

SCX2800-2

HYDRAULIC CRAWLER CRANE
Luffing Jib Att.

Front-end Attachment

TOWER BOOM:

Lattice construction, round tubular main chords, alloy, hi-ten steel, with bracing of round steel tubing.

Tower boom connections In-line pin connections at 2.10m deep by 2.10m wide.

Basic tower Four-piece, 21.35m basic length; 7.62m heavy-duty base section, one 6.10m ultra heavy-duty tower extension, 7.30m heavy-duty top section and 0.32m head section; provided with a 2-guide sheave for luffing jib crane hoist cable and the other cable for liftwork thru tower head top sheave machinery on an upper part of 7.30m tapered extension boom, and two plate links pinned to a part of 7.62m base section to adjust a little bit tower boom pendant rope length according to tower length. A 0.32m head section pins luffing jib base section, and rear post.

Tower top sheave machinery Three head sheaves mounted on anti-friction bearings of conventional non-sealed grease type. An 80t lift is available as maximum.

Ultra heavy-duty tower boom extension Available in 3.05m, 6.10m and 12.20m with tower boom/rear post pendants.

Heavy-duty tower boom extension Available in 12.20m with tower boom/rear post pendants.

Tower boom length 21.35m to 60.95m; the configuration of a 60.95m tower boom as maximum as recommended is as under: (1) 7.62m heavy-duty tower base section, (2) 3.05m ultra heavy-duty boom extension × 1 pc., (3) 6.10m ultra heavy-duty boom extension × 1 pc., (4) 12.20m ultra heavy-duty boom extension × 2 pcs., (5) 12.20m heavy-duty boom extension × 1 pc., (6) 7.30m tower top section, and (7) 0.32m tower head section.

Tower boom luffing angle 88° thru 65° (according to tower boom/luffing jib combination).

Notes:

1. All of tower booms except 0.32m tower head section and 7.30m tapered extension can be converted to the general liftcrane boom attachment.
2. In converting tower boom attachment of 60.95m as shown above to the general liftcrane boom attachment of 91.45m as maximum, one set of 7.62m tapered crane top section, one set of 6.10m ultra heavy-duty boom extension and two sets of 12.20m heavy-duty boom extensions are additionally required.
3. All of ultra heavy- and heavy-duty boom extensions are designed with no intermediate diagonal bracing(s); the diagonal bracing is only designed at one of two picture frames. Accordingly, it is able to nest luffing jib extension into appropriate boom extension in length.

LUFFING JIB:

Lattice construction, round tubular main chords, alloy hi-ten steel, with bracing of round steel tubing.

Luffing jib connections In-line pin connections at 1.55m deep by 1.55m wide.

Basic luffing jib Three-pieces, 21.35m basic length; 9.15m bottom section, one 3.05m jib extension and 9.15m top section.

Luffing jib top head machinery Three head and one guide sheaves mounted on anti-friction bearings of conventional non-sealed greas type.

Luffing jib extensions Available in 3.05m, 6.10m and 9.15m lengths with pendants.

Heavy-duty luffing jib extention Available in 12.20m with pendants.

Mid-point suspension cable Required when luffing jib length exceeds 51.80m.

Maximum luffing jib length 60.95m; a 60.95m tower jib configuration is as under: (1) 9.15m base section, (2) 12.20m heavy-duty jib extension × 2 pcs., (3) 3.05m jib extension × 1 pc., (4) 6.10m jib extension × 1 pc., (5) 9.15m jib extension × 1 pc., and (6) 9.15m jib top section.

Luffing jib angle Available from 15° thru 73° to ground (according to tower boom/luffing jib combination possible).

FRONT AND REAR POSTS:

All-welded box construction; 8.9m long for front post pinned to 9.15m luffing jib bottom section, and 7.3m long for rear post pinned to 0.32m tower head section. Provided with a nylon sheave of three (3) for front post, and of four (4) for rear post for 7-part rope hoist reeving between posts. Rear post provides two backstops with power hydraulic cylinders to easily set rear post position, and front post equips a luffing jib crane hoist cable guide sheave.

HOOK BLOCKS:

To be selected from 80t, 35t and 13.5t hook blocks (as same as those of the HOOK BLOCKS mentioned in to "Front-end Attachment" of separate SCX2800-2 SPECIFICATIONS).

DRUM DATA:

See DRUM DATA mentioned into page 8 of separate SCX2800-2 SPECIFICATIONS.

HOIST REEVING:

	Luffing jib & tower boom top crane hoists					
No. of part line	6	5	4	3	2	1
Max. load (ton)	80.0	67.5	54.0	40.5	27.0	13.5

Note: The actual lifting capacity is, however, restricted by the luffing jib crane capacity and/or by the SWL of appropriate hook capacity.

CABLES:

See CABLES mentioned into page 8 of separate SCX2800-2 SPECIFICATIONS.

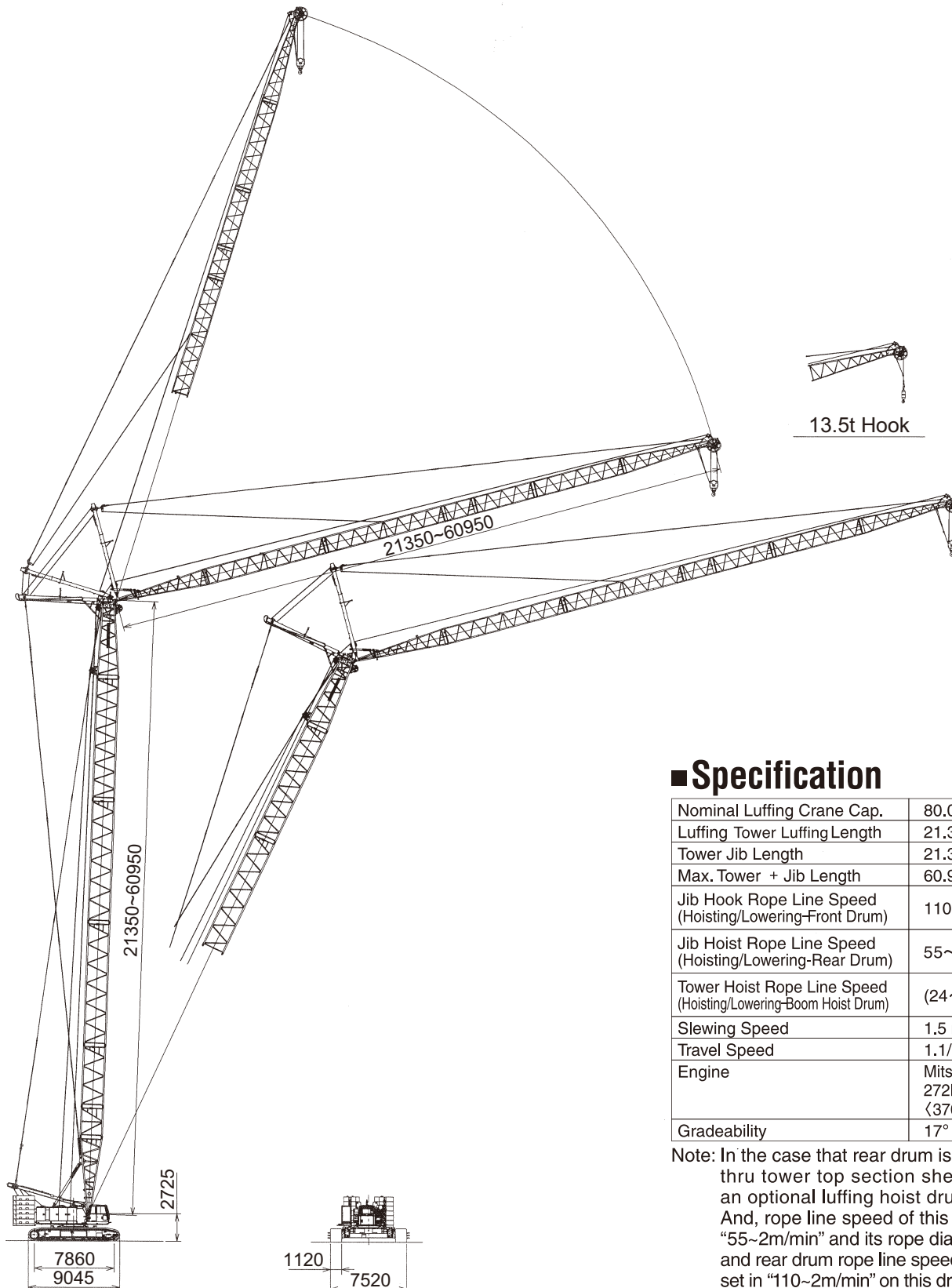
WORKING WEIGHT:

Approx. 252ton with 60.95m tower boom, 60.95m tower jib, 102.8ton counterweight, 18.0ton lower weight, 1,120mm wide track shoes and 80t hook block.

GROUND CONTACT PRESSURE:

140.3kPa <1.43kg/cm²> under a 252ton working weight mentioned above.

General Dimensions



■ Specification

Nominal Luffing Crane Cap.	80.0 t × 9.3 m
Luffing Tower Luffing Length	21.35 m ~ 60.95 m
Tower Jib Length	21.35 m ~ 60.95 m
Max. Tower + Jib Length	60.95 m + 60.95 m
Jib Hook Rope Line Speed (Hoisting/Lowering-Front Drum)	110 ~ 2.0 m/min
Jib Hoist Rope Line Speed (Hoisting/Lowering-Rear Drum)	55 ~ 2.0 m/min
Tower Hoist Rope Line Speed (Hoisting/Lowering-Boom Hoist Drum)	(24 ~ 1.0 m/min) × 2
Slewing Speed	1.5 min ⁻¹ (1.5 rpm)
Travel Speed	1.1/0.5 km/hr
Engine	Mitsubishi 6M70-TL 272kW/2,000min ⁻¹ (370 ps/2,000rpm)
Gradeability	17° (30%)

Note: In the case that rear drum is used for liftwork thru tower top section sheave machinery, an optional luffing hoist drum is necessary. And, rope line speed of this optional drum is "55~2m/min" and its rope diameter is "28mm", and rear drum rope line speed is automatically set in "110~2m/min" on this drum arrangement.

Luffing Jib Crane Capacities-80 metric tons

■w/21.35m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
9.0	80.0/9.4																			
10.0	79.8				72.3/10.3				63.0/11.2											
12.0	75.6	77.3/13.0			69.1				61.7				67.7/12.1				56.8/13.0			
14.0	71.3	75.2			66.4	67.7/14.2			59.3	59.1/15.3			65.2				55.8			
16.0	59.6	67.2			59.5	65.2			57.5	58.2			59.6	56.6/16.5			52.9	53.5/17.6		
18.0	51.1	58.9	57.5/18.6		51.0	58.8			50.8	56.3			51.0	54.2			50.1	53.5		
20.0	44.6	50.6	53.3		44.5	50.5	53.1/20.1		44.3	50.3	48.2/21.6		44.5	48.3			44.7	48.2		
22.0	39.5	44.2	47.4		39.4	44.1	47.2		39.2	43.9	47.1		39.3	42.7	43.9/23.2		39.5	42.7		
24.0	36.3/23.5	39.2	42.5	38.4/25.1	35.3	39.1	42.4		35.1	38.9	42.2		35.2	38.3	42.1		35.3	38.2	40.5/24.7	
26.0		36.5/25.3	38.4	36.8	31.9	35.0	38.3	35.0/27.0	31.7	34.8	38.2		31.7	34.6	38.1		31.9	34.6	38.1	
28.0			35.0	33.5	31.3/26.4	31.7	35.0	33.4	28.9	31.5	34.8	31.7/29.0	28.9	31.5	34.7		29.0	31.6	34.7	
30.0			34.8/28.2	30.8		31.2/28.3	32.1	30.7	27.2/29.4	28.7	31.9	30.5	26.4	28.6	31.9	29.3/30.9	26.5	28.8	31.8	
32.0				28.5/31.7			30.6/31.2	28.3		27.3/31.2	29.5	28.1	24.4	26.2	29.4	28.0	24.4	26.3	29.4	27.1/32.9
34.0								26.3			27.3	26.1	24.1/32.3	23.8	27.3	26.0	22.6	24.2	27.2	25.9
36.0								25.7/34.6			27.2/34.1	24.3		23.6/34.2	25.1	24.2	21.4/35.3	21.8	25.1	24.1
38.0												23.0/37.6			24.1/37.1	22.6		20.7/37.1	23.2	22.5
40.0																21.2			21.5	21.1
42.0																20.8/40.5				19.8
44.0																				19.0/43.5
46.0																				

■w/21.35m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
12.0	48.8/13.9																			
14.0	48.7				41.1/14.8				36.5/15.7											
16.0	47.0				40.4				36.3				30.8/16.6				27.5/17.2			
18.0	45.7	46.3/18.7			39.4	39.0/19.9			35.1				30.1				27.2			
20.0	43.1	44.2			38.3	39.0			34.1	34.0/21.0			29.2				26.4			
22.0	39.4	41.6			37.5	37.9			33.3	33.7			28.5	28.5/22.2			25.7	25.4/23.0		
24.0	35.2	37.7			35.5	37.0			32.7	32.6			27.9	28.0			25.1	25.0		
26.0	31.7	34.5	37.7/26.2		32.0	34.4	35.1/27.7		31.7	31.8			27.4	27.5			24.6	24.4		
28.0	28.8	31.5	34.6		29.0	31.4	34.6		28.8	30.4	30.9/29.3		27.1	27.0			24.1	23.8		
30.0	26.4	28.6	31.7		26.5	28.8	31.7		26.3	27.6	30.7		26.6	26.4	26.0/30.8		23.5	23.4	22.7/31.9	
32.0	24.2	26.2	29.2		24.4	26.3	29.3		24.2	25.9	29.1		24.4	25.6	25.7		23.3	22.9	22.6	
34.0	22.4	24.1	27.1	24.9/34.9	22.5	24.2	27.1		22.3	24.0	26.9		22.5	23.9	25.2		22.4	22.7	22.4	
36.0	20.8	22.3	25.0	24.0	20.9	22.4	25.1	23.3/36.8	20.7	22.2	24.9		20.9	22.4	24.8		20.7	21.6	22.0	
38.0	19.4	20.6	23.1	22.4	19.4	20.8	23.2	22.3	19.2	20.5	23.0	21.5/38.8	19.4	20.7	23.2		19.3	20.1	21.6	
40.0	19.2/38.2	18.6	21.4	21.0	18.2	19.3	21.5	20.9	17.9	19.1	21.2	20.7	18.1	19.3	21.5	20.3/40.7	18.0	18.7	21.4	
42.0			19.9	19.7	17.5/41.1	17.6	20.0	19.6	16.8	17.8	19.7	19.4	16.9	18.0	19.9	19.4	16.8	17.4	20.5	18.9/42.2
44.0			19.9/43.0	18.6		16.9/43.0	18.6	18.5	15.8	16.6	18.4	18.3	15.8	16.8	18.5	18.3	15.7	16.3	19.1	18.1
46.0				17.5			17.5/45.9	17.5	15.7/44.1	15.1/45.9	17.2	17.2	14.9	15.8	17.3	17.2	14.8	15.3	17.8	17.1
48.0				17.4/46.4				16.5			16.1	16.3	14.4/47.0	14.5	16.2	16.3	13.9	14.4	16.6	16.2
50.0								15.9/49.4			15.8/48.8	15.4		13.6/48.9	15.2	15.4	13.3/49.3	13.5	15.6	15.3
52.0												14.7			14.4/51.8	14.6		12.9/51.1	14.7	14.5
54.0												14.5/52.3				13.9			13.8	13.8
56.0																13.5/55.2				13.1
58.0																				12.6/57.5

■w/21.35m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	262/18.1				23.1/19.0				20.2/19.9							
20.0	25.4				22.7				20.1				17.7/20.8			
22.0	24.6				22.0				19.5				17.4			
24.0	24.0	24.0/24.2			21.3	21.0/25.3			18.9				16.8			
26.0	23.1	23.4			20.7	20.8			18.3	18.3/26.5			16.3	16.0/27.6		
28.0	22.6	22.5			20.0	20.2			17.8	17.9			15.8	15.9		
30.0	22.2	22.0			19.6	19.5			17.1	17.4			15.3	15.4		
32.0	21.9	21.6	21.3/33.5		19.3	19.1			16.1	16.7			14.4	15.0		
34.0	21.6	21.3	21.2		19.0	18.8	18.6/35.0		15.3	15.8			13.6	14.2		
36.0	20.5	21.1	20.7		18.8	18.5	18.4		14.5	14.9	16.1/36.5		12.9	13.5		
38.0	19.1	19.9	20.3		18.6	18.3	17.9		13.8	14.2	16.0		12.2	12.8	13.8	
40.0	17.7	18.5	20.0		17.7	18.1	17.6		13.1	13.5	15.2		11.6	12.2	13.2	
42.0	16.6	17.2	19.6		16.5	17.1	17.3		12.6	12.9	14.4		11.1	11.6	12.5	
44.0	15.5	16.1	18.2	17.6/44.2	15.4	16.0	17.1		12.0	12.3	13.7		10.6	11.0	11.9	
46.0	14.6	15.1	17.0	16.9	14.5	15.0	16.9	16.5/46.1	11.6	11.8	13.1		10.1	10.6	11.3	
48.0	13.7	14.2	15.9	15.9	13.6	14.1	15.8	15.9	11.2	11.4	12.5	13.1/48.1	9.7	10.1	10.8	
50.0	12.9	13.3	14.9	15.1	12.8	13.3	14.8	15.0	10.8	11.0	12.0	12.6	9.4	9.7	10.3	11.1/50.1
52.0	12.2	12.6	14.0	14.3	12.1	12.5	13.9	14.2	10.5	10.6	11.5	12.1	9.1	9.4	9.9	10.7
54.0	12.1/52.2	11.7	13.2	13.6	11.4	11.8	13.1	13.5	10.2	10.4	11.1	11.6	8.8	9.1	9.5	10.2
56.0		11.7/54.1	12.4	12.9	10.9/55.2	11.2	12.4	12.8	10.0	10.1	10.8	11.2	8.6	8.7	9.2	9.8
58.0			12.1/57.0	12.3		10.8/57.0	11.7	12.2	9.9	10.0	10.4	10.8	8.4	8.5	8.9	9.4
60.0				11.7			11.1/59.9	11.6	9.8/58.1	9.6	10.2	10.5	8.3	8.3	8.7	9.1
62.0				11.5/60.4				11.1			10.0	10.3	8.2/61.0	8.2	8.5	8.8
64.0								10.7/63.4			9.7/62.9	10.0		8.2/62.9	8.3	8.6
66.0												9.9			8.3/65.8	8.4
68.0												9.9/66.3				8.3
70.0																8.3/69.3

■w/24.40m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
9.0	79.6/9.5																			
10.0	79.5				71.6/10.4				62.4/11.3											
12.0	75.8	76.7/13.4			68.7				61.3				66.9/12.2				56.2/13.1			
14.0	72.7	75.4			66.0	67.1/14.6			58.9	58.4/15.7			64.5				55.0			
16.0	61.7	67.1			62.3	65.1			57.1	58.1			60.3	56.5/16.8			53.0			
18.0	52.7	59.7	54.4/19.4		53.3	59.7			53.1	56.1			53.3	53.8			50.2	53.3		
20.0	45.9	53.7	52.8		46.5	53.7	49.8/20.9		46.3	53.4			46.5	49.3			46.7	48.0		
22.0	40.5	47.0	46.8		41.1	46.9	46.7		41.0	46.7	45.5/22.4		41.1	44.1			41.3	43.5		
24.0	36.9/23.6	41.6	42.0		36.8	41.4	41.9		36.7	41.3	41.7		36.7	39.1	41.7		36.9	39.3	38.5/25.5	
26.0		37.8/25.7	38.0	35.4/26.4	33.2	37.1	37.9		33.1	36.9	37.7		33.2	35.1	37.7		33.3	35.3	37.7	
28.0			34.7	32.9	32.4/26.5	33.5	34.6	32.4/28.3	30.2	33.3	34.4		30.2	31.8	34.3		30.3	31.9	34.3	
30.0			33.1/29.0	30.2		32.6/28.6	31.7	30.1	28.3/29.5	30.3	31.6	29.4/30.3	27.6	29.0	31.5		27.7	29.1	31.5	
32.0				27.9			29.3	27.7		28.7/31.6	29.1	27.5	25.3	26.6	29.1	27.3/32.2	25.3	26.7	29.0	
34.0				26.7/33.0				25.7			27.0	25.5	24.8/32.4	24.6	26.9	25.4	23.4	24.6	26.9	25.1/34.2
36.0							23.9/35.9				26.1/34.9	23.7		24.1/34.5	25.1	23.6	22.2/35.4	22.8	25.0	23.6
38.0												22.2			23.5/37.9	22.1		21.3/37.5	23.4	22.0
40.0												21.4/38.9				20.7			21.9	20.6
42.0																19.5/41.8			21.4/40.8	19.4
44.0																				18.3
46.0																				17.8/44.8

