

# TRUCK CRANE

**TG-3600M**

*JAPANESE SPECIFICATIONS*

**TG**

These specifications are for the optional fully automatic luffing jib for the TG-3600M type crane. Refer to these specifications along with specification control no. TG-3600M-2/MB-80.

Control No. TG-3600M-2/FLJ-80

## TG-3600M

### CRANE SPECIFICATIONS

#### CRANE CAPACITY

11.1m	Jib	54,000kg	at 10.0m ( 5part-line)
19.1m	Jib	29,000kg	at 8.0m ( 3part-line)
27.1m	Jib	10,000kg	at 22.0m ( 1part-line)
35.1m	Jib	9,500kg	at 16.0m ( 1part-line)

#### Jib

4-section hydraulically telescoping boom of hexagonal box construction  
(stage 2: sequential; stages 3,4: synchronized)  
Hydraulic non-stage offset (0° – 40°) type  
1.7m (fixed part) + 11.1m – 35.1m (elevating/telescoping part)

#### JIB LENGTH

11.1m  
19.1m  
27.1m  
35.1m

#### MAX.LIFTING HEIGHT

88.0m

#### MAX.WORKING RADIUS

70.0m



**TOTAL RATED LOADS**

1. The total rated loads shown are for the case where the outriggers are set horizontally on firm level ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of the slings and hooks are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection of the boom and jib.
4. The chart below shows the standard hook and number of part lines under each working condition.

A	11.1	19.1	27.1	35.1
M	54.0	29.0	10.0	9.5
H	5	3	1	1
N	80	80	12.5	12.5
O	3	3	—	—
L	1,360	1,360	490	490

A= Boom length (m) M= Max. total rated loads (t) H= No. of part-lines  
 N= Hook lifting capacity (t) O= No. of sheaves L= Hook weight (kg)

5. **Boom length and boom fixing pin**  
 The boom telescoping order, stroke of each boom, boom length, boom fixing pin condition when the boom and jib are used are as follows.
  - 1) Boom telescoping order and stroke of each boom
    - Extend the boom from the base boom side, and then extend the next boom when the boom is extended by the strokes shown in the following table.
    - Retract the boom from the top boom side, and then retract the next boom when the boom is retracted by the strokes shown in the following table.

Crane service condition	Boom stroke
Boom	9.2m
Fully automatic luffing jib	

2) Boom length and boom fixing pin status

Boom length (m)		Pin condition when the boom fixing pin is used	● Pin inserted
• Boom • Fully automatic luffing jib	• Boom • Luffing jib		○ Pin removed
			◐ Both pin insertion and removal are available.
14.2	14.2		
23.4	22.6		
32.6	31.0		
41.8	39.4		
51.0	47.8		

- When the boom is operated, when the boom is extended to the middle, and when at least one boom fixing pin condition marked with ● in the above chart is ○, the performance for the case where the boom fixing pin is not used shall apply.
- When operating the jib (fully automatic luffing jib, luffing jib), the boom length and the boom fixing pin condition must be in accordance with the above chart.

6. As shown in the following table, the performance depends on the outrigger installation condition and counterweight combination.

Outrigger extension width	Counterweight			
	85t	65t	45t	20t
8.8m	A	B	C	D
7.0m		C	D	

- Both of the front and rear jacks should be used.
- The boom fixing pin should be used.

