
72 (236)	※ L 6.0 12.0 12.0 12.0 12.0 U

Symbol	Jib Length	Remarks
L	10.0 m (32.8 ft)	Jib Base
6.0	6.0 m (19.7 ft)	Luffing Insert Jib
12.0	12.0 m (39.4 ft)	Luffing Insert Jib
U	8.0 m (26.2 ft)	Jib Tip

※indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

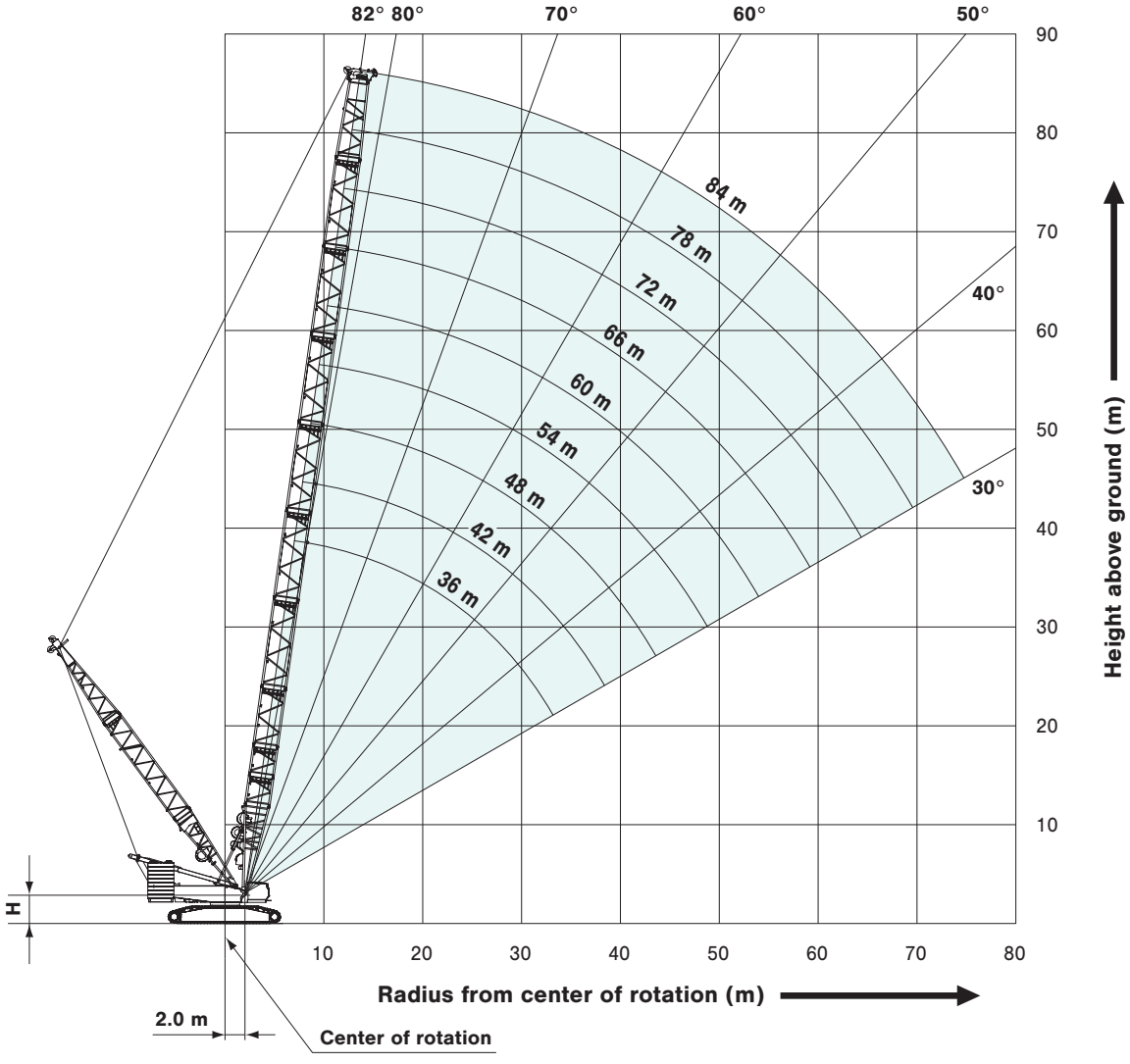
HL MAST



Symbol	Mast Length	Remarks
ML	9.0 m (29.5 ft)	Mast Base
12.0	12.0 m (39.4 ft)	Insert Mast
UM	9.0 m (29.5 ft)	Mast Tip

WORKING RANGES

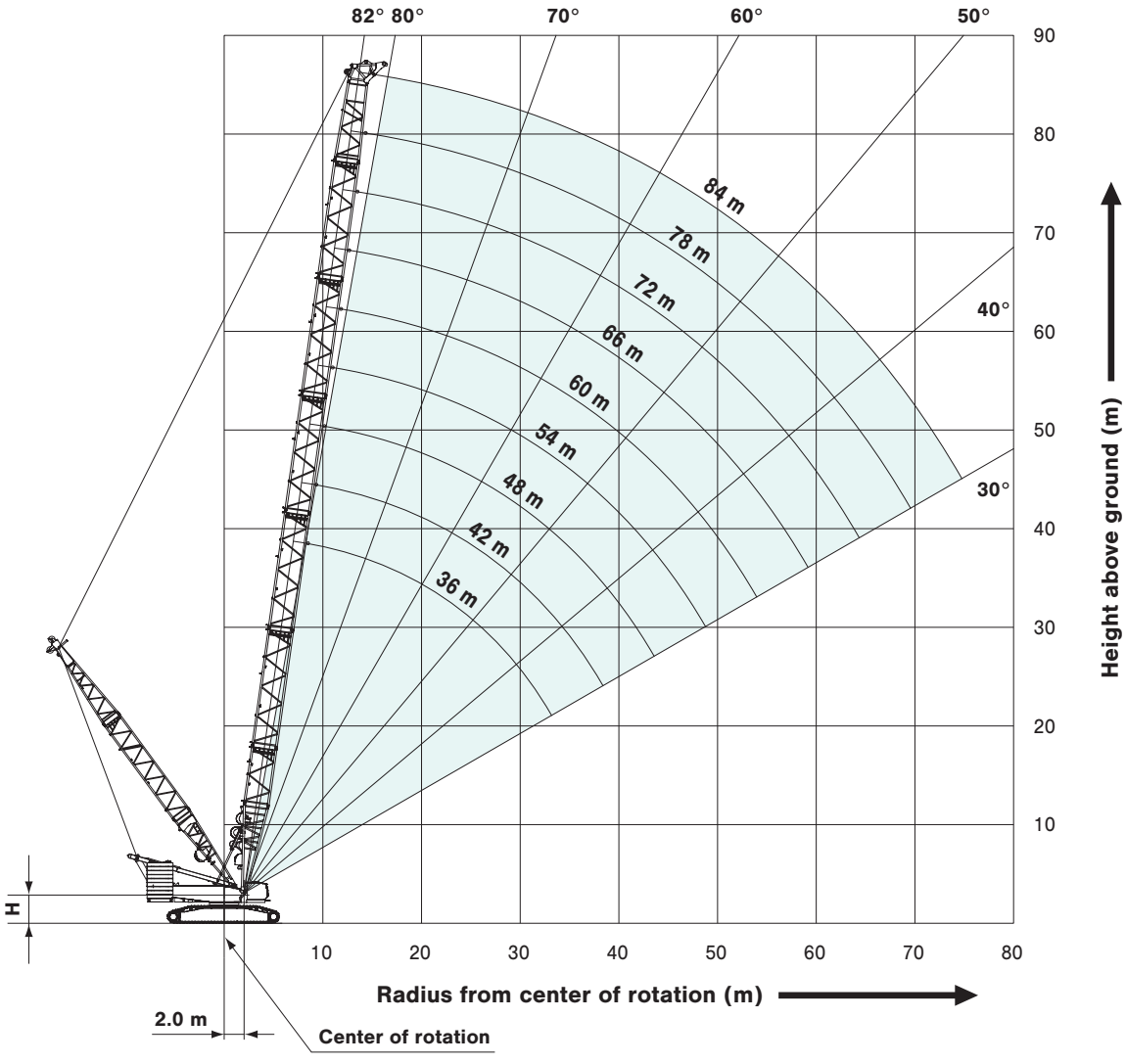
Heavy Duty Crane Boom



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

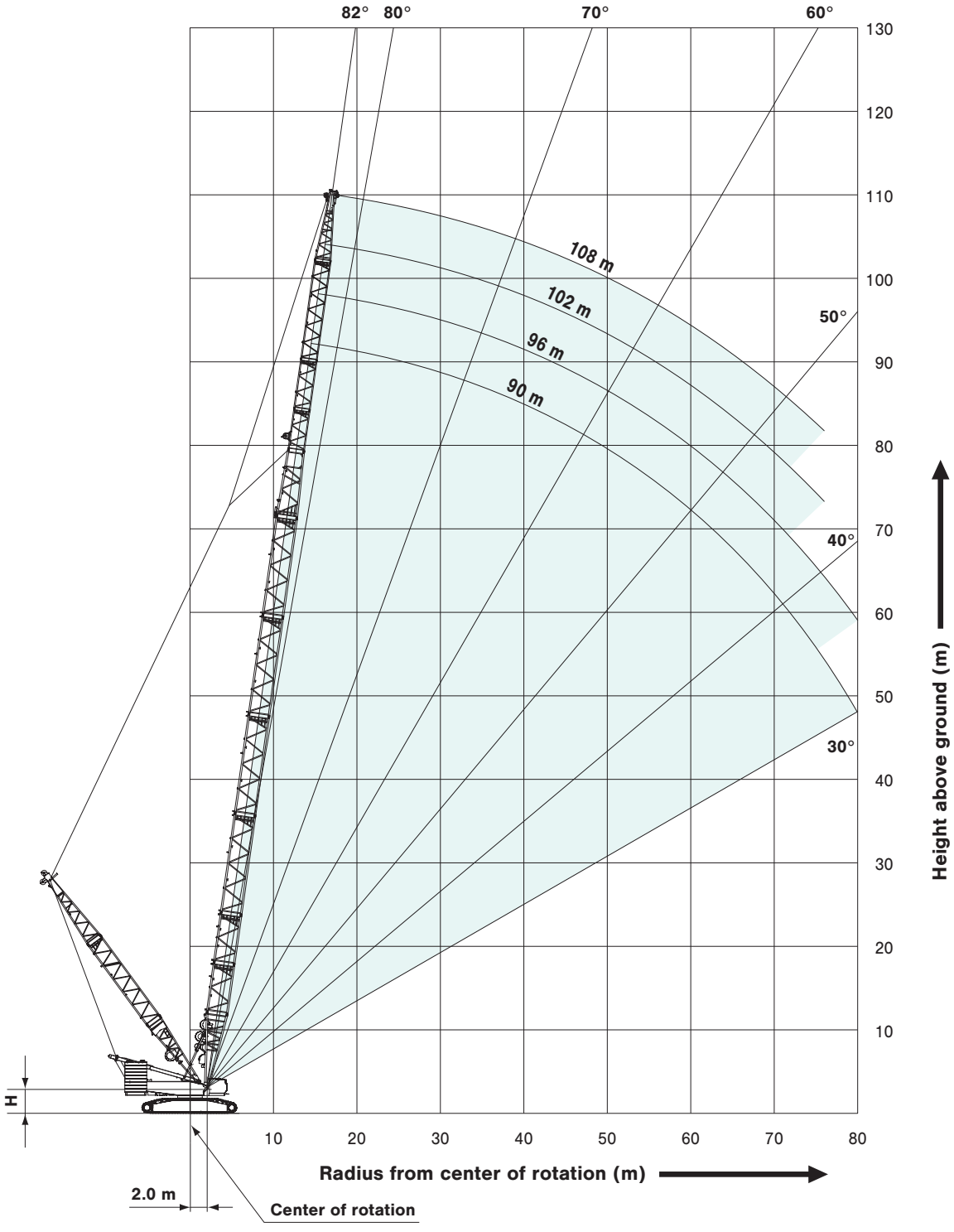
WORKING RANGES

Luffing Boom



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

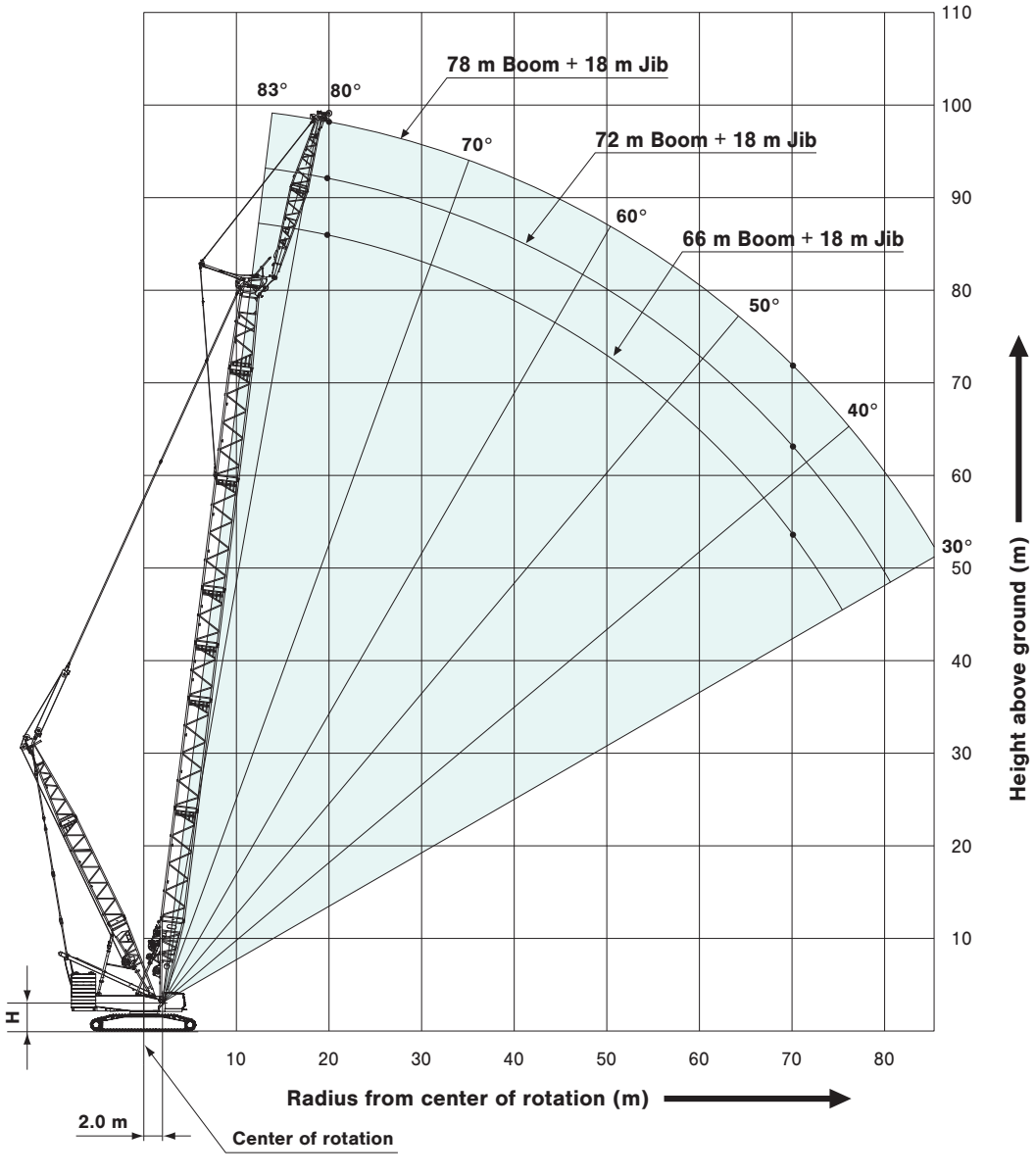
Long Boom



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

WORKING RANGES

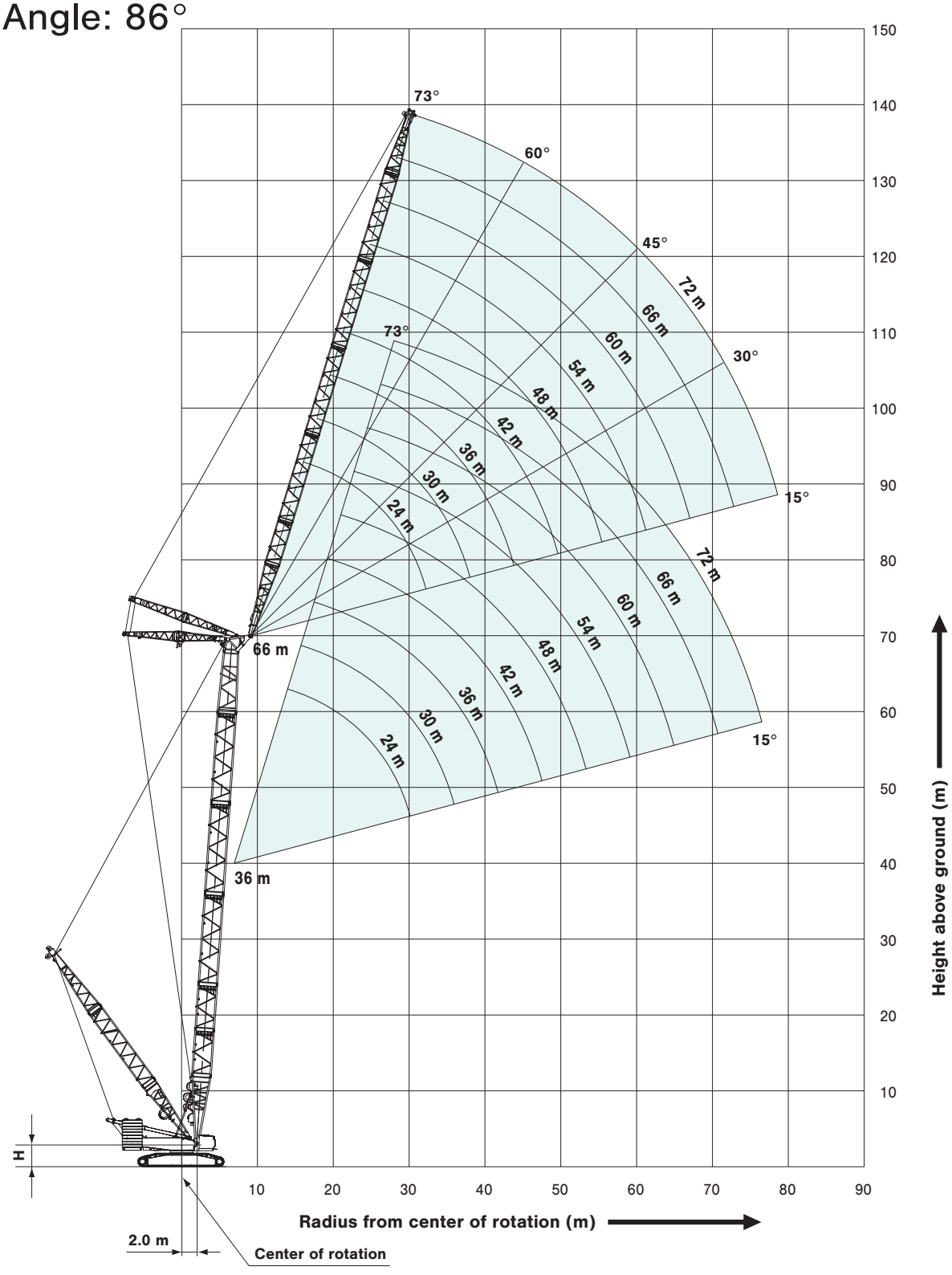
Heavy Fixed Jib (Type B1)