■w/24.40m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
14.0	48.2				40.8/14.9				36.0/15.8											
16.0	46.6				40.2				35.9				30.5/16.7				27.3/17.4			
18.0	44.7	45.8/19.1			39.3				34.7				29.8				27.0			
20.0	42.9	44.5			38.2	38.6/20.3			33.7	33.8/21.4			29.0				26.2			
22.0	40.0	40.8			37.0	37.7			32.9	33.5			28.2	28.4/22.5			25.5	25.1/23.4		
24.0	36.8	38.6			35.4	36.7			32.3	32.7			27.6	28.1			24.8	24.9		
26.0	33.1	35.1	35.9/27.0		33.4	34.3			31.5	31.5			27.2	27.4			24.3	24.3		
28.0	30.1	31.8	34.2		30.3	32.0	33.5/28.5		29.9	30.6			26.8	26.8			23.9	23.7		
30.0	27.5	28.9	31.4		27.7	29.1	31.4		27.3	28.9	30.5/30.1		26.6	26.4	25.8/31.6		23.3	23.2		
32.0	25.3	26.6	28.9		25.5	26.7	29.0		25.2	26.5	28.7		25.4	25.9	25.7		23.1	22.7	22.5/32.7	
34.0	23.3	24.5	26.8		23.5	24.6	26.8		23.3	24.4	26.6		23.4	24.6	25.1		23.0	22.5	22.2	
36.0	21.6	22.6	24.9	23.3/36.2	21.8	22.9	24.9		21.6	22.7	24.7		21.7	22.8	24.7		21.6	22.4	21.7	
38.0	20.1	21.1	23.3	21.9	20.2	21.4	23.3	21.8/38.1	20.0	21.3	23.1		20.3	21.2	23.1		20.0	21.0	21.4	
40.0	19.8/38.3	19.6	21.8	20.5	18.9	19.7	21.8	20.5	18.6	19.7	21.6	20.1/40.1	18.9	19.8	21.6		18.7	19.5	21.1	
42.0		19.3/40.4	20.5	19.2	18.1/41.2	18.4	20.5	19.2	17.5	18.3	20.3	19.0	17.6	18.6	20.3	19.0	17.5	18.2	20.2	17.8/43.5
44.0			19.5/43.7	18.1		17.2/43.4	19.3	18.1	16.4	17.1	19.1	17.9	16.5	17.4	19.1	17.8	16.4	17.0	19.0	17.7
46.0				17.1			18.2	17.1	16.2/44.2	15.8	18.0	16.8	15.5	16.3	18.0	16.8	15.4	16.0	17.9	16.7
48.0				16.3/47.7			17.9/46.7	16.1		15.7/46.3	17.0	15.9	15.0/47.1	15.2	17.0	15.9	14.5	15.0	16.9	15.8
50.0							15.3			16.3/49.6	15.1		14.5/49.3	16.1	15.0	13.9/49.4	14.2	16.0	14.9	
52.0							15.0/50.6					14.3			15.3	14.2		13.4/51.5	15.2	14.1
54.0												13.7/53.6			15.1/52.6	13.5			14.4	13.4
56.0																12.8			14.1/54.8	12.7
58.0																12.7/56.5				12.1
60.0																				11.9/58.8

■w/24.40m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	26.0/18.2				22.9/19.1											
20.0	25.3				22.6				20.0				17.6/20.9			
22.0	24.5				21.8				19.4				17.2			
24.0	23.8	23.8/24.5			21.2	20.9/25.7			18.8				16.7			
26.0	22.9	23.3			20.6	20.8			18.2	18.2/26.8			16.2			
28.0	22.4	22.4			19.9	20.2			17.7	17.9			15.7	15.9		
30.0	22.0	21.9			19.5	19.4			17.1	17.4			15.1	15.4		
32.0	21.7	21.5			19.1	19.0			16.2	16.7			14.5	14.9		
34.0	21.5	21.1	21.2/34.2		18.8	18.6	18.4/35.8		15.3	15.8			13.7	14.2		
36.0	21.3	20.9	20.7		18.6	18.3	18.3		14.5	15.0	15.9/37.3		12.9	13.5		
38.0	19.8	20.8	20.3		18.5	18.1	18.0		13.8	14.2	15.8		12.2	12.9	13.8/38.8	
40.0	18.5	19.3	19.9		18.4	18.0	17.6		13.2	13.6	15.1		11.6	12.3	13.4	
42.0	17.3	18.0	19.7		17.2	17.9	17.3		12.6	12.9	14.3		11.1	11.7	12.7	
44.0	16.2	16.8	18.8	16.5/45.5	16.1	16.8	17.0		12.0	12.4	13.6		10.6	11.1	12.1	
46.0	15.2	15.8	17.7	16.5	15.1	15.7	16.9	15.6/47.4	11.6	11.9	13.0		10.1	10.6	11.5	
48.0	14.3	14.8	16.7	15.5	14.2	14.8	16.5	15.5	11.2	11.4	12.4	13.1/49.4	9.7	10.2	11.0	
50.0	13.5	14.0	15.8	14.7	13.4	13.9	15.7	14.6	10.8	11.0	11.9	13.0	9.4	9.8	10.5	11.1/51.3
52.0	12.7	13.2	15.0	13.9	12.6	13.1	14.9	13.8	10.5	10.7	11.5	12.4	9.1	9.4	10.0	11.0
54.0	12.5/52.3	12.4	14.1	13.2	11.9	12.4	14.1	13.1	10.2	10.4	11.1	11.9	8.8	9.0	9.6	10.5
56.0		12.3/54.4	13.3	12.5	11.5/55.3	11.7	13.3	12.5	10.0	10.1	10.7	11.5	8.6	8.7	9.3	10.0
58.0			12.7/57.8	11.9		11.1/57.4	12.5	11.8	9.9	10.0	10.4	11.1	8.4	8.5	9.0	9.6
60.0				11.4			11.9	11.3	9.9/58.2	9.8	10.3	10.7	8.3	8.3	8.7	9.3
62.0				10.8/61.7			11.7/60.7	10.7		9.8/60.3	10.2	10.4	8.2/61.2	8.2	8.5	9.0
64.0								10.3			10.1/63.7	10.1		8.2/63.3	8.3	8.7
66.0								10.1/64.7				9.6			8.3	8.5
68.0												9.2/67.6			8.2/66.6	8.4
70.0																8.3
72.0																8.2/70.6

■w/27.45m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
9.0	79.5/9.7																			
10.0	79.4				71.0/10.5				61.8/11.4											
12.0	75.4	75.9/13.8			68.3				60.8				66.1/12.3				55.0/13.2			
14.0	72.2	75.5			65.5	66.7/14.9			58.4				64.0				55.0			
16.0	62.3	67.1			63.0	65.0			56.6	57.8/16.1			60.1	55.7/17.2			53.1			
18.0	53.1	59.7			53.7	59.3			54.3	55.9			54.8	53.7			50.3	52.4/18.3		
20.0	46.2	53.7	50.9/20.2		46.8	53.3	46.7/21.7		47.2	52.4			47.7	49.5			47.7	47.9		
22.0	40.8	48.5	46.3		41.4	48.4	45.9		41.8	47.5	42.8/23.2		42.2	45.3			42.5	43.9		
24.0	36.9/23.7	43.5	41.6		37.0	43.3	41.4		37.4	43.0	41.2		37.8	40.5	39.6/24.7		38.0	40.3		
26.0		38.3	37.6	32.9/27.6	33.4	38.7	37.5		33.8	38.5	37.3		34.1	36.3	37.3		34.2	36.4	36.6/26.3	
28.0		38.0/26.1	34.3	32.3	32.4/26.6	34.9	34.2	30.0/29.6	30.8	34.7	34.0		31.0	32.8	33.9		31.1	32.9	33.9	
30.0			31.8/29.8	29.6		33.3/29.0	31.4	29.4	28.7/29.6	31.6	31.2	27.3/31.6	28.1	29.9	31.1		28.3	30.0	31.1	
32.0				27.3			28.9	27.2		28.9	28.8	26.9	25.8	27.4	28.7	25.4/33.5	25.9	27.5	28.7	
34.0				25.3			28.1/32.8	25.2			26.7	25.0	25.2/32.5	25.3	26.6	24.9	23.9	25.3	26.6	23.5/35.5
36.0				25.1/34.3				23.4		25.1/35.7	23.2		24.3/34.9	24.8	23.1	22.6/35.5	23.4	24.7	23.1	
38.0								22.5/37.2				21.7			23.1	21.6		21.6/37.8	23.1	21.5
40.0												20.3			22.7/38.6	20.2			21.6	20.2
42.0												20.2/40.2				19.0			20.6/41.6	18.9
44.0																18.4/43.1				17.8
46.0																				16.8

■w/27.45m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
14.0	47.7/14.1				40.3/15.0				35.6/15.9											
16.0	46.7				40.2				35.6				30.1/16.8				27.0/17.5			
18.0	44.8	45.2/19.5			39.1				34.4				29.6				26.8			
20.0	42.9	44.8			38.1	38.3/20.6			33.4	33.6/21.8			28.7				25.9			
22.0	40.1	40.6			37.0	37.4			32.6	33.5			28.0	28.2/22.9			25.2	24.8/23.8		
24.0	37.2	37.9			35.4	36.5			32.0	32.5			27.5	27.9			24.6	24.8		
26.0	34.1	36.1	34.0/27.8		33.8	34.2			31.0	31.2			27.0	27.2			24.1	24.1		
28.0	31.0	32.8	33.8		31.2	32.2	32.0/29.3		29.8	30.2			26.5	26.6			23.7	23.5		
30.0	28.3	29.8	31.0		28.5	30.0	31.0		28.0	29.0	29.8/30.8		26.3	26.2			23.0	23.1		
32.0	25.8	27.3	28.6		26.2	27.5	28.6		25.7	27.3	28.4		25.6	25.7	25.5/32.4		22.8	22.7	22.2/33.5	
34.0	23.8	25.2	26.4		24.2	25.3	26.5		23.7	25.1	26.3		24.0	24.9	25.1		22.8	22.3	22.1	
36.0	22.1	23.3	24.6	21.9/37.4	22.2	23.4	24.6		22.0	23.2	24.4		22.2	23.5	24.1		22.1	22.2	21.7	
38.0	20.6	21.7	23.0	21.4	20.7	21.7	23.0	20.5/39.4	20.4	21.5	22.8		20.8	21.7	22.8		20.5	21.6	21.3	
40.0	20.3/38.4	20.1	21.5	20.0	19.3	20.3	21.5	20.0	19.1	20.0	21.3	18.9/41.4	19.2	20.2	21.3		19.1	20.1	21.0	
42.0		19.5/40.8	20.2	18.8	18.4/41.4	18.9	20.2	18.8	17.9	18.7	20.0	18.5	18.0	18.9	20.0		17.9	18.8	19.9	
44.0			19.1	17.7		17.6/43.7	19.0	17.7	16.8	17.5	18.8	17.4	16.9	17.7	18.8	17.4	16.8	17.6	18.7	16.7/44.8
46.0			18.8/44.5	16.7			18.0	16.7	16.6/44.3	16.3	17.8	16.4	15.9	16.6	17.8	16.4	15.8	16.5	17.6	16.3
48.0				15.8			17.3/47.5	15.7		16.0/46.7	16.8	15.5	15.3/47.2	15.6	16.8	15.5	14.8	15.5	16.7	15.4
50.0				15.4/49.0				14.9			15.9	14.7		14.6/49.6	15.9	14.7	14.2/49.5	14.6	15.8	14.5
52.0								14.2/51.9			15.8/50.4	13.9			15.1	13.9		13.7/51.9	15.0	13.8
54.0												13.2			14.6/53.4	13.2			14.2	13.1
56.0												12.9/54.9				12.5			13.6/55.6	12.4
58.0																12.0/57.8				11.8
60.0																				11.2
62.0																				11.2/60.1

■w/27.45m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	25.8/18.4				22.7/19.2											
20.0	25.1				22.4				19.9/20.1				17.4/21.0			
22.0	24.3				21.7				19.3				17.1			
24.0	23.6	23.2/24.9			21.0				18.6				16.6			
26.0	22.8	23.2			20.5	20.7/26.1			18.1	18.0/27.2			16.1			
28.0	22.2	22.2			19.7	20.1			17.6	17.8			15.6	15.7/28.3		
30.0	21.8	21.7			19.3	19.3			17.0	17.3			15.1	15.3		
32.0	21.5	21.3			19.0	18.9			16.2	16.6			14.5	14.9		
34.0	21.3	21.0	21.0/35.0		18.7	18.5			15.3	15.9			13.7	14.3		
36.0	21.1	20.8	20.8		18.5	18.2	18.3/36.6		14.5	15.1			12.9	13.5		
38.0	20.3	20.6	20.3		18.3	18.0	18.0		13.8	14.3	15.8/38.1		12.3	12.9	13.7/39.6	
40.0	18.9	19.9	19.9		18.3	17.9	17.6		13.2	13.6	15.4		11.7	12.3	13.6	
42.0	17.7	18.6	19.6		17.6	17.7	17.2		12.6	13.0	14.6		11.1	11.7	13.0	
44.0	16.6	17.3	18.5		16.5	17.3	17.0		12.1	12.4	13.9		10.6	11.2	12.3	
46.0	15.6	16.3	17.4	15.5/46.8	15.5	16.2	16.8		11.6	11.9	13.2		10.2	10.7	11.7	
48.0	14.6	15.3	16.5	15.1	14.6	15.2	16.3	14.6/48.7	11.2	11.5	12.6		9.7	10.2	11.1	
50.0	13.8	14.4	15.6	14.3	13.7	14.3	15.5	14.2	10.8	11.0	12.1	13.1/50.7	9.4	9.8	10.6	
52.0	13.0	13.6	14.8	13.6	13.0	13.5	14.7	13.5	10.5	10.7	11.6	12.8	9.1	9.4	10.2	11.0/52.6
54.0	12.8/52.4	12.7	14.0	12.8	12.3	12.7	13.9	12.8	10.2	10.4	11.2	12.2	8.8	9.0	9.8	10.8
56.0		12.4/54.8	13.3	12.2	11.8/55.4	12.1	13.3	12.1	10.0	10.1	10.8	11.7	8.5	8.7	9.4	10.3
58.0			12.7	11.6		11.4/57.8	12.6	11.5	9.9	10.0	10.5	11.3	8.4	8.5	9.1	9.9
60.0			12.5/58.6	11.0			12.0	11.0	9.8/58.3	9.8	10.2	10.8	8.3	8.3	8.8	9.5
62.0				10.5			11.6/61.5	10.4		9.7/60.7	10.0	10.2	8.2/61.3	8.2	8.6	9.2
64.0				10.3/63.0				10.0			9.9	9.8		8.1/63.6	8.4	8.9
66.0								9.5			9.9/64.4	9.3			8.3	8.6
68.0												8.9			8.2/67.4	8.4
70.0												8.7/68.9				8.3
72.0																8.0/71.8

■w/30.50m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
9.0	79.4/9.8																			
10.0	79.3				70.1/10.7				61.1/11.5											
12.0	75.2				67.8				60.4				65.2/12.4				54.1/13.3			
14.0	72.1	74.8/14.2			65.1	65.9/15.3			57.9				62.5				54.1			
16.0	62.9	66.4			63.1	64.9			56.2	57.4/16.4			59.1	53.4/17.6			52.5			
18.0	53.5	59.0			54.2	58.0			54.7	55.7			55.2	52.4			49.7	50.2/18.7		
20.0	46.5	53.1	47.5/21.0		47.1	52.2			47.6	51.3			48.0	47.8			47.1	47.6		
22.0	41.0	48.3	45.4		41.6	47.4	43.6/22.5		42.0	46.6			42.4	43.8			42.8	43.1		
24.0	36.9/23.8	43.3	41.0		37.2	43.2	40.8		37.6	42.7	40.1		38.0	41.2	37.3/25.5		38.3	39.7		
26.0		39.2	37.2		33.6	39.2	37.0		34.0	39.0	36.7		34.3	36.9	36.5		34.5	37.1	34.5/27.1	
28.0		38.3/26.4	33.9	30.4/28.9	32.4/26.7	35.6	33.7		31.0	35.4	33.5		31.2	33.3	33.5		31.3	33.5	33.4	
30.0			31.1	28.9		33.3/29.4	31.0	27.6/30.9	28.7/29.7	32.1	30.8		28.2	30.3	30.7		28.4	30.4	30.7	
32.0			30.3/30.6	26.7			28.6	26.5		29.4	28.4	25.4/32.9	26.0	27.7	28.3		26.1	27.8	28.3	
34.0				24.7			27.0/33.5	24.6		29.1/32.3	26.3	24.3	25.3/32.6	25.6	26.2	23.6/34.8	24.1	25.6	26.2	
36.0				23.2/35.6				22.9			24.5	22.6		23.6/35.3	24.4	22.5	22.7/35.6	23.7	24.4	21.9/36.8
38.0							21.4				24.1/36.5	21.1			22.8	21.0		21.7	22.8	21.0
40.0							21.0/38.5					19.8			21.8/39.4	19.7		21.5/38.2	21.3	19.7
42.0												18.9/41.4				18.5			20.0	18.4
44.0																17.4			19.8/42.4	17.4
46.0																17.2/44.4				16.4
48.0																				15.7/47.3

■w/30.50m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
14.0	472/142				402/15.1															
16.0	46.4				40.0				35.2				29.8/16.9				26.7/17.6			
18.0	44.5	44.6/19.9			38.7				34.3				29.3				26.5			
20.0	42.6	44.4			37.7	37.8/21.0			33.4				28.6				25.7			
22.0	40.2	40.6			36.9	37.2			32.5	33.3/22.1			28.0	28.0/23.3			25.0			
24.0	37.1	37.7			35.4	36.2			31.5	32.3			27.5	27.8			24.4	24.6/24.1		
26.0	34.2	35.1			33.8	34.0			30.3	30.9			27.0	27.0			23.9	24.0		
28.0	31.2	33.3	32.1/28.6		31.5	32.0			29.1	29.4			26.4	26.4			23.5	23.4		
30.0	28.5	30.3	30.5		28.7	30.1	30.3/30.1		28.1	28.3	28.3/31.6		25.8	26.0			22.8	22.9		
32.0	25.9	27.7	28.2		26.4	27.9	28.2		25.9	27.3	27.8		25.0	25.5	25.2/33.2		22.6	22.5		
34.0	24.0	25.5	26.1		24.4	25.7	26.1		23.9	25.5	25.9		24.2	24.4	25.0		22.5	22.0	22.0/34.3	
36.0	22.2	23.6	24.3		22.3	23.7	24.3		22.1	23.5	24.1		22.4	23.7	24.1		21.9	21.9	21.6	
38.0	20.7	21.9	22.7	20.4/38.7	20.8	22.0	22.6		20.6	21.8	22.4		20.8	22.0	22.5		20.7	21.4	21.2	
40.0	20.3/38.5	20.4	21.2	19.5	19.4	20.5	21.2	19.0/40.7	19.2	20.3	21.0		19.4	20.5	21.0		19.3	20.4	20.9	
42.0		19.2/41.2	19.9	18.3	18.5/41.5	19.2	19.9	18.3	18.0	18.9	19.7	17.6/42.7	18.1	19.1	19.7		18.0	19.0	19.6	
44.0			18.8	17.2		17.6	18.7	17.2	16.9	17.7	18.5	17.0	17.0	17.9	18.6	16.7/44.6	16.9	17.8	18.4	
46.0			18.1/45.3	16.2		17.5/44.1	17.7	16.2	16.6/44.4	16.7	17.5	16.0	16.0	16.8	17.5	16.0	15.9	16.7	17.4	15.6/46.1
48.0				15.4			16.7	15.3		16.1/47.1	16.5	15.1	15.3/47.3	15.8	16.5	15.1	14.9	15.7	16.4	14.9
50.0				14.6			16.6/48.3	14.5			15.7	14.3		14.6	15.6	14.2	14.2/49.6	14.7	15.5	14.1
52.0				14.4/50.3				13.7			15.2/51.2	13.5			14.8	13.5		13.7	14.7	13.4
54.0								13.3/53.2				12.8			14.1	12.8		13.6/52.2	14.0	12.7
56.0												12.2			14.0/54.2	12.2			13.3	12.0
58.0												12.1/56.2				11.6			13.1/56.4	11.4
60.0																11.2/59.1				10.9
62.0																				10.5/61.4