7. Mark  $\theta$  in the total rated load chart shows the boom angle range (under no load).

[14.2m Boom + 1.7m + Fully automatic luffing jib]  
Performance A

Unit: ton					Unit: ton					Unit: ton					Unit: ton												
11.1m Jib					19.1m Jib					27.1m Jib					35.1m Jib												
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40				
		5	54.0	41.3						8	10.0									10	9.5					10	9.5
6	54.0	37.3				9	10.0					9	10.0					12	9.2								
7	47.3	34.0	26.6			10	10.0					10	10.0					14	8.0								
8	41.9	31.2	24.9			12	10.0	9.5				12	10.0	9.5				16	7.0	5.7							
9	37.6	28.8	23.4	21.0		14	10.0	8.5				14	10.0	8.5				18	6.3	5.1							
10	34.0	26.7	22.1	19.9		16	9.4	7.6				16	9.4	7.6				20	5.6	4.6							
12	28.4	23.2	19.8	18.2		18	8.3	6.9	5.8			18	8.3	6.9	5.8			22	5.0	4.2							
14	24.2	20.5	18.0	16.8		20	7.4	6.3	5.4			20	7.4	6.3	5.4			24	4.5	3.9	3.3						
16	21.0	18.3	16.5	15.6		22	6.7	5.7	5.0	4.6		22	6.7	5.7	5.0	4.6		26	4.1	3.5	3.1						
18	18.5	16.6	15.3	14.8		24	6.1	5.3	4.6	4.3		24	6.1	5.3	4.6	4.3		28	3.7	3.3	2.8	2.6					
20	16.4	15.1	14.3	14.2		26	5.6	4.9	4.3	4.0		26	5.6	4.9	4.3	4.0		30	3.4	3.0	2.6	2.4					
22	14.6	13.9	13.7			28	5.1	4.5	4.1	3.8		28	5.1	4.5	4.1	3.8		32	3.1	2.8	2.5	2.3					
24	13.2					30	4.7	4.2	3.8	3.6		30	4.7	4.2	3.8	3.6		34	2.9	2.6	2.3	2.1					
θ (°)	0~83	28~83	29~83	42~83	43~83	32	4.3	4.0	3.6	3.5		32	4.3	4.0	3.6	3.5		36	2.7	2.4	2.2	2.0					
						θ (°)	0~83	29~83	42~83	43~83	34	4.0	3.7	3.5	3.3		34	4.0	3.7	3.5	3.3		36	2.5	2.2	2.0	1.9
											36	3.8	3.5	3.3	3.3		36	3.8	3.5	3.3	3.3		40	2.3	2.1	1.9	1.8
											38	3.5	3.4	3.3			38	3.5	3.4	3.3			42	2.1	1.9	1.8	1.7
											40	3.3					40	3.3					44	2.0	1.8	1.7	1.7
											θ (°)	0~83	31~83	36~83	47~83		θ (°)	0~83	33~83	41~83	51~83		46	1.8	1.7	1.7	
																	48	1.7					48				

B= Working radius

D= Jib offset

θ = Boom angle range (for the unladen condition)

[23.4m Boom + 1.7m + Fully automatic luffing jib]  
Performance A

Unit: ton					Unit: ton					Unit: ton					Unit: ton									
11.1m Jib					19.1m Jib					27.1m Jib					35.1m Jib									
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	
																								6
7	54.0	39.4				9	27.2					9	10.0						12	9.5				
8	54.0	36.6				10	25.5					10	10.0						14	8.8				
9	52.1	34.2	25.6			12	22.6	16.4				12	10.0						16	7.8				
10	47.3	32.0	24.4			14	20.2	14.9				14	10.0						18	7.0				
12	39.7	28.4	22.3	19.8		16	18.0	13.7	11.1			16	10.0	8.2					20	6.4	4.9			
14	34.0	25.5	20.6	18.5		18	16.2	12.7	10.4	9.3		18	9.8	7.5					22	5.8	4.5			
16	29.7	23.1	19.1	17.4		20	14.7	11.8	9.8	8.9		20	8.9	6.9	5.6				24	5.3	4.2			
18	26.2	21.0	17.9	16.5		22	13.5	11.0	9.3	8.5		22	8.1	6.4	5.2				26	4.8	3.9			
20	23.4	19.3	16.8	15.7		24	12.4	10.3	8.8	8.0		24	7.4	5.9	4.9	4.4			28	4.4	3.6	3.0		
22	21.1	17.9	15.9	15.1		26	11.5	9.7	8.3	7.6		26	6.8	5.5	4.7	4.2			30	4.1	3.4	2.8		
24	19.1	16.6	15.1	14.6		28	10.6	9.0	7.8	7.2		28	6.2	5.2	4.4	4.0			32	3.8	3.1	2.6	2.4	
26	17.4	15.5	14.4	14.2		30	9.7	8.3	7.3	6.9		30	5.8	4.9	4.2	3.9			34	3.5	2.9	2.5	2.2	
28	16.0	14.6	13.9			32	8.9	7.7	7.0	6.7		32	5.4	4.6	4.0	3.7			36	3.2	2.7	2.4	2.1	
30	14.7	13.8				34	8.1	7.2	6.7	6.5		34	5.0	4.3	3.8	3.6			38	3.0	2.6	2.2	2.0	
32	13.6	13.2				36	7.5	6.8	6.4			36	4.7	4.1	3.7	3.5			40	2.8	2.4	2.1	1.9	
$\theta$ (°)	16~83	18~83	38~83	45~83		$\theta$ (°)	16~83	20~83	39~83	46~83		$\theta$ (°)	16~83	23~83	35~83	49~83			$\theta$ (°)	17~83	26~83	38~83	46~83	

B= Working radius

D= Jib offset

$\theta$  = Boom angle range (for the unladen condition)