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

Luffing Jib

Boom Angle: 86°

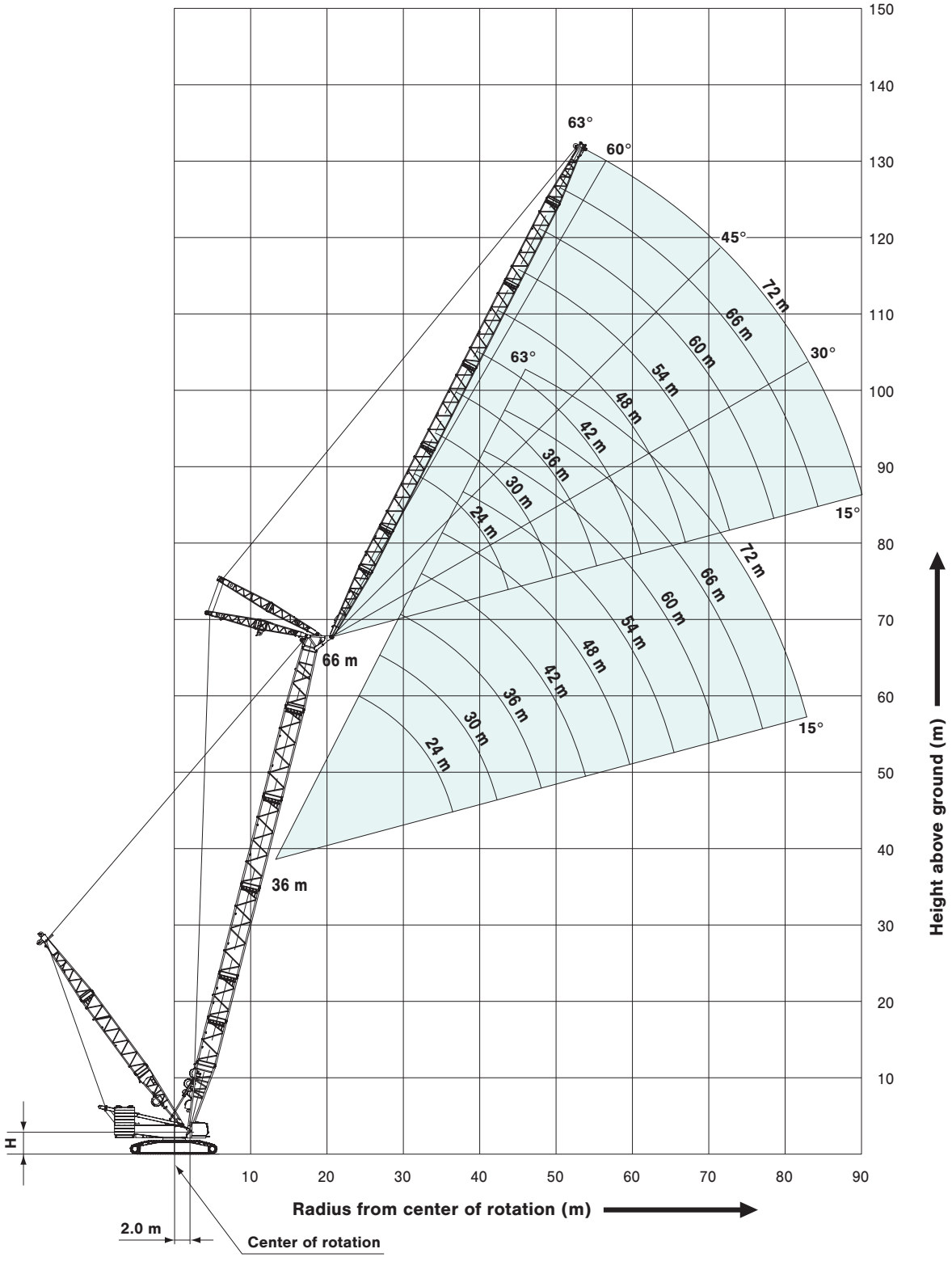


H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

WORKING RANGES

Luffing Jib

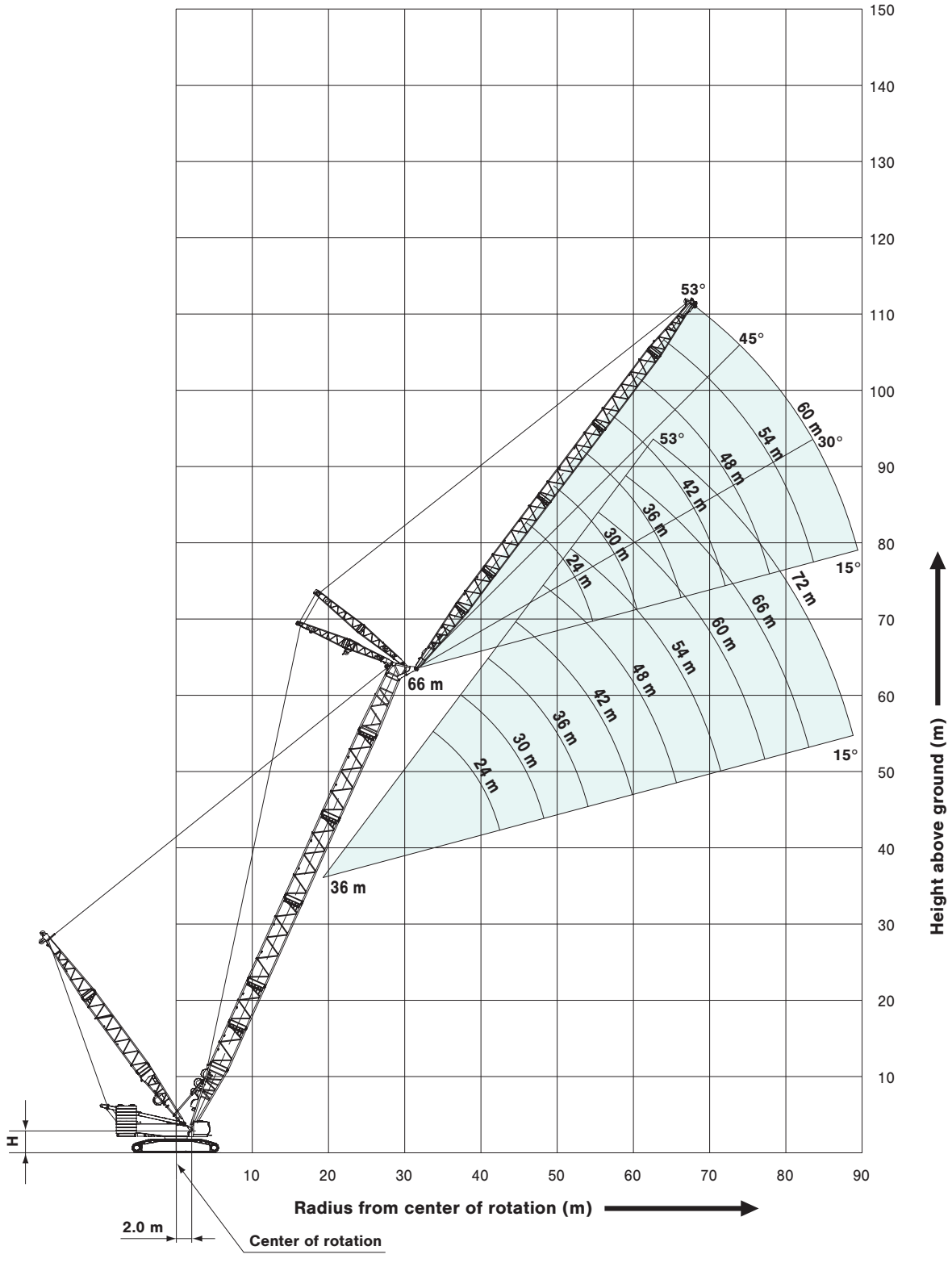
Boom Angle: 76°



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

Luffing Jib

Boom Angle: 66°



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

LIFTING CAPACITIES

Heavy Duty Crane Boom Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 11 m to 16 m

Working Radius (m) \ Boom Length (m)	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom Length (m) \ Working Radius (m)
8.0	8.3 m/370.0									**8.0**
9.0	353.3	9.2 m/336.0								**9.0**
10.0	308.5	309.1	10.0 m/309.5	10.9 m/276.1	11.7 m/251.2					**10.0**
12.0	243.3	243.6	243.7	243.5	243.0	12.5 m/220.0	13.4 m/201.2			**12.0**
14.0	199.8	199.9	199.8	199.5	198.9	198.1	192.1	14.2 m/182.3	15.0 m/164.0	**14.0**
16.0	168.8	168.7	168.5	168.1	167.4	166.5	165.7	160.8	155.2	**16.0**
18.0	145.5	145.3	145.0	144.5	143.7	142.9	142.0	141.0	136.8	**18.0**
20.0	127.4	127.1	126.8	126.2	125.4	124.5	123.6	122.6	121.5	**20.0**
22.0	112.9	112.6	112.2	111.6	110.7	109.8	108.9	107.8	106.7	**22.0**
24.0	101.1	100.7	100.2	99.6	98.7	97.7	96.8	95.8	94.6	**24.0**
26.0	91.2	90.7	90.3	89.6	88.7	87.7	86.8	85.7	84.6	**26.0**
28.0	82.8	82.3	81.9	81.2	80.2	79.2	78.3	77.2	76.0	**28.0**
30.0	75.6	75.1	74.6	73.9	73.0	72.0	71.0	69.9	68.7	**30.0**
32.0	69.4	68.9	68.4	67.7	66.7	65.7	64.7	63.6	62.4	**32.0**
34.0	33.8 m/64.4	63.4	62.9	62.2	61.2	60.2	59.2	58.1	56.9	**34.0**
36.0		58.6	58.1	57.4	56.4	55.3	54.3	53.2	52.0	**36.0**
38.0		54.3	53.8	53.0	52.1	51.0	50.0	48.9	47.7	**38.0**
40.0		39.0 m/52.3	49.9	49.2	48.2	47.1	46.1	45.0	43.8	**40.0**
44.0			43.3	42.6	41.6	40.5	39.5	38.4	37.2	**44.0**
48.0			44.2 m/43.0	37.1	36.1	35.0	34.0	32.9	31.7	**48.0**
52.0				49.4 m/35.4	31.5	30.4	29.4	28.3	27.1	**52.0**
56.0					54.6 m/28.9	26.5	25.5	24.4	23.1	**56.0**
60.0						59.8 m/23.3	22.1	21.0	19.8	**60.0**
64.0							19.2	18.0	16.8	**64.0**
68.0							65.0 m/18.5	15.4	68.0 m/14.2	**68.0**
72.0								70.2 m/14.1		**72.0**
Reeves	28	24	24	20	20	16	16	16	12	**Reeves**

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Please refer Page 21 for Crane Boom Supplemental Data.

Long Boom Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 11 m to 16 m

Working Radius (m) \ Boom Length (m)	90.0	96.0	102.0	108.0	Boom Length (m) \ Working Radius (m)
14.0	15.0 m/98.0	15.8 m/98.0			**14.0**
16.0	98.0	98.0	16.6 m/84.0	17.5 m /84.0	**16.0**
18.0	98.0	98.0	84.0	84.0	**18.0**
20.0	98.0	98.0	84.0	84.0	**20.0**
22.0	95.7	95.7	84.0	84.0	**22.0**
24.0	87.7	87.7	84.0	84.0	**24.0**
26.0	81.0	81.0	81.0	81.0	**26.0**
28.0	75.2	75.2	75.2	75.0	**28.0**
30.0	70.2	70.2	70.2	68.9	**30.0**
32.0	65.4	65.3	64.1	63.4	**32.0**
34.0	59.9	59.7	58.5	58.3	**34.0**
36.0	55.0	54.8	53.6	53.4	**36.0**
38.0	50.7	50.5	49.3	49.1	**38.0**
40.0	46.8	46.6	45.4	45.2	**40.0**
44.0	40.2	40.0	38.7	38.5	**44.0**
48.0	34.7	34.5	33.2	33.0	**48.0**
52.0	30.1	29.8	28.6	28.4	**52.0**
56.0	26.1	25.9	24.7	24.4	**56.0**
60.0	22.7	22.5	21.3	21.1	**60.0**
64.0	19.8	19.5	18.2	18.0	**64.0**
68.0	17.1	16.7	15.4	15.2	**68.0**
72.0	14.6	14.2	12.9	12.7	**72.0**
76.0	12.4	12.0	76.0 m/10.7	76.0 m/10.5	**76.0**
80.0	10.5	80.0 m/10.1			**80.0**
84.0	80.1 m/10.5				**84.0**
Reeves	7	7	6	6	**Reeves**

Note :
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Please refer Page 21 for Crane Boom Supplemental Data.

Heavy Fixed Jib (Type B1) Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 11 m

Jib Length (m)	18.0			Jib Length (m)
Working Radius (m) \ Boom Length (m)	66.0	72.0	78.0	Boom Length (m) \ Working Radius (m)
20.0	120.0	120.0	117.0	**20.0**
22.0	107.9	107.2	104.8	**22.0**
24.0	95.5	94.6	93.7	**24.0**
26.0	85.1	84.2	83.2	**26.0**
28.0	76.3	75.4	74.4	**28.0**
30.0	68.8	67.8	66.8	**30.0**
34.0	56.6	55.6	54.4	**34.0**
38.0	47.1	46.0	44.9	**38.0**
42.0	39.5	38.4	37.2	**42.0**
46.0	33.3	32.2	31.0	**46.0**
50.0	28.2	27.0	25.8	**50.0**
54.0	23.8	22.6	21.4	**54.0**
58.0	20.1	18.9	17.6	**58.0**
62.0	16.9	15.7	14.4	**62.0**
66.0	14.1	12.9	11.5	**66.0**
70.0	11.6	10.4	9.1	**70.0**
Reeves	10	10	10	**Reeves**

Note :
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray-color box in the table require double-drum specifications.
Please refer Page 21 for Heavy Fixed Jib Supplemental Data.

LIFTING CAPACITIES

Luffing Boom Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 11 m to 16 m

Working Radius (m) \ Boom Length (m)	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom Length (m) \ Working Radius (m)
8.0	8.5 m/300.0									8.0
9.0	300.0	9.3 m/300.0								9.0
10.0	286.5	287.1	10.2 m/280.5	11.0 m/252.1	11.8 m/225.4					10.0
12.0	224.9	225.3	225.0	224.6	221.9	12.7 m/199.7	13.5 m/178.2			12.0
14.0	184.0	184.2	183.8	183.3	183.0	178.8	171.2	14.3 m/160.6	15.2 m/145.2	14.0
16.0	154.8	154.9	154.6	153.9	153.4	152.7	147.4	142.2	137.0	16.0
18.0	132.9	132.9	132.6	132.0	131.4	129.7	128.5	124.1	119.7	18.0
20.0	116.0	115.9	115.5	114.8	114.3	113.5	112.6	109.5	105.6	20.0
22.0	102.4	102.2	101.9	101.2	100.6	99.8	98.9	97.3	93.8	22.0
24.0	91.3	91.1	90.7	90.1	89.6	88.6	87.7	87.1	84.0	24.0
26.0	82.0	81.8	81.4	80.8	80.3	79.3	78.3	77.6	75.5	26.0
28.0	74.2	74.0	73.5	72.9	72.4	71.5	70.4	69.7	68.2	28.0
30.0	67.5	67.2	66.8	66.1	65.7	64.8	63.8	63.0	61.8	30.0
32.0	61.6	61.4	60.9	60.3	59.8	58.9	58.0	57.1	56.1	32.0
34.0	33.9 m/56.6	56.3	55.8	55.1	54.7	53.8	52.8	52.0	51.1	34.0
36.0		51.7	51.3	50.6	50.2	49.3	48.3	47.4	46.4	36.0
38.0		47.7	47.3	46.6	46.1	45.3	44.3	43.6	42.6	38.0
40.0		39.1 m/45.6	43.6	43.0	42.5	41.7	40.7	40.0	39.0	40.0
44.0			37.4	36.8	36.3	35.5	34.5	33.7	32.7	44.0
48.0			44.3 m/37.0	31.6	31.2	30.4	29.3	28.5	27.3	48.0
52.0				49.5 m/29.9	26.9	26.0	25.0	23.9	22.6	52.0
56.0					54.7 m/24.3	22.4	21.2	20.0	18.7	56.0
60.0						59.9 m/19.2	18.0	16.7	15.3	60.0
64.0							15.4	14.0	12.5	64.0
68.0							65.1 m/14.8	11.7	10.0	68.0
72.0								70.3 m/10.5	72.0 m/7.7	72.0
Reeves	24	24	20	20	16	16	12	12	12	Reeves

Note : Designed and rated to comply with EN13000.

Ratings shown in ☐ are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with / without auxiliary sheave.

Please refer rated chart in operator's cabin.

Ratings enclosed in gray color box in the table require duble-drum specifications.

Please refer Page 21 for Crane Boom Supplemental Data.

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 16 m

36.0 m Boom Length

Boom length (m)	36.0																											Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
14.4	200.0																											14.4
15.0	193.2																											15.0
16.0	182.2																											16.0
17.0	176.9			171.2																								17.0
18.0	168.8			165.7			162.1																					18.0
20.0	151.8			151.0			147.4			142.2																		20.0
22.0	133.8			133.2			133.3			130.0			125.5															22.0
24.0	119.5			118.8			119.0			118.2			115.8			111.5												24.0
26.0	107.8	100.7		107.2			107.3			106.5			105.8			104.7			99.8									26.0
28.0	98.0	91.6		97.4	90.7		97.5			96.8			96.1			96.2			94.6			82.6						28.0
30.0	89.8	83.9		89.2	83.0		89.3			88.6			87.9	59.7		88.0			87.4			78.1			65.0			30.0
34.0		71.6		76.2	70.8		76.2	70.7		75.5	69.8		74.8	52.4		74.9			74.3			70.3			60.0			34.0
38.0			57.9		61.4	57.0	66.3	61.4		65.5	60.5		64.8	46.5		64.9			64.3			63.5			54.2			38.0
42.0			51.0		54.1	50.1		54.0	49.9	57.7	53.2		57.0	41.6	38.0	57.0	52.3		56.4	51.6		55.6			49.3			42.0
46.0						44.6		48.1	44.4	51.4	47.3	43.4	50.7	37.6	34.2	50.7	46.4		50.0	45.7		49.3	44.8		45.1			46.0
50.0									39.8		42.4	38.9	45.5	34.2	31.1	45.5	41.5		44.8	40.8		44.0	39.9		41.1	39.2		50.0
54.0									36.0			35.1			28.4	41.1	37.5	34.1	40.4	36.7		39.7	35.9		36.9	35.1		54.0
58.0												32.0				37.4	34.0	30.8	36.7	33.3	30.1	35.9	32.4		33.8	31.7		58.0
62.0																	31.1	28.1	33.6	30.3	27.3	32.8	29.5	26.4	31.3	28.7		62.0
66.0																		25.7		27.8	24.9	30.0	26.9	24.0	29.1	26.2	22.7	66.0
70.0																		23.7		25.6	22.9	27.7	24.7	22.0	26.9	23.9	21.2	70.0
74.0																					21.1		22.8	20.1	24.9	22.0	19.3	74.0
78.0																								18.5		20.3	17.6	78.0
82.0																								17.1		18.8	16.1	82.0
86.0																											14.8	86.0
Reeves	16			16			12			12			12			8			8			8			8			Reeves

Working Radius (m)

42.0 m Boom Length

Boom length (m)	42.0																											Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
15.4	191.5																											15.4
16.0	188.0																											16.0
17.0	177.6			171.8																								17.0
18.0	167.7			162.3																								18.0
20.0	150.8			146.9			141.9																					20.0
22.0	133.2			132.5			129.8			125.1			121.6															22.0
24.0	118.9			118.2			118.4			115.6			112.4			108.1												24.0
26.0	107.2			106.6			106.7			106.0			103.6			101.8			95.1									26.0
28.0	97.5	89.7		96.9			97.0			96.3			95.5			94.4			91.9			82.4						28.0
30.0	89.3	82.1		88.7	81.2		88.8			88.1			87.4			87.6			85.6			78.8			65.6			30.0
34.0		70.0		75.7	69.1		75.8	69.1		75.0			74.3			74.5			73.8			70.9			58.9			34.0
38.0		60.7	55.6		59.9		65.8	59.9		65.1	59.0		64.4	58.2		64.5			63.9			63.1			54.0			38.0
42.0			48.9		52.8	47.9	58.0	52.7		57.3	51.8		56.6	51.0		56.7	51.0		56.0			55.3			48.9			42.0
46.0						42.5		46.9	42.4	51.0	46.0		50.3	45.2		50.3	45.2		49.7	44.4		48.9	42.8		45.0			46.0
50.0						38.2			38.0		41.3	37.0	45.2	40.4		45.1	40.4		44.5	39.7		43.7	38.8		40.8	36.8		50.0
54.0									34.3		37.3	33.4		36.5	32.5	40.8	36.4		40.1	35.7		39.3	34.8		36.8	34.0		54.0
58.0												30.3		33.2	29.4	37.1	33.0	29.2	36.4	32.3		35.6	31.4		33.9	30.7		58.0
62.0												27.7			26.8		30.1	26.6	33.3	29.4	25.7	32.5	28.5	24.0	31.4	27.8		62.0
66.0															24.6		27.6	24.3		26.9	23.5	29.7	26.0	22.6	29.0	25.3	20.2	66.0
70.0																		22.3		24.7	21.5	27.4	23.8	20.5	26.6	23.1	19.6	70.0
74.0																		20.6			19.7		21.9	18.7	24.6	21.1	17.7	74.0
78.0																					18.2		20.3	17.0		19.5	16.1	78.0
82.0																								15.6		18.0	14.6	82.0
86.0																											13.3	86.0
90.0																											12.2	90.0
Reeves	16			16			12			12			12			8			8			8			8			Reeves

Working Radius (m)

Note : Designed and rated to comply with EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with / without auxiliary sheave.