■w/30.50m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	25.6/18.5				22.5/19.4											
20.0	24.9				22.3				19.7/20.2				17.3/21.1			
22.0	24.1				21.5				19.1				17.0			
24.0	23.5	23.0/25.3			20.9				18.5				16.5			
26.0	22.6	23.0			20.3	20.5/26.4			18.0	17.9/27.6			15.9			
28.0	22.1	22.1			19.6	20.1			17.5	17.8			15.5	15.6/28.7		
30.0	21.7	21.6			19.1	19.2			16.9	17.2			15.0	15.3		
32.0	21.3	21.2			18.8	18.7			16.2	16.5			14.5	14.8		
34.0	21.1	20.8	20.8/35.8		18.5	18.4			15.3	16.0			13.7	14.2		
36.0	20.9	20.6	20.7		18.3	18.1	18.1/37.4		14.5	15.2			13.0	13.5		
38.0	20.5	20.4	20.3		18.2	17.9	18.0		13.8	14.4	15.7/38.9		12.3	12.8		
40.0	19.1	20.2	19.9		18.1	17.7	17.6		13.2	13.7	15.4		11.7	12.2	13.5/40.4	
42.0	17.8	18.8	19.1		17.7	17.6	17.2		12.6	13.1	14.9		11.1	11.7	13.2	
44.0	16.7	17.6	18.2		16.6	17.5	16.9		12.1	12.5	14.1		10.6	11.2	12.6	
46.0	15.7	16.5	17.2		15.6	16.4	16.7		11.6	12.0	13.4		10.2	10.7	11.9	
48.0	14.7	15.5	16.2	14.5	14.7	15.4	16.1		11.2	11.5	12.8		9.7	10.3	11.3	
50.0	13.9	14.5	15.3	13.9	13.8	14.5	15.3	13.7	10.8	11.1	12.3		9.4	9.8	10.8	
52.0	13.1	13.7	14.5	13.1	13.0	13.6	14.5	13.1	10.5	10.7	11.8	12.7	9.1	9.4	10.3	11.0/53.9
54.0	12.9/52.5	13.0	13.8	12.5	12.3	12.9	13.7	12.4	10.2	10.4	11.3	12.2	8.8	9.0	9.9	10.9
56.0		11.8/55.2	13.1	11.8	11.8/55.5	12.2	13.0	11.7	10.0	10.1	10.9	11.5	8.5	8.7	9.5	10.6
58.0			12.5	11.2		11.4	12.4	11.1	9.9	10.0	10.6	10.9	8.4	8.5	9.2	10.1
60.0			12.1/59.3	10.7		11.4/58.1	11.8	10.6	9.8/58.4	9.9	10.3	10.4	8.2	8.3	8.9	9.7
62.0				10.2			11.2	10.1		9.8/61.1	10.1	9.9	8.1/61.4	8.2	8.6	9.4
64.0				9.7			11.2/62.3	9.6			9.9	9.4		8.1	8.4	9.0
66.0				9.6/64.3				9.2			9.9/65.2	9.0			8.4	8.8
68.0								8.9/67.2				8.6			8.2	8.4
70.0												8.2			8.2/68.2	8.0
72.0												8.1/70.2				7.7
74.0																7.4/73.1

■w/33.50m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
9.0	79.3/9.9																			
10.0	79.1				69.4/10.8				60.3/11.7											
12.0	74.8				67.3				59.9				63.5/12.5				53.2/13.4			
14.0	71.7	71.7/14.5			64.6	65.0/15.7			57.5				61.2				53.2			
16.0	63.4	64.9			62.6	63.8			55.7	56.8/16.8			58.3	50.6/17.9			51.9			
18.0	53.9	57.8			54.6	56.8			54.4	55.4			54.5	50.4			49.2	47.4/19.1		
20.0	46.9	52.0	44.5/21.8		47.4	51.1			47.9	50.2			48.4	47.6			46.5	47.4		
22.0	41.3	47.3	44.1		41.9	46.5	40.9/23.3		42.3	45.7			42.7	43.9			43.0	43.1		
24.0	36.9/23.9	43.1	40.4		37.4	42.6	39.7		37.8	41.8	37.8/24.8		38.2	40.6			38.5	39.8		
26.0		39.0	36.7		33.7	38.9	36.5		34.2	38.6	35.9		34.5	37.9	35.1/26.3		34.8	37.0	32.6/27.9	
28.0		37.6/26.8	33.4		32.4/26.8	35.5	33.3		31.1	35.4	33.1		31.5	34.2	32.9		31.5	34.3	32.5	
30.0			30.7	28.1/30.2		32.9/29.8	30.5		28.7/29.8	32.4	30.3		28.7	31.0	30.3		28.8	31.2	30.2	
32.0			28.9/31.4	26.0			28.2	25.6/32.2		29.9	28.0		26.4	28.4	27.9		26.5	28.5	27.9	
34.0				24.2			26.1	23.9		29.2/32.7	25.9	23.6/34.1	25.5/32.7	26.2	25.9		24.5	26.2	25.8	
36.0				22.5			25.8/34.3	22.3			24.1	22.0		24.2/35.6	24.1	21.9/36.1	22.9/35.7	24.3	24.0	
38.0				21.7/36.8				20.8			23.0/37.3	20.6			22.5	20.5		22.3	22.4	20.3/38.1
40.0								19.6/39.8				19.3			21.1	19.2		21.8/38.6	21.0	19.1
42.0												18.1			20.9/40.2	18.0			19.7	17.9
44.0												17.7/42.7				16.9			19.0/43.2	16.9
46.0																16.0/45.7				15.9
48.0																				15.1
50.0																				14.8/48.6

■w/33.50m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
14.0	46.7/14.3				40.2/15.2															
16.0	45.9				39.6				34.9/16.1				29.4/17.0				26.4/17.7			
18.0	44.3				38.3				34.3				29.3				26.3			
20.0	42.3	43.3/20.2			37.3	37.3/21.4			33.3				28.6				25.5			
22.0	40.2	40.6			36.5	37.0			32.5	32.9/22.5			27.9	27.7/23.7			24.8			
24.0	37.2	37.8			35.5	36.0			31.5	32.1			27.3	27.6			24.2	24.3/24.5		
26.0	34.3	35.5			33.8	33.9			30.4	30.9			26.8	26.9			23.6	23.8		
28.0	31.7	33.4	30.4/29.4		32.0	32.0			29.2	29.6			26.4	26.2			23.2	23.2		
30.0	28.8	31.1	29.8		29.2	30.1	28.6/30.9		27.8	28.4			25.5	25.7			22.7	22.7		
32.0	26.4	28.4	27.8		26.9	28.2	27.6		26.3	27.2	26.8/32.4		24.5	25.4	24.9/33.9		22.3	22.3		
34.0	24.4	26.1	25.7		24.5	26.3	25.7		24.3	25.7	25.4		23.7	24.3	24.9		22.0	21.8	21.8/35.1	
36.0	22.6	24.1	23.9		22.7	24.3	23.9		22.5	24.1	23.7		22.8	23.4	23.7		21.4	21.4	21.6	
38.0	21.1	22.4	22.3		21.2	22.5	22.3		20.9	22.3	22.1		21.2	22.5	22.1		20.9	20.8	21.1	
40.0	20.6/38.6	20.9	20.9	19.0	19.8	21.0	20.9		19.5	20.7	20.7		19.7	21.0	20.7		19.6	20.4	20.6	
42.0		19.7/41.5	19.6	17.8	18.7/41.6	19.6	19.6	17.8	18.3	19.4	19.4	16.5/43.9	18.5	19.6	19.4		18.3	19.4	19.3	
44.0			18.5	16.7		18.3	18.5	16.7	17.2	18.1	18.3	16.5	17.3	18.3	18.3	15.5/45.9	17.2	18.2	18.2	
46.0			17.4	15.8		18.0/44.5	17.4	15.7	16.9/44.5	17.0	17.2	15.5	16.3	17.2	17.2	15.5	16.1	17.0	17.1	14.6/47.4
48.0			17.4/46.1	14.9			16.5	14.9		16.0/47.4	16.3	14.6	15.5/47.5	16.1	16.3	14.6	15.2	16.0	16.2	14.5
50.0				14.1			16.0/49.1	14.1			15.4	13.8		15.1	15.4	13.8	14.4/49.7	15.1	15.3	13.7
52.0				13.6/51.6				13.3			14.6	13.1		14.9/50.4	14.6	13.1		14.1	14.5	13.0
54.0								12.7				12.4			13.8	12.4		13.8/52.6	13.7	12.3
56.0								12.5/54.5				11.8			13.5/54.9	11.8			13.1	11.7
58.0												11.4/57.5				11.2			12.7/57.2	11.1
60.0																10.7				10.5
62.0																10.5/60.4				10.0
64.0																				9.9/62.6

■ w/33.50m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	25.0/18.6				22.3/19.5											
20.0	24.7				22.1				19.5/20.3				17.2/21.2			
22.0	24.0				21.4				19.0				16.9			
24.0	23.3	22.9/25.7			20.7				18.4				16.3			
26.0	22.5	22.9			20.2	20.3/26.8			17.8	17.7/27.9			15.8			
28.0	21.9	22.0			19.5	20.0			17.4	17.6			15.4	15.4/29.1		
30.0	21.5	21.4			19.0	19.2			16.7	17.2			15.0	15.2		
32.0	21.1	21.0			18.6	18.6			16.3	16.6			14.4	14.8		
34.0	20.9	20.7			18.4	18.3			15.4	16.0			13.7	14.1		
36.0	20.7	20.4	20.6/36.6		18.1	18.0			14.6	15.3			13.0	13.6		
38.0	20.5	20.2	20.3		18.0	17.7	17.9/38.1		13.8	14.5	15.5/39.7		12.3	12.9		
40.0	19.4	20.0	19.8		17.9	17.6	17.6		13.2	13.8	15.5		11.7	12.2	13.4/41.2	
42.0	18.1	19.2	19.1		17.9	17.5	17.2		12.6	13.1	15.1		11.1	11.7	13.3	
44.0	17.0	18.0	18.0		16.9	17.4	16.9		12.1	12.5	14.4		10.6	11.2	12.8	
46.0	15.9	16.8	16.9		15.9	16.8	16.6		11.6	12.0	13.7		10.2	10.7	12.1	
48.0	15.0	15.8	16.0	13.5/49.3	14.9	15.7	15.9		11.2	11.5	13.0		9.7	10.3	11.5	
50.0	14.1	14.9	15.1	13.5	14.1	14.8	15.0	12.8/51.3	10.8	11.1	12.5		9.4	9.8	11.0	
52.0	13.4	14.0	14.3	12.7	13.3	14.0	14.2	12.6	10.5	10.7	11.9	11.9/53.2	9.1	9.4	10.5	
54.0	13.1/52.6	13.3	13.5	12.1	12.6	13.2	13.5	12.0	10.2	10.4	11.5	11.8	8.8	9.0	10.1	11.0/55.2
56.0		12.5/55.6	12.9	11.4	12.0/55.6	12.5	12.8	11.3	10.0	10.2	11.1	11.1	8.5	8.7	9.7	10.9
58.0			12.2	10.9		11.7	12.2	10.8	9.8	10.0	10.7	10.6	8.3	8.5	9.3	10.4
60.0			11.7	10.3		11.5/58.5	11.6	10.2	9.8/58.5	9.8	10.4	10.0	8.2	8.3	9.0	9.9
62.0			11.6/60.1	9.8			11.0	9.7		9.7/61.4	10.1	9.5	8.1/61.5	8.2	8.7	9.4
64.0				9.4			10.7/63.1	9.3			9.9	9.1		8.1	8.5	8.9
66.0				9.0/65.6				8.8			9.8	8.6		8.1/64.4	8.3	8.5
68.0								8.4				8.2			8.2	8.1
70.0								8.3/68.5				7.9			8.2/69.0	7.7
72.0												7.6/71.5				7.4
74.0																7.0
76.0																7.0/74.4

■ w/36.55m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
10.0	78.6				68.6/10.9				59.6/11.8											
12.0	74.3				66.8				59.3				59.9/12.6				51.3/13.5			
14.0	71.2	67.9/14.9			64.0				56.9				58.8				51.3			
16.0	64.0	63.4			62.1	62.3			55.2	56.0/17.2			56.8				50.4			
18.0	54.4	56.5			55.0	55.5			53.9	54.6			53.7	50.4/18.3			48.6	47.2/19.5		
20.0	47.2	50.9			47.8	50.1			48.2	49.2			48.7	47.4			46.1	47.2		
22.0	41.6	46.3	41.9/22.5		42.1	45.5			42.6	44.7			43.0	43.1			43.3	43.3		
24.0	37.0	42.5	39.2		37.6	41.7	38.4/24.1		38.1	41.0	35.4/25.6		38.4	39.6			38.7	40.0		
26.0		38.8	36.1		33.9	38.6	35.5		34.4	37.8	34.9		34.7	36.9	33.1/27.1		34.9	36.6		
28.0		36.7/27.2	32.9		32.2/27.0	35.3	32.8		31.3	35.1	32.3		31.6	34.6	31.9		31.7	33.7	31.0/28.6	
30.0			30.2	25.9/31.5		32.4	30.1		28.7/29.9	32.2	29.9		28.8	31.8	29.7		29.0	31.6	29.4	
32.0			27.8	25.3		32.3/30.1	27.7	23.7/33.5		29.7	27.5		26.5	29.0	27.5		26.6	29.3	27.4	
34.0			27.6/32.2	23.4			25.7	23.3		28.5/33.1	25.5	21.9/35.4	25.5/32.8	26.7	25.4		24.6	26.9	25.5	
36.0				21.8			24.7/35.1	21.6			23.7	21.4		24.2	23.7	20.3/37.4	22.9/35.8	24.8	23.7	
38.0				20.3				20.2			22.2	19.9			22.1	19.9		22.8	22.1	19.0/39.3
40.0				20.3/38.1				18.9			22.1/38.1	18.7			20.7	18.6		21.9/39.0	20.7	18.5
42.0								18.3/41.1				17.5			20.1/41.0	17.4			19.4	17.4
44.0												16.5				16.4			18.5	16.4
46.0																15.5				15.4
48.0																15.1/47.0				14.6
50.0																				13.9/49.9

■w/36.55m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
14.0	45.2/14.4				39.1/15.3															
16.0	44.7				39.1				34.4/16.2				29.3/17.1				26.0/17.8			
18.0	43.5				37.9				33.9				29.2				26.0			
20.0	41.9	42.8/20.6			36.9	36.9/21.7			33.0				28.3				25.2			
22.0	40.1	40.1			36.1	36.7			32.1	32.4/22.9			27.6				24.5			
24.0	37.2	37.4			35.5	35.7			31.5	31.9			27.0	27.4			23.9	24.1/24.9		
26.0	34.4	34.7			33.8	33.7			30.4	30.8			26.5	26.7			23.4	23.7		
28.0	31.8	32.5			32.1	31.5			29.2	29.2			26.1	26.0			23.0	23.1		
30.0	28.9	30.5	28.8/30.2		29.3	29.8	27.1/31.7		27.5	27.7			25.1	25.5			22.7	22.5		
32.0	26.5	28.9	27.0		26.9	28.0	26.8		25.8	26.4	25.4/33.2		24.2	25.1			21.9	22.1		
34.0	24.5	26.8	25.3		24.6	26.6	25.1		24.4	25.2	24.7		23.2	24.1	24.0/34.7		21.3	21.3	21.5/35.9	
36.0	22.7	24.7	23.5		22.8	25.1	23.5		22.6	24.2	23.2		22.3	23.2	23.0		20.7	20.7	21.4	
38.0	21.1	22.9	21.9		21.2	23.2	22.0		21.0	23.0	21.7		21.3	22.1	21.7		20.3	20.2	21.0	
40.0	20.5/38.7	21.4	20.5	17.7/41.3	19.8	21.6	20.5		19.6	21.4	20.3		19.8	21.2	20.4		19.7	19.7	20.2	
42.0		19.8/41.9	19.3	17.2	18.7/41.7	20.1	19.3	16.5/43.3	18.3	20.0	19.1		18.5	19.8	19.1		18.4	19.3	19.0	
44.0			18.1	16.2		18.6	18.1	16.2	17.2	18.7	17.9	15.4/45.2	17.4	18.5	18.0		17.3	18.4	17.9	
46.0			17.1	15.3		18.1/44.8	17.1	15.2	16.8/44.6	17.5	16.9	15.0	16.3	17.3	16.9	14.4/47.2	16.2	17.2	16.8	
48.0			16.7/46.9	14.4			16.2	14.4		16.4/47.8	16.0	14.1	15.5/47.6	16.3	16.0	14.1	15.3	16.2	15.9	13.6/48.7
50.0				13.6			15.4/49.8	13.6			15.1	13.4		15.1	15.1	13.4	14.4/49.8	15.2	15.0	13.2
52.0				12.9				12.9			14.3	12.7		14.8/50.7	14.3	12.7		14.2	14.2	12.5
54.0				12.7/52.9				12.2			14.1/52.8	12.0			13.6	12.0		13.7/53.0	13.5	11.9
56.0								11.7/55.8				11.4			13.0/55.7	11.4			12.8	11.2
58.0												10.8				10.8			12.2	10.7
60.0												10.7/58.7				10.3				10.2
62.0																9.8/61.7				9.7
64.0																				9.2/63.9

■w/36.55m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	24.7/18.7				22.1/19.6											
20.0	24.3				21.9				19.4/20.5				17.0/21.3			
22.0	23.8				21.2				18.9				16.8			
24.0	23.1				20.6				18.2				16.2			
26.0	22.4	22.7			20.0	20.1/27.2			17.7				15.7			
28.0	21.7	22.0			19.4	19.8			17.2	17.5/28.3			15.3	15.3/29.5		
30.0	21.3	21.4			18.8	19.1			16.6	17.1			14.8	15.2		
32.0	20.9	20.9			18.5	18.6			16.2	16.4			14.3	14.7		
34.0	20.7	20.5			18.2	18.1			15.4	15.9			13.7	14.1		
36.0	20.5	20.2	20.4/37.4		18.0	17.8			14.6	15.4			13.0	13.7		
38.0	19.9	19.9	20.3		17.8	17.6	17.8/38.9		13.9	14.6			12.3	13.0		
40.0	19.5	19.4	19.8		17.8	17.4	17.5		13.2	13.8	15.4/40.5		11.7	12.3		
42.0	18.2	19.0	18.7		17.6	17.3	17.1		12.6	13.2	15.1		11.1	11.7	13.3	
44.0	17.1	18.2	17.6		17.0	17.1	16.8		12.1	12.6	14.6		10.6	11.1	13.0	
46.0	16.0	17.0	16.6		15.9	16.8	16.5		11.6	12.1	13.9		10.2	10.6	12.4	
48.0	15.1	16.0	15.7		15.0	15.9	15.6		11.2	11.6	13.3		9.7	10.2	11.7	
50.0	14.2	15.0	14.8	12.6/50.6	14.1	14.9	14.7		10.8	11.1	12.7		9.4	9.7	11.2	
52.0	13.4	14.2	14.0	12.3	13.3	14.1	13.9	11.9/52.6	10.5	10.8	12.1		9.0	9.4	10.7	
54.0	13.1/52.7	13.4	13.3	11.6	12.6	13.3	13.2	11.5	10.2	10.4	11.6	11.0/54.5	8.8	9.0	10.2	
56.0		12.5/55.9	12.6	11.0	12.0/55.7	12.6	12.5	10.9	10.0	10.2	11.2	10.7	8.5	8.8	9.8	10.3/56.5
58.0			12.0	10.5		11.8	11.9	10.4	9.8	10.0	10.8	10.1	8.3	8.5	9.4	10.0
60.0			11.4	9.9		11.5/58.9	11.3	9.8	9.7/58.6	9.8	10.5	9.6	8.2	8.3	9.1	9.5
62.0			11.2/60.9	9.4			10.8	9.4		9.7/61.8	10.2	9.1	8.1/61.6	8.2	8.8	9.0
64.0				9.0			10.3/63.9	8.9			10.0	8.7		8.1	8.6	8.5
66.0				8.6				8.5			9.7	8.3		8.1/64.8	8.4	8.1
68.0				8.4/66.9				8.1			9.5/66.8	7.9			8.2	7.7
70.0								7.7/69.8				7.5			8.2/69.7	7.4
72.0												7.2				7.0
74.0												7.0/72.8				6.7
76.0																6.4/75.7