[32.6m Boom + 1.7m + Fully automatic luffing jib]  
Performance A

Unit: ton					Unit: ton					Unit: ton					Unit: ton								
11.1m Jib					19.1m Jib					27.1m Jib					35.1m Jib								
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40
		9	54.0	38.2						10	25.3									12	10.0		
10	54.0	36.1				12	24.8					14	10.0					16	8.6				
12	51.0	32.5	24.0			14	22.4	15.7				16	10.0					18	7.8				
14	43.9	29.5	22.4	19.6		16	20.4	14.6				18	10.0	7.9				20	7.1				
16	38.4	26.9	21.0	18.7		18	18.6	13.6	10.8			20	10.0	7.4				22	6.5	4.8			
18	34.0	24.8	19.8	17.8		20	17.0	12.8	10.2	9.1		22	9.3	6.9				24	6.0	4.5			
20	30.5	22.9	18.7	17.0		22	15.6	12.0	9.8	8.8		24	8.5	6.4	5.1			26	5.5	4.2			
22	27.5	21.3	17.8	16.3		24	14.5	11.3	9.4	8.5		26	7.8	6.0	4.9	4.3		28	5.1	3.9			
24	25.0	19.9	16.9	15.7		26	13.4	10.7	9.0	8.2		28	7.3	5.7	4.7	4.2		30	4.7	3.6	2.9		
26	22.9	18.7	16.2	15.2		28	12.5	10.2	8.6	7.9		30	6.7	5.4	4.5	4.0		32	4.4	3.4	2.8		
28	21.1	17.6	15.5	14.8		30	11.7	9.7	8.3	7.5		32	6.3	5.1	4.3	3.9		34	4.1	3.2	2.6	2.3	
30	19.5	16.6	14.9	14.4		32	11.0	9.2	7.9	7.2		34	5.9	4.8	4.1	3.7		36	3.8	3.0	2.5	2.2	
32	16.8	15.7	14.4	14.1		34	10.4	8.8	7.5	7.0		36	5.5	4.6	3.9	3.6		38	3.5	2.9	2.4	2.1	
34	14.4	15.0	14.0			36	9.8	8.3	7.2	6.8		38	5.2	4.4	3.8	3.5		40	3.3	2.7	2.3	2.0	
36	12.2	12.9	13.2			38	9.2	7.8	6.9	6.6		40	4.9	4.2	3.7	3.4		42	3.1	2.6	2.2	2.0	
38	10.4	10.8				40	8.5	7.4	6.7	6.4		42	4.6	4.0	3.5	3.3		44	2.9	2.4	2.1	1.9	
40	8.4	8.8				42	7.9	7.0	6.5	6.4		44	4.4	3.8	3.4	3.3		46	2.7	2.3	2.0	1.8	
42	6.7					44	7.4	6.7	6.3			46	4.2	3.7	3.3	3.2		48	2.6	2.2	1.9	1.8	
$\theta$ (°)	9~83	23~83	37~83	47~83		46	6.9	6.4				48	3.9	3.5	3.3	3.2		50	2.4	2.1	1.8	1.7	
						48	5.7	6.2				50	3.8	3.4	3.2	3.1		52	2.3	2.0	1.8	1.7	
						50	4.5					52	3.6	3.3	3.2			54	2.2	1.9	1.7	1.6	
						$\theta$ (°)	10~83	24~83	38~83	43~83		54	3.4	3.2	3.1			56	2.1	1.8	1.7	1.6	
												56	3.3	3.1				58	2.0	1.8	1.6	1.6	
												58	3.2					60	1.8	1.7	1.6		
												$\theta$ (°)	11~83	26~83	35~83	46~83		62	1.8	1.6	1.6		
																		64	1.7	1.6			
																		66	1.6				
																		$\theta$ (°)	13~83	31~83	38~83	48~83	

B= Working radius

D= Jib offset

$\theta$  = Boom angle range (for the unladen condition)