Please refer rated chart in operator's cabin.

Ratings enclosed in gray color box in the table require duble-drum specifications.

Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

LIFTING CAPACITIES

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 16 m

48.0 m Boom Length

Boom length (m)	48.0																												Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
16.2	179.7																											16.2
17.0	171.3			165.8																								17.0
18.0	162.0			156.8																								18.0
20.0	146.7			142.3			137.3																					20.0
22.0	132.4			129.5			125.9			121.2																		22.0
24.0	118.2			117.5			115.5			112.1			108.0			104.7												24.0
26.0	106.5			105.9			106.1			103.5			101.7			98.9			89.5									26.0
28.0	96.9	87.7		96.2			96.4			95.7			94.4			91.8			88.5			77.0						28.0
30.0	88.7	80.3		88.1			88.3			87.5			86.8			85.6			83.3			76.2			66.3			30.0
34.0		68.3		75.1	67.4		75.3	67.4		74.5			73.8			74.0			73.1			70.9			59.2			34.0
38.0		59.3			58.4		65.3	58.4		64.6	57.5		63.9			64.1			63.4			62.6			53.8			38.0
42.0			46.7		51.3		57.6	51.3		56.8	50.4		56.1	49.6		56.3	49.2		55.6			54.8			48.6			42.0
46.0			41.5			40.5		45.6		50.6	44.7		49.8	43.9		50.0	43.9		49.3	42.2		48.5			44.8			46.0
50.0						36.2		41.0	36.1		40.1	35.1	44.7	39.2		44.8	39.3		44.1	38.5		43.3	36.0		40.4	34.4		50.0
54.0									32.6		36.2	31.6	40.5	35.3	30.7	40.4	35.3		39.8	34.6		39.0	33.7		36.9	32.9		54.0
58.0									29.6			28.6		32.1	27.7	36.8	32.0	27.1	36.1	31.3		35.3	30.4		34.1	29.6		58.0
62.0												26.1		29.3	25.2		29.2	25.0	33.0	28.4	23.0	32.1	27.5		31.4	26.8		62.0
66.0															23.0		26.7	22.8		26.0	22.0	29.4	25.1	19.1	28.7	24.3		66.0
70.0															21.2			20.9		23.8	20.0	27.1	22.9	18.8	26.3	22.2	15.7	70.0
74.0																		19.1		22.0	18.2		21.1	17.0	24.3	20.3	15.7	74.0
78.0																					16.6		19.4	15.4		18.6	14.5	78.0
82.0																					15.3			14.1		17.1	13.1	82.0
86.0																								12.9			11.8	86.0
90.0																											10.8	90.0
Reeves	16			16			12			12			8			8			8			8			8			Reeves

Working Radius (m)

54.0 m Boom Length

Boom length (m)	54.0																												Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
17.0	165.2																											17.0
18.0	156.4			151.4																								18.0
20.0	142.0			137.6			132.8																					20.0
22.0	129.3			125.4			121.9			117.3																		22.0
24.0	117.6			115.2			112.0			108.7			104.6															24.0
26.0	106.0			105.3			104.4			101.5			98.8			93.5												26.0
28.0	96.3			95.6			95.9			94.3			91.7			89.1			82.1			72.0						28.0
30.0	88.1	78.3		87.5			87.8			87.0			85.6			83.1			80.9			71.2			62.2			30.0
34.0		66.6		74.6	65.6		74.8			74.0			73.3			73.0			71.0			68.9			59.7			34.0
38.0		57.7			56.8		64.9	56.8		64.2	55.9		63.4			63.7			63.0			61.1			53.7			38.0
42.0			44.3		49.8		57.2	49.9		56.4	49.0		55.7	48.1		55.9			55.2			54.5			48.6			42.0
46.0			39.3		44.3	38.2		44.3		50.2	43.4		49.4	42.5		49.6	41.3		49.0	39.5		48.2			44.2			46.0
50.0						34.1		39.7	34.1		38.8		44.3	37.9		44.4	38.0		43.8	37.2		43.0	33.5		40.4			50.0
54.0						30.8			30.7		35.0	29.6	40.1	34.1		40.1	34.2		39.5	33.4		38.7	32.5		37.1	28.5		54.0
58.0									27.8		31.8	26.8		30.9	25.8	36.5	30.9		35.8	30.2		35.0	29.3		34.2	28.5		58.0
62.0												24.3		28.2	23.4		28.1	21.7	32.7	27.4		31.8	26.5		31.1	25.7		62.0
66.0												22.3			21.2		25.7	21.1	30.0	25.0	18.1	29.1	24.1		28.4	23.3		66.0
70.0															19.3			19.1		22.9	18.1	26.8	22.0	14.6	26.1	21.2		70.0
74.0																		17.4		21.1	16.4		20.1	14.6	24.0	19.3	11.6	74.0
78.0																		15.9			14.9		18.5	13.7		17.6	11.6	78.0
82.0																					13.6			12.4		16.1	11.4	82.0
86.0																								11.2		14.8	10.2	86.0
90.0																								10.3			9.2	90.0
94.0																											8.3	94.0
Reeves	16			12			12			12			8			8			8			8			8			Reeves

Working Radius (m)

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 16 m

60.0 m Boom Length

Boom length (m)	60.0																												Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
17.8	153.3																											17.8
18.0	151.8			146.1																								18.0
20.0	137.3			133.1			128.3																					20.0
22.0	125.2			121.4			118.1			113.5																		22.0
24.0	115.0			111.6			108.5			105.3			101.2															24.0
26.0	105.3			104.2			101.4			98.5			95.8			89.3												26.0
28.0	95.7			95.0			94.2			91.6			89.1			86.5			76.9									28.0
30.0	87.6			86.9			87.2			85.5			83.1			80.7			75.6			66.6						30.0
34.0		64.7		74.0	63.7		74.3			73.5			72.8			70.9			68.9			64.5			56.2			34.0
38.0		56.0			55.1		64.4	55.2		63.7			62.9			63.1			61.2			59.3			54.1			38.0
42.0		49.2			48.3		56.7	48.4		56.0	47.2		55.2	45.3		55.5			54.8			53.0			48.9			42.0
46.0			37.0		42.8			42.9		49.8	42.0		49.0	41.1		49.2	38.5		48.6			47.8			44.5			46.0
50.0			33.0			32.0		38.4			37.5		43.9	36.6		44.1	36.7		43.4	32.9		42.6	31.0		40.6			50.0
54.0						28.7			28.7		33.8		39.7	32.9		39.8	33.0		39.1	32.2		38.3	30.7		37.3	26.1		54.0
58.0						26.0			25.9		30.6	24.5		29.7		36.1	29.8		35.5	29.0		34.7	27.9		34.0	26.1		58.0
62.0									23.6			22.4		27.1	20.6		27.1	18.7	32.3	26.3		31.5	25.4		30.8	24.0		62.0
66.0												20.3			19.1		24.7	18.7	29.7	24.0	15.3	28.8	23.0		28.1	21.8		66.0
70.0															17.3		22.7	17.2		21.9	15.3	26.5	21.0	11.9	25.7	19.9		70.0
74.0															15.8			15.6		20.1	14.6		19.1	11.9	23.7	18.2		74.0
78.0																		14.2			13.2		17.5	11.9	21.9	16.5		78.0
82.0																					11.9		16.0	10.7		15.0		82.0
86.0																					10.8			9.6		13.7		86.0
90.0																								8.6				90.0
Reeves	12			12			12			12			8			8			8			8			8			Reeves

Working Radius (m)

66.0 m Boom Length

Boom length (m)	66.0																												Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			60.0			66.0			72.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
18.5	143.0																											18.5
20.0	132.6			127.6			123.9																					20.0
22.0	121.1			117.5			114.2			109.7																		22.0
24.0	111.4			108.0			105.0			103.1			95.8															24.0
26.0	104.1			101.0			98.3			95.5			92.8			82.6												26.0
28.0	95.1			94.0			91.4			88.8			86.3			81.0			71.3									28.0
30.0	87.0			87.3			85.4			82.9			80.6			78.2			70.1			61.8						30.0
34.0		62.7		74.3			73.8			73.0			71.0			68.8			66.8			59.8			52.6			34.0
38.0		54.2		64.5	53.8		64.0	51.8		63.2			62.4			61.2			59.4			57.4			50.9			38.0
42.0		47.5			47.5		56.3	46.7		55.5	44.1		54.7			54.9			53.2			51.4			48.9			42.0
46.0					42.1			41.4		49.3	40.4		48.5	37.6		48.9	35.6		48.0			46.3			44.7			46.0
50.0			30.8			30.0		37.0			36.1		43.5	35.2		43.7	34.8		43.1	30.2		41.9			40.4			50.0
54.0			27.6			27.4		33.4	25.4		32.4		39.3	31.5		39.4	31.5		38.8	30.1		38.0	25.2		36.7	23.6		54.0
58.0						24.6			23.6		29.4	21.2		28.5		35.8	28.6		35.1	27.3		34.3	25.2		33.5	23.6		58.0
62.0									21.3			20.0		25.9	17.5		25.9		32.0	24.9		31.2	23.3		30.5	21.9		62.0
66.0									19.3			18.1		23.7	16.9		23.7	13.9	29.4	22.8		28.5	21.2		27.8	19.9		66.0
70.0												16.4			15.2		21.7	13.9		20.9	10.9	26.2	19.4		25.4	18.0		70.0
74.0															13.7			13.6		19.0	10.9		17.8		23.4	16.4		74.0
78.0																		12.3		17.4	10.9		16.3		21.6	15.0		78.0
82.0																		11.1			10.1		14.9			13.8		82.0
86.0																					9.1					12.6		86.0
90.0																										11.5		90.0
Reeves	12			12			12			8			8			8			8			8			8			Reeves

Working Radius (m)

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

BOOM AND JIB ARRANGEMENTS

Heavy Duty Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
36 (118)	※ L 6.0 12.0 8T HU
42 (138)	※ L 6.0 6.0 12.0 8T HU L 12.0 12.0 8T HU
48 (157)	※ L 12.0 12.0 6.0 8T HU
54 (177)	※ L 6.0 6.0 12.0 12.0 8T HU L 12.0 12.0 12.0 8T HU
60 (197)	※ L 12.0 12.0 6.0 12.0 8T HU
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 8T HU L 12.0 12.0 12.0 12.0 8T HU
72 (236)	※ L 12.0 12.0 6.0 12.0 12.0 8T HU
78 (256)	※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T HU L 12.0 12.0 12.0 12.0 12.0 8T HU
84 (276)	※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T HU

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
HU	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

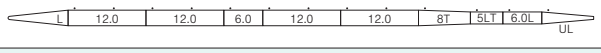
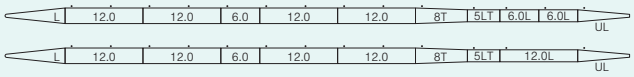
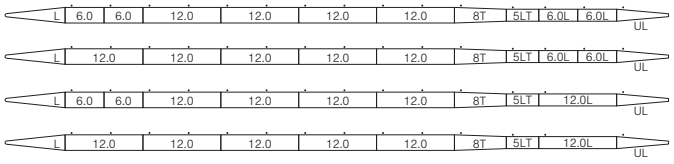
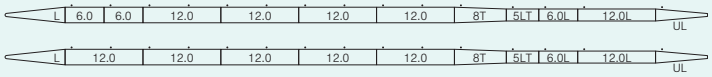
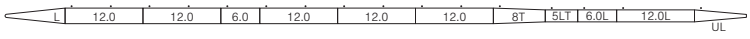
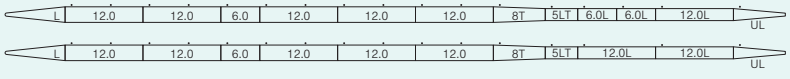
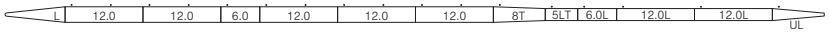
Luffing Boom Arrangements for Crane

Boom length m (ft)	Boom arrangement
36 (118)	※ L 6.0 12.0 8T LU
42 (138)	※ L 6.0 12.0 6.0 8T LU L 12.0 12.0 8T LU
48 (157)	※ L 12.0 12.0 6.0 8T LU
54 (177)	※ L 6.0 6.0 12.0 12.0 8T LU L 12.0 12.0 12.0 8T LU
60 (197)	※ L 12.0 12.0 6.0 12.0 8T LU
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 8T LU
72 (236)	※ L 12.0 12.0 6.0 12.0 12.0 8T LU
78 (256)	※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 12.0 8T LU
84 (276)	※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T LU

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
LU	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Long Boom Arrangements

Boom length m (ft)	Boom arrangement
90 (295)	
96 (315)	※ 
102 (335)	※ 
108 (354)	※ 
114 (374)	※ 
120 (394)	※ 
126 (413)	※ 

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
5LT	5.0 m (16.4 ft)	Luffing Insert Jib
6.0L	6.0 m (19.7 ft)	Luffing Insert Jib
12.0L	12.0 m (39.4 ft)	Luffing Insert Jib
UL	8.0 m (26.2 ft)	Luffing Tip

※indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

BOOM AND JIB ARRANGEMENTS

Heavy Fixed Jib Boom Arrangements (Type B2)

Boom length m (ft)	Boom arrangement
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 8T 1U L 12.0 12.0 12.0 12.0 8T 1U
72 (236)	※ L 12.0 12.0 6.0 12.0 12.0 8T 1U
78 (256)	※ L 12.0 12.0 6.0 6.0 12.0 12.0 8T 1U L 12.0 12.0 12.0 12.0 12.0 8T 1U

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
1U	1.0 m (3.3 ft)	Boom Tip

mark shows the guy line installing position when the fixed jib is used.

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Heavy Fixed Jib Arrangements (Type B2)

Jib length m (ft)	Jib arrangement
18 (59)	JL JU

Symbol	Jib Length	Remarks
JL	10.0 m (32.8 ft)	Jib Base
JU	8.0 m (26.2 ft)	Jib Tip

Heavy Fixed Jib Boom Arrangements (Type C)

Boom length m (ft)	Boom arrangement
84 (276)	※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T 1U
90 (296)	※ L 12.0 12.0 6.0 6.0 12.0 12.0 12.0 8T 1U L 12.0 12.0 12.0 12.0 12.0 12.0 8T 1U
96 (316)	※ L 12.0 12.0 6.0 12.0 12.0 12.0 12.0 8T 1U
102 (336)	※ L 12.0 12.0 6.0 6.0 12.0 12.0 12.0 12.0 8T 1U

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
1U	1.0 m (3.3 ft)	Boom Tip

mark shows the guy line installing position when the fixed jib is used.

※indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

Heavy Fixed Jib Arrangements (Type C)

Jib length m (ft)	Jib arrangement
18 (59)	JL JU

Symbol	Jib Length	Remarks
JL	10.0 m (32.8 ft)	Jib Base
JU	8.0 m (26.2 ft)	Jib Tip

Luffing Boom Arrangements for Luffing

Boom length m (ft)	Boom arrangement
36 (118)	※ L 6.0 12.0 8T LU
42 (138)	※ L 6.0 12.0 6.0 8T LU L 12.0 12.0 8T LU
48 (157)	※ L 12.0 12.0 6.0 8T LU
54 (177)	※ L 6.0 6.0 12.0 12.0 8T LU L 12.0 12.0 12.0 8T LU
60 (197)	※ L 12.0 12.0 6.0 12.0 8T LU
66 (217)	※ L 6.0 6.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 8T LU
72 (236)	※ L 12.0 12.0 6.0 12.0 12.0 8T LU
78 (256)	※ L 6.0 6.0 12.0 12.0 12.0 12.0 8T LU L 12.0 12.0 12.0 12.0 12.0 8T LU
84 (276)	※ L 12.0 12.0 6.0 12.0 12.0 12.0 8T LU

Symbol	Boom Length	Remarks
L	9.0 m (29.5 ft)	Boom Base
8T	8.0 m (26.2 ft)	Tapered Boom
6.0	6.0 m (19.7 ft)	Insert Boom
12.0	12.0 m (39.4 ft)	Insert Boom
LU	1.0 m (3.3 ft)	Boom Tip

※indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

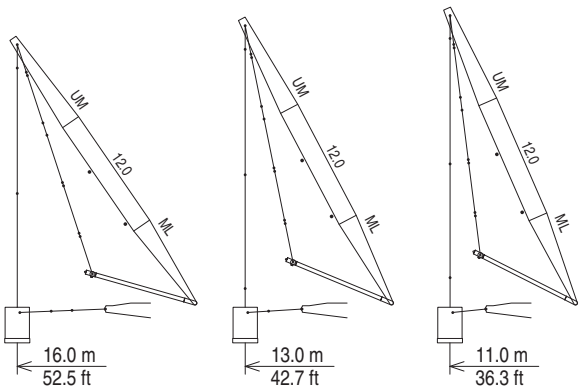
Luffing Jib Arrangements

Jib length m (ft)	Jib arrangement
24 (79)	L 6.0 U
30 (98)	※ L 6.0 6.0 U L 12.0 U
36 (118)	※ L 6.0 12.0 U
42 (136)	※ L 6.0 6.0 12.0 U L 12.0 12.0 U
48 (157)	※ L 6.0 12.0 12.0 U
54 (177)	※ L 6.0 6.0 12.0 12.0 U L 12.0 12.0 12.0 U
60 (197)	※ L 6.0 12.0 12.0 12.0 U
66 (217)	※ L 12.0 12.0 12.0 6.0 6.0 U L 12.0 12.0 12.0 12.0 U
72 (236)	※ L 12.0 12.0 12.0 6.0 12.0 U
78 (256)	※ L 12.0 12.0 12.0 6.0 6.0 12.0 U L 12.0 12.0 12.0 12.0 12.0 U
84 (276)	※ L 12.0 12.0 12.0 6.0 12.0 12.0 U

Symbol	Jib Length	Remarks
L	10.0 m (32.8 ft)	Jib Base
6.0	6.0 m (19.7 ft)	Luffing Insert Jib
12.0	12.0 m (39.4 ft)	Luffing Insert Jib
U	8.0 m (26.2 ft)	Jib Tip

※indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

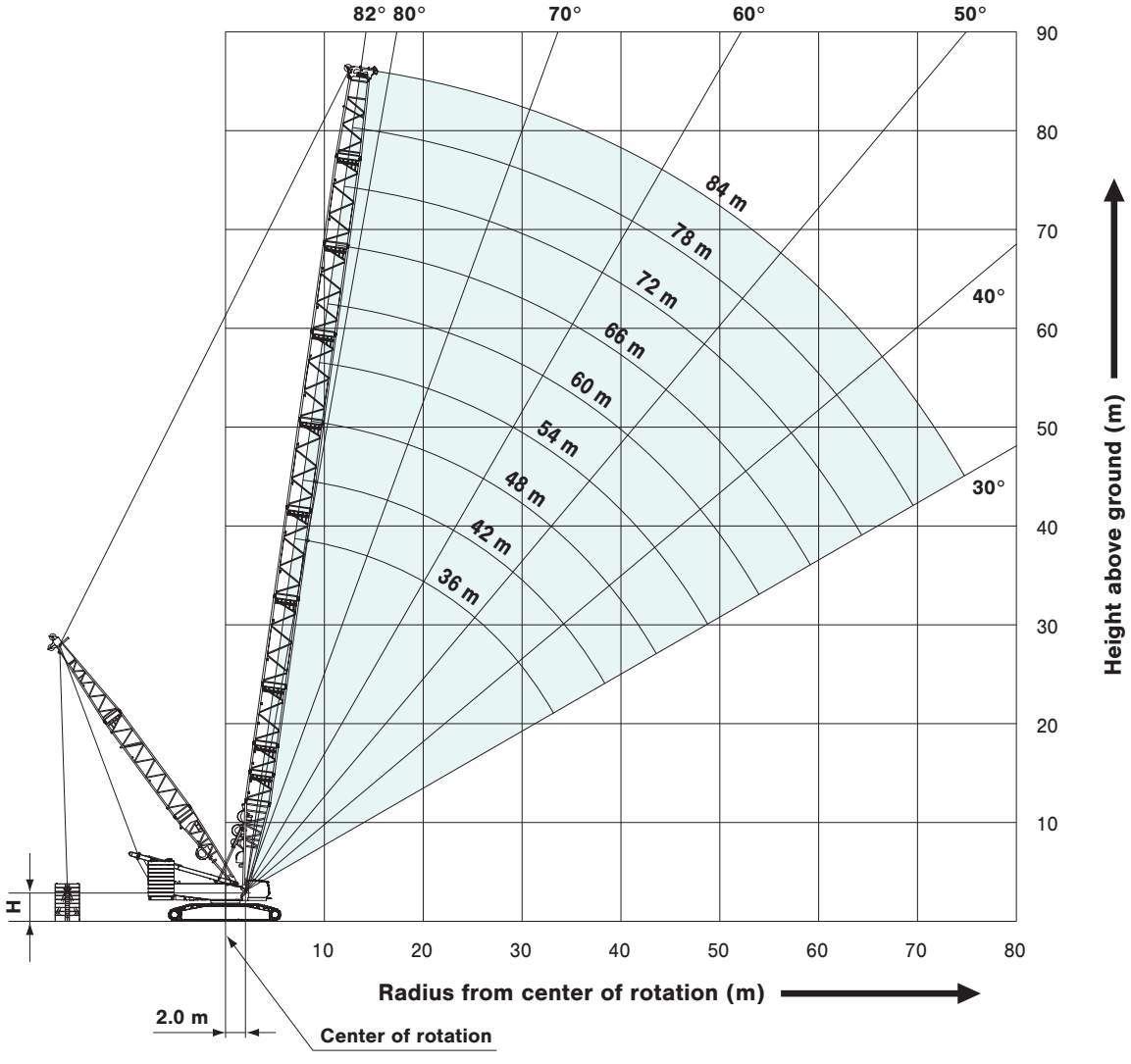
SHL MAST



Symbol	Mast Length	Remarks
ML	9.0 m (29.5 ft)	Mast Base
12.0	12.0 m (39.4 ft)	Insert Mast
UM	9.0 m (29.5 ft)	Mast Tip

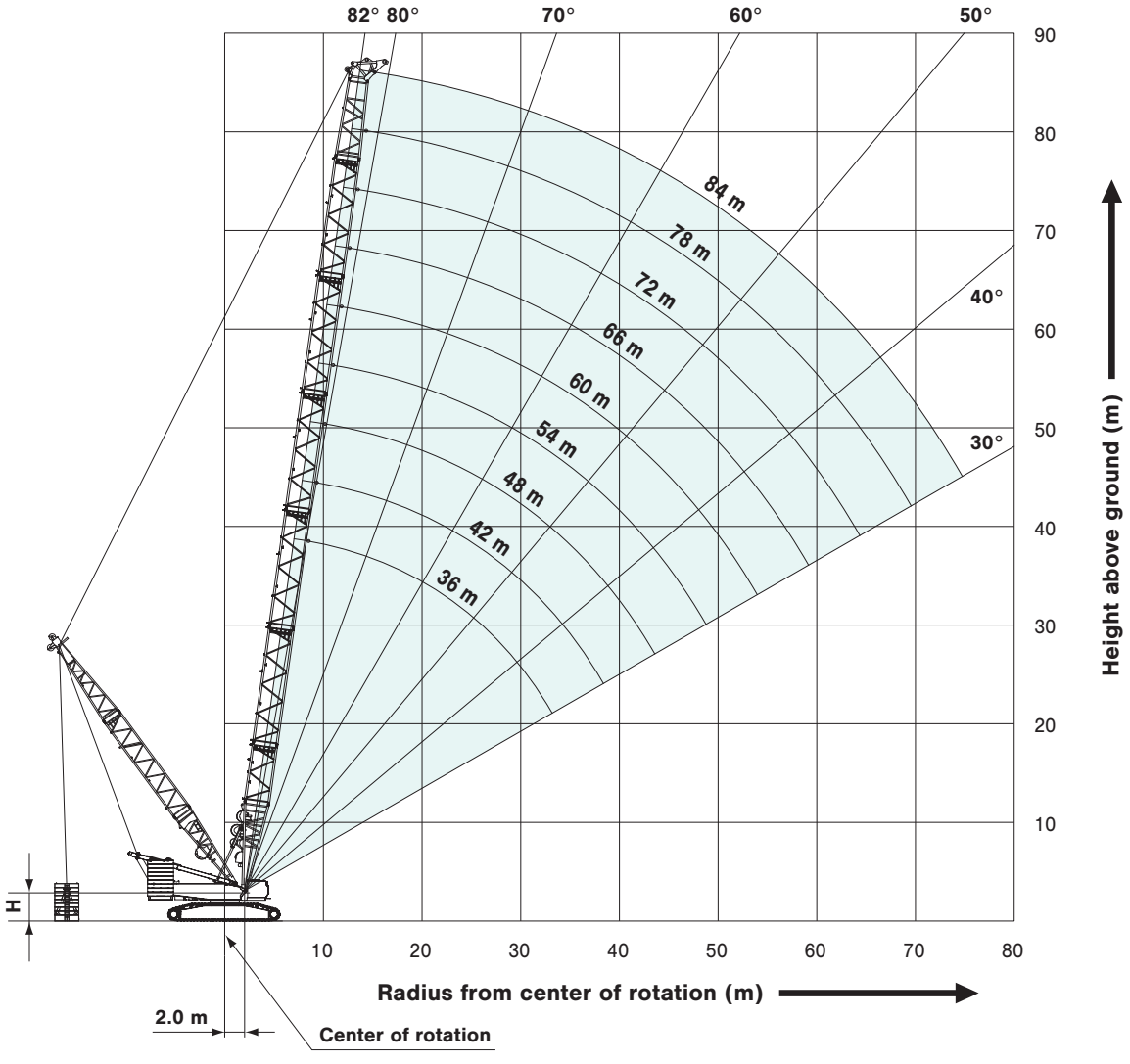
WORKING RANGES

Heavy Duty Crane Boom



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

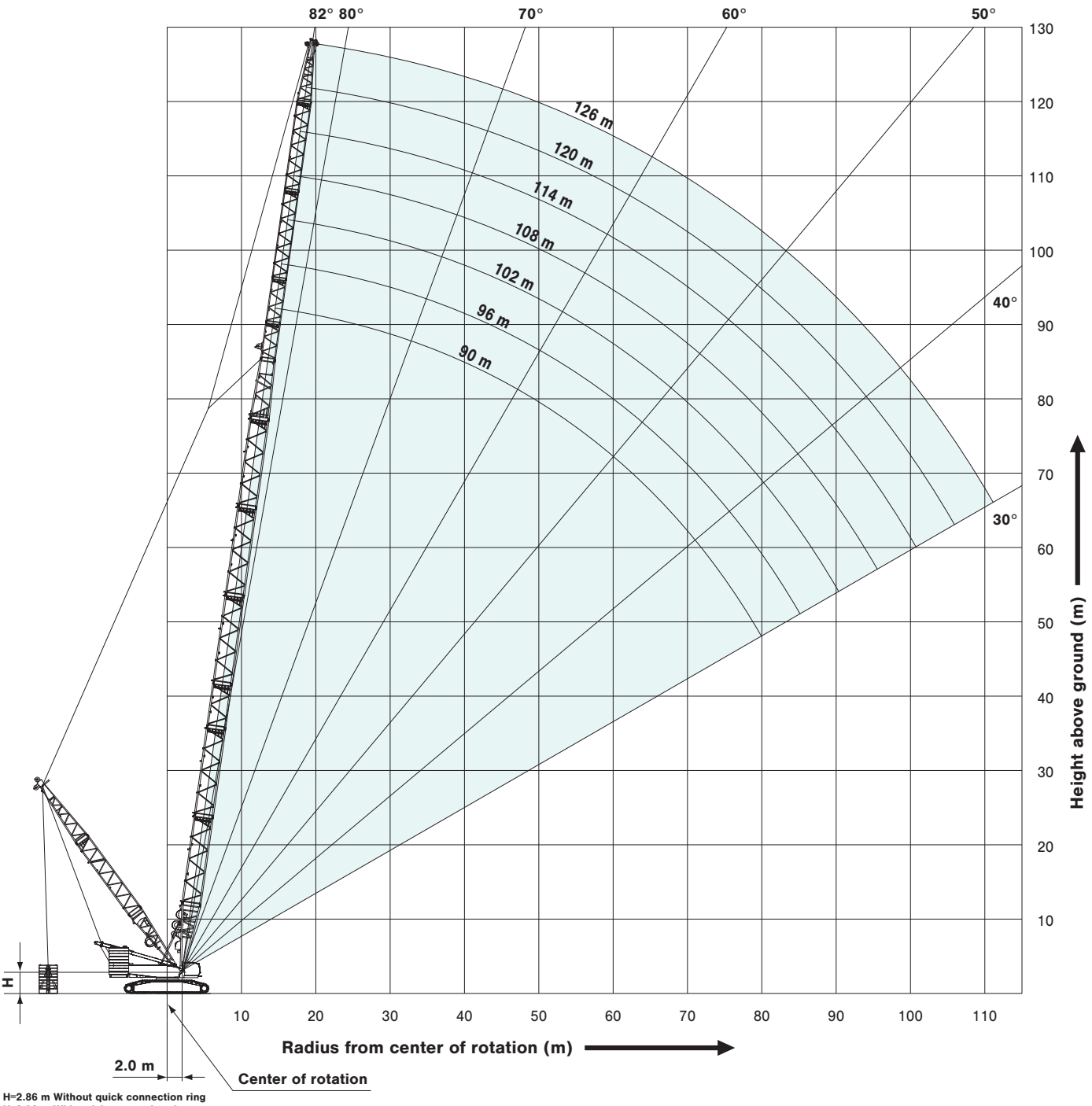
Luffing Boom



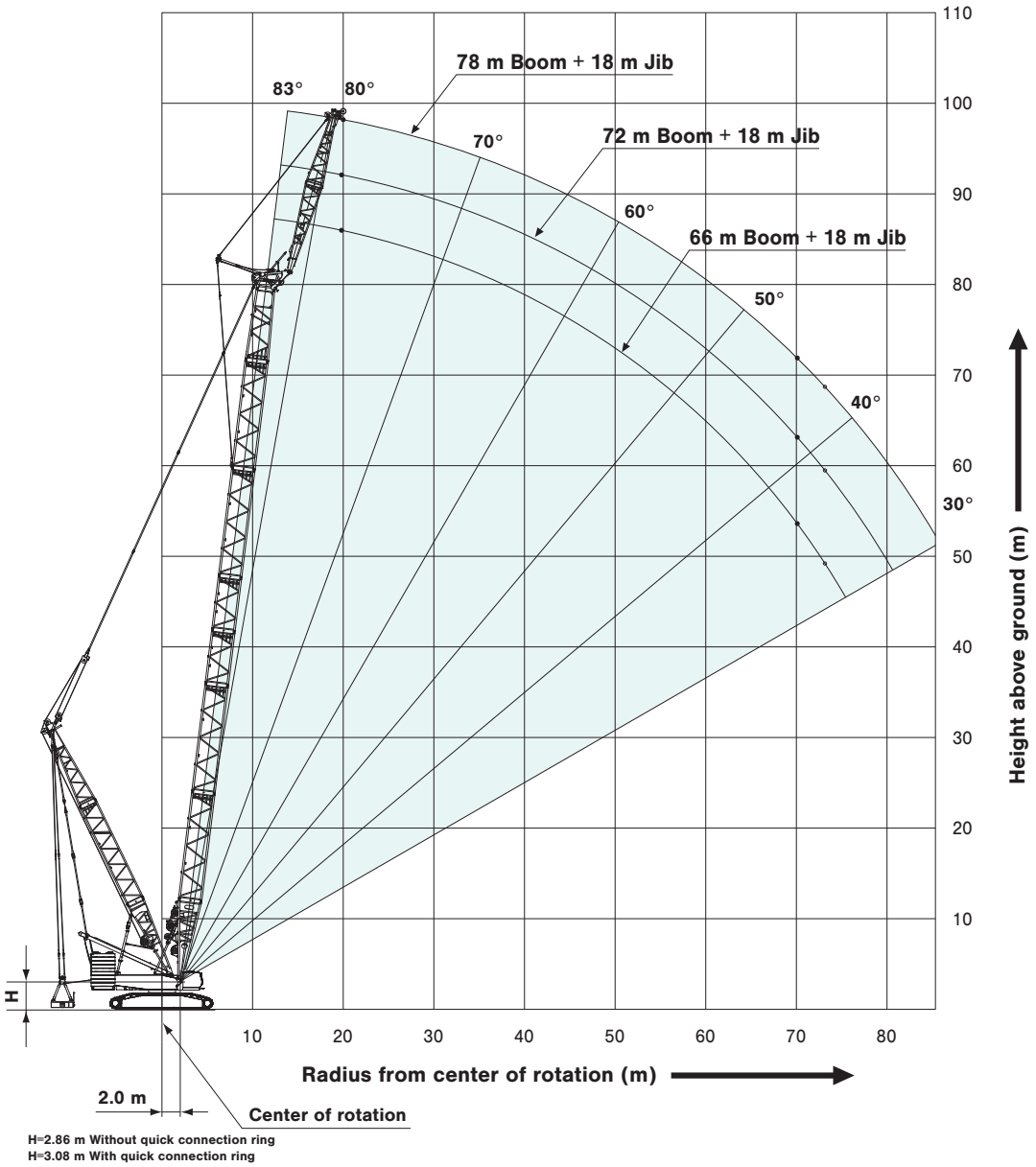
H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

WORKING RANGES

Long Boom



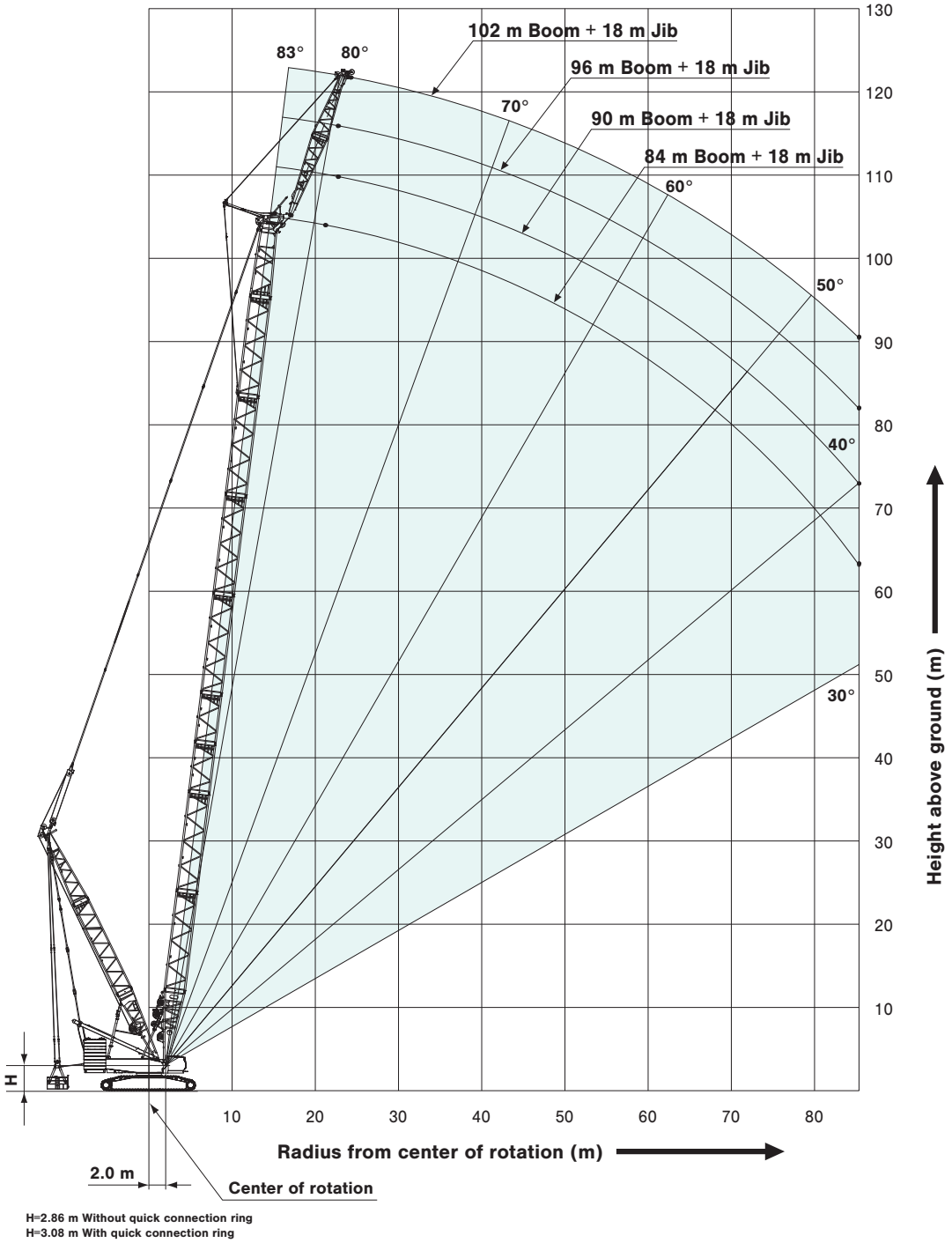
Heavy Fixed Jib (Type B2)



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

WORKING RANGES

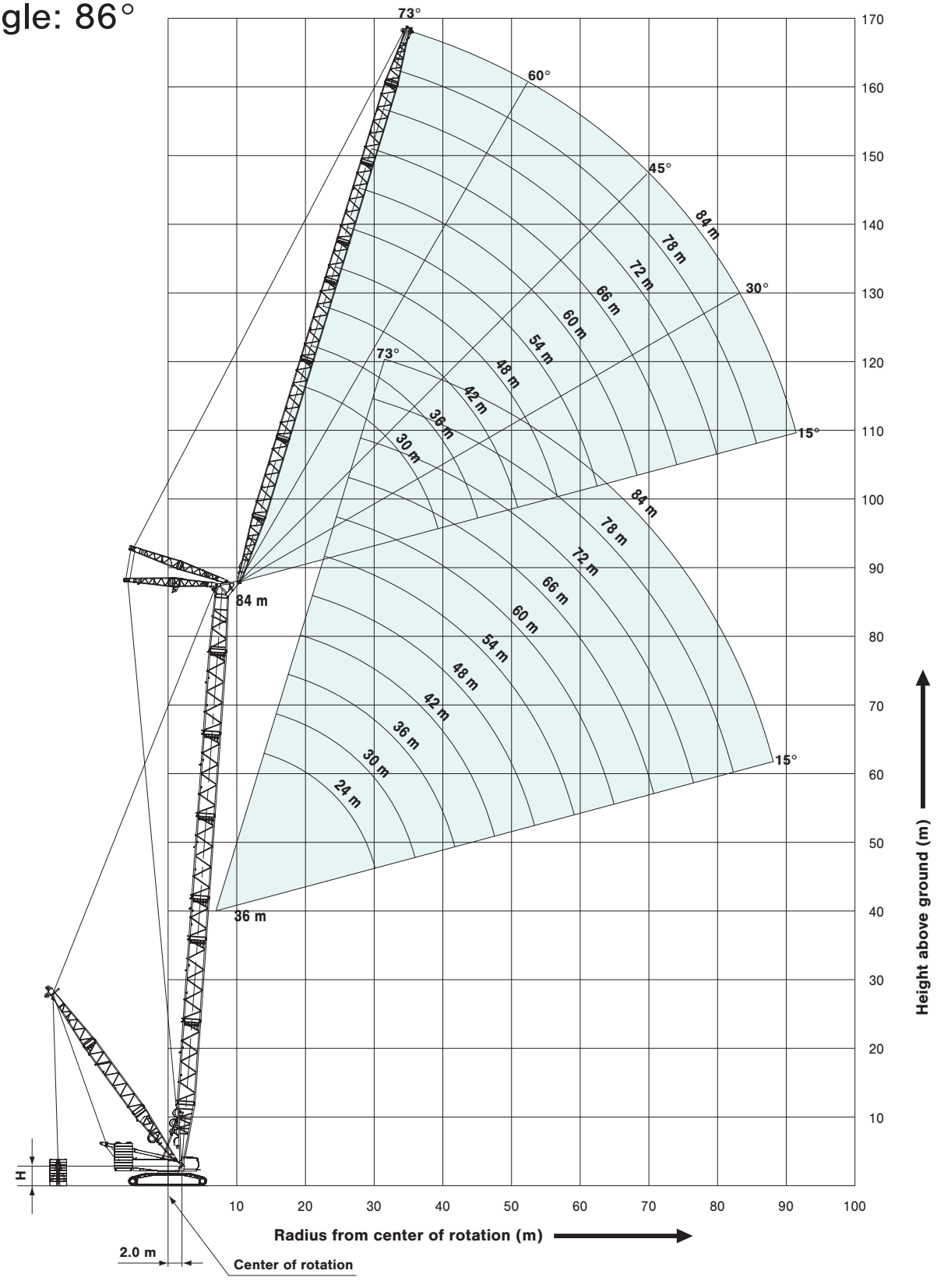
Heavy Fixed Jib (Type C)