■ w/39.60m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
10.0	76.8/10.1				67.5/11.0				58.0/11.9											
12.0	69.4				65.8				57.9				56.3/12.8				49.4/13.6			
14.0	66.5	65.0/15.3			63.2				55.7				56.3				49.4			
16.0	62.6	62.2			61.3	59.9/16.4			54.0	54.6/17.6			55.5				49.0			
18.0	54.7	55.5			55.5	54.6			52.8	53.9			53.1	50.2/18.7			48.0	47.0/19.8		
20.0	47.4	50.0			48.1	49.2			48.6	48.6			49.0	47.2			45.6	47.0		
22.0	41.8	45.6	39.6/23.3		42.4	44.8			42.8	44.3			43.2	42.5			43.4	42.0		
24.0	37.0	41.8	38.3		37.9	41.1	36.3/24.9		38.3	40.7			38.6	39.0			38.9	38.2		
26.0	36.9/24.1	38.7	35.3		34.1	38.0	34.7		34.5	37.5	33.8/26.4		34.9	36.0	31.5/27.9		35.1	35.3		
28.0		36.0/27.6	32.6		32.3/27.1	35.2	32.2		31.4	34.9	31.8		31.8	33.5	31.3		31.7	32.9	29.5/29.4	
30.0			29.9			32.3	29.8		28.7	32.4	29.7		29.1	31.5	29.1		29.4	30.7	28.8	
32.0			27.6	24.1/32.8		31.8/30.5	27.5			29.9	27.5		26.8	29.3	27.2		27.1	28.7	27.0	
34.0			26.5/33.0	23.0			25.5	22.1/34.8		28.4/33.4	25.5		25.8/32.9	27.0	25.3		25.0	26.9	25.3	
36.0				21.4			23.8/35.9	21.2			23.7	20.7/36.7		25.4	23.5		23.2/35.9	25.4	23.5	
38.0				19.9				19.8			22.1	19.7		24.1/36.4	21.9	19.0/38.7		23.7	21.9	
40.0				19.0/39.4				18.5			21.4/38.9	18.5			20.5	18.2		21.9/39.3	20.5	17.9/40.6
42.0								17.4				17.3			19.4/41.8	17.1		19.3	17.1	
44.0								17.2/42.4				16.3				16.1		18.1	16.0	
46.0												15.7/45.3				15.2		17.7/44.7	15.1	
48.0																14.3			14.3	
50.0																14.2/48.3			13.5	
52.0																				13.1/51.2

■ w/39.60m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
14.0	43.7/14.5				39.0/15.4															
16.0	43.5				38.5				33.6/16.3				29.3/17.2				25.8/17.9			
18.0	42.8				37.2				32.6				28.9				25.7			
20.0	41.5	42.3/21.0			36.2				31.7				28.1				25.0			
22.0	40.1	39.7			35.5	36.5/22.1			30.9	31.1/23.3			27.3				24.3			
24.0	37.3	37.2			34.9	35.4			30.3	30.8			26.7	27.2/24.4			23.7	23.8/25.3		
26.0	34.5	34.6			34.5	34.6			29.9	30.0			26.2	26.5			23.2	23.5		
28.0	31.9	32.9			32.1	32.9			29.2	29.0			25.9	25.8			22.7	22.9		
30.0	29.0	30.7	27.1/31.0		29.3	30.7			27.3	27.5			25.1	25.3			22.4	22.4		
32.0	27.0	28.7	26.5		26.8	28.7	25.7/32.5		25.7	26.0			24.0	24.9			21.5	21.9		
34.0	24.9	26.9	24.9		24.7	26.9	24.5		24.3	24.6	24.3		23.0	23.7	22.8/35.5		20.8	21.1		
36.0	23.1	25.4	23.4		22.9	25.4	23.0		23.0	23.5	22.8		21.9	22.6	22.4		20.1	20.4	21.2/36.7	
38.0	21.5	23.7	21.8		21.3	23.7	21.6		21.6	22.6	21.5		21.0	21.6	21.1		19.6	19.7	20.7	
40.0	20.8/38.8	22.2	20.4		19.9	22.2	20.2		20.1	21.6	20.2		19.9	20.7	19.9		19.1	19.2	19.6	
42.0		20.9	19.2	16.6/42.6	18.8/41.8	20.9	19.0		18.8	20.1	19.0		18.6	20.0	18.8		18.5	18.7	18.5	
44.0		19.4/42.3	18.0	15.9		19.6	17.8	15.4/44.6	17.6	18.8	17.9		17.4	18.6	17.7		17.3	18.2	17.5	
46.0			17.0	15.0		19.0/45.2	16.8	14.7	17.1/44.7	17.6	16.8	14.6/46.5	16.4	17.5	16.6		16.3	17.4	16.5	
48.0			16.2/47.7	14.1			15.9	13.9		16.3	15.9	13.9	15.5/47.7	16.4	15.7	13.4/48.5	15.3	16.3	15.6	12.7/49.9
50.0				13.4			15.3	13.1		16.2/48.2	15.0	13.1		15.3	14.9	12.9	14.4/49.9	15.3	14.7	12.6
52.0				12.7			14.8/50.6	12.5			14.3	12.4		14.7/51.1	14.1	12.2		14.5	14.0	12.1
54.0				12.0				11.8			13.7/53.6	11.8			13.4	11.6		13.9/53.4	13.2	11.4
56.0				12.0/54.1				11.2				11.2			12.7	11.0			12.6	10.8
58.0							11.0/57.1					10.6			12.5/56.5	10.4			12.0	10.3
60.0												10.1				9.9			11.7/58.8	9.8
62.0																9.4				9.3
64.0																9.2/63.0				8.8
66.0																				8.6/65.2

■w/39.60m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	24.5/18.8				21.6/19.7											
20.0	24.0				21.6				19.2/20.6				16.8/21.5			
22.0	23.6				21.0				18.7				16.7			
24.0	22.9				20.4				18.1				16.1			
26.0	22.3	22.3/26.4			19.8	19.8/27.5			17.6				15.6			
28.0	21.5	21.7			19.3	19.6			17.1	17.3/28.7			15.1	15.2/29.8		
30.0	21.1	21.1			18.7	18.8			16.6	17.3			14.7	15.1		
32.0	20.8	20.7			18.3	18.3			16.1	16.5			14.2	14.7		
34.0	20.4	20.3			18.0	18.0			15.4	16.0			13.8	14.1		
36.0	19.9	19.9			17.8	17.7			14.6	15.5			13.0	13.6		
38.0	19.4	19.4	20.1/38.2		17.7	17.4	17.6/39.7		13.9	14.6			12.3	13.0		
40.0	18.9	18.8	19.2		17.4	17.3	17.6		13.2	13.9	15.2/41.2		11.7	12.3		
42.0	18.3	18.4	18.2		17.1	17.0	17.1		12.6	13.2	15.1		11.1	11.7	13.2/42.8	
44.0	17.1	18.0	17.2		16.8	16.6	16.8		12.1	12.6	14.7		10.6	11.2	13.0	
46.0	16.1	17.2	16.3		16.0	16.3	16.1		11.6	12.1	14.2		10.2	10.6	12.6	
48.0	15.1	16.1	15.4		15.0	16.0	15.3		11.2	11.6	13.5		9.7	10.2	12.0	
50.0	14.2	15.1	14.5	11.8/51.9	14.2	15.1	14.4		10.8	11.2	12.9		9.4	9.8	11.4	
52.0	13.4	14.3	13.7	11.7	13.4	14.2	13.7	11.0/53.9	10.4	10.8	12.3		9.0	9.4	10.8	
54.0	13.0/52.9	13.5	13.0	11.2	12.6	13.4	13.0	10.9	10.2	10.5	11.8	10.3/55.8	8.8	9.1	10.4	
56.0		12.5	12.4	10.6	11.9/55.8	12.7	12.3	10.5	10.0	10.2	11.4	10.2	8.5	8.8	9.9	9.6/57.8
58.0		12.4/56.3	11.8	10.1		11.9	11.7	10.0	9.8	10.0	10.9	9.7	8.3	8.5	9.5	9.5
60.0			11.2	9.5		11.5/59.2	11.1	9.5	9.7/58.7	9.8	10.6	9.2	8.2	8.3	9.2	9.1
62.0			10.7/61.7	9.1			10.6	9.0		9.7	10.3	8.8	8.1/61.7	8.2	8.9	8.6
64.0				8.6			10.1	8.5		9.7/62.2	9.9	8.3		8.1	8.6	8.2
66.0				8.2			9.9/64.7	8.1			9.4	7.9		8.1/65.1	8.4	7.8
68.0				7.8				7.7			9.1/67.6	7.5			8.2	7.4
70.0				7.8/68.2				7.4				7.2			8.2	7.0
72.0								7.2/71.1				6.8			8.1/70.5	6.7
74.0												6.5				6.4
76.0												6.5/74.1				6.1
78.0																5.9/77.0

■w/42.65m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
10.0	76.6/10.2				66.1/11.1															
12.0	72.9				64.7				57.4				52.8/12.9				45.3/13.8			
14.0	69.9	62.3/15.6			62.1				55.2				52.3				45.3			
16.0	64.4	60.8			60.3	57.2/16.8			53.5	53.1/17.9			51.5				45.1			
18.0	55.3	54.2			55.9	53.6			52.3	52.7			49.9	47.0/19.1			44.6			
20.0	47.9	48.9			48.5	48.4			48.9	47.6			47.9	45.2			43.4	44.0/20.2		
22.0	42.1	44.6			42.7	44.1			43.1	43.4			43.5	41.5			41.3	41.4		
24.0	37.4	41.0	37.1/24.1		38.1	40.5	34.4/25.6		38.5	39.8			38.8	37.3			38.0	37.2		
26.0	37.0/24.2	37.9	34.2		34.3	37.5	33.8		34.7	36.8	31.8/27.2		35.1	34.5			35.0	33.6		
28.0		35.3/27.9	31.7		32.3/27.2	34.8	31.3		31.6	34.2	30.9		31.9	32.2	29.6/28.7		31.8	31.1		
30.0			29.5		32.3	29.2			28.9	31.9	28.8		29.3	30.6	28.4		28.8	29.4	27.9/30.2	
32.0			27.1			31.2/30.9	27.1		28.7/30.1	29.7	26.9		27.0	28.9	26.5		27.2	28.0	26.1	
34.0			25.4/33.8	22.1/34.1			25.1			27.8/33.8	25.0		25.8/33.1	27.4	24.8		25.2	26.7	24.5	
36.0				20.7			23.4	20.5			23.3			25.5	23.2		23.5	25.5	23.1	
38.0				19.3			22.8/36.7	19.2			21.7	19.1		24.8/36.8	21.6			23.7	21.5	
40.0				18.0				17.9			20.6/39.6	17.9			20.3	17.6		22.0/39.7	20.2	16.5/41.9
42.0				17.6/40.7				16.8				16.8			19.0	16.5			18.9	16.5
44.0								15.2/43.7				15.8			18.6/42.6	15.5			17.8	15.5
46.0												14.9				14.6			17.1/45.5	14.6
48.0												14.6/46.6				13.8				13.8
50.0																13.2/49.5				13.0
52.0																				12.3
54.0																				12.2/52.5

■w/42.65m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
14.0	41.2/14.6				37.0/15.5															
16.0	41.1				37.0				32.9/16.4				28.8/17.3							
18.0	40.5				36.6				32.8				28.6				25.5			
20.0	39.8	40.3/21.3			36.1				32.2				27.8				24.7			
22.0	38.4	39.3			35.3	35.9/22.5			31.4	31.7/23.6			27.0				24.0			
24.0	36.2	36.8			34.4	35.1			30.8	31.4			26.4	26.7/24.8			23.4	23.5/25.6		
26.0	33.9	33.5			32.9	33.4			29.9	30.5			25.9	26.3			22.9	23.4		
28.0	31.6	30.6			31.4	30.3			28.8	28.9			25.6	25.6			22.5	22.7		
30.0	29.0	28.7	26.1/31.7		29.3	27.8			27.2	27.4			25.1	25.1			22.2	22.2		
32.0	27.0	27.2	25.7		27.0	26.0	24.2/33.3		25.5	25.5			24.0	24.7			21.5	21.7		
34.0	25.3	25.8	24.1		24.7	24.8	23.7		24.0	23.9	22.6/34.8		22.9	23.5			20.6	21.0		
36.0	23.4	24.6	22.7		23.3	23.6	22.3		22.7	22.8	21.8		21.8	22.1	21.6/36.3		19.8	20.1	20.3/37.5	
38.0	21.8	23.6	21.4		21.9	22.7	21.0		21.5	21.9	20.6		20.8	20.9	20.5		19.1	19.2	20.1	
40.0	21.0/38.9	22.0	20.0		20.5	22.1	19.8		20.2	21.1	19.4		19.7	20.0	19.3		18.5	18.5	19.0	
42.0		20.3	18.8	15.3/43.9	19.2/41.9	20.7	18.6		18.9	20.4	18.4		18.9	19.4	18.3		18.0	18.0	18.0	
44.0		19.8/42.6	17.7	15.3		19.4	17.5	14.3/45.8	17.8	19.2	17.3		17.7	18.7	17.3		17.6	17.5	17.1	
46.0			16.7	14.4		17.8/45.6	16.5	14.2	17.4/44.8	18.0	16.3	13.3/47.8	16.6	17.8	16.3		16.5	17.2	16.2	
48.0			15.8	13.6			15.6	13.4		16.7	15.4	13.1	15.7/47.8	16.7	15.4	12.4/49.8	15.5	16.6	15.3	
50.0			15.5/48.5	12.9			14.7	12.6		16.4/48.5	14.5	12.4		15.7	14.6	12.4	14.6	15.6	14.4	11.7/51.2
52.0				12.2			14.2/51.4	12.0			13.8	11.7		14.9/51.5	13.8	11.7		14.7	13.7	11.6
54.0				11.6				11.3			13.1	11.1			13.1	11.1		13.8/53.7	13.0	11.0
56.0				11.1/55.4				10.8			13.0/54.4	10.5			12.4	10.5			12.3	10.4
58.0								10.2				10.0			12.0/57.3	10.0			11.7	9.9
60.0								10.2/58.4				9.5				9.5			11.2/59.6	9.4
62.0												9.2/61.3				9.0				8.9
64.0																8.6				8.5
66.0																8.5/64.3				8.1
68.0																				8.0/66.5

■w/42.65m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	24.2/18.9				21.3/19.8											
20.0	23.8				21.3				18.8/20.7				16.7/21.6			
22.0	23.0				20.9				18.6				16.5			
24.0	22.7				20.2				18.0				16.0			
26.0	22.1	22.1/26.8			19.7	19.5/27.9			17.4				15.5			
28.0	21.3	21.5			19.2	19.4			16.9	17.2/29.1			15.0			
30.0	20.9	21.0			18.5	18.7			16.5	17.0			14.6	15.0/30.2		
32.0	20.4	20.5			18.1	18.2			15.9	16.4			14.1	14.6		
34.0	19.7	19.9			17.9	17.8			15.4	15.8			13.7	14.0		
36.0	19.2	19.2			17.6	17.5			14.6	15.4			13.0	13.5		
38.0	18.7	18.7	19.0/39.0		17.3	17.3			13.9	14.7			12.3	13.1		
40.0	18.2	18.2	18.6		16.9	16.8	17.4/40.5		13.2	14.0			11.7	12.4		
42.0	17.9	17.7	17.6		16.5	16.4	17.1		12.6	13.3	15.0		11.1	11.8	13.0/43.6	
44.0	17.4	17.3	16.7		16.2	16.0	16.5		12.1	12.7	14.7		10.6	11.2	12.9	
46.0	16.3	17.0	15.8		15.9	15.7	15.6		11.6	12.1	14.4		10.2	10.7	12.6	
48.0	15.3	16.4	15.0		15.2	15.4	14.8		11.2	11.7	13.7		9.7	10.2	12.2	
50.0	14.4	15.4	14.2		14.4	15.2	14.1		10.8	11.2	13.1		9.4	9.8	11.6	
52.0	13.6	14.5	13.5	10.9/53.2	13.6	14.5	13.4		10.4	10.8	12.5		9.0	9.4	11.0	
54.0	13.2/53.0	13.7	12.8	10.7	12.8	13.6	12.7	10.2/55.2	10.2	10.5	12.0		8.8	9.1	10.5	
56.0		12.8	12.1	10.1	12.1/55.9	12.9	12.0	10.0	9.9	10.2	11.5	9.4/57.1	8.5	8.8	10.1	
58.0		12.5/56.7	11.5	9.6		12.2	11.4	9.5	9.8	10.0	11.1	9.3	8.3	8.5	9.7	8.8/59.1
60.0			10.9	9.1		10.6/59.6	10.9	9.0	9.7/58.8	9.8	10.7	8.8	8.2	8.3	9.3	8.6
62.0			10.4	8.7			10.3	8.6		9.7	10.1	8.3	8.1/61.8	8.2	9.0	8.2
64.0			10.3/62.5	8.2			9.9	8.1		9.7/62.6	9.7	7.9		8.1	8.7	7.8
66.0				7.8			9.6/65.4	7.7			9.2	7.5		8.0/65.5	8.5	7.4
68.0				7.5				7.4			8.8	7.1			8.3	7.0
70.0				7.2/69.4				7.0			8.7/68.4	6.8			8.2	6.6
72.0								6.7				6.5			8.0/71.3	6.3
74.0								6.6/72.4				6.2				6.0
76.0												6.0/75.3				5.7
78.0																5.4
80.0																5.4/78.3

■w/45.70m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
10.0	75.0/10.3				65.3/11.2															
12.0	71.8				64.1				56.7/12.1				49.1/13.0				41.3/13.9			
14.0	67.4				61.6				54.6				48.4				40.5			
16.0	62.9	59.6			59.8	54.8/17.2			52.9				47.5				40.5			
18.0	55.7	53.2			55.9	52.4			51.8	50.6/18.3			46.7	43.8/19.4			40.5			
20.0	48.2	48.1			48.8	47.4			49.3	46.6			45.9	43.2			40.5	41.1/20.6		
22.0	42.4	43.9			42.9	43.2			43.4	42.5			43.8	41.3			39.2	41.1		
24.0	37.7	40.3	34.1/24.9		38.3	39.7			38.7	39.0			39.1	37.1			37.1	37.1		
26.0	37.0/24.3	37.3	33.3		34.5	36.7	32.4/26.4		34.9	36.0			35.2	33.5			35.0	33.5		
28.0		34.8	30.9		32.3/27.3	34.1	30.4		31.7	33.5	29.9		32.1	31.0	28.0/29.5		31.9	30.6		
30.0		34.5/28.3	28.8			31.9	28.3		29.0	31.3	27.9		29.1	29.0	27.5		29.1	28.5	26.3/31.0	
32.0			26.8			30.6/31.2	26.5		28.7/30.2	29.4	26.1		27.1	27.6	25.7		26.8	26.8	25.3	
34.0			24.8	20.6/35.4			24.7			27.3	24.5		25.8/33.2	26.4	24.1		25.3	25.6	23.8	
36.0			24.3/34.5	20.1			23.0	19.0/37.3		27.1/34.2	22.9			25.5	22.7		23.6	24.5	22.4	
38.0				18.7			21.8/37.5	18.6			21.3	17.6/39.3		24.5/37.1	21.2		23.5/36.1	23.7	21.1	
40.0				17.5				17.3			20.0	17.2			19.9	16.3/41.3		22.2	19.8	
42.0				16.4				16.3			19.7/40.4	16.2			18.7	16.0		22.1/40.1	18.6	15.3/43.2
44.0								15.3				15.2			17.8/43.4	15.0			17.5	14.9
46.0								14.8/44.9				14.3				14.1			16.5	14.0
48.0												13.6/47.9				13.3			16.4/46.3	13.3
50.0																12.6				12.5
52.0																12.3/50.8				11.9
54.0																				11.3/53.8