[41.8m Boom + 1.7m + Fully automatic luffing jib]  
Performance A

		Unit: ton				Unit: ton				Unit: ton															
		11.1m Jib				19.1m Jib				27.1m Jib				35.1m Jib											
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40		
																								θ (°)	20~83
10	41.3					12	25.2					12	10.0					16	9.4						
12	41.3	35.8				14	24.7					14	10.0					18	8.5						
14	41.3	32.7	23.8			16	22.6	15.5				16	10.0					20	7.8						
16	37.8	30.2	22.5	19.5		18	20.9	14.5				18	10.0					22	7.2						
18	33.5	27.9	21.3	18.7		20	19.3	13.7	10.6			20	10.0	7.7				24	6.6	4.7					
20	29.8	26.0	20.2	18.0		22	17.8	12.9	10.2	9.0		22	10.0	7.3				26	6.2	4.4					
22	26.6	24.3	19.3	17.3		24	16.5	12.2	9.8	8.7		24	9.5	6.8				28	5.7	4.1					
24	23.7	22.2	18.4	16.7		26	15.4	11.6	9.4	8.4		26	8.8	6.4	5.0			30	5.3	3.9					
26	21.2	20.2	17.7	16.2		28	14.4	11.1	9.1	8.2		28	8.2	6.1	4.8			32	4.9	3.7	2.9				
28	19.0	18.5	17.0	15.7		30	13.5	10.5	8.8	8.0		30	7.7	5.8	4.6	4.1		34	4.6	3.5	2.7				
30	17.1	16.9	16.3	15.3		32	12.7	10.1	8.5	7.7		32	7.2	5.5	4.5	4.0		36	4.3	3.3	2.6	2.3			
32	15.4	15.3	15.1	14.9		34	12.0	9.7	8.2	7.5		34	6.7	5.2	4.3	3.9		38	4.0	3.1	2.5	2.2			
34	13.9	13.9	13.9	13.9		36	11.3	9.3	7.9	7.2		36	6.3	5.0	4.1	3.7		40	3.8	3.0	2.4	2.1			
36	12.3	12.6	12.6	12.7		38	10.8	8.9	7.6	7.0		38	6.0	4.8	4.0	3.6		42	3.6	2.8	2.3	2.0			
38	10.4	11.2	11.4	11.4		40	9.9	8.6	7.3	6.8		40	5.6	4.6	3.9	3.5		44	3.4	2.7	2.2	2.0			
40	8.4	9.4	9.8	9.9		42	9.0	8.2	7.1	6.7		42	5.3	4.4	3.7	3.5		46	3.2	2.6	2.1	1.9			
42	6.6	7.4	7.8			44	8.1	7.8	6.8	6.5		44	5.1	4.2	3.6	3.4		48	3.0	2.4	2.0	1.8			
44	4.9	5.6	5.9			46	6.6	7.5	6.6	6.4		46	4.8	4.0	3.5	3.3		50	2.8	2.3	2.0	1.8			
46	3.5	4.0				48	5.2	6.4	6.5	6.3		48	4.6	3.9	3.4	3.2		52	2.7	2.2	1.9	1.7			
48	2.2	2.5				50	4.0	4.9	5.6			50	4.4	3.8	3.4	3.2		54	2.5	2.1	1.8	1.7			
θ (°)		20~83	21~83	36~83	44~83			2.8	3.6	4.1				3.6	3.3	3.1				2.4	2.0	1.8	1.6		
								1.8	2.4					3.2	3.2	3.1				2.2	1.9	1.7	1.6		
														3.4	3.2	3.1				2.2	1.9	1.7	1.6		
														3.8	3.3	3.1				2.2	1.9	1.7	1.6		
														2.8	2.9	3.1				2.1	1.8	1.6	1.5		
														1.2	1.9	2.3				1.8	1.7	1.6	1.5		
																				1.1	1.6	1.5			
																					1.3	1.5			
																						28~83	32~83	39~83	48~83

B= Working radius

D= Jib offset

θ = Boom angle range (for the unladen condition)