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

Luffing Jib

Boom Angle: 86°

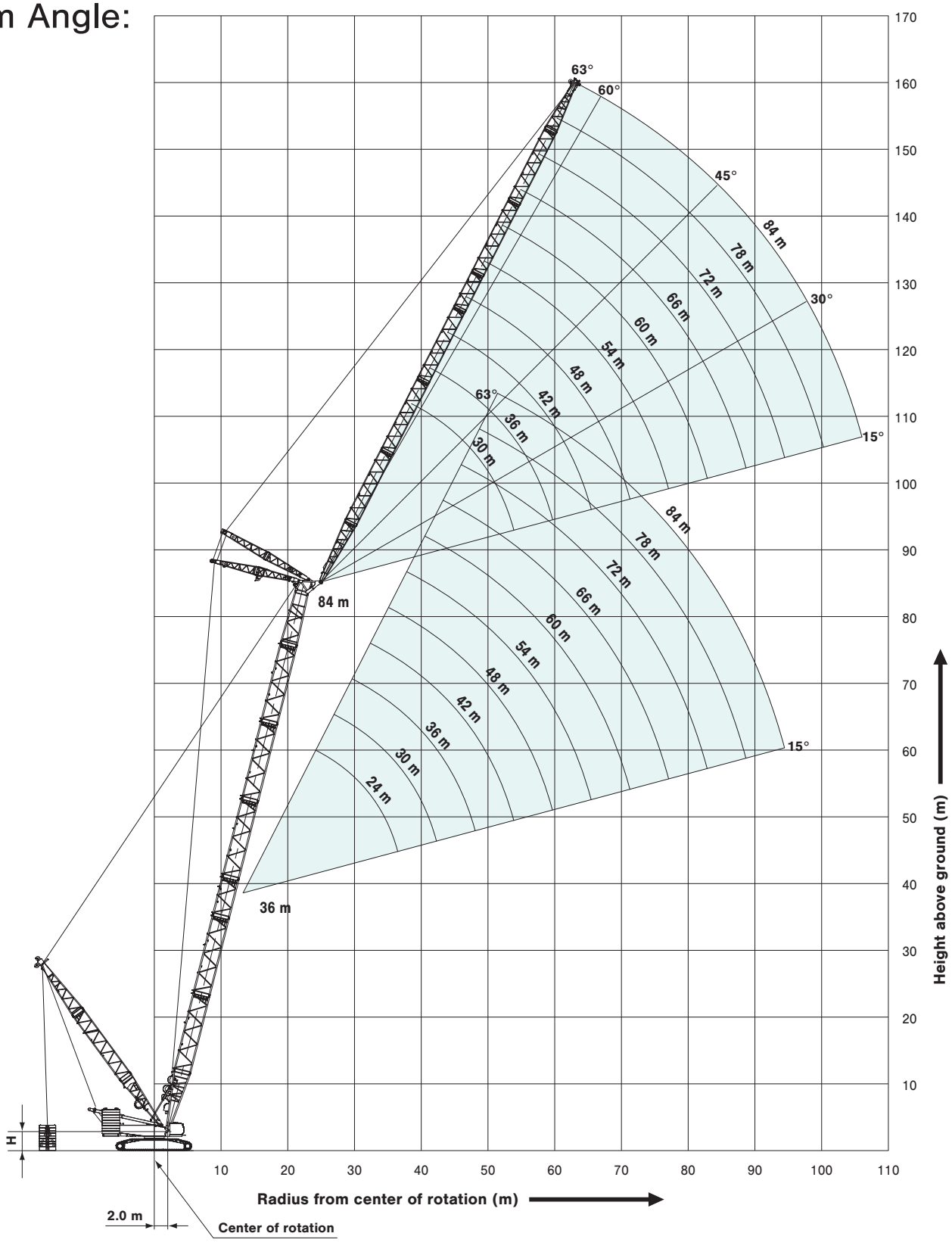


H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

WORKING RANGES

Luffing Jib

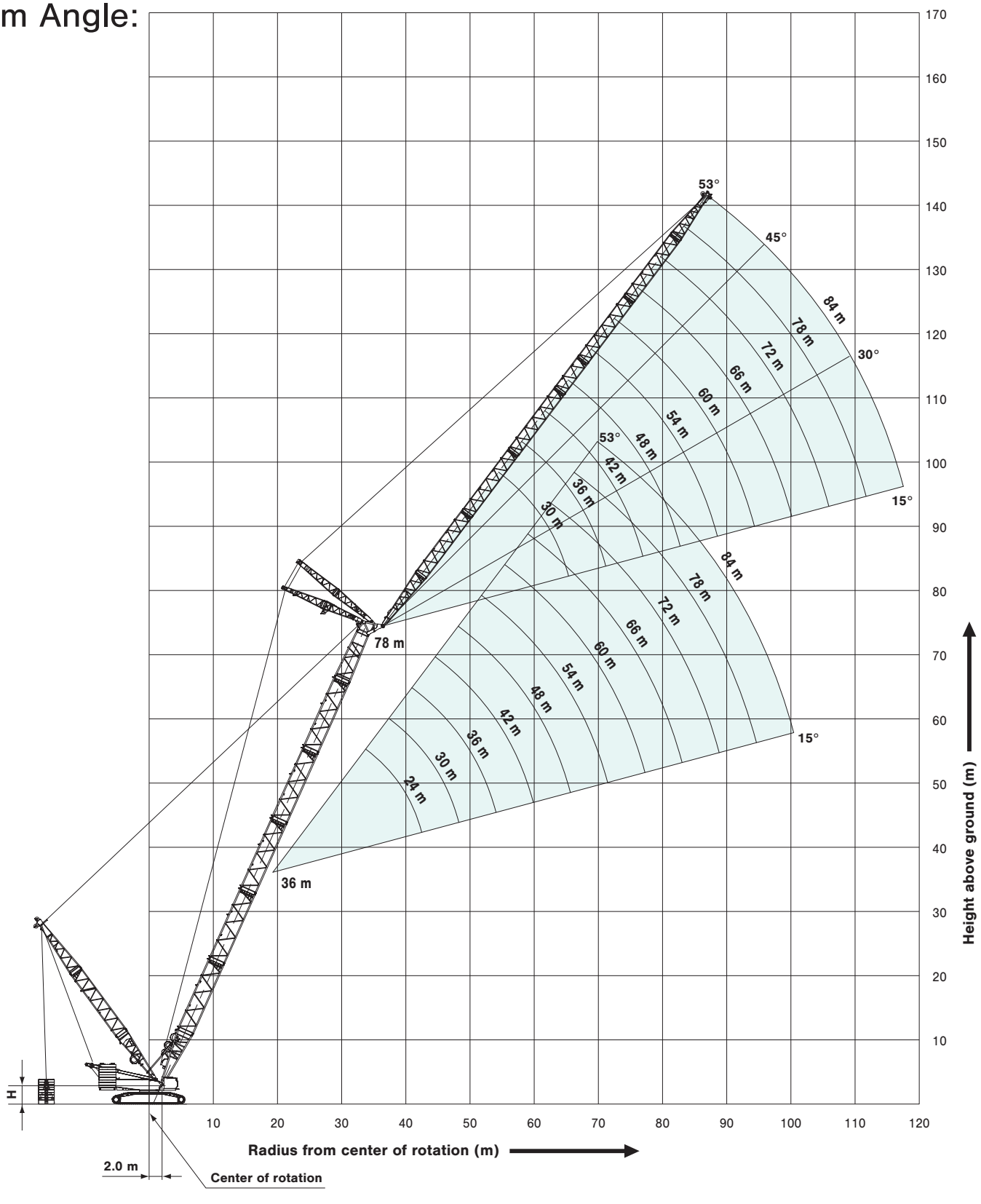
Boom Angle:
76°



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

Luffing Jib

Boom Angle: 66°



H=2.86 m Without quick connection ring
H=3.08 m With quick connection ring

LIFTING CAPACITIES

Heavy Duty Crane Boom Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 250.0 ton

Boom Length (m) / Load Radius (m)	36.0			42.0			48.0			54.0			60.0			Boom Length (m) / Load Radius (m)
	Palette weight			Palette weight			Palette weight			Palette weight			Palette weight			
	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	
8.0	8.3 m/550.0	8.3 m/550.0	8.3 m/550.0													**8.0**
9.0	548.9	548.8	548.7	9.2 m/547.9	9.2 m/547.6	9.2 m/547.3										**9.0**
10.0	528.0	547.0	547.0	526.8	547.6	547.3	10.0 m/450.0	10.0 m/450.0	10.0 m/450.0	10.9 m/370.0	10.9 m/370.0	10.9 m/370.0	11.7 m/336.0	11.7 m/336.0	11.7 m/336.0	**10.0**
12.0	442.2	476.2	524.5	441.1	475.1	524.5	440.2	450.0	450.0	370.0	370.0	370.0	336.0	336.0	336.0	**12.0**
14.0	379.8	409.2	449.6	378.7	408.1	449.6	377.9	407.3	449.6	370.0	370.0	370.0	336.0	336.0	336.0	**14.0**
16.0	332.4	358.3	393.4	331.4	357.2	393.4	330.6	356.4	393.4	329.3	355.2	370.0	328.3	336.0	336.0	**16.0**
18.0	295.2	318.3	349.7	294.2	317.3	349.7	293.4	316.5	349.7	292.2	315.3	349.6	291.2	314.3	336.0	**18.0**
20.0	265.2	286.0	314.7	264.2	285.1	314.7	263.5	284.3	314.7	262.2	283.1	314.1	261.2	282.1	313.1	**20.0**
22.0	240.5	259.5	286.1	239.5	258.5	286.1	238.8	257.8	286.1	237.6	256.6	284.9	236.6	255.6	283.9	**22.0**
24.0	219.2	237.3	262.2	218.9	236.3	262.2	218.1	235.6	261.6	216.9	234.4	260.4	215.9	233.4	259.4	**24.0**
26.0	199.4	218.4	236.2	199.4	217.4	241.5	199.3	216.7	240.7	199.0	215.5	239.6	198.4	214.5	238.6	**26.0**
28.0	182.5	200.1	209.8	182.5	200.0	223.5	182.4	199.8	222.8	182.0	199.3	221.7	181.4	198.3	220.7	**28.0**
30.0	168.1	181.5	186.1	168.1	184.3	206.8	167.9	184.1	206.5	167.5	183.6	205.9	166.8	182.9	205.1	**30.0**
32.0	153.0	164.5	164.3	155.5	170.7	190.1	155.4	170.5	191.4	154.9	170.0	190.8	154.2	169.2	190.0	**32.0**
34.0	33.8 m/139.9	33.8 m/150.4	33.8 m/145.2	144.6	158.8	171.6	144.4	158.6	178.2	143.9	158.1	177.6	143.2	157.3	176.7	**34.0**
36.0				134.8	148.2	154.4	134.7	148.0	166.5	134.2	147.5	165.9	133.4	146.7	165.1	**36.0**
38.0				126.2	136.3	138.2	126.0	138.7	156.1	125.6	138.1	155.6	124.8	137.3	154.7	**38.0**
40.0				39.0 m/121.2	39.0 m/130.4	39.0 m/129.9	118.3	130.3	143.8	117.8	129.8	146.3	117.0	128.9	145.4	**40.0**
44.0							105.0	115.3	118.1	104.5	115.4	130.3	103.8	114.5	129.4	**44.0**
48.0							44.2 m/104.4	44.2 m/114.4	44.2 m/116.7	93.5	103.4	111.7	92.8	102.6	116.3	**48.0**
52.0										49.4 m/90.1	49.4 m/99.7	49.4 m/104.5	83.5	92.6	104.7	**52.0**
56.0													54.6 m/78.2	54.6 m/86.9	54.6 m/93.9	**56.0**
Reeves	44	44	44	44	44	44	36	36	36	28	28	28	24	24	24	**Reeves**

Boom Length (m) / Load Radius (m)	66.0			72.0			78.0			84.0			Boom Length (m) / Load Radius (m)
	Palette weight			Palette weight			Palette weight			Palette weight			
	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	
12.0	12.5 m/280.0	12.5 m/280.0	12.5 m/280.0	13.4 m/280.0	13.4 m/280.0	13.4 m/280.0							**12.0**
14.0	280.0	280.0	280.0	280.0	280.0	280.0	14.2 m/220.0	14.2 m/220.0	14.2 m/220.0	15.0 m/200.0	15.0 m/200.0	15.0 m/200.0	**14.0**
16.0	280.0	280.0	280.0	280.0	280.0	280.0	220.0	220.0	220.0	200.0	200.0	200.0	**16.0**
18.0	280.0	280.0	280.0	280.0	280.0	280.0	220.0	220.0	220.0	200.0	200.0	200.0	**18.0**
20.0	260.0	280.0	280.0	258.9	279.7	280.0	220.0	220.0	220.0	200.0	200.0	200.0	**20.0**
22.0	235.3	254.3	280.0	234.3	253.3	280.0	220.0	220.0	220.0	200.0	200.0	200.0	**22.0**
24.0	214.7	232.1	258.2	213.6	231.1	257.1	212.3	220.0	220.0	200.0	200.0	200.0	**24.0**
26.0	197.1	213.3	237.3	196.1	212.2	236.3	194.8	211.0	220.0	193.7	200.0	200.0	**26.0**
28.0	180.6	197.1	219.4	179.8	196.0	218.4	178.9	194.8	217.1	177.9	193.7	200.0	**28.0**
30.0	166.0	182.0	203.9	165.2	181.2	202.8	164.3	180.2	201.6	163.2	179.1	200.0	**30.0**
32.0	153.4	168.3	189.0	152.6	167.5	188.1	151.6	166.5	187.0	150.6	165.4	185.9	**32.0**
34.0	142.3	156.3	175.7	141.5	155.5	174.8	140.5	154.5	173.8	139.5	153.4	172.6	**34.0**
36.0	132.5	145.8	164.1	131.7	144.9	163.1	130.7	143.9	162.1	129.7	142.8	160.9	**36.0**
38.0	123.9	136.4	153.7	123.0	135.5	152.7	122.0	134.5	151.7	121.0	133.4	150.5	**38.0**
40.0	116.1	128.0	144.4	115.3	127.1	143.4	114.3	126.1	142.4	113.2	124.9	141.2	**40.0**
44.0	102.8	113.6	128.5	102.0	112.7	127.5	100.9	111.6	126.4	99.8	110.5	125.2	**44.0**
48.0	91.8	101.7	115.3	91.0	100.8	114.3	89.9	99.7	113.2	88.8	98.6	112.1	**48.0**
52.0	82.6	91.7	104.2	81.7	90.8	103.3	80.7	89.7	102.2	79.6	88.6	101.0	**52.0**
56.0	74.7	83.1	94.8	73.9	82.2	93.8	72.8	81.2	92.7	71.7	80.0	91.6	**56.0**
60.0	59.8 m/68.2	59.8 m/76.1	59.8 m/84.2	67.1	74.9	85.7	66.0	73.8	84.6	64.9	72.7	83.4	**60.0**
64.0				61.1	68.4	78.6	60.1	67.4	77.5	59.0	66.3	76.3	**64.0**
68.0				65.0 m/59.7	65.0 m/66.9	65.0 m/75.7	54.9	61.7	71.2	53.8	60.6	70.1	**68.0**
72.0							70.2 m/52.2	70.2 m/58.9	70.2 m/67.8	49.1	55.6	64.6	**72.0**
76.0										75.4 m/45.6	75.4 m/51.8	75.4 m/60.3	**76.0**
Reeves	20	20	20	20	20	20	16	16	16	16	16	16	**Reeves**

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Please refer Page 21 for Crane Boom Supplemental Data.

Long Boom Lifting Capacities

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 250.0 ton x 11 m, 13 m, 16 m

Load Radius (m) \ Boom Length (m)	90.0	96.0	102.0	108.0	114.0	120.0	126.0	Boom Length (m) \ Load Radius (m)
14.0	15.0 m/98.0	15.8 m/98.0						**14.0**
16.0	98.0	98.0	16.7 m/84.0	17.5 m /84.0				**16.0**
18.0	98.0	98.0	84.0	84.0	18.3 m /80.0	19.2 m /70.0		**18.0**
20.0	98.0	98.0	84.0	84.0	79.4	70.0	20.0 m /60.0	**20.0**
22.0	98.0	98.0	84.0	84.0	78.7	70.0	59.3	**22.0**
24.0	98.0	98.0	84.0	84.0	78.0	69.3	58.5	**24.0**
26.0	98.0	97.7	84.0	83.9	77.3	68.7	57.8	**26.0**
28.0	98.0	93.1	84.0	80.1	76.6	68.0	57.0	**28.0**
30.0	98.0	89.0	84.0	76.6	75.9	67.3	53.8	**30.0**
32.0	96.3	84.2	84.0	73.2	75.2	66.0	51.1	**32.0**
34.0	92.7	79.8	84.0	69.9	72.2	63.0	48.4	**34.0**
36.0	89.2	74.9	81.1	66.4	69.3	60.2	45.7	**36.0**
38.0	86.0	69.8	77.3	62.9	66.5	57.8	43.4	**38.0**
40.0	83.4	65.0	74.8	60.1	63.7	55.1	41.9	**40.0**
44.0	75.9	55.7	68.2	54.8	58.8	50.3	39.4	**44.0**
48.0	69.2	48.1	63.0	51.3	53.4	47.2	37.0	**48.0**
52.0	64.2	43.8	58.4	47.6	50.3	44.5	34.7	**52.0**
56.0	59.6	40.7	54.2	44.6	47.7	42.3	32.7	**56.0**
60.0	55.4	38.1	50.1	41.8	45.1	40.2	31.0	**60.0**
64.0	52.4	36.0	47.1	38.9	42.7	38.4	29.6	**64.0**
68.0	50.2	34.5	45.0	36.5	40.9	36.9	28.4	**68.0**
72.0	48.1	33.3	42.8	34.6	39.2	35.6	27.4	**72.0**
76.0	46.3	32.2	41.0	33.0	37.6	34.3	26.5	**76.0**
80.0	44.2	31.4	38.9	31.2	36.1	33.3	25.8	**80.0**
84.0	80.1 m/44.2	30.8	37.9	30.3	35.1	32.4	25.1	**84.0**
88.0		85.3 m/30.6	36.9	29.3	34.3	31.7	24.6	**88.0**
92.0			90.5 m/36.2	28.5	33.6	31.1	23.9	**92.0**
96.0				95.7 m/28.0	32.9	30.5	23.5	**96.0**
100.0					30.9	30.1	22.9	**100.0**
104.0					100.9 m/30.4	28.2	22.3	**104.0**
108.0						106.1 m/27.2	22.0	**108.0**
112.0							111.3 m/21.8	**112.0**
Reeves	7	7	6	6	6	5	5	**Reeves**

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Please refer Page 21 for Crane Boom Supplemental Data.