■w/45.70m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
14.0	38.5/14.7				35.9/15.6															
16.0	38.5				35.9				32.2/16.5				28.4/17.4							
18.0	38.4				35.5				31.9				28.3				25.2/18.1			
20.0	38.2	38.3/21.7			34.6				31.0				27.5				24.5			
22.0	36.8	38.0			33.9	34.4/22.9			30.2				26.7				23.7			
24.0	35.1	36.4			33.2	33.8			29.6	30.3			26.1	26.5/25.1			23.1			
26.0	33.4	33.3			31.9	33.0			29.2	29.5			25.6	26.1			22.6	23.2		
28.0	31.3	30.3			30.7	30.1			28.5	28.8			25.2	25.4			22.2	22.6		
30.0	29.1	27.8			29.3	27.7			27.2	27.4			25.0	24.9			21.9	22.0		
32.0	26.5	26.0	24.6/32.5		27.1	25.7			25.5	25.5			24.0	24.4			21.4	21.5		
34.0	24.7	24.5	23.4		24.8	24.1	23.2/34.1		23.8	23.5	21.7/35.6		22.9	23.4			20.6	20.8		
36.0	23.4	23.5	22.0		23.2	22.7	21.9		22.3	22.1	21.4		21.8	21.9	20.4/37.1		19.8	19.6		
38.0	21.8	22.8	20.8		21.8	21.9	20.6		21.0	21.0	20.2		20.8	20.5	19.8		19.0	18.6	19.2/38.2	
40.0	21.0/39.0	22.1	19.6		20.6	21.3	19.5		20.1	20.2	19.1		19.6	19.3	18.7		18.3	17.8	18.4	
42.0		20.6	18.5		19.3	20.6	18.5		19.1	19.5	18.1		18.6	18.5	17.7		17.7	17.2	17.4	
44.0		19.9/43.0	17.4	14.2/45.2		19.5	17.4		17.9	19.0	17.2		17.7	18.0	16.8		17.1	16.7	16.5	
46.0			16.4	13.9		18.0	16.4	13.5/47.1	17.3/44.9	18.1	16.2		16.6	17.5	15.9		16.5	16.5	15.7	
48.0			15.5	13.1			15.5	13.1		16.8	15.3	12.4/49.1	15.7/47.9	16.8	15.1		15.6	16.1	14.9	
50.0			14.9/49.3	12.4			14.7	12.4		16.3/48.9	14.5	12.1		15.8	14.3	11.5/51.1	14.7	15.7	14.1	
52.0				11.7			13.9	11.7			13.7	11.5		14.5/51.9	13.5	11.2	14.6/50.1	14.8	13.4	10.8/52.5
54.0				11.1			13.8/52.2	11.1			13.0	10.9			12.8	10.6		13.9	12.7	10.5
56.0				10.5				10.5			12.6/55.2	10.3			12.2	10.1		13.8/54.1	12.0	9.9
58.0				10.3/56.7				10.0				9.8			11.5	9.6			11.4	9.4
60.0								9.6/59.7				9.3			11.5/58.1	9.1			10.9	8.9
62.0												8.8				8.6			10.8/60.3	8.5
64.0												8.7/62.6				8.2				8.1
66.0																7.8/65.6				7.7
68.0																				7.3/67.8

■w/45.70m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	24.0/19.0				21.1/19.9											
20.0	23.6				21.1				18.5/20.8				16.6/21.7			
22.0	22.8				20.4				18.3				16.4			
24.0	22.2				20.0				17.8				15.8			
26.0	21.9	21.2/27.1			19.5				17.3				15.3			
28.0	21.0	21.2			19.0	19.2/28.3			16.8	17.0/29.4			14.9			
30.0	20.3	20.1			18.3	18.7			16.4	16.9			14.5	14.9/30.6		
32.0	19.6	19.5			18.0	18.1			15.8	16.4			14.1	14.5		
34.0	19.0	19.1			17.6	17.7			15.5	15.7			13.6	14.0		
36.0	18.4	18.5			17.1	17.2			14.7	15.2			13.0	13.5		
38.0	17.9	17.9	18.0/39.8		16.6	16.7			13.9	14.8			12.3	13.1		
40.0	17.5	17.4	17.9		16.2	16.2	17.0/41.3		13.2	14.1			11.7	12.5		
42.0	17.1	17.0	17.0		15.9	15.8	16.8		12.6	13.4	14.9/42.8		11.2	11.8		
44.0	16.8	16.6	16.1		15.6	15.4	15.9		12.1	12.8	14.7		10.6	11.3	12.9/44.3	
46.0	16.3	16.2	15.3		15.3	15.1	15.1		11.6	12.2	14.3		10.2	10.7	12.6	
48.0	15.4	15.9	14.5		15.1	14.8	14.3		11.2	11.7	14.0		9.7	10.3	12.3	
50.0	14.5	15.5	13.8		14.4	14.6	13.6		10.8	11.2	13.3		9.4	9.8	11.8	
52.0	13.6	14.6	13.2		13.6	14.4	13.0		10.4	10.9	12.6		9.0	9.4	11.2	
54.0	13.2/53.1	13.8	12.5	10.0/54.5	12.8	13.7	12.4		10.2	10.5	12.1		8.7	9.1	10.7	
56.0		13.0	11.8	9.7	12.1	13.0	11.7	9.4/56.4	9.9	10.2	11.5		8.5	8.8	10.2	
58.0		12.6/57.0	11.2	9.2		12.3	11.1	9.1	9.8	10.0	10.9	8.7/58.4	8.3	8.5	9.8	
60.0			10.7	8.7		11.3	10.6	8.6	9.7/59.0	9.8	10.4	8.4	8.2	8.3	9.4	8.0/60.4
62.0			10.2	8.2			10.1	8.1		9.7	9.9	7.9	8.1/61.9	8.3	9.1	7.7
64.0			9.8/63.3	7.8			9.6	7.7		9.7/62.9	9.4	7.5		8.1	8.8	7.3
66.0				7.4			9.2	7.3			9.0	7.1		8.1/65.9	8.5	7.0
68.0				7.1			9.1/66.2	7.0			8.5	6.8			8.3	6.6
70.0				6.7				6.6			8.3/69.2	6.4			8.0	6.3
72.0				6.6/70.7				6.3				6.1			7.7	5.9
74.0								6.1/73.7				5.8			7.6/72.1	5.6
76.0												5.5				5.4
78.0												5.4/76.6				5.1
80.0																4.9/79.6

■w/48.75m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
10.0	71.9/10.4				64.6/11.3															
12.0	67.1				63.6				56.0/12.2				46.7/13.1							
14.0	62.1				59.6				54.1				46.4				40.5			
16.0	58.2	56.8/16.4			55.7	52.7/17.5			52.4				45.9				40.5			
18.0	54.8	52.0			52.6	51.2			50.2	48.5/18.7			45.6	42.3/19.8			40.5			
20.0	48.6	47.0			49.2	46.3			47.7	45.5			43.6	42.1			40.3	40.8/20.9		
22.0	42.7	42.9			43.2	42.2			43.7	41.5			41.5	41.0			37.7	40.1		
24.0	37.9	39.4	32.6/25.7		38.5	38.8			38.9	38.1			38.6	36.9			35.2	36.8		
26.0	37.0/24.4	36.5	32.2		34.7	35.9	29.7/27.2		35.1	35.3			35.4	33.3			33.1	33.3		
28.0		34.1	29.8		32.3/27.4	33.4	29.4		31.9	32.8	28.3/28.7		32.2	30.3			30.3	30.3		
30.0		33.4/28.7	27.8			31.3	27.3		29.1	30.6	27.0		28.8	27.8	26.3/30.3		27.9	27.8	24.7/31.8	
32.0			26.0			29.8/31.6	25.6		28.7/30.3	28.7	25.2		25.8	25.8	24.8		25.6	25.8	24.5	
34.0			24.3				24.0			27.1	23.7		24.9/33.3	24.6	23.2		24.3	24.4	23.0	
36.0			23.1/35.3	18.9/36.7			22.5			26.6/34.6	22.3			24.2	21.9		23.3	23.2	21.6	
38.0				18.0			21.0	17.5/38.6			20.9			24.0/37.5	20.6		23.2/36.2	22.4	20.4	
40.0				16.8			20.7/38.3	16.6			19.6	16.2/40.6			19.5			21.9	19.3	
42.0				15.8				15.6			18.9/41.2	15.5			18.3	15.1/42.5		21.7/40.4	18.2	
44.0				15.1/43.3				14.7				14.6			17.2	14.4			17.1	14.2/44.5
46.0								13.8				13.7			17.0/44.2	13.5			16.1	13.5
48.0								13.7/46.2				13.0				12.7			15.6/47.1	12.7
50.0												12.5/49.2				12.0				12.0
52.0																	11.4			11.4
54.0																	11.3/52.1			10.8
56.0																				10.4/55.1

■w/48.75m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
14.0	37.9/14.9				34.5/15.7															
16.0	37.9				34.5				31.1/16.6				27.6/17.5							
18.0	37.7				34.2				30.9				27.6				24.1/18.2			
20.0	37.1				33.8				30.6				27.1				24.1			
22.0	35.4	37.6/22.1			33.2	34.0/23.2			29.9				26.4				23.5			
24.0	33.8	35.7			32.4	33.6			29.3	29.9/24.4			25.8	26.2/25.5			22.9			
26.0	32.2	33.1			31.3	32.2			28.8	29.2			25.3	25.9			22.4	22.9/26.4		
28.0	29.9	30.1			29.6	29.9			27.7	28.4			24.9	25.2			22.0	22.4		
30.0	28.0	27.6			28.0	27.5			26.5	27.0			24.7	24.6			21.7	21.8		
32.0	25.9	25.6	23.2/33.3		26.1	25.5			24.9	25.1			23.9	24.2			21.4	21.3		
34.0	24.0	23.8	22.6		24.2	23.5	22.0/34.8		23.5	23.4			22.9	23.2			20.4	20.7		
36.0	22.6	22.5	21.3		22.6	22.0	21.1		22.2	21.8	20.5/36.4		21.8	21.7	19.2/37.9		19.3	19.4		
38.0	21.5	21.6	20.0		21.2	20.7	19.9		20.9	20.3	19.5		20.8	20.1	19.1		18.3	18.2	18.1/39.0	
40.0	21.2/38.2	20.9	18.9		20.2	19.8	18.9		19.8	19.1	18.5		19.5	18.8	18.0		17.5	17.2	17.7	
42.0		20.6	18.0		19.3	19.4	17.9		18.8	18.5	17.5		18.4	17.8	17.1		16.8	16.4	16.8	
44.0		19.7/43.4	17.0		19.2/42.1	19.1	17.0		18.0	18.0	16.6		17.6	17.0	16.2		16.3	15.8	15.9	
46.0			16.0	13.1/46.5		18.3	16.1		17.7/45.0	17.6	15.8		16.7	16.6	15.4		15.9	15.3	15.1	
48.0			15.1	12.5		18.1/46.3	15.2	12.4/48.4		17.0	15.0		15.7	16.2	14.6		15.6	15.1	14.4	
50.0			14.3	11.8			14.3	11.9		16.6/49.3	14.2	11.4/50.4		16.0	13.9		14.7	14.9	13.7	
52.0			14.3/50.1	11.2			13.6	11.2			13.4	11.0		15.2	13.2	10.7/52.3	14.6/50.2	14.9	13.0	10.0/53.8
54.0				10.6			13.3/53.0	10.6			12.7	10.4		15.0/52.2	12.5	10.1		13.8	12.4	9.9
56.0				10.1				10.1			12.1/55.9	9.8			11.9	9.6		13.6/54.5	11.7	9.4
58.0				9.5				9.5				9.3			11.3	9.1			11.2	8.9
60.0								9.1				8.8			11.0/58.9	8.6			10.6	8.5
62.0								8.9/61.0				8.4				8.2			10.3/61.1	8.0
64.0												8.0/63.9				7.8				7.6
66.0																7.4				7.3
68.0																7.2/66.8				6.9
70.0																				6.7/69.1

■w/48.75m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	23.7/19.1															
20.0	23.3				20.6				18.3/20.9				16.2/21.8			
22.0	22.6				20.2				18.0				16.2			
24.0	21.9				19.6				17.6				15.7			
26.0	21.3	21.0/27.5			19.2				17.1				15.2			
28.0	20.7	21.0			18.8	19.1/28.7			16.6	16.8/29.8			14.7			
30.0	19.8	19.9			18.1	18.6			16.2	16.8			14.3	14.7/30.9		
32.0	18.8	19.0			17.4	17.7			15.6	16.3			14.0	14.5		
34.0	18.1	18.2			16.9	17.0			15.3	15.7			13.5	13.9		
36.0	17.6	17.6			16.4	16.4			14.7	15.1			13.1	13.3		
38.0	17.1	17.1			15.9	15.9			13.9	14.7			12.4	13.0		
40.0	16.6	16.6	16.9/40.6		15.5	15.5			13.3	14.1			11.7	12.6		
42.0	16.2	16.1	16.4		15.1	15.0	16.0/42.1		12.7	13.4	14.6/43.6		11.2	11.9		
44.0	15.9	15.7	15.5		14.8	14.7	15.3		12.1	12.8	14.6		10.6	11.3	12.7/45.1	
46.0	15.6	15.4	14.7		14.6	14.3	14.5		11.6	12.2	14.1		10.2	10.8	12.6	
48.0	15.4	15.1	14.0		14.3	14.1	13.8		11.2	11.7	13.4		9.8	10.3	12.3	
50.0	14.5	14.8	13.3		14.1	13.8	13.1		10.8	11.3	12.8		9.4	9.9	12.0	
52.0	13.7	14.7	12.7		13.6	13.6	12.5		10.4	10.9	12.1		9.0	9.5	11.4	
54.0	13.2/53.2	13.9	12.1	9.1/55.8	12.9	13.5	11.9		10.1	10.5	11.6		8.7	9.1	10.9	
56.0		13.0	11.5	9.0	12.2	13.1	11.4	8.5/57.7	9.9	10.2	11.0		8.5	8.8	10.4	
58.0		12.5/57.4	11.0	8.7	12.1/56.1	12.3	10.9	8.4	9.8	10.0	10.5	7.8/59.7	8.3	8.6	9.9	
60.0			10.4	8.2		11.3	10.3	8.1	9.7/59.1	9.8	10.1	7.7	8.1	8.3	9.5	7.2/61.6
62.0			9.9	7.8		11.2/60.4	9.8	7.7		9.6	9.6	7.4	8.1	8.2	9.2	7.1
64.0			9.4	7.4			9.3	7.3		9.5/63.3	9.2	7.0		8.1	8.9	6.8
66.0			9.4/64.1	7.0			8.9	6.9			8.7	6.7		7.7	8.6	6.5
68.0				6.7			8.7/67.0	6.6			8.3	6.3		7.7/66.2	8.2	6.2
70.0				6.3				6.2			7.9	6.0			7.8	5.9
72.0				6.0				5.9				5.7			7.4	5.6
74.0								5.6				5.4			7.3/72.9	5.3
76.0								5.5/75.0				5.1				5.0
78.0												4.9/77.9				4.7
80.0																4.5
82.0																4.4/80.9

■w/51.80m Tower

Jib Length (m)	21.35				24.40				27.45				30.50				33.50			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
10.0	66.2/10.5				60.9/11.4															
12.0	61.7				59.4				54.3/12.3				44.5/13.2							
14.0	57.0				54.9				52.3				40.5				41.3/14.1			
16.0	53.2	54.3/16.8			51.2	50.3/17.9			48.9				40.5				40.5			
18.0	50.2	50.9			48.2	50.1			46.1	46.7/19.0			40.5				40.3			
20.0	47.6	46.0			45.8	45.3			43.7	44.9			40.2	40.9/20.2			38.3	38.2/21.3		
22.0	42.9	42.0			43.5	41.3			41.8	40.9			38.4	39.1			36.3	37.4		
24.0	38.1	38.6			38.7	38.0			39.2	37.7			36.1	36.7			33.5	35.4		
26.0	37.0/24.5	35.7	30.7/26.5		34.8	35.2			35.3	34.8			33.5	33.1			31.2	33.1		
28.0		33.3	29.0		32.3/27.5	32.7	28.5		32.0	32.4	26.9/29.5		31.1	30.1			28.9	30.1		
30.0		32.3/29.0	27.0			30.6	26.6		29.3	30.3	26.3		28.6	27.6	24.8/31.1		27.0	27.6		
32.0			25.3			28.8	24.8		28.7/30.4	28.4	24.6		26.0	25.6	24.1		25.2	25.6	23.3/32.6	
34.0			23.8				23.3			26.8	23.1		24.4/33.4	23.6	22.6		23.6	23.6	22.5	
36.0			22.3				22.0			26.2/34.9	21.7			22.4	21.2		22.2	22.1	21.1	
38.0			22.2/36.1	17.5			20.7	16.1/39.9			20.5			20.8/37.9	20.1		21.6/36.3	20.8	19.9	
40.0				16.3			19.9/39.1	16.1			19.4	15.1/41.9			19.0			20.3	18.8	
42.0				15.3				15.1			18.2	15.1			18.0	14.0/43.8		20.2/40.8	17.9	
44.0				14.4				14.2				14.2			16.9	13.9			16.9	13.0/45.8
46.0					14.1/44.6				13.4			13.3			16.3/45.0	13.1			16.0	12.9
48.0								12.8/47.5				12.6				12.3			15.0/47.9	12.2
50.0												11.9				11.6				11.5
52.0												11.7/50.5				11.0				10.9
54.0																10.5/53.4				10.3
56.0																				9.8
58.0																				9.7/56.4

■w/51.80m Tower

Jib Length (m)	36.55				39.60				42.65				45.70				48.75			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
14.0	37.3/15.0				33.3/15.9															
16.0	37.3				33.3				29.9/16.7				26.7/17.6							
18.0	37.1				32.9				29.7				26.7				24.1/18.3			
20.0	36.0				32.5				29.4				26.4				23.9			
22.0	34.1	35.1/22.5			32.1	32.0/23.6			29.1				26.1				23.2			
24.0	32.6	33.7			31.2	31.6			28.7	29.5/24.7			25.5	25.7/25.9			22.6			
26.0	31.0	32.2			30.1	30.2			28.1	28.6			25.0	25.7			22.1	22.6/26.7		
28.0	28.7	29.9			28.6	29.0			26.9	27.4			24.6	25.0			21.7	22.2		
30.0	26.9	27.5			26.8	27.4			25.9	26.4			24.3	24.4			21.4	21.6		
32.0	25.2	25.5			25.1	25.3			24.5	24.8			23.9	23.9			21.2	21.1		
34.0	23.6	23.5	21.9/34.1		23.6	23.4	20.8/35.6		23.2	23.2			22.9	23.1			20.2	20.6		
36.0	21.4	21.9	20.6		22.3	21.8	20.5		22.0	21.7	19.3/37.2		21.9	21.6			19.2	19.3		
38.0	20.0	20.6	19.4		21.0	20.2	19.3		20.9	20.1	18.9		20.9	20.0	18.1/38.7		18.3	18.1	17.1/39.8	
40.0	19.7/39.3	19.6	18.3		19.6	19.0	18.3		19.4	18.9	17.8		19.5	18.8	17.4		17.3	17.1	17.0	
42.0		19.1	17.4		18.6	18.3	17.3		18.0	17.8	16.9		18.3	17.6	16.5		16.4	16.2	16.7	
44.0		19.0/43.8	16.5		18.3/42.2	17.8	16.4		17.1	17.0	16.0		17.1	16.6	15.6		15.7	15.6	15.8	
46.0			15.7	12.2/47.7		17.4	15.6		16.9/45.1	16.6	15.2		16.2	15.8	14.9		15.2	15.1	15.0	
48.0			14.8	12.0		17.3/46.7	14.9	11.5/49.7		16.4	14.5		15.7	15.4	14.1		14.8	14.7	14.2	
50.0			14.0	11.3			14.1	11.4		16.3/49.7	13.8	10.5/51.7	15.6/48.1	15.0	13.5		14.6	14.4	13.5	
52.0			13.7/50.8	10.7			13.3	10.7			13.1	10.5		14.6	12.8	9.8/53.6	14.4/50.3	14.2	12.7	
54.0				10.1			12.7/53.8	10.2			12.4	9.9		14.4/52.6	12.2	9.6		13.9	12.1	9.0/55.1
56.0				9.6				9.6			11.8	9.4			11.6	9.1		13.5/54.8	11.6	8.9
58.0				9.1				9.1			11.6/56.7	8.9			11.0	8.7			11.0	8.5
60.0				8.9/59.3				8.7				8.4			10.6/59.7	8.2			10.5	8.1
62.0								8.2				8.0				7.8			10.0/61.9	7.6
64.0								8.2/62.2				7.6				7.4				7.2
66.0												7.4/65.2				7.0				6.9
68.0																6.7				6.5
70.0																6.6/68.1				6.2
72.0																				6.1/70.4