[51.0m Boom + 1.7m + Fully automatic luffing jib]  
Performance A

Unit: ton		11.1m Jib				19.1m Jib				27.1m Jib				35.1m Jib				Unit: ton									
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	θ (°)			
																									10	26.4	
12	26.4					16	17.7					18	10.0					20	8.0								
14	26.4	21.2				18	15.7	12.1				20	10.0					22	7.8								
16	23.5	19.1	16.3			20	14.0	11.0				22	10.0	7.6				24	7.2	4.6							
18	20.9	17.2	15.0	13.9		22	12.5	10.0	8.4			24	9.6	7.2				26	6.7	4.6							
20	18.6	15.7	13.8	12.9		24	11.2	9.1	7.8	7.1		26	8.7	6.8				28	6.3	4.3							
22	16.7	14.3	12.7	11.9		26	10.1	8.4	7.2	6.7		28	7.9	6.4	5.0			30	5.8	4.1							
24	15.1	13.1	11.6	11.0		28	9.2	7.7	6.7	6.2		30	7.1	5.9	4.8			32	5.5	3.9							
26	13.7	11.9	10.7	10.2		30	8.3	7.0	6.2	5.9		32	6.5	5.5	4.6	4.1		34	5.1	3.7	2.8						
28	12.4	10.9	9.9	9.5		32	7.5	6.5	5.8	5.5		34	5.9	5.0	4.4	3.9		36	4.8	3.5	2.7						
30	11.3	10.0	9.1	8.8		34	6.9	6.0	5.4	5.1		36	5.4	4.7	4.1	3.8		38	4.4	3.3	2.6	2.2					
32	10.2	9.1	8.4	8.2		36	6.3	5.5	5.0	4.7		38	4.9	4.3	3.9	3.7		40	4.0	3.2	2.5	2.2					
34	9.3	8.4	7.8	7.6		38	5.7	5.1	4.6	4.4		40	4.5	4.0	3.6	3.5		42	3.7	3.0	2.4	2.1					
36	8.5	7.7	7.2	7.1		40	5.2	4.7	4.2	4.1		42	4.1	3.7	3.4	3.3		44	3.3	2.9	2.3	2.0					
38	7.7	7.1	6.7	6.6		42	4.8	4.3	3.9	3.8		44	3.8	3.4	3.2	3.0		46	3.1	2.7	2.2	2.0					
40	6.9	6.5	6.2	6.1		44	4.3	3.9	3.6	3.5		46	3.5	3.2	3.0	2.8		48	2.8	2.5	2.1	1.9					
42	6.0	6.0	5.7	5.7		46	3.9	3.5	3.3	3.2		48	3.2	2.9	2.7	2.6		50	2.6	2.3	2.1	1.8					
44	5.2	5.3	5.3	5.3		48	3.6	3.2	3.0	2.9		50	2.9	2.7	2.5	2.4		52	2.3	2.1	2.0	1.8					
46	4.4	4.6	4.6	4.6		50	3.2	2.9	2.7	2.6		52	2.7	2.5	2.3	2.3		54	2.1	2.0	1.9	1.7					
48	3.1	3.8	4.0			52	2.8	2.5	2.4	2.3		54	2.4	2.3	2.1	2.1		56	1.9	1.8	1.8	1.7					
50	1.8	2.4	2.8			54	2.2	2.2	2.1	2.1		56	2.2	2.1	2.0	1.9		58	1.8	1.7	1.6	1.6					
θ (°)	36~83	37~83	37~83	46~83		56		2.0	1.9	1.9		58	2.0	1.9	1.8	1.7		60	1.6	1.5	1.5	1.5					
							40~83	41~83	42~83	45~83		62	1.8	1.7	1.6	1.5		62	1.4	1.4	1.3	1.3					
												64	1.4	1.4	1.4	1.4		64	1.3	1.2	1.2	1.1					
												66		1.2	1.2	1.2		66	1.1	1.0	1.0	1.0					
												66			1.0			θ (°)	43~83	49~83	53~83	54~83					
																			38~83	41~83	41~83	47~83					

B= Working radius

D= Jib offset

θ = Boom angle range (for the unladen condition)

[14.2m Boom + 1.7m + Fully automatic luffing jib]  
Performance B

Unit: ton					Unit: ton					Unit: ton													
11.1m Jib					19.1m Jib					27.1m Jib					35.1m Jib								
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40
		5	54.0	41.3						8	10.0									8	10.0		
6	54.0	37.3				9	10.0					9	10.0					12	9.2				
7	47.3	34.0	26.6			10	10.0					10	10.0					14	8.0				
8	41.9	31.2	24.9			12	10.0	9.5				12	10.0	9.5				16	7.0	5.7			
9	37.6	28.8	23.4	21.0		14	10.0	8.5				14	10.0	8.5				18	6.3	5.1			
10	34.0	26.7	22.1	19.9	9.5	16	9.4	7.6				16	9.4	7.6				20	5.6	4.6			
12	28.4	23.2	19.8	18.2		18	8.3	6.9	5.8			18	8.3	6.9	5.8			22	5.0	4.2			
14	24.2	20.5	18.0	16.8		20	7.4	6.3	5.4			20	7.4	6.3	5.4			24	4.5	3.9	3.3		
16	21.0	18.3	16.5	15.6		22	6.7	5.7	5.0	4.6		22	6.7	5.7	5.0	4.6		26	4.1	3.5	3.1		
18	18.5	16.6	15.3	14.8		24	6.1	5.3	4.6	4.3		24	6.1	5.3	4.6	4.3		28	3.7	3.3	2.8	2.6	
20	16.4	15.1	14.3	14.2		26	5.6	4.9	4.3	4.0		26	5.6	4.9	4.3	4.0		30	3.4	3.0	2.6	2.4	
22	14.6	13.9				28	5.1	4.5	4.1	3.8		28	5.1	4.5	4.1	3.8		32	3.1	2.8	2.5	2.3	
24	13.2					30	4.7	4.2	3.8	3.6		30	4.7	4.2	3.8	3.6		34	2.9	2.6	2.3	2.1	
$\theta$ (°)	0~83	28~83	33~83	42~83		$\theta$ (°)	0~83	29~83	42~83	43~83		$\theta$ (°)	0~83	31~83	36~83	47~83		$\theta$ (°)	0~83	33~83	41~83	51~83	