LIFTING CAPACITIES

Heavy Fixed Jib (Type B2)
Lifting Capacities

Heavy Lift Mast Point Radius: 11 m

Unit: ton

Counterweight: 200.0 ton
Carbody weight: 50.0 ton
Pallet weight: 10.0 ton x 11 m

Jib Length (m)	18.0			Jib Length (m)
Working Radius (m) \ Boom Length (m)	66.0	72.0	78.0	Boom Length (m) \ Working Radius (m)
20.0	120.0	120.0	120.0	20.0
22.0	116.4	114.0	108.6	22.0
24.0	103.1	102.2	97.7	24.0
26.0	92.0	91.1	88.3	26.0
28.0	82.7	81.7	80.1	28.0
30.0	74.6	73.6	72.6	30.0
34.0	61.6	60.6	59.4	34.0
38.0	51.5	50.4	49.2	38.0
42.0	43.5	42.3	41.1	42.0
46.0	36.9	35.7	34.4	46.0
50.0	31.4	30.2	28.9	50.0
54.0	26.8	25.6	24.2	54.0
58.0	22.8	21.6	20.3	58.0
62.0	19.4	18.2	16.8	62.0
66.0	16.5	15.2	13.8	66.0
70.0	13.9	12.6	11.2	70.0
74.0	11.6	10.3	8.9	74.0
Reeves	10	10	10	Reeves

Note :
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray-color box in the table require double-drum specifications.
Please refer Page 21 for Heavy Fixed Jib Supplemental Data.

Heavy Fixed Jib (Type C)
Lifting Capacities

Unit: ton

Counterweight: 200.0 ton
Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 11 m

Jib Length (m)	18.0				Jib Length (m)
Working Radius (m) \ Boom Length (m)	84.0	90.0	96.0	102.0	Boom Length (m) \ Working Radius (m)
22.0	105.0				22.0
24.0	105.0	95.0	85.0		24.0
26.0	105.0	95.0	85.0	80.0	26.0
28.0	105.0	95.0	85.0	80.0	28.0
30.0	105.0	95.0	85.0	80.0	30.0
34.0	96.7	95.0	85.0	80.0	34.0
38.0	82.2	81.2	80.0	78.8	38.0
42.0	70.6	69.5	68.3	67.1	42.0
46.0	61.2	60.0	58.8	57.6	46.0
50.0	53.3	52.1	50.8	49.6	50.0
54.0	46.6	45.4	44.1	42.9	54.0
58.0	40.9	39.7	38.4	37.1	58.0
62.0	36.0	34.8	33.4	32.1	62.0
66.0	31.7	30.5	29.1	27.8	66.0
70.0	27.9	26.7	25.3	24.0	70.0
74.0	24.6	23.3	21.9	20.6	74.0
78.0	21.6	20.3	18.9	17.6	78.0
82.0	18.9	17.6	16.2	14.8	82.0
86.0	84.0 m/17.7	84.0 m/16.4	84.0 m/15.0	84.0 m/13.6	86.0
Reeves	8	8	8	8	Reeves

Note :
Designed and rated to comply with EN13000 .
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.
Please refer Page 21 for Heavy Fixed Jib Supplemental Data.

Luffing Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
Pallet weight: 250.0 ton x 13 m

Boom Length (m) / Load Radius (m)	36.0			42.0			48.0			54.0			60.0			Boom Length (m) / Load Radius (m)
	Palette weight			Palette weight			Palette weight			Palette weight			Palette weight			
	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	
8.0	8.5 m/300.0	8.5 m/300.0	8.5 m/300.0													**8.0**
9.0	300.0	300.0	300.0	9.3 m/300.0	9.3 m/300.0	9.3 m/300.0										**9.0**
10.0	300.0	300.0	300.0	300.0	300.0	300.0	10.2 m/300.0	10.2 m/300.0	10.2 m/300.0	11.0 m/280.0	11.0 m/280.0	11.0 m/280.0	11.8 m/280.0	11.8 m/280.0	11.8 m/280.0	**10.0**
12.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	280.0	280.0	280.0	280.0	280.0	280.0	**12.0**
14.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	280.0	280.0	280.0	280.0	280.0	280.0	**14.0**
16.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	280.0	280.0	280.0	280.0	280.0	280.0	**16.0**
18.0	283.9	300.0	300.0	282.9	300.0	300.0	281.9	300.0	300.0	280.0	280.0	280.0	279.7	280.0	280.0	**18.0**
20.0	253.4	275.4	300.0	253.8	274.4	300.0	252.9	273.4	300.0	251.7	272.2	280.0	250.7	271.3	280.0	**20.0**
22.0	226.0	248.1	277.5	226.3	248.3	276.6	226.3	247.7	275.6	225.8	246.5	274.4	225.6	245.6	273.5	**22.0**
24.0	203.6	223.7	248.9	203.8	223.8	251.3	203.7	223.6	251.0	203.2	223.1	250.2	203.0	222.7	249.7	**24.0**
26.0	185.0	202.5	223.0	185.1	203.4	228.6	184.9	203.2	228.3	184.4	202.6	227.5	184.1	202.2	227.1	**26.0**
28.0	168.6	182.3	199.8	169.2	186.2	209.5	169.0	185.9	209.1	168.4	185.2	208.3	168.1	184.8	207.8	**28.0**
30.0	152.2	164.7	177.0	155.6	171.4	193.0	155.4	171.1	192.6	154.8	170.4	191.9	154.4	170.0	191.3	**30.0**
32.0	137.6	149.0	156.1	143.8	158.5	177.2	143.6	158.2	178.4	142.9	157.5	177.6	142.5	157.1	177.0	**32.0**
34.0	33.9 m/124.8	33.9 m/135.1	33.9 m/136.8	133.5	147.1	161.9	133.2	147.0	165.9	132.6	146.3	165.1	132.1	145.8	164.5	**34.0**
36.0				124.2	134.5	146.4	124.1	137.1	154.9	123.4	136.3	154.1	123.0	135.8	153.5	**36.0**
38.0				113.6	123.0	130.7	116.0	128.2	145.1	115.3	127.5	144.3	114.8	127.0	143.7	**38.0**
40.0				39.1 m/107.9	39.1 m/116.9	39.1 m/122.1	108.7	120.3	134.3	108.0	119.6	135.5	107.5	119.1	134.9	**40.0**
44.0							95.5	103.6	111.0	95.5	106.0	120.4	95.0	105.5	119.9	**44.0**
48.0							44.3 m/94.2	44.3 m/102.2	44.3 m/109.1	85.2	94.7	104.6	84.7	94.3	107.4	**48.0**
52.0										49.5 m/81.7	49.5 m/89.7	49.5 m/97.3	76.0	84.8	96.9	**52.0**
56.0													54.7 m/70.8	54.7 m/79.2	54.7 m/87.2	**56.0**
Reeves	24	24	24	24	24	24	24	24	24	20	20	20	20	20	20	**Reeves**

Boom Length (m) / Load Radius (m)	66.0			72.0			78.0			84.0			Boom Length (m) / Load Radius (m)
	Palette weight			Palette weight			Palette weight			Palette weight			
	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	11 m	13 m	16m	
12.0	12.7 m/280.0	12.7 m/280.0	12.7 m/280.0	13.5 m/252.0	13.5 m/252.0	13.5 m/252.0							**12.0**
14.0	280.0	280.0	280.0	252.0	252.0	252.0	14.3 m/213.5	14.3 m/213.5	14.3 m/213.5	15.2 m/182.8	15.2 m/182.8	15.2 m/182.8	**14.0**
16.0	280.0	280.0	280.0	252.0	252.0	252.0	213.5	213.5	213.5	182.8	182.8	182.8	**16.0**
18.0	278.4	280.0	280.0	252.0	252.0	252.0	213.5	213.5	213.5	182.8	182.8	182.8	**18.0**
20.0	249.4	269.9	280.0	248.1	252.0	252.0	213.5	213.5	213.5	182.8	182.8	182.8	**20.0**
22.0	224.9	244.3	272.2	224.1	243.0	252.0	213.5	213.5	213.5	182.8	182.8	182.8	**22.0**
24.0	202.2	221.9	248.4	201.4	221.0	247.1	200.8	213.5	213.5	182.8	182.8	182.8	**24.0**
26.0	183.3	201.3	226.1	182.4	200.4	225.1	181.7	199.7	213.5	180.8	182.8	182.8	**26.0**
28.0	167.2	184.0	206.8	166.3	183.0	205.8	165.7	182.3	205.0	164.7	181.2	182.8	**28.0**
30.0	153.5	169.1	190.3	152.6	168.1	189.3	151.9	167.3	188.5	150.9	166.3	182.5	**30.0**
32.0	141.6	156.1	176.0	140.7	155.1	175.0	140.0	154.4	174.2	138.9	153.3	173.0	**32.0**
34.0	131.2	144.9	163.5	130.2	143.8	162.5	129.5	143.1	161.6	128.5	142.0	160.5	**34.0**
36.0	122.0	134.9	152.5	121.1	133.9	151.4	120.3	133.1	150.6	119.2	132.0	149.4	**36.0**
38.0	113.9	126.0	142.7	112.9	125.0	141.6	112.1	124.2	140.8	111.0	123.1	139.6	**38.0**
40.0	106.6	118.1	133.9	105.6	117.1	132.8	104.8	116.3	132.0	103.7	115.1	130.8	**40.0**
44.0	94.1	104.5	118.8	93.1	103.5	117.7	92.3	102.7	116.9	91.2	101.5	115.7	**44.0**
48.0	83.8	93.3	106.4	82.7	92.2	105.3	81.9	91.4	104.4	80.8	90.3	103.3	**48.0**
52.0	75.1	83.9	95.9	74.0	82.8	94.8	73.2	82.0	94.0	72.1	80.8	92.8	**52.0**
56.0	67.6	75.8	87.0	66.6	74.7	85.9	65.8	73.9	85.1	64.7	72.8	83.9	**56.0**
60.0	59.9 m/61.4	59.9 m/69.0	59.9 m/77.8	60.2	67.8	78.2	59.4	67.0	77.4	58.3	65.8	76.2	**60.0**
64.0				54.6	61.7	71.5	53.8	60.9	70.7	52.7	59.8	69.5	**64.0**
68.0				65.1 m/53.2	65.1 m/60.2	65.1 m/69.4	48.9	55.6	64.7	47.8	54.4	63.6	**68.0**
72.0							70.3 m/46.4	70.3 m/52.8	70.3 m/61.7	43.4	49.7	58.3	**72.0**
76.0										75.5 m/40.0	75.5 m/46.0	75.5 m/54.2	**76.0**
Reeves	20	20	20	20	20	20	16	16	16	16	16	16	**Reeves**

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
This is rated for double drum.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 21 for Crane Boom Supplemental Data.

LIFTING CAPACITIES
Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

36.0 m Boom Length

Working Radius (m)	Boom length (m)	36.0																		Boom length (m)	Working Radius (m)
	Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
14.4		200.0																		14.4	
15.0		193.2																		15.0	
16.0		182.2																		16.0	
17.0		176.9			171.2															17.0	
18.0		172.3			165.7			162.1												18.0	
20.0		164.7			156.4			152.0			143.5									20.0	
22.0		159.2			148.8			143.5			139.3			137.6						22.0	
24.0		155.9			142.8			136.3			132.4			129.6			119.3			24.0	
26.0		145.9	156.4		138.0			130.4			125.8			122.7			118.2			26.0	
28.0		129.4	149.8		134.7	142.2		125.4			120.2			116.7			114.3			28.0	
30.0		98.3	144.9		121.0	135.4		121.4			115.4			111.5			108.8			30.0	
34.0			130.7		99.8	125.6		103.2	118.9		105.8	115.0		103.0			99.8			34.0	
38.0				114.7		116.9	113.7	87.6	110.5		89.9	105.4		91.9	102.2		92.7			38.0	
42.0				101.7		98.0	100.8		104.7	100.6	78.0	98.3		79.7	94.2		81.3	91.6		42.0	
46.0							90.4		91.8	90.2	64.8	93.1	89.3	70.3	88.1		71.7	84.9		46.0	
50.0										81.7		81.3	80.8	62.6	82.4	79.9	63.9	79.6		50.0	
54.0										74.6			73.6		72.2	72.7	57.6	72.5	71.7	54.0	
58.0													67.6		63.5	66.7	48.0	64.7	65.7	58.0	
62.0																61.5		58.5	60.5	62.0	
66.0																			56.1	66.0	
70.0																			52.2	70.0	
Reeves		16			16			12			12			12			12			Reeves	

36.0 m Boom Length

Working Radius (m)	Boom length (m)	36.0															Boom length (m)	Working Radius (m)
	Jib length (m)	60.0			66.0			72.0			78.0			84.0			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
26.0		100.9															26.0	
28.0		100.1			89.1												28.0	
30.0		94.9			88.5			73.4									30.0	
34.0		85.9			87.1			72.3			62.4			54.1			34.0	
38.0		78.3			84.6			70.3			60.1			50.5			38.0	
42.0		71.9	83.2		79.0			65.3			55.5			46.4			42.0	
46.0		66.3	76.2		69.0	80.6		60.9			51.5			42.8			46.0	
50.0		61.6	70.6		60.7	74.6		57.0	63.9		48.0	54.2		39.7			50.0	
54.0		57.4	65.4		53.9	67.7		53.4	59.8		44.9	50.5		37.0	41.8		54.0	
58.0		53.2	62.9	65.7	48.0	59.8		47.6	57.5		42.2	47.2		34.5	38.8		58.0	
62.0		48.0	58.8	60.5	43.0	53.2	59.4	43.0	53.3		39.7	44.2		32.3	36.2		62.0	
66.0			52.8	56.0	38.5	47.6	54.9	38.6	47.7	54.1	37.4	41.6		30.3	33.8		66.0	
70.0			47.0	52.0	34.5	42.7	50.4	34.7	42.9	49.8	35.1	39.2	43.3	28.5	31.7		70.0	
74.0				48.5		38.3	45.3	31.1	38.6	44.8	31.6	37.0	40.9	26.8	29.8	33.1	74.0	
78.0							40.9		34.8	40.5	28.5	34.9	38.7	25.3	28.1	31.1	78.0	
82.0							37.5		31.3	37.0	25.0	31.5	36.0	23.7	26.5	29.3	82.0	
86.0										34.3		28.5	33.7	22.3	25.1	27.7	86.0	
90.0													30.8		23.8	26.3	90.0	
94.0													27.8		22.6	25.0	94.0	
98.0																23.9	98.0	
Reeves		8			8			8			8			8			Reeves	

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

Unit: ton

Luffing Jib Lifting Capacity

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

42.0 m Boom Length

Boom length (m)	42.0																		Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
15.4	191.5																		15.4
16.0	188.0																		16.0
17.0	182.7			176.8															17.0
18.0	178.1			171.3															18.0
20.0	170.7			162.0			157.3												20.0
22.0	165.5			154.5			148.7			145.1			133.1						22.0
24.0	162.6			148.5			141.6			137.4			131.3			111.9			24.0
26.0	149.7			144.0			135.7			130.8			127.5			110.6			26.0
28.0	132.6	158.0		137.9			130.8			125.2			121.4			109.2			28.0
30.0	112.9	148.1		123.6	143.5		127.0			120.4			116.2			107.4			30.0
34.0		130.7		101.8	130.7		105.1	126.0		107.9			107.7			103.4			34.0
38.0		116.9	112.4		116.7		89.0	116.7		91.5	111.7		93.5	108.5		95.3			38.0
42.0			99.6		103.5	98.6	73.0	103.4		79.2	102.6		81.0	99.8		82.5	97.2		42.0
46.0						88.4		92.8	88.3	69.4	91.9		71.1	91.1		72.5	90.0		46.0
50.0						80.1			79.9		83.2	78.9	63.3	82.3		64.6	81.4		50.0
54.0									72.8		73.9	71.9		75.0	71.0	58.2	74.0		54.0
58.0												65.9		66.2	65.0	52.3	66.8	64.0	58.0
62.0												60.9			60.0		59.2	58.9	62.0
66.0															55.6		52.6	54.5	66.0
70.0																		50.7	70.0
74.0																		47.4	74.0
Reeves	16			16			12			12			12			8			Reeves

Working Radius (m)

42.0 m Boom Length

Boom length (m)	42.0															Boom length (m)
Jib length (m)	60.0			66.0			72.0			78.0			84.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
26.0	95.1															26.0
28.0	94.2			82.4												28.0
30.0	93.1			81.7			69.6									30.0
34.0	86.6			80.0			68.4			59.3			51.5			34.0
38.0	78.9			77.9			66.9			58.2			50.7			38.0
42.0	72.3			75.4			65.1			55.8			46.6			42.0
46.0	66.7	78.4		69.8	84.6		61.1			51.8			43.0			46.0
50.0	61.9	72.5		61.3	79.1		57.2	65.3		48.2			39.8			50.0
54.0	57.6	68.3		54.3	69.4		53.7	62.4		45.0	51.6		37.2	42.8		54.0
58.0	53.8	62.7		48.4	61.3		48.0	58.6		42.2	48.2		34.7	39.8		58.0
62.0	48.4	58.0	59.0	43.3	54.9	57.8	43.0	55.2		39.7	45.1		32.5	37.1		62.0
66.0		54.4	54.5	38.8	49.0	53.4	38.6	49.5	52.6	37.4	42.3		30.4	34.7		66.0
70.0		49.4	50.6	34.8	43.9	49.5	34.7	44.4	48.7	34.2	39.9	44.8	28.6	32.6		70.0
74.0			47.2		39.4	46.1	31.4	40.0	45.3	30.9	37.7	42.2	26.9	30.6	34.3	74.0
78.0			44.2		35.3	43.0		36.1	42.2	28.5	35.7	39.8	25.3	28.8	32.2	78.0
82.0						39.1		32.5	38.8	25.1	32.6	37.8	23.6	27.2	30.3	82.0
86.0									35.1		29.5	34.5	22.4	25.7	28.6	86.0
90.0									31.8		26.5	31.3		24.3	27.1	90.0
94.0												28.4		23.1	25.7	94.0
98.0															24.4	98.0
102.0															23.3	102.0
Reeves	8			8			8			8			8			Reeves

Working Radius (m)

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

LIFTING CAPACITIES
Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

48.0 m Boom Length

Working Radius (m)	Boom length (m)	48.0																		Boom length (m)	Working Radius (m)
	Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
16.2		191.5																		16.2	
17.0		187.3			181.3															17.0	
18.0		182.6			175.8															18.0	
20.0		175.2			166.3			161.5												20.0	
22.0		170.0			158.7			152.9			143.9									22.0	
24.0		167.3			152.8			145.7			140.9			121.6			105.2			24.0	
26.0		154.0			148.3			139.7			134.6			119.4			103.9			26.0	
28.0		135.9	158.7		141.3			134.9			128.9			116.9			102.4			28.0	
30.0		121.1	148.1		126.4			130.2			124.1			114.2			100.6			30.0	
34.0			130.7		103.8	130.7		107.1	130.7		109.9			108.1			96.5			34.0	
38.0			116.0			115.1		90.6	115.2		92.9	114.2		94.9			91.8			38.0	
42.0				97.5		102.1		77.8	102.1		80.3	101.2		82.1	100.3		83.7	99.3		42.0	
46.0				87.4			86.4		91.5		70.3	90.6		72.1	89.8		73.4	88.8		46.0	
50.0							78.1		82.8	78.0		81.9	77.0	64.1	81.1		65.4	80.1		50.0	
54.0										71.1		74.7	70.1	57.3	73.8	69.2	58.7	72.9		54.0	
58.0										65.2			64.3		67.7	63.3	52.7	66.7	62.3	58.0	
62.0													59.3		60.7	58.3		61.5	57.3	62.0	
66.0																54.0		54.7	53.0	66.0	
70.0																50.3			49.2	70.0	
74.0																			45.9	74.0	
Reeves		16			16			12			12			12			8			Reeves	