■w/51.80m Tower

Jib Length (m)	51.80				54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																
18.0	23.4/19.2															
20.0	23.1				20.7/20.1				18.1/21.0				16.0/21.9			
22.0	22.0				20.0				17.8				16.0			
24.0	21.0				19.4				17.3				15.6			
26.0	20.7	20.9/27.9			18.8				16.9				15.0			
28.0	20.4	20.9			18.5	19.0/29.0			16.5				14.6			
30.0	19.7	19.8			18.0	18.5			16.1	16.7/30.2			14.2	14.5/31.3		
32.0	18.7	18.9			17.2	17.6			15.6	16.2			13.8	14.4		
34.0	17.8	18.0			16.4	16.7			14.9	15.5			13.3	13.9		
36.0	17.0	17.1			15.9	15.9			14.4	14.7			13.1	13.3		
38.0	16.4	16.4			15.3	15.2			13.9	14.1			12.4	12.9		
40.0	15.8	15.7	16.0/41.3		14.7	14.7			13.3	13.6			11.7	12.5		
42.0	15.4	15.2	15.8		14.4	14.3	15.1/42.9		12.7	13.2			11.2	12.0		
44.0	15.0	14.8	15.0		14.1	13.9	14.7		12.1	12.8	14.2/44.4		10.6	11.4	12.6/45.9	
46.0	14.7	14.5	14.2		13.8	13.6	14.0		11.6	12.3	13.6		10.2	10.8	12.5	
48.0	14.5	14.2	13.5		13.5	13.3	13.3		11.2	11.8	12.9		9.8	10.3	12.2	
50.0	14.3	13.9	12.8		13.4	13.0	12.6		10.8	11.3	12.3		9.4	9.9	12.0	
52.0	13.7	13.7	12.2		13.2	12.8	12.0		10.4	10.9	11.7		9.0	9.5	11.4	
54.0	13.1/53.3	13.6	11.6		12.9	12.7	11.5		10.1	10.6	11.1		8.7	9.1	10.9	
56.0		13.2	11.1	8.3/57.1	12.2	12.6	10.9		9.9	10.2	10.6		8.5	8.8	10.3	
58.0		12.8/57.8	10.6	8.1	12.1/56.2	12.4	10.4	7.7/59.0	9.8	10.0	10.1		8.3	8.6	9.9	
60.0			10.2	7.7		11.7	10.0	7.5	9.7/59.2	9.8	9.7	7.0/61.0	8.1	8.3	9.4	
62.0			9.7	7.4		11.5/60.7	9.6	7.2		9.6	9.2	6.8	8.0	8.2	9.0	6.4/62.9
64.0			9.2	7.0			9.1	6.8		9.5/63.7	8.9	6.5	7.9/62.1	8.1	8.6	6.3
66.0			9.0/64.9	6.6			8.7	6.5			8.5	6.2		8.0	8.2	5.9
68.0				6.3			8.3/67.8	6.2			8.1	5.9	7.9/66.6	7.9	5.7	
70.0				6.0				5.9			7.7	5.6		7.5	5.4	
72.0				5.7				5.6		7.6/70.8	5.4			7.2	5.1	
74.0				5.6/73.3				5.3			5.1			6.9/73.7	4.9	
76.0								5.0				4.8			4.6	
78.0								5.0/76.3				4.6			4.4	
80.0											4.3/79.2				4.2	
82.0															3.9	
84.0																3.9/82.1

■w/54.85m Tower

Jib Length (m)	24.40				27.45				30.50				33.50				36.55			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
10.0	56.3/11.5																			
12.0	54.9				51.6/12.4				45.7/13.3											
14.0	50.6				48.5				44.6				42.2/14.2				34.9/15.1			
16.0	47.1				45.2				41.6				39.8				34.5			
18.0	44.2	46.2/18.3			42.5	42.8/19.4			39.2				37.5				33.6			
20.0	41.9	43.5			40.2	41.8			37.1	37.8/20.6			35.5	35.0/21.7			32.4			
22.0	40.0	40.4			38.4	39.3			35.4	36.3			33.8	34.7			30.9	32.6/22.8		
24.0	38.4	37.1			36.8	36.8			33.9	34.3			31.9	32.9			29.0	31.4		
26.0	35.0	34.4			35.5	34.1			32.7	32.7			29.5	30.6			27.3	29.9		
28.0	32.3/27.6	32.0	26.9/28.8		32.2	31.7			31.7	31.1			27.5	28.0			25.5	27.9		
30.0		29.9	25.7		29.4	29.6	25.3/30.3		29.8	29.1	23.5/31.8		25.6	25.8			23.9	25.7		
32.0		28.2	24.1		28.8/30.5	27.8	23.8		27.4	27.2	23.3		23.9	23.9	21.9/33.4		22.5	23.8		
34.0		27.9/32.4	22.6			26.2	22.4		25.8/33.5	25.6	21.9		22.4	22.2	21.4		21.3	22.1	20.5/34.9	
36.0			21.3			25.4/35.3	21.1			24.2	20.6		20.2	20.8	20.2		19.9	20.7	19.8	
38.0			20.1				19.9			23.0	19.4		20.1/36.4	19.8	19.0		18.7	19.5	18.7	
40.0			19.1/39.9	14.9/41.2			18.9			22.9/38.2	18.4			18.9	18.0		18.7/39.4	18.4	17.6	
42.0				14.5			17.9	13.9/43.2			17.5			18.6/41.2	17.0			17.8	16.7	
44.0				13.6			17.4/42.8	13.6			16.6	12.9/45.1			16.2			17.5	15.9	
46.0				12.8				12.8			15.8/45.7	12.5			15.4	11.8/47.1		17.4/44.1	15.1	
48.0				12.1				12.1				11.8			14.6	11.5			14.4	11.0/49.0
50.0				11.9/48.8				11.4				11.2			14.3/48.7	10.9			13.7	10.7
52.0								10.9/51.8				10.6				10.3			13.1/51.6	10.2
54.0												10.0				9.8				9.6
56.0												9.9/54.7				9.3				9.1
58.0																8.9/57.6				8.6
60.0																				8.2
62.0																				8.1/60.6

■ w/54.85m Tower

Jib Length (m)	39.60				42.65				45.70				48.75				51.80			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
16.0	30.3				28.1/16.9				25.8/17.7											
18.0	30.1				28.0				25.8				23.3/18.4				22.4/19.3			
20.0	29.9				27.7				25.5				23.2				22.1			
22.0	29.7				27.5				25.2				22.9				20.9			
24.0	28.5	29.7			26.7	27.5/25.1			24.9				22.3				20.4			
26.0	27.2	28.3			25.9	26.9			24.5	25.2/26.3			21.8	22.3/27.1			20.0			
28.0	25.2	27.0			24.4	25.7			23.5	24.2			21.4	22.0			19.7	20.2/28.3		
30.0	23.6	25.7			23.1	24.7			22.6	23.3			21.0	21.4			19.2	19.7		
32.0	22.2	23.8			21.8	23.4			21.5	22.4			19.9	20.9			18.4	18.7		
34.0	20.9	22.1			20.6	21.8			20.4	21.6			18.9	19.7			17.7	17.8		
36.0	19.8	20.7	19.6/36.4		19.4	20.4	18.3/37.9		19.3	20.2			17.9	18.6			17.0	16.9		
38.0	18.9	19.2	18.6		18.3	19.0	18.2		18.3	18.9	17.0/39.5		17.0	17.5			16.4	16.1		
40.0	17.9	18.0	17.6		17.3	17.9	17.2		17.3	17.8	16.8		16.2	16.5	16.1/40.6		15.8	15.3		
42.0	17.2	17.2	16.7		16.6	16.9	16.3		16.5	16.7	15.9		15.4	15.6	15.6		15.2	14.7	15.0/42.1	
44.0	17.1/42.3	16.5	15.8		16.0	16.1	15.4		15.8	15.8	15.0		14.8	14.7	14.8		14.8	14.2	14.4	
46.0		16.0	15.0		15.9/45.3	15.6	14.6		15.2	14.9	14.3		14.2	13.9	14.0		14.3	13.7	13.6	
48.0		15.8/47.1	14.3			15.2	13.9		14.7	14.3	13.6		13.8	13.4	13.3		13.9	13.3	12.9	
50.0			13.7	10.3/51.0		15.0	13.3		14.7/48.2	13.9	12.9		13.5	13.1	12.7		13.6	13.1	12.3	
52.0			13.0	10.1			12.7	9.5/53.0		13.7	12.3		13.5/50.4	12.9	12.1		13.3	12.8	11.7	
54.0			12.4	9.6			12.1	9.3		13.6/53.0	11.8	8.8/54.9		12.8	11.5		13.1/53.4	12.7	11.1	
56.0			12.1/54.6	9.1			11.5	8.8			11.3	8.5		12.7/55.2	11.0	8.1/56.4		12.6	10.6	
58.0				8.7			11.1/57.5	8.4			10.7	8.1			10.5	7.8		12.4	10.2	7.4/58.3
60.0				8.2				8.0			10.2	7.7			10.1	7.4		11.8/58.2	9.7	7.1
62.0				7.8				7.6			10.1/60.5	7.3			9.6	7.1			9.3	6.7
64.0				7.5/63.5				7.2				6.9			9.4/62.7	6.7			8.9	6.4
66.0								6.8				6.6				6.4			8.6/65.7	6.1
68.0								6.8/66.5				6.3				6.1				5.8
70.0											6.0/69.4					5.8				5.5
72.0																5.6/71.7				5.3
74.0																				5.0
76.0																				4.9/74.6

■ w/54.85m Tower

Jib Length (m)	54.85				57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65
20.0	20.4/20.2				17.9/21.1							
22.0	19.6				17.6				15.7			
24.0	18.7				17.0				15.3			
26.0	18.3				16.6				14.9			
28.0	18.0	18.4/29.4			16.3				14.5			
30.0	17.7	18.1			15.9	16.5/30.5			14.1	14.4/31.7		
32.0	16.9	17.3			15.4	16.1			13.7	14.3		
34.0	16.1	16.6			14.6	15.4			13.2	13.9		
36.0	15.3	15.8			13.9	14.5			12.7	13.2		
38.0	14.6	14.9			13.3	13.8			12.3	12.5		
40.0	14.1	14.2			12.9	13.1			11.8	11.9		
42.0	13.6	13.8	14.1/43.7		12.6	12.6			11.2	11.5		
44.0	13.3	13.3	14.1		12.1	12.2	13.3/45.2		10.7	11.2		
46.0	13.0	12.9	13.4		11.6	11.9	13.0		10.2	10.9	12.4/46.7	
48.0	12.7	12.5	12.7		11.2	11.5	12.4		9.8	10.4	12.1	
50.0	12.5	12.3	12.1		10.8	11.3	11.7		9.4	9.9	11.5	
52.0	12.4	12.1	11.5		10.4	10.9	11.2		9.0	9.5	10.9	
54.0	12.3	11.9	10.9		10.1	10.6	10.6		8.7	9.2	10.4	
56.0	12.2	11.8	10.4		9.9	10.3	10.1		8.5	8.9	9.9	
58.0	12.1/56.3	11.7	10.0		9.7	10.0	9.6		8.3	8.6	9.4	
60.0		11.5	9.5	6.8/60.3	9.5/59.3	9.8	9.2		8.1	8.4	9.0	
62.0		11.4/61.1	9.1	6.5		9.7	8.8	6.2/62.3	8.0	8.2	8.6	
64.0			8.7	6.2		9.6	8.4	5.9	7.9/62.2	8.1	8.2	5.6/64.2
66.0			8.4	5.9			8.1	5.6		8.0	7.8	5.4
68.0			8.0	5.6			7.7	5.3		8.0/67.0	7.5	5.1
70.0			7.9/68.6	5.4			7.4	5.0			7.2	4.8
72.0				5.1			7.2/71.5	4.8			6.9	4.6
74.0				4.9				4.6			6.6	4.3
76.0				4.6				4.3			6.5/74.5	4.1
78.0				4.6/77.5				4.1				3.9
80.0								4.0				3.7
82.0								3.9/80.5				3.5
84.0												3.4/83.4

■ w/57.90m Tower

Jib Length (m)	27.45				30.50				33.50				36.55				39.60			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
12.0	47.8/12.5				42.2/13.4															
14.0	44.9				41.3				38.7/14.3				35.0/15.2							
16.0	41.8				38.6				36.6				34.3				27.5/16.1			
18.0	39.2	39.0/19.8			36.2				34.5				32.5				27.0			
20.0	37.0	38.8			34.3	34.8/20.9			32.7				31.1				27.0			
22.0	35.2	36.4			32.6	33.6			31.1	31.9/22.1			29.8	29.8/23.2			27.0			
24.0	33.7	34.3			31.2	31.7			29.8	30.3			27.5	29.0			25.5	27.5/24.3		
26.0	32.5	32.6			30.0	30.1			28.7	28.8			25.5	27.7			23.6	26.4		
28.0	31.5	31.0			29.0	28.8			27.7	27.5			23.7	25.9			22.0	25.2		
30.0	29.5	29.0	23.8/31.1		28.2	27.6			26.9	26.4			22.1	23.9			20.5	23.9		
32.0	28.8/30.6	27.2	23.0		27.5	26.6	22.1/32.6		26.3	25.5			20.7	22.3			19.2	22.3		
34.0		25.6	21.6		25.8/33.6	25.1	21.1		25.8	24.7	20.9/34.2		19.4	20.8	19.6/35.7		18.4	20.8		
36.0		24.5/35.7	20.3			23.7	19.8		23.9	23.5	19.7		18.2	19.4	19.4		17.7	19.4	18.4/37.2	
38.0			19.2			22.5	18.7		23.5/36.5	22.3	18.6		17.3	18.2	18.3		17.1	18.2	17.9	
40.0			18.1			22.2/38.6	17.7			21.1	17.6		17.1/39.5	17.1	17.3		16.5	17.1	16.9	
42.0			17.2				16.8			20.4/41.6	16.7			16.4	16.4		15.9	16.3	16.0	
44.0			16.6/43.6	12.7/44.4			16.0				15.9			16.0	15.6		15.8/42.4	15.5	15.2	
46.0				12.1			15.3	11.7/46.4			15.1			15.9/44.5	14.8			15.1	14.4	
48.0				11.5			15.1/46.5	11.1			14.4	10.9/48.4			14.1			15.0/47.5	13.7	
50.0				10.9				10.6			13.9/49.5	10.5			13.5	10.2/50.3			13.1	
52.0				10.3				10.0				10.0			12.8	9.7			12.5	9.3/52.3
54.0				10.0/53.0				9.5				9.5			12.7/52.4	9.3			12.0	8.9
56.0								9.0				9.0				8.8			11.6/55.4	8.5
58.0												8.5				8.4				8.1
60.0											8.3/58.9					7.9				7.7
62.0																7.6/61.9				7.3
64.0																				7.0
66.0																				6.8/64.8

■ w/57.90m Tower

Jib Length (m)	42.65				45.70				48.75				51.80				54.85			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
16.0	26.2/17.0				24.9/17.8															
18.0	26.2				24.9				22.6/18.5				21.3/19.4							
20.0	26.1				24.6				22.5				21.0				19.5/20.3			
22.0	25.9				24.3				22.2				20.0				18.7			
24.0	24.7	25.5/25.5			24.0				21.9				19.7				18.1			
26.0	23.5	25.2			23.4	23.6/26.6			21.5	21.7/27.5			19.4				17.8			
28.0	21.9	24.0			21.9	22.7			20.5	21.5			19.1	19.6/28.6			17.6	17.9/29.8		
30.0	20.4	23.0			20.4	21.8			19.5	20.6			18.8	19.6			17.3	17.8		
32.0	19.1	22.0			19.1	20.9			18.6	19.8			18.1	18.6			16.7	17.1		
34.0	18.0	20.5			17.9	20.1			17.7	18.9			17.5	17.7			16.1	16.5		
36.0	17.2	19.2			16.9	18.9			16.7	17.9			16.6	16.8			15.3	15.7		
38.0	16.4	18.0	17.2/38.7		15.9	17.8			15.8	16.9			15.7	16.0			14.4	14.8		
40.0	15.8	16.9	16.5		15.1	16.8	16.0/40.3		14.8	16.0	15.1/41.4		15.0	15.1			13.7	14.1		
42.0	15.1	15.9	15.6		14.4	15.8	15.2		14.0	15.0	14.9		14.2	14.3	14.1/42.9		13.2	13.4		
44.0	14.7	15.1	14.8		13.9	14.9	14.4		13.4	14.2	14.1		13.6	13.6	13.7		12.7	12.7	13.3/44.5	
46.0	14.6/45.4	14.5	14.0		13.7	14.1	13.7		12.9	13.4	13.4		13.1	13.1	13.0		12.4	12.1	12.8	
48.0		14.1	13.4		13.5	13.4	13.0		12.6	12.7	12.7		12.9	12.6	12.4		12.1	11.7	12.2	
50.0		13.9	12.7		13.4/48.3	13.0	12.4		12.5	12.2	12.1		12.6	12.2	11.7		11.8	11.4	11.5	
52.0		13.8/50.4	12.1			12.7	11.8		12.4/50.5	11.9	11.5		12.3	12.0	11.2		11.6	11.2	11.0	
54.0			11.6	8.6/54.2		12.6/53.3	11.3			11.8	11.0		12.2/53.5	11.8	10.6		11.5	11.0	10.4	
56.0			11.1	8.1			10.8	7.8/56.2		11.7/55.6	10.5	7.2/57.7		11.7	10.1		11.4	10.8	10.0	
58.0			10.6	7.7			10.3	7.4			10.0	7.1		11.6	9.7	6.5/59.6	11.3/56.4	10.8	9.5	
60.0			10.6/58.3	7.4			9.9	7.0			9.6	6.8		11.5/58.5	9.3	6.4		10.7	9.1	5.9/61.6
62.0				7.0			9.6/61.3	6.7			9.2	6.4			8.9	6.1		10.6/61.5	8.7	5.9
64.0				6.7				6.4			9.0/63.5	6.1			8.5	5.8			8.3	5.6
66.0				6.4				6.1				5.8			8.2	5.5			8.0	5.3
68.0				6.1/67.8				5.8				5.6			8.1/66.4	5.2			7.6	5.1
70.0								5.5				5.3				5.0			7.4/69.4	4.8
72.0							5.4/70.7					5.1				4.7				4.6
74.0												5.0/72.9				4.5				4.3
76.0																4.3/75.9				4.1
78.0																				3.9
80.0																				3.9/78.8

■w/57.90m Tower

Jib Length (m)	57.90				60.95			
Tower Angle (°)	88	83	75	65	88	83	75	65
Working radius(m)								
20.0	17.7/21.2							
22.0	17.4				15.6/22.1			
24.0	16.9				15.0			
26.0	16.4				14.7			
28.0	16.1				14.3			
30.0	15.7	16.3/30.9			13.9			
32.0	15.3	15.9			13.6	14.2/32.1		
34.0	14.6	15.4			13.2	13.8		
36.0	13.9	14.5			12.6	13.2		
38.0	13.3	13.8			12.0	12.5		
40.0	12.7	13.2			11.5	11.9		
42.0	12.1	12.6			11.0	11.4		
44.0	11.6	12.0			10.7	10.9		
46.0	11.2	11.5	12.4		10.2	10.4	11.6/47.5	
48.0	11.0	11.0	11.8		9.8	10.0	11.5	
50.0	10.8	10.7	11.2		9.4	9.7	10.9	
52.0	10.4	10.4	10.6		9.0	9.5	10.4	
54.0	10.1	10.1	10.1		8.7	9.2	9.9	
56.0	9.9	10.0	9.6		8.5	8.9	9.4	
58.0	9.7	9.8	9.2		8.3	8.6	8.9	
60.0	9.6/59.4	9.8	8.7		8.1	8.4	8.5	
62.0		9.7	8.3	5.3/63.6	8.0	8.2	8.1	
64.0		9.6	8.0	5.3	8.0/62.3	8.1	7.7	4.7/65.5
66.0		9.6/64.4	7.6	5.0		7.9	7.4	4.7
68.0			7.3	4.7		7.8/67.4	7.1	4.5
70.0			7.0	4.5			6.8	4.2
72.0			6.7	4.2			6.5	4.0
74.0			6.7/72.3	4.0			6.2	3.8
76.0				3.8			6.1/75.3	3.6
78.0				3.6				3.4
80.0				3.4				3.2
82.0				3.3/81.8				3.0
84.0								2.9
86.0								2.8/84.7