B = Working radius

D = Jib offset

$\theta$  = Boom angle range (for the unladen condition)

[23.4m Boom + 1.7m + Fully automatic luffing jib]  
Performance B

Unit: ton					Unit: ton					Unit: ton					Unit: ton								
11.1m Jib					19.1m Jib					27.1m Jib					35.1m Jib								
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40
		6	54.0							8	10.0									10	9.5		
7	54.0	39.4				9	10.0					9	10.0					12	9.5				
8	54.0	36.6				10	10.0					10	10.0					14	8.8				
9	52.1	34.2	25.6			12	10.0					12	10.0					16	7.8				
10	47.3	32.0	24.4			14	10.0					14	10.0					18	7.0				
12	39.7	28.4	22.3	19.8		16	10.0	8.2				16	10.0	8.2				20	6.4	4.9			
14	34.0	25.5	20.6	18.5		18	9.8	7.5				18	9.8	7.5				22	5.8	4.5			
16	29.7	23.1	19.1	17.4		20	8.9	6.9	5.6			20	8.9	6.9	5.6			24	5.3	4.2			
18	26.2	21.0	17.9	16.5		22	8.1	6.4	5.2			22	8.1	6.4	5.2			26	4.8	3.9			
20	23.4	19.3	16.8	15.7		24	7.4	5.9	4.9	4.4		24	7.4	5.9	4.9	4.4		28	4.4	3.6	3.0		
22	21.1	17.9	15.9	15.1		26	6.8	5.5	4.7	4.2		26	6.8	5.5	4.7	4.2		30	4.1	3.4	2.8		
24	19.1	16.6	15.1	14.6		28	6.2	5.2	4.4	4.0		28	6.2	5.2	4.4	4.0		32	3.8	3.1	2.6	2.4	
26	17.4	15.5	14.4	14.2		30	5.8	4.9	4.2	3.9		30	5.8	4.9	4.2	3.9		34	3.5	2.9	2.5	2.2	
28	16.0	14.6	13.9			32	5.4	4.6	4.0	3.7		32	5.4	4.6	4.0	3.7		36	3.2	2.7	2.4	2.1	
30	14.7	13.8				34	5.0	4.3	3.8	3.6		34	5.0	4.3	3.8	3.6		38	3.0	2.6	2.2	2.0	
32	13.4	13.2				36	4.7	4.1	3.7	3.5		36	4.7	4.1	3.7	3.5		40	2.8	2.4	2.1	1.9	
θ (°)	16~83	18~83	38~83	45~83		38	4.4	3.9	3.5	3.4		38	4.4	3.9	3.5	3.4		42	2.6	2.3	2.0	1.9	
						40	4.1	3.7	3.4	3.3		40	4.1	3.7	3.4	3.3		44	2.5	2.2	1.9	1.8	
θ (°)	16~83	20~83	39~83	46~83		42	3.9	3.5	3.3	3.2		42	3.9	3.5	3.3	3.2		46	2.3	2.0	1.8	1.7	
						44	3.7	3.4	3.2		44	3.7	3.4	3.2		48	2.2	1.9	1.8	1.7			
θ (°)	16~83	35~83	49~83			46	3.5	3.3	3.2		46	3.5	3.3	3.2		50	2.0	1.8	1.7	1.6			
						48	3.3	3.2			48	3.3	3.2		52	1.9	1.8	1.6	1.6				
θ (°)	17~83	26~83	38~83	46~83		54	1.8	1.7	1.6		54	1.8	1.7	1.6		56	1.7	1.6					
						56	1.7	1.6			56	1.7	1.6		17~83	26~83	38~83	46~83					

B= Working radius

D= Jib offset

θ = Boom angle range (for the unladen condition)