48.0 m Boom Length

Working Radius (m)	Boom length (m)	48.0																Boom length (m)	Working Radius (m)
	Jib length (m)	60.0			66.0			72.0			78.0			84.0			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
26.0		89.5															26.0	
28.0		88.5			77.0												28.0	
30.0		87.4			76.2			66.3									30.0	
34.0		84.6			74.3			65.0			56.3			49.0			34.0	
38.0		79.4			72.1			63.4			55.1			48.2			38.0	
42.0		72.8			69.5			61.5			53.8			46.9			42.0	
46.0		67.1	80.8		66.6			59.5			52.0			43.2			46.0	
50.0		62.2	74.2		62.0	79.3		57.3	66.9		48.4			40.0			50.0	
54.0		57.9	68.5		54.8	72.0		53.9	62.4		45.2	52.8		37.1			54.0	
58.0		54.2	63.5		48.8	63.8		48.4	59.6		42.3	49.2		34.5	40.7		58.0	
62.0		48.8	59.3	57.4	43.6	56.5		43.3	56.3		39.8	46.0		32.3	37.8		62.0	
66.0			55.6	53.0	39.1	51.1	51.8	38.8	51.5		37.4	43.2		30.5	35.2		66.0	
70.0			50.6	49.2	35.0	45.9	48.0	34.9	46.1	47.2	34.4	40.6		28.7	32.9		70.0	
74.0			45.2	45.9		41.2	44.7	31.5	41.4	43.9	31.0	38.4	42.9	27.0	31.0		74.0	
78.0				42.9		36.9	41.7		37.3	40.9	28.0	36.3	40.0	25.0	29.1	33.3	78.0	
82.0				40.3			39.1		33.6	38.3	25.2	33.7	37.3	23.6	27.5	31.3	82.0	
86.0							36.7			35.9		30.5	34.9	22.4	26.0	29.5	86.0	
90.0										33.6		27.5	32.8		24.6	27.9	90.0	
94.0													30.0		23.3	26.3	94.0	
98.0													27.2			25.0	98.0	
102.0																23.9	102.0	
Reeves		8			8			8			8			8			Reeves	

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

Unit: ton

Luffing Jib Lifting Capacity

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

54.0 m Boom Length

Working Radius (m)	Boom length (m)	54.0																		Boom length (m)	Working Radius (m)
	Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
17.0		191.0																		17.0	
18.0		186.2			179.5															18.0	
20.0		178.5			169.8			157.2												20.0	
22.0		173.3			162.0			152.9			132.3									22.0	
24.0		170.4			155.9			147.8			129.2			112.4						24.0	
26.0		158.3			151.4			142.5			125.8			110.1			95.8			26.0	
28.0		139.4			145.0			137.0			121.9			107.6			94.2			28.0	
30.0		124.0	148.1		129.3			131.4			117.8			104.9			92.3			30.0	
34.0			130.7		105.8	130.0		109.0			109.6			98.8			88.1			34.0	
38.0			114.5			113.5		92.1	113.6		94.4	112.7		92.5			83.4			38.0	
42.0				95.1		100.6		79.0	100.7		81.4	99.7		83.3	98.8		78.6			42.0	
46.0				85.2		90.2	84.1		90.2		71.3	89.3		73.0	88.4		73.7	87.4		46.0	
50.0							76.0		81.6	76.0		80.7		64.8	79.8		66.2	78.9		50.0	
54.0							69.3			69.2		73.5	68.2	53.8	72.7		59.4	71.7		54.0	
58.0										63.4		67.5	62.5		66.6	61.5	51.9	65.6		58.0	
62.0													57.6		61.4	56.6		60.4	55.5	62.0	
66.0													53.3			52.4		55.9	51.3	66.0	
70.0																48.7			47.6	70.0	
74.0																			44.4	74.0	
78.0																			41.6	78.0	
Reeves		16			12			12			12			12			8			Reeves	

54.0 m Boom Length

Working Radius (m)	Boom length (m)	54.0																Boom length (m)	Working Radius (m)
	Jib length (m)	60.0			66.0			72.0			78.0			84.0				Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°		Boom angle	
28.0		82.1			72.0													28.0	
30.0		80.9			71.2			62.2										30.0	
34.0		78.1			69.3			60.8			52.8			46.4				34.0	
38.0		74.7			66.9			59.1			51.6			45.5				38.0	
42.0		71.1			64.2			57.2			50.1			44.5				42.0	
46.0		67.3	83.4		61.3			55.0			48.5			43.3				46.0	
50.0		62.5	76.3		58.3	75.1		52.7			46.8			40.1				50.0	
54.0		58.2	70.3		55.3	70.8		50.4	63.8		45.0	54.1		37.2				54.0	
58.0		54.4	65.1		49.2	64.7		48.0	59.6		42.4	50.3		34.6	41.6			58.0	
62.0		49.2	60.6		43.9	58.8		43.6	56.0		39.8	47.0		32.3	38.6			62.0	
66.0		39.4	56.0	51.4	39.3	52.3		39.1	51.8		37.5	44.0		30.2	36.0			66.0	
70.0			52.1	47.7	35.2	46.8	46.5	35.1	46.3		34.6	41.4		28.3	33.6			70.0	
74.0			47.0	44.4		42.3	43.2	31.6	42.3	42.4	31.2	39.1	41.4	26.5	31.6			74.0	
78.0				41.5		37.9	40.3		38.6	39.5	28.1	37.0	38.5	25.0	29.7	34.5		78.0	
82.0				38.9			37.7		34.8	36.9	25.3	34.9	35.9	23.6	28.0	32.3		82.0	
86.0							35.4		31.3	34.6		31.5	33.6	22.3	26.5	30.4		86.0	
90.0							33.3			32.5		28.5	31.5		25.0	28.6		90.0	
94.0										30.6			29.6		23.7	27.0		94.0	
98.0													28.0		21.9	25.6		98.0	
102.0													26.0			24.4		102.0	
106.0																23.2		106.0	
Reeves		8			8			8			8			8				Reeves	

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

LIFTING CAPACITIES
Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

60.0 m Boom Length

Boom length (m)	60.0																		Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
Working Radius (m)	Double Drum			Double Drum			Double Drum			Double Drum			Double Drum			Double Drum			Working Radius (m)
17.8	190.1																		17.8
18.0	189.1			164.0															18.0
20.0	181.2			164.0			144.3												20.0
22.0	175.6			159.6			140.2			121.8									22.0
24.0	163.8			152.9			135.6			118.9			103.9						24.0
26.0	150.9			146.0			130.8			115.5			101.8			89.3			26.0
28.0	139.6			139.2			125.7			111.9			99.3			87.7			28.0
30.0	126.9			130.1			120.5			108.2			96.7			85.9			30.0
34.0		129.1		107.8	128.1		110.6			100.5			91.0			81.8			34.0
38.0		112.8			111.8		93.6	111.9		92.9			85.0			77.3			38.0
42.0		99.9			99.0		80.2	99.1		82.7	98.1		79.2	97.2		72.7			42.0
46.0			82.9		88.7			88.8		72.3	87.8		73.7	86.9		68.1	85.9		46.0
50.0			74.9			73.8		80.3			79.4		65.6	78.5		63.8	77.5		50.0
54.0						67.2			67.2		72.3		58.6	71.4		59.7	70.4		54.0
58.0						61.7			61.6		66.3	60.5		65.4		53.5	64.4		58.0
62.0									56.7			55.7		60.3	54.8		59.2	53.7	62.0
66.0												51.6			50.6		54.8	49.5	66.0
70.0															47.0		51.0	45.9	70.0
74.0															43.9			42.8	74.0
78.0																		40.0	78.0
Reeves	16			16			12			12			8			8			Reeves

60.0 m Boom Length

Boom length (m)	60.0															Boom length (m)
Jib length (m)	60.0			66.0			72.0			78.0			84.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
Working Radius (m)	Double Drum			Double Drum			Double Drum			Double Drum			Double Drum			Working Radius (m)
28.0	76.9															28.0
30.0	75.6			66.6												30.0
34.0	72.8			64.5			56.2			49.8			43.6			34.0
38.0	69.5			62.2			54.5			48.6			42.7			38.0
42.0	66.0			59.6			52.6			47.1			41.6			42.0
46.0	62.4			56.8			50.4			45.5			40.4			46.0
50.0	58.8	77.8		53.9	70.3		48.2			43.8			39.1			50.0
54.0	55.4	70.7		51.0	69.6		46.0	59.9		42.0			37.4			54.0
58.0	52.1	64.7		48.3	63.6		43.7	59.6		40.1	51.5		34.7	42.7		58.0
62.0	49.2	59.5		44.3	58.4		41.5	57.1		38.3	48.0		32.4	39.8		62.0
66.0	44.2	55.0	49.8	39.6	53.9		39.4	53.1		36.6	44.9		30.2	37.1		66.0
70.0		51.1	46.1	35.4	48.5	44.9	35.4	48.0		34.8	42.2		28.3	34.7		70.0
74.0		47.6	42.9		43.4	41.7	31.8	43.0	40.8	31.3	39.8		26.5	32.5		74.0
78.0			40.0		39.2	38.8	28.5	38.6	38.0	28.2	37.4	36.8	25.0	30.5		78.0
82.0			37.5		35.2	36.3		35.9	35.5	25.4	34.9	34.5	23.6	28.7	32.9	82.0
86.0			35.3			34.0		32.4	33.2		32.6	32.1	22.3	27.1	31.4	86.0
90.0						32.0			31.1		29.5	30.2		25.6	29.3	90.0
94.0									29.3		26.3	28.3		24.2	27.5	94.0
98.0									27.7			26.7		22.5	25.8	98.0
102.0												25.2			24.3	102.0
106.0															22.9	106.0
110.0															21.6	110.0
Reeves	8			8			8			8			8			Reeves

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

66.0 m Boom Length

Boom length (m)	66.0																		Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
18.5	164.0																		18.5
20.0	164.0			148.3			143.7												20.0
22.0	161.6			142.6			139.8			111.8									22.0
24.0	153.4			136.5			135.1			109.0			95.8						24.0
26.0	141.6			130.5			130.1			105.8			93.7			82.6			26.0
28.0	131.3			124.4			125.1			102.5			91.4			81.0			28.0
30.0	122.1			118.6			119.8			99.0			88.8			79.3			30.0
34.0		127.1		107.0			107.9			91.8			83.4			75.3			34.0
38.0		111.0		91.6	110.0		95.3	110.1		84.8			77.9			71.0			38.0
42.0		98.3			97.3		81.6	97.5		78.4	96.5		72.4			66.6			42.0
46.0					87.1			87.3		72.7	86.3		67.3	85.4		62.4	84.3		46.0
50.0			72.6			71.5		78.9			77.9		62.7	77.0		58.3	76.0		50.0
54.0			66.1			65.0		71.9	65.0		70.9		58.9	70.0		54.6	69.0		54.0
58.0						59.6			59.6		65.0	58.5		64.1		51.4	63.1		58.0
62.0									54.8			53.8		59.0	52.8		58.0		62.0
66.0									50.8			49.8		54.7	48.8		53.6	47.7	66.0
70.0												46.2			45.3		49.8	44.1	70.0
74.0															42.2			41.1	74.0
78.0																		38.3	78.0
82.0																		36.0	82.0
Reeves	12			12			12			8			8			8			Reeves

Working Radius (m)

66.0 m Boom Length

Boom length (m)	66.0															Boom length (m)
Jib length (m)	60.0			66.0			72.0			78.0			84.0			Jib length (m)
Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
28.0	71.3															28.0
30.0	70.1			61.8												30.0
34.0	67.3			59.8			52.6			46.3						34.0
38.0	64.1			57.5			50.9			45.1			39.4			38.0
42.0	60.7			54.9			48.9			43.7			38.3			42.0
46.0	57.3			52.2			46.8			42.1			37.1			46.0
50.0	53.9	75.7		49.5			44.7			40.4			35.8			50.0
54.0	50.6	69.4		46.7	65.4		42.5	56.3		38.6			34.4			54.0
58.0	47.6	63.5		44.1	62.3		40.3	56.1		36.8	48.7		33.0			58.0
62.0	44.9	58.3		41.7	57.2		38.2	55.4		35.1	48.5		31.5	40.5		62.0
66.0	42.6	53.9		39.4	52.8		36.2	52.0		33.4	45.8		30.1	37.6		66.0
70.0		50.0	44.4	35.7	48.9		34.4	48.1		31.7	42.9		28.3	35.1		70.0
74.0		46.6	41.3		45.0	40.0	32.0	44.6		30.2	40.3		26.6	32.9		74.0
78.0		43.6	38.5		40.4	37.2	28.7	40.0	36.1	28.4	38.0		25.0	30.9		78.0
82.0			36.0		36.2	34.8		36.1	33.9	25.5	35.4	32.1	23.5	29.1		82.0
86.0			33.8			32.5		32.5	31.7		32.0	30.7	22.3	27.5	28.6	86.0
90.0						30.6		30.1	29.7		29.5	28.7	20.3	25.9	27.9	90.0
94.0						28.8			27.9		26.2	26.9		24.5	26.0	94.0
98.0									26.3			25.3		22.8	24.3	98.0
102.0												23.8			22.7	102.0
106.0												22.4			21.3	106.0
110.0															20.1	110.0
Reeves	8			8			8			8			8			Reeves

Working Radius (m)

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

LIFTING CAPACITIES
Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

72.0 m Boom Length

Boom length (m)	72.0																		Boom length (m)
Jib length (m)	24.0			30.0			36.0			42.0			48.0			54.0			Jib length (m)
Boom angle / Working Radius (m)	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
19.2	156.6																		19.2
20.0	153.9			134.6															20.0
22.0	145.9			129.6			115.3												22.0
24.0	134.8			124.3			111.5			99.0			88.3						24.0
26.0	124.8			118.9			107.6			96.2			86.4			76.3			26.0
28.0	115.7			113.6			103.4			93.2			84.2			74.8			28.0
30.0	107.3			108.5			99.3			90.0			81.8			73.2			30.0
34.0		125.0		97.1			91.3			83.6			76.9			69.5			34.0
38.0		109.1		84.8	109.1		84.0			77.4			71.8			65.6			38.0
42.0		96.5			96.6		77.7	95.8		71.6	94.8		66.8			61.5			42.0
46.0					86.5			85.7		66.6	84.7		62.2	83.8		57.6			46.0
50.0			70.3		78.2			77.4		62.7	76.5		58.0	75.5		53.9	74.5		50.0
54.0			63.9			63.8		70.5			69.5		54.5	68.6		50.5	67.6		54.0
58.0						58.4			57.5		63.7			62.8		47.5	61.8		58.0
62.0						53.7			52.9		58.7	51.8		57.8			56.8		62.0
66.0									48.9			47.9		53.5	46.9		52.4		66.0
70.0												44.4			43.4		48.7	42.3	70.0
74.0												41.5			40.4		45.4	39.3	74.0
78.0															37.8			36.7	78.0
82.0																		34.3	82.0
86.0																		32.3	86.0
Reeves	12			12			12			8			8			8			Reeves

72.0 m Boom Length

Boom length (m)	72.0															Boom length (m)
Jib length (m)	60.0			66.0			72.0			78.0			84.0			Jib length (m)
Boom angle / Working Radius (m)	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
28.0	66.1															28.0
30.0	64.9			57.4												30.0
34.0	62.2			55.5			48.8			43.4						34.0
38.0	59.2			53.2			47.1			42.2			36.5			38.0
42.0	56.1			50.8			45.3			40.8			35.4			42.0
46.0	52.9			48.3			43.3			39.2			34.3			46.0
50.0	49.8	70.2		45.7			41.2			37.6			33.0			50.0
54.0	46.8	68.1		43.1	60.8		39.2			35.9			31.7			54.0
58.0	44.0	62.2		40.7	60.1		37.2	52.2		34.2	45.7		30.3			58.0
62.0	41.5	57.2		38.5	56.0		35.2	51.5		32.6	45.5		29.0	38.8		62.0
66.0	39.4	52.8		36.4	51.6		33.4	50.5		31.0	45.0		27.6	38.4		66.0
70.0		48.9		34.6	47.8		31.7	47.0		29.4	43.8		26.3	35.8		70.0
74.0		45.6	39.5		44.4		30.1	43.6		28.0	41.1		25.1	33.7		74.0
78.0		42.6	36.9		41.4	35.2	28.8	40.7	34.0	26.7	38.7		24.0	31.6		78.0
82.0			34.5		37.5	33.2		37.3	32.4	25.6	36.5	30.1	22.9	29.7		82.0
86.0			32.3			31.1		33.6	30.2		33.0	29.2	22.0	28.0	26.5	86.0
90.0			30.4			29.1		30.2	28.3		29.8	27.2		26.4	26.1	90.0
94.0						27.4			26.5		26.9	25.3		24.8	24.3	94.0
98.0									24.9			23.6		23.1	22.6	98.0
102.0									23.4			22.1		21.5	21.1	102.0
106.0												20.8			19.7	106.0
110.0															18.5	110.0
114.0															17.4	114.0
Reeves	8			8			8			8			8			Reeves

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

Unit: ton

Luffing Jib Lifting Capacity

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

78.0 m Boom Length

Working Radius (m)	Boom length (m)	78.0																		Boom length (m)	Working Radius (m)
	Jib length (m)	30.0			36.0			42.0			48.0			54.0			60.0			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
20.6		120.6																		20.6	
22.0		117.5			105.2															22.0	
24.0		112.9			101.8			90.3												24.0	
26.0		104.9			98.2			87.7			78.3									26.0	
28.0		97.6			94.5			85.0			76.4			67.9			60.9			28.0	
30.0		91.0			90.8			82.1			74.2			66.4			59.8			30.0	
34.0		79.4			80.8			76.4			69.7			63.0			57.3			34.0	
38.0		69.2	107.1		71.4			70.7			65.1			59.4			54.5			38.0	
42.0			94.8		63.1	93.9		64.2			60.6			55.7			51.5			42.0	
46.0			84.1			84.0		57.3	83.0		56.5	83.4		52.1			48.6			46.0	
50.0			73.4			75.0		50.9	74.9		52.7	75.2		48.8	73.2		45.6			50.0	
54.0						66.3			67.1		47.8	68.0		45.7	67.4		42.9	64.1		54.0	
58.0				56.2		58.4			59.9			61.1		43.0	61.0		40.4	60.7		58.0	
62.0				51.7			50.8		53.5	49.7		55.1		39.4	55.1		38.1	55.0		62.0	
66.0							46.9			45.9		49.7	46.1		50.0		36.2	49.9		66.0	
70.0							43.6			42.5			42.7		45.4	41.6		45.5		70.0	
74.0										39.6			39.7		41.0	38.7		41.5	37.2	74.0	
78.0													37.1			36.0		37.8	35.2	78.0	
82.0													34.7			33.7			32.8	82.0	
86.0																31.6			30.7	86.0	
90.0																			28.9	90.0	
94.0																			27.2	94.0	
Reeves		12			8			8			8			8			8			Reeves	

78.0 m Boom Length

Working Radius (m)	Boom length (m)	78.0												Boom length (m)	Working Radius (m)
	Jib length (m)	66.0			72.0			78.0			84.0			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
30.0		53.0												30.0	
34.0		51.1			45.0			40.0						34.0	
38.0		49.0			43.4			38.9			33.6			38.0	
42.0		46.7			41.7			37.5			32.6			42.0	
46.0		44.3			39.8			36.1			31.4			46.0	
50.0		41.9			37.8			34.5			30.2			50.0	
54.0		39.5	56.2		35.9			32.9			28.9			54.0	
58.0		37.3	55.6		34.0	48.3		31.3			27.7			58.0	
62.0		35.2	53.8		32.2	47.7		29.7	42.2		26.4	35.9		62.0	
66.0		33.3	48.8		30.5	46.8		28.3	41.7		25.1	35.7		66.0	
70.0		31.6	44.3		28.9	43.9		26.8	41.0		23.9	35.2		70.0	
74.0			40.3		27.5	40.0		25.5	39.4		22.8	34.0		74.0	
78.0			36.8	33.0	26.4	36.5		24.3	36.0		21.7	31.7		78.0	
82.0			33.5	31.5		33.3	29.2	23.3	32.8		20.7	29.9		82.0	
86.0			30.9	29.5		30.4	28.5		30.0	25.3	19.8	28.4		86.0	
90.0				27.5		28.2	26.5		27.4	25.3		27.0	22.0	90.0	
94.0				25.7			24.7		25.0	23.5		24.7	22.0	94.0	
98.0				24.2			23.1		22.7	21.9		22.5	20.8	98.0	
102.0							21.7			20.4		20.5	19.4	102.0	
106.0							20.4			19.1			18.1	106.0	
110.0										18.0			16.9	110.0	
114.0													15.8	114.0	
Reeves		8			8			8			8			Reeves	

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

LIFTING CAPACITIES
Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 200.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

84.0 m Boom Length

Working Radius (m)	Boom length (m)	84.0																		Boom length (m)	Working Radius (m)
	Jib length (m)	30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		78.0		Jib length (m)	
	Boom angle	86°	76°	86°	76°	86°	76°	86°	76°	86°	76°	86°	76°	86°	76°	86°	76°	86°	76°	Boom angle	
	21.4	104.6																		21.4	
	22.0	101.9		96.1																22.0	
	24.0	94.3		93.1		83.3														24.0	
	26.0	87.4		87.8		81.0		71.5												26.0	
	28.0	81.3		81.8		78.6		69.8		62.4										28.0	
	30.0	75.8		76.4		76.0		67.9		61.0		54.5								30.0	
	34.0	66.0		67.0		67.2		63.8		58.0		52.2		45.8		41.4		36.5		34.0	
	38.0	57.5		59.1		59.6		59.6		54.6		49.6		43.8		39.9		35.4		38.0	
	42.0		83.4	52.2	83.7	53.0		53.2		51.3		46.9		41.7		38.3		34.1		42.0	
	46.0		72.4		73.1	47.2	73.0	47.6		47.5		44.2		39.6		36.5		32.8		46.0	
	50.0		63.1		64.2	41.9	64.4	42.7	64.2	42.8	63.7	41.6		37.4		34.7		31.3		50.0	
	54.0		54.7		56.7		57.1	38.3	57.1	38.6	56.7	38.5	56.2	35.4		33.0		29.9		54.0	
	58.0				50.0		50.9		51.0	34.7	50.7	34.9	50.4	33.4	49.3	31.2	44.4	28.4		58.0	
	62.0						45.4		45.8	31.1	45.6	31.6	45.3	30.4	44.2	29.6	43.6	27.0	38.5	62.0	
	66.0								41.1		41.1	28.5	40.9	27.5	40.9	27.1	39.2	25.6	38.0	66.0	
	70.0								36.8		37.1		37.0	24.8	38.4	24.5	37.2	24.0	34.7	70.0	
	74.0										33.4		33.5	22.2	36.0	22.2	35.2	21.7	33.1	74.0	
	78.0												30.4		33.5	19.9	33.0	19.6	31.6	78.0	
	82.0												27.4		29.6		30.6	17.6	29.8	82.0	
	86.0														25.6		27.1		27.8	86.0	
	90.0																23.7		24.8	90.0	
	94.0																20.0		21.8	94.0	
	98.0																		17.7	98.0	
	Reeves	8		8		8		8		8		8		8		8		8		Reeves	

Note : Designed and rated to comply with EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with / without auxiliary sheave.
Please refer rated chart in operator's cabin.
Ratings enclosed in gray color box in the table require duble-drum specifications.
Please refer Page 23 to 25 for Luffing Jib Supplemental Data.

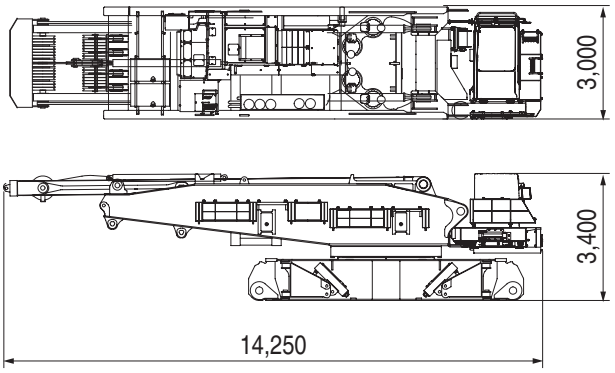
TRANSPORTATION PLAN

Base Machine

Base Machine (A)

With
- Upper/Lower connecting device
- Crane mast
- Mast raising cylinder
- Carbody
- Lower translifter

Without
- Upper translifter
- Aux. platform
- Boom foot pin removal cylinder
- Reeving winch

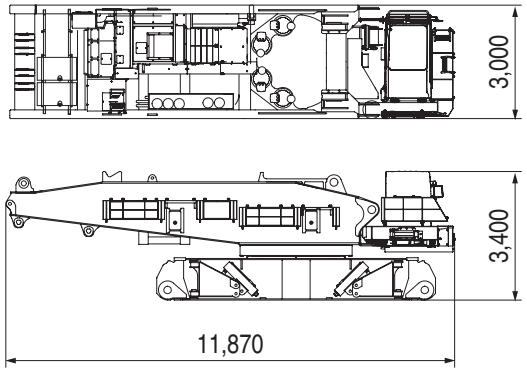


Weight	63,530 kg
Width	3.0 m
Height (Machine)	3.4 m
Length	14.25 m

Base Machine (B)

With
- Upper/Lower connecting device
- Carbody
- Lower translifter

Without
- Crane mast
- Mast raising cylinder
- Upper translifter
- Aux. platform
- Boom foot pin removal cylinder
- Reeving winch

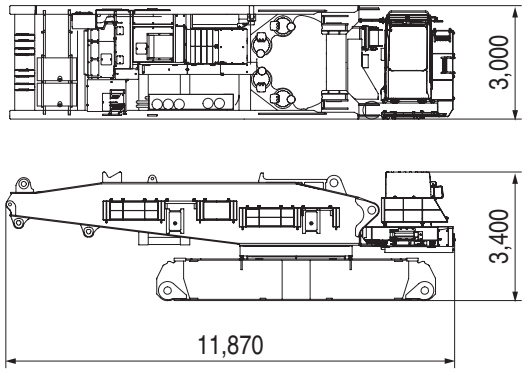


Weight	51,220 kg
Width	3.0 m
Height (Machine)	3.4 m
Length	11.87 m

Base Machine (C)

With
- Carbody

Without
- Upper/Lower connecting device
- Crane mast
- Mast raising cylinder
- Upper translifter
- Lower translifter
- Aux. platform
- Boom foot pin removal cylinder
- Reeving winch



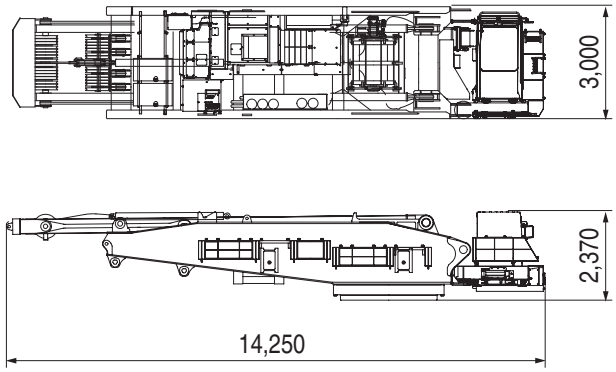
Weight	48,810 kg
Width	3.0 m
Height (Machine)	3.4 m
Length	11.87 m

Upper Structure

Upper Structure (A)

With
- Upper/Lower connecting device (Upper)
- Crane mast
- Mast raising cylinder

Without
- Upper translifter
- Lower translifter
- Aux. platform
- Boom foot pin removal cylinder
- Reeving winch
- Carbody

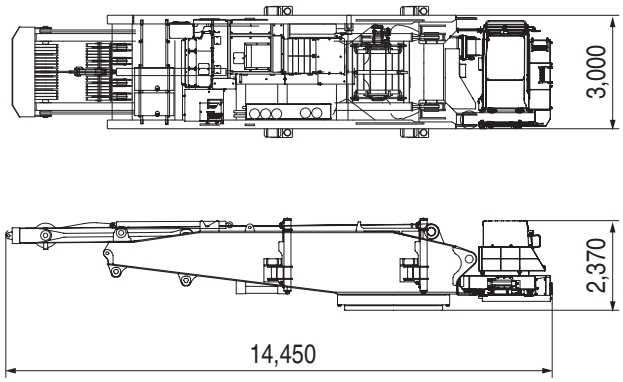


Weight	44,310 kg
Width	3.0 m
Height (Machine)	2.37 m
Length	14.25 m

Upper Structure (B)

With
- Upper/Lower connecting device (Upper)
- Crane mast
- Mast raising cylinder
- Upper translifter

Without
- Aux. platform
- Boom foot pin removal cylinder
- Reeving winch
- Carbody
- Lower translifter

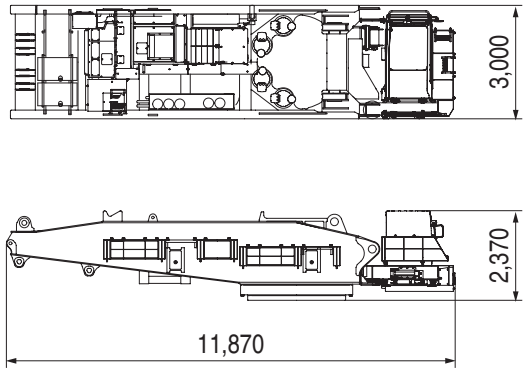


Weight	46,730 kg
Width	3.0 m
Height (Machine)	2.37 m
Length	14.45 m

Upper Structure (C)

With
- Upper/Lower connecting device (Upper)

Without
- Crane mast
- Mast raising cylinder
- Upper translifter
- Aux. platform
- Boom foot pin removal cylinder
- Reeving winch
- Carbody
- Lower translifter

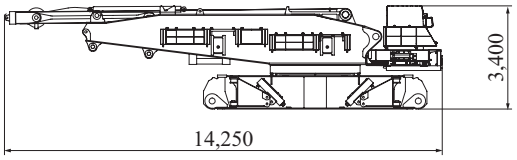


Weight	32,000 kg
Width	3.0 m
Height (Machine)	2.37 m
Length	11.87 m

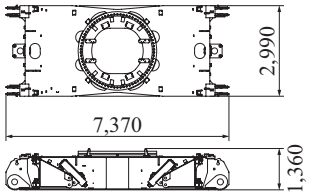
PARTS AND ATTACHMENTS

Dimensions: mm Weight: kg

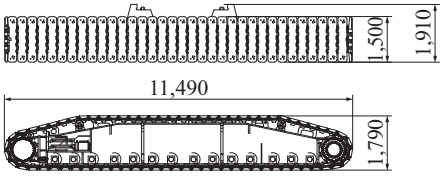
Base Machine (A)
With upper/lower connecting devices, crane mast, mast raising cylinder, Carbody, lower translifter.
Weight: 63,530 kg Width: 3,000 mm



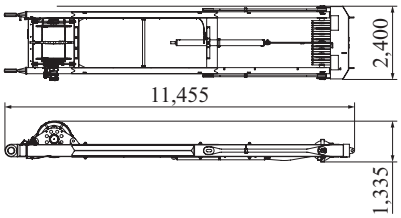
Carbody
With upper/lower connecting devices.
Weight: 22,610 kg Width: 2,990 mm



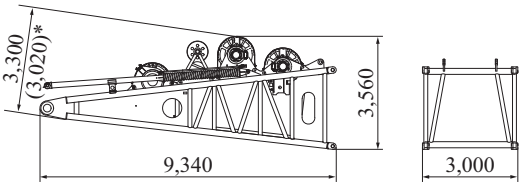
Crawler frame
Weight: 40,000 kg Width: 1,500 mm



Crane Mast
Weight: 12,310 kg

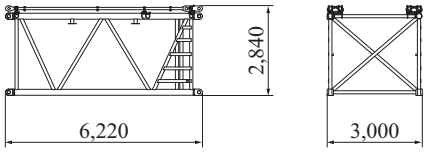


9 m Boom Base
With H1, H2 and W2 winches including ropes, guide sheave, and boom backstop
Weight: 28,440 kg

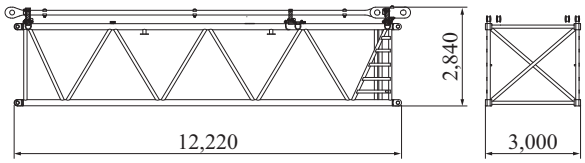


* When the H1 drum winch is stowed.

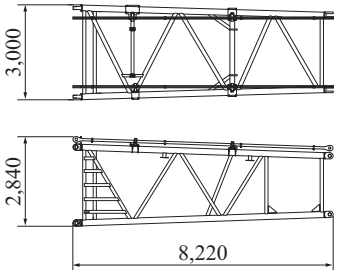
6 m Boom Insert
With 6 m guy line (link) x 4
Weight: 3,740 kg



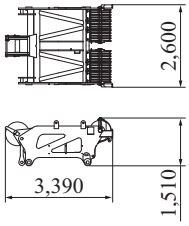
12 m Boom Insert
With 12 m guy line (link) x 4
Weight: 6,740 kg



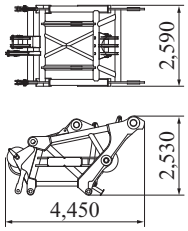
8 m Tapered Boom
With 8 m guy line (link) x 2
Weight: 5,210 kg



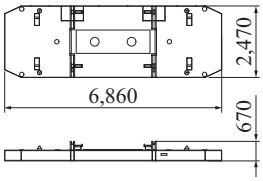
Heavy Boom Tip
Weight: 4,910 kg



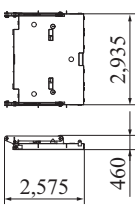
Luffing Boom Tip
Weight: 5,520 kg



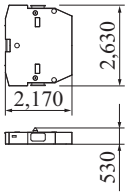
Base Counterweight
Weight: 20,000 kg



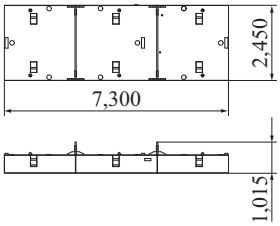
Base Carbody Weight (5 t) (with link)
Weight: 5,400 kg



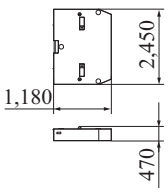
Counterweight (L/R)
Carbody Weight (F/R)
Weight: 10,000 kg



Base Pallet Weight (10t) (with link)
Weight: 9,300 kg

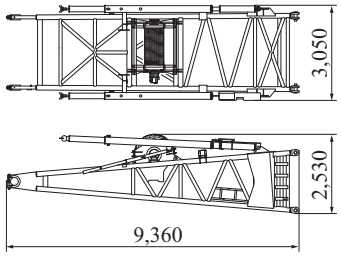


Pallet Weight
Weight: 10,000 kg

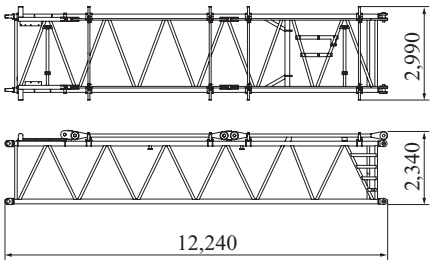


Dimensions: mm Weight: kg

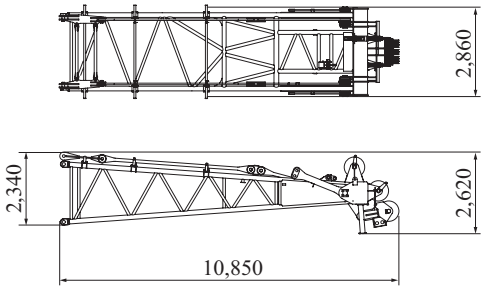
10 m Mast Base
Weight: 13,700 kg



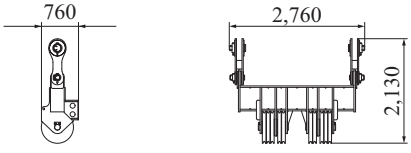
12 m Mast Insert
With guy line
Weight: 5,650 kg



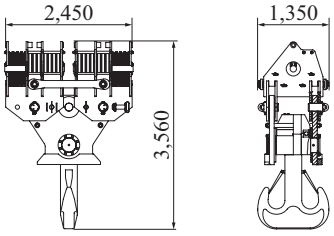
9 m Mast tip
With guy line
Weight: 10,080 kg



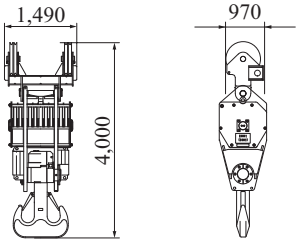
Hanger sheave
Weight: 2,010 kg



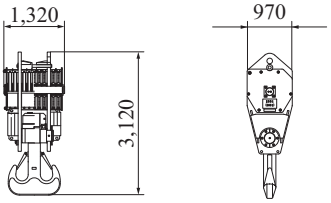
550 t Hook
Weight: 11,730 kg



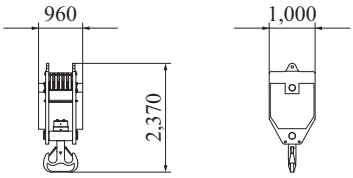
300 t Hook
Weight: 7,870 kg



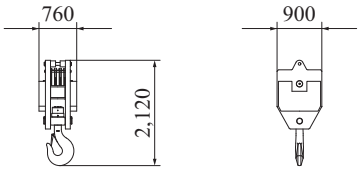
200 t Hook
Weight: 7,100 kg



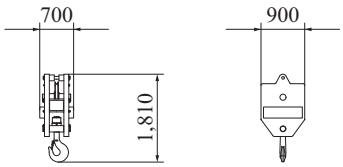
120 t Hook
Weight: 4,500 kg



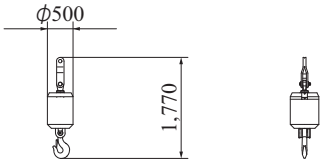
70 t Hook
Weight: 3,100 kg



40 t Hook
Weight: 2,000 kg



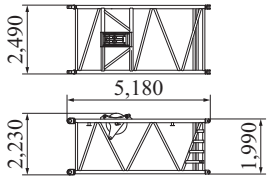
Ball hook
Weight: 830 kg



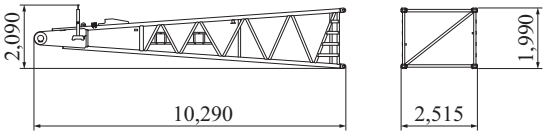
PARTS AND ATTACHMENTS

Dimensions: mm Weight: kg

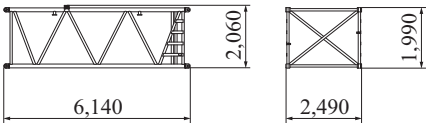
5 m boom insert for long boom
Weight: 1,790 kg



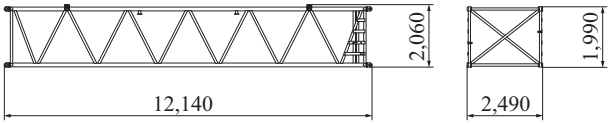
10 m Jib Base
Weight: 3,780 kg



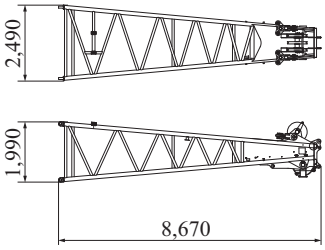
6 m Jib Insert
Weight: 1,470 kg



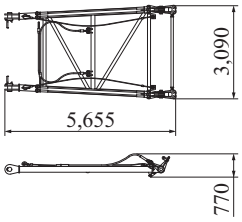
12 m Jib Insert
Weight: 2,680 kg



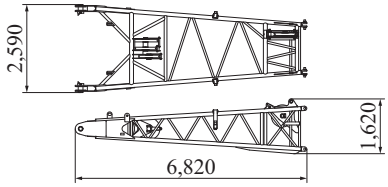
8 m Jib Tip
Weight: 3,690 kg



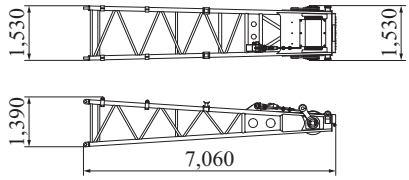
Strut (For Heavy Fixed Jib)
With guy cable
Weight: 1,510 kg



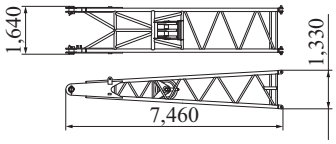
Rear strut base
Weight: 1,990 kg



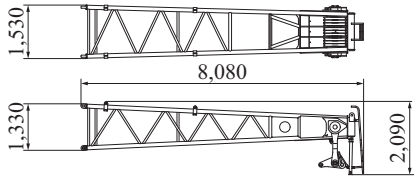
Rear strut tip
Weight: 2,410 kg



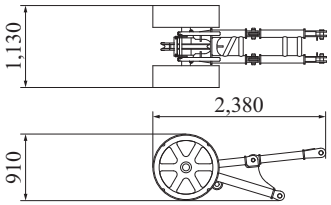
Front strut base
Weight: 1,840 kg



Front strut tip
Weight: 3,040 kg



Auxiliary sheave
Weight: 650 kg



Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

CE

KOBELCO CONSTRUCTION MACHINERY CO., LTD.

Inquiries To:

5-15, Kitashinagawa 5-chome, Shinagawa-ku,Tokyo 141-8626 JAPAN
Tel: +81-3-5789-2121 Fax: +81-3-5789-3372
URL: https://www.kobelcocm-global.com

Bulletin No. SL6000G-SPEC-EU1-2

2302S Printed in Japan