■w/60.95m Tower

Jib Length (m)	30.50				33.50				36.55				39.60				42.65			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)																				
12.0	39.3/13.5																			
14.0	38.7				37.1/14.4				35.5/15.3											
16.0	35.8				35.1				34.7				29.7/16.2				25.8/17.1			
18.0	33.4				32.9				32.5				29.7				25.8			
20.0	31.4	32.1/21.3			31.0				30.7				28.6				25.0			
22.0	29.6	31.4			29.4	30.3/22.4			29.0	28.9/23.6			26.1				23.8			
24.0	28.1	29.4			28.0	28.8			27.6	28.6			24.2	24.0/24.7			22.3	23.0/25.9		
26.0	26.7	27.7			26.8	27.3			26.4	27.0			22.4	24.0			20.7	22.9		
28.0	25.6	26.3			25.7	25.9			25.3	25.6			20.7	22.2			19.1	22.1		
30.0	24.5	25.0			24.9	24.8			24.4	24.5			19.3	20.6			17.9	20.5		
32.0	23.7	24.0	21.0/33.4		24.1	23.8			23.6	23.4			18.1	19.2			16.9	19.1		
34.0	23.3/33.7	23.1	20.6		23.5	22.9	19.6/35.0		22.9	22.5			17.2	17.9			16.1	17.8		
36.0		22.4	19.4		23.1	22.2	19.0		22.4	21.7	18.3/36.5		16.4	16.8			15.3	16.7		
38.0		21.6	18.3		23.0/36.6	21.6	17.9		21.9	21.1	17.6		15.6	15.7	17.1		14.8	15.6	16.1/39.5	
40.0		21.1/39.0	17.3			20.7	16.9		21.5/39.6	20.3	16.6		15.0	14.9	16.2		14.1	14.6	15.8	
42.0			16.4			19.8/41.9	16.0			19.3	15.7		14.6	14.4	15.3		13.8	13.9	14.9	
44.0			15.6				15.2			18.4	14.9		14.5/42.5	13.9	14.5		13.5	13.3	14.2	
46.0			14.1	9.7/47.7			14.5			18.1/44.9	14.2			13.6	13.8		13.4/45.5	12.9	13.4	
48.0			13.7/47.3	9.7			13.3	9.2/49.7			13.5			13.4/47.8	13.1			12.6	12.8	
50.0				9.2			12.8	9.1			12.4	8.5/51.6			12.5			12.3	12.2	
52.0				8.8			12.7/50.3	8.7			11.9	8.4			11.7	8.0/53.6		12.2/50.8	11.6	
54.0				8.4				8.3			11.6/53.2	8.0			11.2	7.9			10.8	7.3/55.5
56.0				8.0				7.9				7.6			10.8	7.5			10.4	7.1
58.0				7.7/57.3				7.5				7.2			10.7/56.2	7.1			10.0	6.8
60.0								7.2				6.9				6.8			9.7/59.1	6.4
62.0								7.1/60.2				6.6				6.5				6.1
64.0												6.4/63.2				6.2				5.8
66.0																6.0				5.6
68.0																5.9/66.1				5.3
70.0																				5.1/69.0

■w/60.95m Tower

Jib Length (m)	45.70				48.75				51.80				54.85				57.90			
Tower Angle (°)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
Working radius(m)	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65	88	83	75	65
18.0	24.0				21.9/18.6				19.7/19.5											
20.0	23.7				21.7				19.7				18.0/20.4				16.3/21.3			
22.0	23.4				21.4				19.4				17.8				16.2			
24.0	22.2				20.7				19.1				17.5				16.0			
26.0	20.6	22.0/27.0			19.6	20.5/27.9			18.8				17.3				15.8			
28.0	19.1	22.0			18.4	20.4			17.8	18.9/29.0			16.7				15.6			
30.0	17.8	20.5			17.2	19.6			16.7	18.9			16.0	17.7/30.1			15.4	16.6/31.3		
32.0	16.7	19.1			16.2	18.4			15.7	17.8			15.0	16.9			14.5	15.5		
34.0	15.7	17.8			15.1	17.2			14.7	16.7			14.2	16.2			13.7	15.2		
36.0	14.9	16.7			14.2	16.2			13.9	15.7			13.4	15.2			13.0	14.8		
38.0	14.2	15.6			13.5	15.1			13.1	14.7			12.7	14.3			12.4	14.0		
40.0	13.7	14.6	15.0/41.0		13.1	14.2			12.4	13.9			12.1	13.6			11.8	13.3		
42.0	13.3	13.8	14.6		12.7	13.4	14.1/42.2		12.0	13.1	13.1/43.7		11.5	12.9			11.2	12.7		
44.0	13.0	13.1	13.8		12.4	12.7	13.5		11.7	12.4	13.1		11.1	12.3	12.4/45.2		10.7	12.2		
46.0	12.8	12.6	13.1		12.1	12.1	12.8		11.4	11.7	12.4		10.8	11.7	12.2		10.2	11.7	11.5/46.8	
48.0	12.6	12.2	12.4		11.9	11.7	12.1		11.1	11.1	11.8		10.5	11.1	11.6		9.8	11.1	11.2	
50.0	12.5/48.4	12.0	11.8		11.7	11.3	11.5		10.9	10.8	11.2		10.3	10.6	11.0		9.6	10.6	10.6	
52.0		11.9	11.2		11.6/50.7	11.1	11.0		10.8	10.6	10.6		10.1	10.2	10.4		9.4	10.2	10.1	
54.0		11.8/53.7	10.7			10.9	10.5		10.7/53.6	10.3	10.1		10.0	10.1	9.9		9.3	9.8	9.6	
56.0			10.2	6.7/57.5		10.8	10.0			10.2	9.6		9.9	9.9	9.4		9.2	9.5	9.1	
58.0			9.8	6.7			9.5	6.3/59.0		9.9	9.2		9.9/56.5	9.8	9.0		9.1	9.3	8.7	
60.0			9.4	6.4			9.1	6.1		9.8/58.9	8.8	5.6/60.9		9.7	8.6		9.0/59.5	9.1	8.3	
62.0			9.1	6.0			8.7	5.8			8.4	5.4		9.6/61.8	8.2	5.1/62.9		9.0	7.9	
64.0				5.7			8.4	5.5			8.0	5.2			7.8	5.0		8.8	7.5	4.5/64.8
66.0				5.5			8.4/64.3	5.2			7.7	4.9			7.5	4.7		8.8/64.8	7.2	4.4
68.0				5.2				5.0			7.6/67.2	4.6			7.2	4.4			6.9	4.1
70.0				5.0				4.7				4.4			6.9	4.2			6.6	3.9
72.0				4.7				4.5				4.2			6.9/70.2	4.0			6.3	3.7
74.0								4.3				3.9				3.8			6.2/73.1	3.5
76.0								4.2/74.2				3.7				3.6				3.3
78.0												3.6/77.2				3.4				3.1
80.0																3.2				2.9
82.0																3.2/80.1				2.7
84.0																				2.7/83.1

■w/60.95m Tower

Jib Length (m)	60.95			
Tower Angle (°)	88	83	75	65
Working radius(m)	88	83	75	65
22.0	15.3/22.2			
24.0	14.9			
26.0	14.4			
28.0	13.9			
30.0	13.5			
32.0	13.2	13.9/32.4		
34.0	12.9	13.6		
36.0	12.6	13.2		
38.0	12.4	12.9		
40.0	11.8	12.6		
42.0	11.2	12.3		
44.0	10.7	12.0		
46.0	10.2	11.6		
48.0	9.8	11.1	10.8/48.3	
50.0	9.4	10.6	10.4	
52.0	9.0	10.1	9.8	
54.0	8.7	9.7	9.3	
56.0	8.5	9.3	8.9	
58.0	8.2	9.0	8.4	
60.0	8.2	8.7	8.0	
62.0	8.0	8.4	7.6	
64.0	8.0/62.4	8.3	7.3	
66.0		8.2	6.9	4.0/66.8
68.0		8.0/67.7	6.6	3.9
70.0			6.3	3.6
72.0			6.1	3.4
74.0			5.8	3.2
76.0			5.6	3.0
78.0			5.6/76.1	2.8
80.0				2.7
82.0				2.5
84.0				2.3
86.0				2.2

Notes — Luffing jib crane capacities

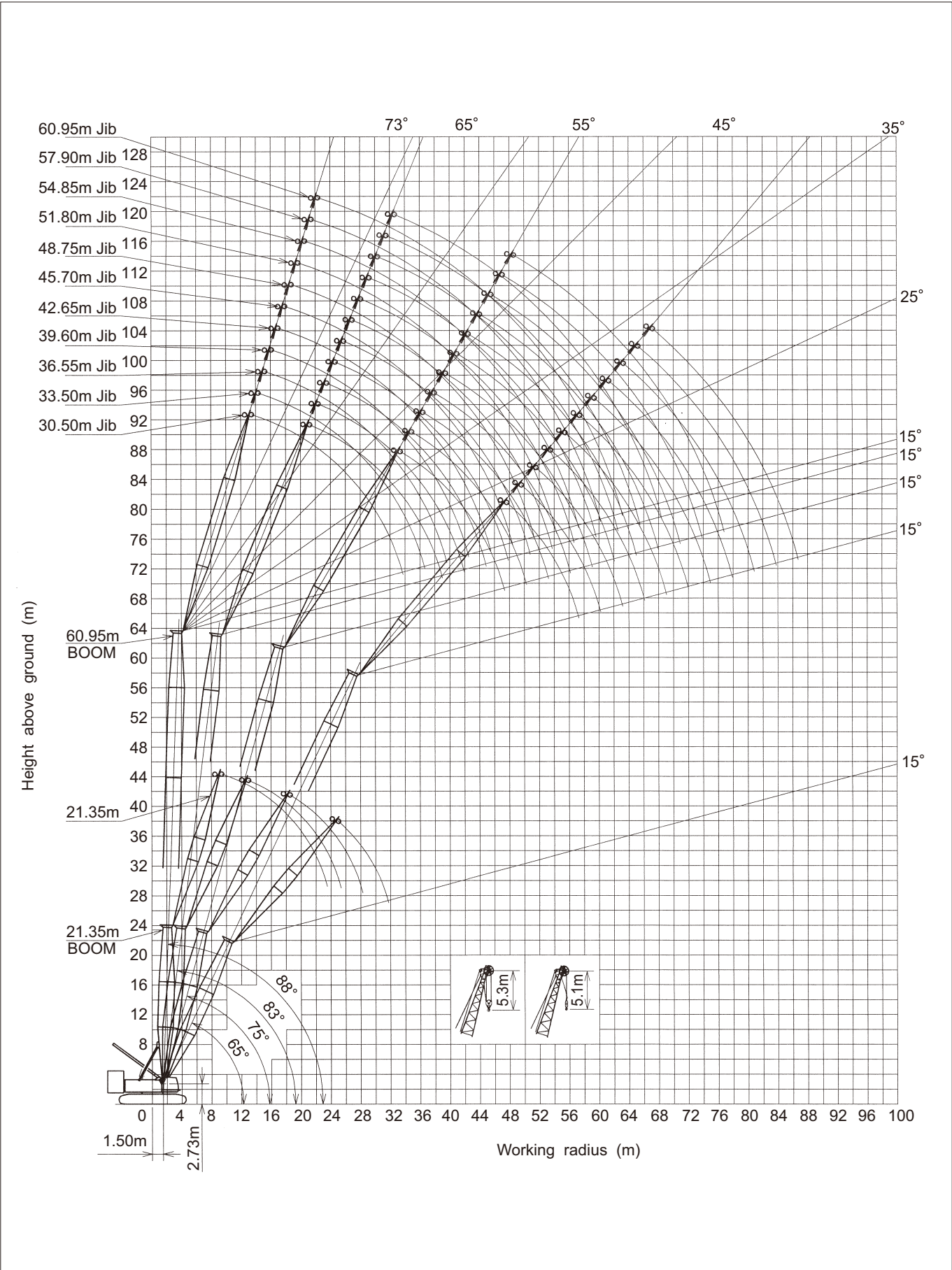
1. Capacities included in these charts are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tons, and are rated in accordance with European EN13000 Standards in terms of machine stability and structural strength limitations; the figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.

Hook block weight is as follows:

80t 1.4ton 35t 0.9ton 13.5t 0.62ton

4. All capacities are rated for 360° slewing.
5. Least stable rated condition is over the side.
6. An 102.8ton counterweight and 18.0ton lower weight are required for all capacities on these charts.
7. Attachment must be erected and lowered over the ends of the crawler mounting.
8. Working radii shown above are at loading condition.
9. The machine can be steplessly operated at tower angle between 88 and 65 degrees safely; luffing jib crane capacities available under any tower angle are automatically set up by the Load Moment Indicator, a computerized automatic over-load preventing system.
10. The machine shall be operated in accordance with manufacture's standard tower boom and jib combination shown in page 26 here.
11. A simultaneous lift under luffing jib hook and tower boom top crane hook is not allowed.

Luffing Jib Working Ranges



Tower Boom & Jib Combination Table

■ Tower Boom Configuration

Boom length (m)	Tower boom configuration
21.35m	
24.40m	★
27.45m	
30.50m	★
33.50m	
36.55m	★
39.60m	
42.65m	★
45.70m	
48.75m	★
51.80m	
54.85m	★
57.90m	
60.95m	★

Note:

The meaning of figures and symbols shown above is as follows:

- : 7.62m heavy-duty base section
- : 7.30m heavy-duty top section
plus 0.32m head section
- : 12.20m HD tower boom extension
- : 12.20m ultra HD tower boom extension
- : 6.10m ultra HD tower boom extension
- : 3.05m ultra HD tower boom extension

■ Jib Configuration

Jib length (m)	Jib boom configuration
21.35m	★
24.40m	
27.45m	★
30.50m	
33.50m	★
36.55m	
39.60m	★
42.65m	
45.70m	★
48.75m	
51.80m	★
54.85m	
57.90m	★
60.95m	★

Note:

The meaning of figures and symbols shown above is as follows:

- : 9.15m jib bottom section
- : 9.15m jib top section
- : 12.20m HD jib extension
- : 9.15m jib extension
- : 6.10m jib extension
- : 3.05m jib extension
- ★ : Midpoint suspension cable installing position; it is required to install it when jib length is 51.80m and over.

Remarks:

A star mark (★) indicates manufacturer's recommended boom configuration in a consideration that it is able to set boom length in the pitch of 3.05 meters from its maximum length; other boom configuration with no star mark (★) is not able to do such an arrangement of boom length.

■ Combination Table

Jib length (m) Tower length (m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
21.35	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
24.40	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
27.45	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
30.50	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
33.50	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
36.55	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
39.60	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
42.65	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
45.70	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
48.75	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
51.80	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
54.85	×	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
57.90	×	×	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
60.95	×	×	×	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

Notes:

The meaning of symbols shown in the above table is as follows;

1. Symbol of “⊙” : Possible to luff tower between 88° thru 65°;
2. Symbol of “×” : Impossible to make tower boom and jib combination.

Tower Boom Top Crane Capacities - 80 metric tons

■w/21.35m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
5.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
6.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
6.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
8.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
9.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
11.0	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9	80.0/10.9

■w/24.40m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
5.5	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9	80.0/5.9
6.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
6.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
8.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
9.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
11.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6	77.6	77.6
12.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	76.4	74.3	72.6
13.0	80.0/12.2	80.0/12.2	80.0/12.2	80.0/12.2	80.0/12.2	80.0/12.2	80.0/12.2	80.0/12.2	80.0/12.2	80.0/12.2	80.0/12.2	76.1/12.2	73.7/12.2	71.5/12.2

■w/27.45m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
6.0	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4	80.0/6.4
6.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
8.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
9.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
11.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6	77.6	77.6	77.6
12.0	80.0	80.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	76.7	75.4	73.5	71.8
13.0	80.0	80.0	77.5	76.5	75.6	74.3	73.5	71.8	71.1	69.7	67.9	66.6	64.7	63.1
14.0	80.0/13.5	80.0/13.5	77.4/13.5	75.9/13.5	74.6/13.5	72.7/13.5	71.4/13.5	68.9/13.5	67.8/13.5	65.7/13.5	63.4/13.5	62.1/13.5	60.4/13.5	58.7/13.5

■w/30.50m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
6.5	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8	80.0/6.8
7.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
8.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
9.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
11.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6	77.6	77.6	77.6	77.6
12.0	80.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	76.7	74.9	73.7	71.8	70.3
13.0	77.6	76.6	75.3	74.4	73.7	72.4	71.7	70.2	69.4	68.1	66.4	65.2	63.5	61.9
14.0	70.2	69.2	67.9	67.1	66.3	65.1	64.4	62.8	62.1	60.9	59.2	58.1	56.3	54.9
15.0	64.7/14.8	63.9/14.8	62.7/14.8	61.9/14.8	61.2/14.8	60.1/14.8	59.3/14.8	57.8/14.8	57.1/14.8	55.8/14.8	54.2/14.8	53.1/14.8	51.5/14.8	49.9/14.8

■w/33.50m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
7.0	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3	80.0/7.3
7.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
8.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
9.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
11.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6
12.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.1	76.4	75.1	73.4	72.2	70.5	69.0
13.0	75.8	74.8	73.6	72.7	72.0	70.9	70.2	68.7	68.0	66.9	65.1	64.1	62.4	60.9
14.0	68.6	67.7	66.4	65.6	64.9	63.8	63.1	61.6	61.1	59.8	58.2	57.1	55.4	54.1
15.0	62.4	61.4	60.3	59.5	58.8	57.7	57.0	55.6	54.9	53.8	52.2	51.2	49.6	48.2
16.0	57.1	56.1	54.9	54.2	53.5	52.4	51.7	50.4	49.7	48.5	47.0	46.0	44.5	43.1
18.0	56.5/16.1	55.5/16.1	54.4/16.1	53.6/16.1	52.9/16.1	51.8/16.1	51.2/16.1	49.8/16.1	49.1/16.1	48.0/16.1	46.4/16.1	45.4/16.1	43.9/16.1	42.5/16.1

■w/36.55m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
7.5	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7	80.0/7.7
8.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
9.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6
11.0	80.0	80.0	80.0	80.0	80.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	76.7
12.0	77.6	77.6	77.6	77.6	77.6	77.1	76.5	75.0	74.4	73.3	71.6	70.5	68.8	67.4
13.0	73.8	72.8	71.5	70.8	70.1	69.0	68.4	67.0	66.4	65.2	63.6	62.5	61.0	59.5
14.0	66.8	65.8	64.6	63.9	63.2	62.1	61.5	60.1	59.6	58.4	56.9	55.8	54.3	52.9
15.0	60.8	59.8	58.6	58.0	57.3	56.2	55.6	54.3	53.7	52.5	51.1	50.0	48.5	47.2
16.0	55.5	54.7	53.5	52.7	52.1	51.1	50.5	49.1	48.5	47.5	46.0	45.0	43.5	42.2
18.0	48.2/17.4	47.4/17.4	46.2/17.4	45.3/17.4	44.9/17.4	43.8/17.4	43.2/17.4	41.9/17.4	41.3/17.4	40.4/17.4	38.9/17.4	37.9/17.4	36.5/17.4	35.3/17.4

■w/39.60m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
8.0	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2	80.0/8.2
9.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6	77.6
11.0	80.0	80.0	80.0	80.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	76.4	74.9
12.0	77.6	77.6	77.6	77.6	77.1	76.0	75.5	74.2	72.8	71.6	70.0	68.9	67.4	66.0
13.0	72.4	71.5	71.0	69.8	69.2	68.1	67.7	66.4	65.0	63.9	62.3	61.4	59.7	58.4
14.0	65.7	64.7	64.2	63.0	62.5	61.4	61.1	59.7	58.4	57.3	55.8	54.8	53.3	51.9
15.0	59.8	58.9	58.3	57.3	56.7	55.7	55.2	54.0	52.7	51.6	50.1	49.1	47.7	46.4
16.0	54.8	53.9	53.3	52.1	51.7	50.7	50.2	48.9	47.7	46.6	45.2	44.3	42.8	41.6
18.0	46.3	45.4	44.9	43.8	43.3	42.3	41.9	40.7	39.4	38.4	37.0	36.1	34.8	33.5
20.0	43.3/18.7	42.4/18.7	41.9/18.7	40.8/18.7	40.3/18.7	39.3/18.7	38.8/18.7	37.8/18.7	36.5/18.7	35.5/18.7	34.1/18.7	33.2/18.7	31.9/18.7	30.6/18.7