[32.6m Boom + 1.7m + Fully automatic luffing jib]  
Performance B

Unit: ton					Unit: ton					Unit: ton														
11.1m Jib					19.1m Jib					27.1m Jib					35.1m Jib									
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	
																								9
10	54.0	36.1				12	24.8					14	10.0					16	8.6					
12	51.0	32.5	24.0			14	22.4	15.7				16	10.0					18	7.8					
14	43.9	29.5	22.4	19.6		16	20.4	14.6				18	10.0	7.9				20	7.1					
16	38.4	26.9	21.0	18.7		18	18.6	13.6	10.8			20	10.0	7.4				22	6.5	4.8				
18	34.0	24.8	19.8	17.8		20	17.0	12.8	10.2	9.1		22	9.3	6.9				24	6.0	4.5				
20	30.5	22.9	18.7	17.0		22	15.6	12.0	9.8	8.8		24	8.5	6.4	5.1			26	5.5	4.2				
22	27.5	21.3	17.8	16.3		24	14.5	11.3	9.4	8.5		26	7.8	6.0	4.9	4.3		28	5.1	3.9				
24	24.3	19.9	16.9	15.7		26	13.4	10.7	9.0	8.2		28	7.3	5.7	4.7	4.2		30	4.7	3.6				
26	20.3	18.7	16.2	15.2		28	12.5	10.2	8.6	7.9		30	6.7	5.4	4.4	4.0		32	4.4	3.4	2.8			
28	17.0	17.6	15.5	14.8		30	11.7	9.7	8.3	7.5		32	6.3	5.1	4.3	3.9		34	4.1	3.2	2.6	2.3		
30	14.2	15.3	14.9	14.4		32	11.0	9.2	7.9	7.2		34	5.9	4.8	4.1	3.7		36	3.8	3.0	2.5	2.2		
32	11.5	12.7	13.4	13.6		34	10.4	8.8	7.5	7.0		36	5.5	4.6	3.9	3.6		38	3.5	2.9	2.4	2.1		
34	9.0	10.1	10.7			36	9.8	8.2	7.2	6.8		38	5.2	4.4	3.8	3.5		40	3.3	2.7	2.3	2.0		
36	6.8	7.6	8.0			38	8.6	7.8	6.9	6.6		40	4.9	4.2	3.7	3.4		42	3.1	2.6	2.2	2.0		
38	4.8	5.5				40	6.8	7.4	6.7	6.4		42	4.6	4.0	3.5	3.3		44	2.9	2.4	2.1	1.9		
40	3.1	3.5				42	5.2	6.5	6.5	6.4		44	4.4	3.8	3.4	3.3		46	2.7	2.3	2.0	1.8		
42	1.6					44	3.8	4.8	5.4			46	4.2	3.7	3.3	3.2		48	2.6	2.2	1.9	1.8		
						46	2.5	3.3				48	3.9	3.5	3.3	3.2		50	2.4	2.1	1.8	1.7		
						48	1.4	1.9				50	3.6	3.4	3.2	3.1		52	2.3	2.0	1.8	1.7		
												52	2.6	3.3	3.1			54	2.2	1.9	1.7	1.6		
												54	1.7	2.5	2.9			56	2.1	1.8	1.7	1.6		
																		58	2.0	1.8	1.6	1.6		
																		60	1.6	1.7	1.6	1.6		
																		62	1.6	1.6	1.6	1.6		
																		$\theta$ (°)	27~83	32~83	38~83	48~83		

B= Working radius

D= Jib offset

$\theta$  = Boom angle range (for the unladen condition)

[41.8m Boom + 1.7m + Fully automatic luffing jib]  
Performance B

Unit: ton					Unit: ton					Unit: ton					Unit: ton				
11.1m Jib					19.1m Jib					27.1m Jib					35.1m Jib				
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40		
		10	41.3							12	10.0							16	9.4
12	41.3	35.8				14	10.0					18	8.5						
14	41.3	32.7	23.8			16	10.0					20	7.8						
16	37.8	30.2	22.5	19.5		18	10.0					22	7.2						
18	33.5	27.9	21.3	18.7		20	10.0	7.7				24	6.6	4.7					
20	29.8	26.0	20.2	18.0		22	10.0	7.3				26	6.2	4.4					
22	26.6	24.3	19.3	17.3		24	9.5	6.8				28	5.7	4.1					
24	23.7	22.2	18.4	16.7		26	8.8	6.4	5.0			30	5.3	3.9					
26	20.4	20.2	17.7	16.2		28	8.2	6.1	4.8			32	4.9	3.7	2.9				
28	17.1	18.5	17.0	15.7		30	7.7	5.8	4.6	4.1		34	4.6	3.5	2.7				
30	14.3	15.6	16.3	15.3		32	7.2	5.5	4.5	4.0		36	4.3	3.3	2.6	2.3			
32	11.6	13.0	14.0	14.4		34	6.7	5.2	4.3	3.9		38	4.0	3.1	2.5	2.2			
34	9.0	10.5	11.5	11.9		36	6.3	5.0	4.1	3.7		40	3.8	3.0	2.4	2.1			
36	6.8	8.1	9.0	9.3		38	6.0	4.8	4.0	3.6		42	3.6	2.8	2.3	2.0			
38	4.8	5.9	6.7	6.9		40	5.6	4.6	3.9	3.5		44	3.4	2.7	2.2	2.0			
40	3.1	4.0	4.6	4.7		42	5.3	4.4	3.7	3.5		46	3.2	2.6	2.1	1.9			
42	1.5	2.3	2.8			44	5.1	4.2	3.6	3.4		48	3.0	2.4	2.0	1.8			
θ (°)	37~83	39~83	40~83	44~83		46	4.8	4.0	3.5	3.3		50	2.8	2.3	2.0	1.8			
						48	4.0	3.9	3.4	3.2		52	2.7	2.2	1.9	1.7			
						θ (°)	42~83	43~83	45~83	46~83		54	2.5	2.1	1.8	1.7			
												56	2.2	2.0	1.8	1.6			
												58	1.4	2.0	1.7	1.6			
												60	1.9	1.7	1.6				
												62	1.3	1.6	1.6				
												64	1.3	1.6	1.6				
												θ (°)	44~83	46~83	48~83	51~83			

B= Working radius

D= Jib offset

θ = Boom angle range (for the unladen condition)

[51.0m Boom + 1.7m + Fully automatic luffing jib]  
Performance B

		11.1m Jib				19.1m Jib				27.1m Jib				35.1m Jib				
		Unit: ton				Unit: ton				Unit: ton				Unit: ton				
D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	D (°)	B (m)	0	15	30	40	
		10	26.4							14	18.0							16
12	26.4					16	17.7					18	10.0					
14	26.4	21.2				18	15.7	12.1				20	10.0					
16	23.5	19.1	16.3			20	14.0	11.0				22	10.0	7.6				
18	20.9	17.2	15.0	13.9		22	12.5	10.0	8.4			24	9.6	7.2				
20	18.6	15.7	13.8	12.9		24	11.2	9.1	7.8	7.1		26	8.7	6.8				
22	16.7	14.3	12.7	11.9		26	10.1	8.4	7.2	6.7		28	7.9	6.4	5.0			
24	15.1	13.1	11.6	11.0		28	9.2	7.7	6.7	6.2		30	7.1	5.9	4.8			
26	13.7	11.9	10.7	10.2		30	8.3	7.0	6.2	5.9		32	6.5	5.5	4.6	4.1		
28	12.4	10.9	9.9	9.5		32	7.5	6.5	5.8	5.5		34	5.9	5.0	4.4	3.9		
30	11.3	10.0	9.1	8.8		34	6.9	6.0	5.4	5.1		36	5.4	4.7	4.1	3.8		
32	10.2	9.1	8.4	8.2		36	6.3	5.5	5.0	4.7		38	4.9	4.3	3.9	3.7		
34	9.3	8.4	7.8	7.6		38	5.7	5.1	4.6	4.4		40	4.5	4.0	3.6	3.5		
36	7.8	7.7	7.2	7.1		40	5.2	4.7	4.2	4.0		42	4.1	3.7	3.4	3.3		
38	5.9	7.1	6.7	6.6		42	4.8	4.3	3.9	3.8		44	3.8	3.4	3.2	3.0		
40	4.1	5.2	6.1	6.1		44	3.9	3.9	3.6	3.5		46	3.5	3.1	3.0	2.8		
42		3.5	4.3	4.5		46		3.5	3.3	3.2		48	3.2	2.9	2.7	2.6		
44			2.6	2.8		48			3.0	2.9		50	2.9	2.7	2.5	2.4		
$\theta$ (°)	50~83	50~83	49~83	49~83		$\theta$ (°)	52~83	54~83	54~83	55~83		50~83	50~83	52~83	53~83	53~83	54~83	

B= Working radius

D= Jib offset

$\theta$  = Boom angle range (for the unladen condition)



[14.2m Boom + 1.7m + Fully automatic luffing jib]  
Performance C

		Unit: ton				Unit: ton				Unit: ton				Unit: ton			
		11.1m Jib				19.1m Jib				27.1m Jib				35.1m Jib			
D (°)	B (m)	0	15	30	40	0	15	30	40	0	15	30	40	0	15	30	40
		5	54.0	41.3													
6	54.0	37.3															
7	47.3	34.0	26.6														
8	41.9	31.2	24.9														
9	37.6	28.8	23.4	21.0													
10	34.0	26.7	22.1	19.9													
12	28.4	23.2	19.8	18.2													
14	24.2	20.5	18.0	16.8													
16	21.0	18.3	16.5	15.6													
18	18.5	16.6	15.3	14.8													
20	16.4	15.1	14.3	14.2													
22	14.6	13.9															
24	13.2																
θ (°)		0~83	28~83	33~83	42~83	0~83	29~83	42~83	43~83	0~83	31~83	36~83	47~83	0~83	33~83	41~83	51~83
B= Working radius																	
D= Jib offset																	
θ = Boom angle range (for the unladen condition)																	