■w/42.65m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
8.0	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6	80.0/8.6
9.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6	77.6	77.6	77.6
11.0	80.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.1	76.0	74.3	73.0
12.0	77.6	77.3	76.7	75.5	74.9	74.0	73.6	72.2	70.9	69.8	68.2	67.2	65.6	64.3
13.0	70.5	69.6	69.0	67.9	67.4	66.4	65.9	64.6	63.4	62.2	60.8	59.8	58.2	57.0
14.0	63.9	63.0	62.5	61.4	60.9	59.9	59.4	58.2	56.9	55.8	54.4	53.4	51.9	50.7
15.0	58.2	57.4	56.8	55.7	55.2	54.3	53.9	52.6	51.4	50.3	48.9	48.0	46.5	45.2
16.0	53.3	52.4	51.9	50.8	50.3	49.3	48.9	47.8	46.5	45.4	44.1	43.2	41.8	40.6
18.0	45.0	44.2	43.7	42.6	42.1	41.3	40.8	39.6	38.5	37.5	36.1	35.3	33.9	32.7
20.0	38.8/19.9	38.0/19.9	37.5/19.9	36.4/19.9	35.9/19.9	35.1/19.9	34.6/19.9	33.5/19.9	32.3/19.9	31.4/19.9	30.1/19.9	29.2/19.9	27.9/19.9	26.8/19.9

■w/45.70m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
9.0	80.0/9.1	80.0/9.1	80.0/9.1	80.0/9.1	80.0/9.1	80.0/9.1	80.0/9.1	80.0/9.1	80.0/9.1	77.6/9.1	77.6/9.1	77.6/9.1	77.6/9.1	77.6/9.1
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6	77.6	77.6	77.6	77.6
11.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	76.7	75.1	74.1	72.5	71.1
12.0	76.2	75.3	74.7	73.6	73.1	72.1	71.7	70.5	69.2	68.0	66.6	65.6	64.1	62.8
13.0	68.7	67.9	67.4	66.2	65.7	64.7	64.5	63.2	61.9	60.9	59.4	58.4	57.0	55.7
14.0	62.3	61.4	61.0	59.9	59.4	58.5	58.2	56.9	55.6	54.6	53.2	52.2	50.9	49.6
15.0	56.8	56.0	55.5	54.4	54.0	53.0	52.6	51.5	50.2	49.2	47.9	46.9	45.5	44.4
16.0	52.0	51.2	50.7	49.6	49.1	48.3	47.9	46.7	45.5	44.5	43.2	42.2	40.9	39.7
18.0	44.0	43.1	42.6	41.7	41.2	40.3	39.9	38.8	37.6	36.7	35.4	34.5	33.2	32.1
20.0	37.5	36.7	36.3	35.3	34.8	34.0	33.6	32.4	31.4	30.4	29.1	28.4	27.0	25.9
22.0	33.5/21.2	32.8/21.2	32.5/21.2	31.4/21.2	30.9/21.2	30.2/21.2	29.8/21.2	28.7/21.2	27.6/21.2	26.6/21.2	25.4/21.2	24.7/21.2	23.2/21.2	22.3/21.2

■w/48.75m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
9.0	80.0/9.5	80.0/9.5	80.0/9.5	80.0/9.5	80.0/9.5	80.0/9.5	80.0/9.5	80.0/9.5	80.0/9.5	80.0/9.5	77.6/9.5	77.6/9.5	76.6/9.5	75.4/9.5
10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	76.7	75.8	74.5	73.4
11.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	76.5	75.4	74.4	73.0	72.0	70.5	69.2
12.0	74.1	73.2	72.7	71.5	71.1	70.2	69.8	68.5	67.3	66.2	64.7	63.8	62.3	61.1
13.0	66.9	66.0	65.5	64.4	64.0	63.0	62.7	61.4	60.2	59.2	57.8	56.9	55.4	54.2
14.0	60.7	59.8	59.3	58.2	57.9	56.9	56.6	55.4	54.2	53.2	51.7	50.9	49.5	48.4
15.0	55.2	54.5	54.0	52.9	52.5	51.6	51.3	50.1	48.9	48.0	46.6	45.6	44.4	43.2
16.0	50.6	49.7	49.3	48.3	47.9	46.9	46.6	45.4	44.3	43.3	42.0	41.2	39.8	38.7
18.0	42.7	42.0	41.5	40.4	40.0	39.1	38.8	37.7	36.6	35.6	34.4	33.6	32.3	31.2
20.0	36.4	35.6	35.2	34.2	33.8	32.9	32.6	31.6	30.4	29.5	28.3	27.5	26.2	25.2
22.0	31.3	30.5	30.0	29.1	28.7	27.9	27.5	26.4	25.4	24.5	23.3	22.6	21.3	20.3
24.0	29.9/22.5	29.1/22.5	28.7/22.5	27.7/22.5	27.3/22.5	26.6/22.5	26.1/22.5	25.1/22.5	24.1/22.5	23.2/22.5	22.1/22.5	21.3/22.5	20.0/22.5	19.1/22.5

■w/51.80m Tower

Jib length(m) Working radius(m)	21.35	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
10.0	78.1	77.3	77.0	76.0	75.7	74.9	74.8	73.8	72.7	71.8	70.6	69.7	68.4	67.3
11.0	75.0	74.2	73.9	72.9	72.6	71.8	71.7	70.6	69.6	68.6	67.4	66.5	65.3	64.1
12.0	69.9	69.1	68.8	67.8	67.6	66.8	66.7	65.6	64.6	63.7	62.5	61.6	60.4	59.2
13.0	65.6	64.7	64.4	63.2	62.8	61.9	61.6	60.5	59.2	58.2	56.9	55.9	54.6	53.4
14.0	59.6	58.7	58.3	57.3	56.9	56.0	55.7	54.6	53.3	52.3	51.0	50.1	48.7	47.6
15.0	54.4	53.6	53.1	52.0	51.7	50.8	50.5	49.4	48.3	47.3	45.9	45.1	43.8	42.6
16.0	49.8	48.9	48.5	47.5	47.1	46.3	45.9	44.9	43.7	42.8	41.5	40.7	39.3	38.3
18.0	42.0	41.3	40.9	39.9	39.5	38.7	38.4	37.3	36.2	35.3	34.1	33.2	32.0	30.9
20.0	35.9	35.2	34.8	33.8	33.4	32.5	32.3	31.2	30.1	29.2	28.1	27.3	26.0	25.1
22.0	30.9	30.1	29.7	28.8	28.4	27.6	27.3	26.2	25.2	24.3	23.1	22.5	21.2	20.2
24.0	27.0/23.8	26.3/23.8	25.8/23.8	25.0/23.8	24.6/23.8	23.8/23.8	23.5/23.8	22.5/23.8	21.5/23.8	20.6/23.8	19.4/23.8	18.8/23.8	17.6/23.8	16.6/23.8

■w/54.85m Tower

Jib length(m) Working radius(m)	24.40	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
10.0	69.2/10.4	68.9/10.4	68.0/10.4	67.9/10.4	67.1/10.4	66.2/10.4	65.2/10.4	64.1/10.4	63.2/10.4	62.0/10.4	61.2/10.4	59.9/10.4	58.8/10.4
11.0	67.4	67.1	66.2	66.1	65.3	64.4	63.4	62.3	61.4	60.2	59.4	58.1	57.0
12.0	64.7	64.5	63.5	63.4	62.7	61.7	60.7	59.6	58.7	57.5	56.7	55.4	54.3
13.0	60.3	60.1	59.2	59.0	58.3	57.4	56.4	55.3	54.5	53.3	52.5	51.3	50.1
14.0	57.7	57.4	56.3	56.0	55.2	54.2	53.1	51.9	51.0	49.6	48.7	47.5	46.3
15.0	52.6	52.2	51.3	51.0	50.2	49.1	48.1	46.9	45.9	44.7	43.9	42.5	41.5
16.0	48.2	47.8	46.8	46.5	45.7	44.8	43.7	42.5	41.6	40.4	39.5	38.3	37.2
18.0	40.6	40.3	39.3	39.0	38.3	37.3	36.2	35.2	34.3	33.0	32.3	31.1	30.0
20.0	34.6	34.2	33.3	33.0	32.3	31.3	30.3	29.2	28.4	27.2	26.4	25.3	24.3
22.0	29.6	29.2	28.4	28.1	27.3	26.4	25.4	24.4	23.5	22.4	21.7	20.5	19.5
24.0	25.5	25.1	24.2	23.9	23.2	22.3	21.3	20.3	19.4	18.4	17.6	16.5	15.6
26.0	23.1/25.1	22.7/25.1	21.9/25.1	21.6/25.1	20.9/25.1	19.9/25.1	19.0/25.1	18.0/25.1	17.1/25.1	16.1/25.1	15.3/25.1	14.3/25.1	13.3/25.1

■w/57.90m Tower

Jib length(m) Working radius(m)	27.45	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
10.0	60.6/10.9	59.7/10.9	59.6/10.9	58.9/10.9	58.0/10.9	57.0/10.9	55.9/10.9	55.1/10.9	53.9/10.9	53.1/10.9	51.9/10.9	50.8/10.9
11.0	60.1	59.2	59.1	58.4	57.5	56.5	55.5	54.6	53.4	52.6	51.4	50.3
12.0	57.8	56.9	56.8	56.0	55.1	54.1	53.1	52.2	51.0	50.2	49.0	47.9
13.0	55.5	54.6	54.5	53.8	52.9	51.9	50.8	49.9	48.8	47.9	46.7	45.6
14.0	53.5	52.5	52.4	51.7	50.8	49.7	48.7	47.8	46.6	45.8	44.6	43.5
15.0	49.9	49.0	48.8	48.2	47.3	46.3	45.2	44.4	43.3	42.4	41.3	40.2
16.0	46.8	45.9	45.6	44.9	43.9	42.8	41.8	40.8	39.6	38.8	37.6	36.5
18.0	39.5	38.6	38.4	37.6	36.6	35.5	34.5	33.6	32.4	31.7	30.5	29.4
20.0	33.6	32.6	32.4	31.7	30.7	29.7	28.7	27.9	26.7	25.9	24.8	23.8
22.0	28.7	27.8	27.5	26.8	25.9	24.9	23.9	23.0	22.0	21.2	20.1	19.2
24.0	24.6	23.7	23.4	22.7	21.9	20.9	19.9	19.1	18.0	17.3	16.2	15.3
26.0	21.1	20.2	20.0	19.3	18.4	17.5	16.5	15.7	14.7	13.9	12.9	12.0
28.0	20.3/26.4	19.4/26.4	19.4/26.4	18.5/26.4	17.6/26.4	16.8/26.4	15.9/26.4	15.0/26.4	14.0/26.4	13.2/26.4	12.2/26.4	11.3/26.4

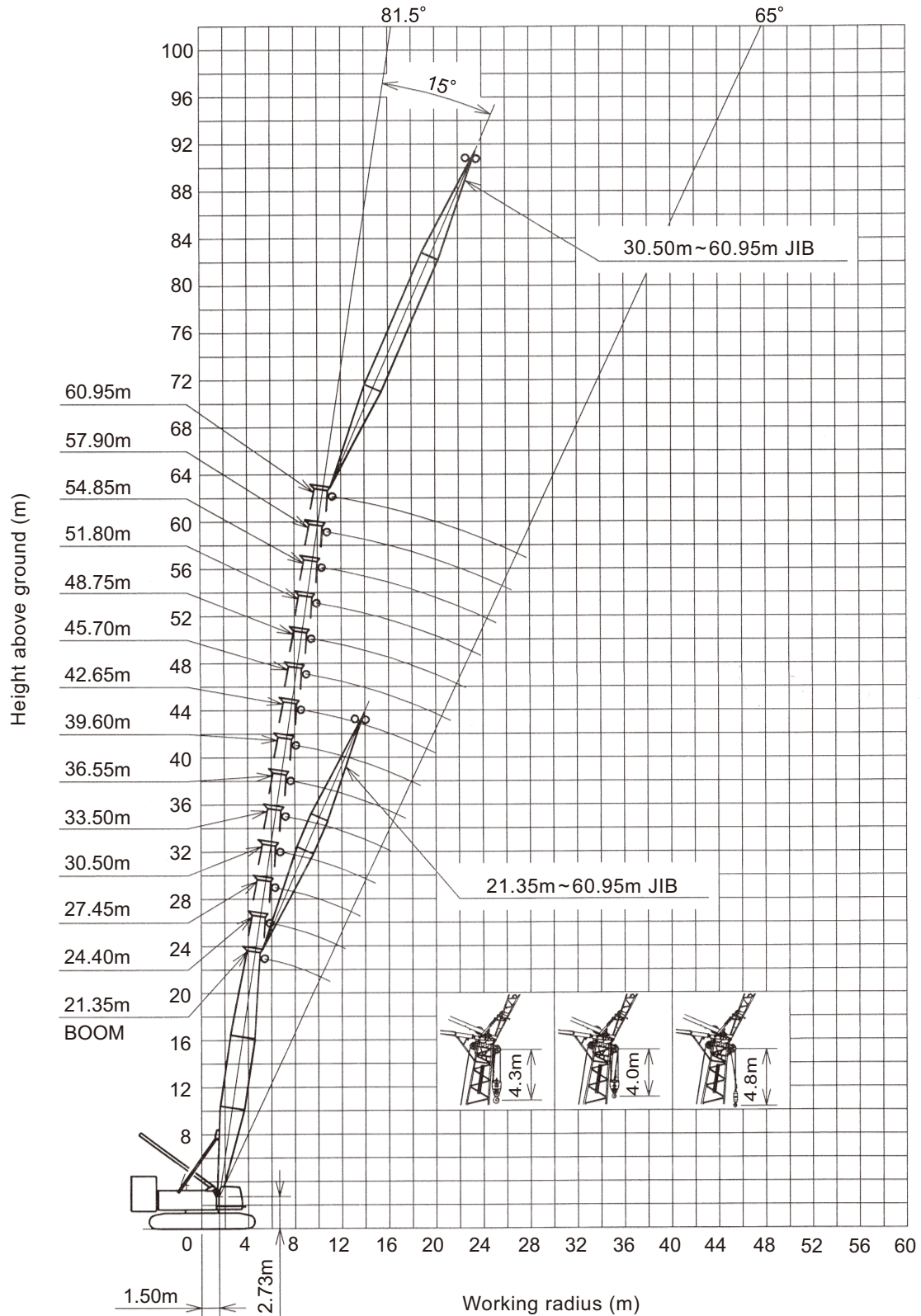
■w/60.95m Tower

Jib length(m) Working radius(m)	30.50	33.50	36.55	39.60	42.65	45.70	48.75	51.80	54.85	57.90	60.95
11.0	47.9/11.3	47.7/11.3	46.9/11.3	46.8/11.3	45.7/11.3	45.8/11.3	45.0/11.3	43.9/11.3	43.1/11.3	41.9/11.3	40.9/11.3
12.0	46.4	46.2	45.4	45.3	44.3	44.3	43.5	42.3	41.6	40.4	39.3
13.0	44.5	44.3	43.5	43.4	42.4	42.4	41.5	40.4	39.6	38.4	37.4
14.0	42.8	42.5	41.7	41.6	40.6	40.6	39.7	38.6	37.8	36.6	35.6
15.0	41.1	40.9	40.0	39.9	38.9	38.9	38.0	36.9	36.1	34.9	33.9
16.0	39.5	39.3	38.4	38.3	37.3	37.3	36.4	35.3	34.5	33.3	32.2
18.0	35.4	35.2	34.4	34.3	33.2	33.2	32.3	31.3	30.5	29.3	28.3
20.0	30.7	30.3	29.5	29.2	28.2	28.0	27.2	26.0	25.4	24.2	23.2
22.0	25.9	25.6	24.8	24.5	23.5	23.3	22.5	21.4	20.7	19.5	18.7
24.0	22.0	21.6	20.8	20.6	19.5	19.4	18.6	17.5	16.8	15.8	14.8
26.0	18.6	18.2	17.5	17.2	16.2	16.0	15.2	14.2	13.5	12.5	11.6
28.0	16.1/27.7	15.7/27.7	15.0/27.7	14.7/27.7	13.7/27.7	13.5/27.7	12.8/27.7	11.7/27.7	11.0/27.7	10.0/27.7	9.2/27.7

Notes — Tower boom top crane capacities

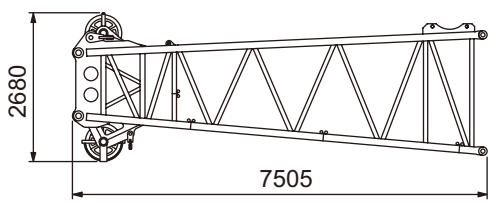
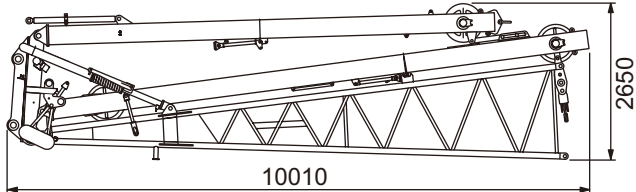
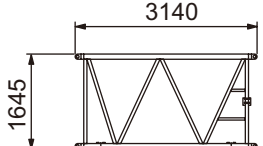
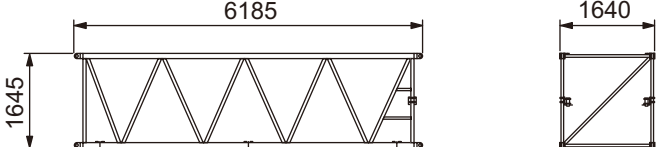
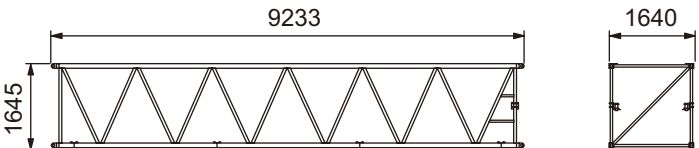
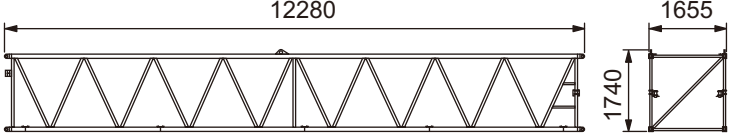
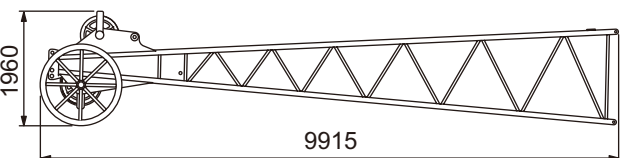
- Capacities on these charts are available when handling load off a 3-sheave machinery provided on 7.30m tower top section with movement of tower boom hoisting/lowering under the condition that luffing jib offset angle to tower boom is 15 degrees.
- Capacities included in these charts are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are in metric tons, and are rated in accordance with European EN13000 Standards in terms of machine stability and structural strength limitations; the figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.
Hook block weight is as follows:
80t1.4ton 35t0.9ton 13.5t0.62ton
- All capacities are rated for 360° slewing.
- Least stable rated condition is over the side.
- An 102.8ton counterweight and 18.0ton lower weight are required for all capacities on this chart.
- Attachment must be erected and lowered over the ends of the crawler mounting.
- Tower boom and jib configurations shall be in accordance with manufacturer's standard described here in "Tower Boom & Jib Combination Diagram" shown in page 26.
- A simultaneous lift under luffing jib hook and tower boom top crane hook is not allowed.

Tower Boom Top Crane Working Ranges



Transport Data

Followings are essential parts for luffing jib attachment.

Description	Q'ty	Dimensions(mm)	Mass(kg)
7.30m HD Tower Top section	1	 <p>Width : 2240 (w/out pendant ropes)</p>	3,300
9.15m Luffing Jib Base Section (w/front & rear posts) (w/0.32m tower head sect.)	1	 <p>Width : 2070 (w/out pendant ropes)</p>	6,000
3.05m Luffing Jib Extension	1	 <p>(w/out pendant ropes)</p>	300
6.10m Luffing Jib Extension	1	 <p>(w/out pendant ropes)</p>	500
9.15m Luffing Jib Extension	1	 <p>(w/out pendant ropes)</p>	700
12.20m HD Luffing Jib Extension	1	 <p>(w/out pendant ropes)</p>	1,100
9.15m Luffing Jib Top section	1	 <p>Width : 1645 (w/out pendant ropes)</p>	1,700

MEMO

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- We are constantly improving our products and therefore reserve the right to change designs and specifications without notice.
- Units in this specification are shown under International System of Units; the figures in parenthesis are under Gravitational System of Units as old one.

Address Inquires to: