

# ALL TERRAIN CRANE

**AR**



**AR-2000M**

(Fully Automatic Luffing Jib)

*JAPANESE SPECIFICATIONS*

These specifications are for the optional fully automatic luffing jib for the AR-2000M type crane. Refer to these specifications along with specification control no. AR-2000M-1/MB.

Control No. AR-2000M-1 / FLJ-04

## CRANE SPECIFICATIONS

### CRANE CAPACITY

10.2m	Jib	22,500kg	at 9.0m	(2part-line)
17.95m	Jib	11,200kg	at 14.0m	(1,2part-line)
25.7m	Jib	7,000kg	at 16.0m	(1,2part-line)

### JIB

3-section synchronously telescoping boom of box construction

Hydraulic non-stage offset (5° – 60°) type

2.0m (fixing part) + 10.2m – 25.7m (elevating/telescoping part)

### JIB

1 double-acting hydraulic cylinder

1 wire rope type telescoping device

### JIB LENGTH

10.2m

17.95m

25.7m

### MAX.LIFTING HEIGHT

79.0m

### MAX.WORKING RADIUS

60.0m



## BOOM 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 (25t hook: 730kg, 11.2t hook: 430kg) 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.
4. The table below shows the classification of Performances FA to FD of the total rated load.

Counterweight Outrigger extension width	58t	40t	20t	0t
<b>8.8m</b>	FA	FB	FC	FD
<b>8.0m</b>	FB	FC	FD	–
6.8m FAUN carrier	FC	FD	–	–
7.0m NISSAN diesel carrier	FC	FD	–	–

5. The standard hook and number of part lines are shown in the total rated loads chart. The load per line should not exceed 11.2t .
6. The rated total load table does not include wind effects. When the maximum instantaneous velocity is 10m/s or more, stop crane operation.
7. Mark  $\theta$  in the total rated load chart shows the boom angle range (under no load).

## Performance FA 31.8m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
7.0	81.1	22.5								
8.0	79.8	22.5								
9.0	78.6	22.5	80.8	18.7						
10.0	77.4	22.1	79.6	18.0	81.4	15.3				
11.0	76.1	20.9	78.3	17.3	80.0	14.9				
12.0	74.8	19.9	77.0	16.7	78.7	14.5	81.1	12.0		
14.0	72.1	18.2	74.3	15.6	76.1	13.7	78.4	11.6	80.3	9.3
16.0	69.4	16.7	71.6	14.6	73.3	13.1	75.5	11.3	77.2	9.1
18.0	66.6	15.4	68.9	13.7	70.5	12.5	72.6	10.9	74.1	9.1
20.0	63.7	14.3	66.0	13.0	67.6	12.0	69.6	10.7	70.8	9.0
22.0	60.7	13.4	63.0	12.3	64.6	11.5	66.4	10.5	67.5	9.0
24.0	57.7	12.6	60.0	11.7	61.5	11.1	63.2	10.3		
26.0	54.5	11.8	56.8	11.2	58.3	10.8	59.9	10.1		
28.0	51.1	11.2	53.4	10.8	54.8	10.5	56.4	10.1		
30.0	47.5	10.6	49.8	10.4	51.2	10.2	52.5	9.9		
32.0	43.6	10.1	46.0	10.1	47.2	9.8	48.2	9.6		
34.0	39.6	9.7	41.7	9.8	42.8	9.4				
36.0	34.6	8.9	36.8	9.1	37.7	9.1				
38.0	28.8	7.6	30.9	7.7						
40.0	21.2	6.1	22.9	6.2						
$\theta$ (°)	15 ~ 83		19 ~ 83		33 ~ 83		45 ~ 83		65 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
10.0	80.5	11.2								
11.0	79.5	11.2								
12.0	78.5	11.2								
14.0	76.4	11.2	79.8	9.8						
16.0	74.2	10.7	77.6	9.1	80.4	7.7				
18.0	72.0	9.8	75.3	8.5	78.2	7.3				
20.0	69.8	9.1	73.1	8.0	75.9	7.0	79.7	5.9		
22.0	67.4	8.4	70.8	7.5	73.6	6.7	77.2	5.7	80.3	4.4
24.0	65.0	7.8	68.4	7.1	71.2	6.4	74.7	5.5	77.5	4.4
26.0	62.6	7.3	65.8	6.7	68.7	6.2	72.2	5.4	74.6	4.3
28.0	60.0	6.8	63.4	6.3	66.2	5.9	69.4	5.3	71.6	4.3
30.0	57.4	6.4	60.8	6.0	63.6	5.7	66.8	5.1	68.5	4.3
32.0	54.7	6.1	58.1	5.8	60.8	5.5	63.9	5.0	65.2	4.3
34.0	51.8	5.7	55.2	5.5	57.9	5.3	60.9	4.9		
36.0	48.8	5.4	52.2	5.3	54.9	5.0	57.6	4.7		
38.0	45.6	5.2	49.0	5.1	51.6	4.8	54.1	4.6		
40.0	42.1	4.9	45.5	4.8	48.1	4.6	50.3	4.5		
42.0	38.3	4.7	41.7	4.6	44.1	4.4				
44.0	34.0	4.5	37.4	4.4	39.7	4.3				
46.0	29.0	4.3	32.4	4.2	34.4	4.2				
48.0	22.5	4.1	25.7	4.0						
$\theta$ (°)	16 ~ 83		21 ~ 83		31 ~ 83		46 ~ 83		63 ~ 83	
F	1.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FA 31.8m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.3	7.0								
16.0	77.6	7.0								
18.0	75.8	6.4	79.8	5.2						
20.0	73.9	5.9	78.0	4.8						
22.0	72.0	5.5	76.1	4.5	79.7	3.8				
24.0	70.1	5.1	74.2	4.2	77.7	3.6				
26.0	68.1	4.7	72.2	4.0	75.8	3.5	80.5	2.9		
28.0	66.0	4.4	70.3	3.8	73.8	3.3	78.4	2.8		
30.0	64.0	4.1	68.2	3.6	71.8	3.2	76.3	2.7	80.6	2.3
32.0	61.8	3.9	66.1	3.4	69.6	3.0	74.1	2.6	78.2	2.3
34.0	59.7	3.7	63.9	3.2	67.5	2.9	71.9	2.5	75.6	2.2
36.0	57.4	3.5	61.7	3.1	65.3	2.8	69.7	2.5	73.0	2.2
38.0	55.0	3.3	59.5	3.0	63.0	2.7	67.2	2.4	70.3	2.2
40.0	52.6	3.1	57.0	2.8	60.5	2.6	64.7	2.3	67.4	2.2
42.0	50.0	3.0	54.5	2.7	58.0	2.5	62.1	2.3		
44.0	47.3	2.8	51.9	2.6	55.3	2.4	59.4	2.3		
46.0	44.4	2.7	49.0	2.5	52.5	2.4	56.3	2.2		
48.0	41.3	2.6	46.0	2.4	49.4	2.3	53.1	2.2		
50.0	37.9	2.5	42.7	2.4	46.1	2.3	49.5	2.2		
55.0	26.7	2.2	31.9	2.2						
$\theta$ (°)	22 ~ 83		27 ~ 83		36 ~ 83		46 ~ 83		65 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FA 40.9m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
10.0	80.5	22.1								
11.0	79.5	21.9	81.2	17.7						
12.0	78.4	21.0	80.2	17.2						
14.0	76.4	19.4	78.1	16.2	79.5	14.0				
16.0	74.3	18.0	76.1	15.3	77.4	13.4	79.1	11.3	80.5	8.7
18.0	72.1	16.8	73.9	14.6	75.2	12.9	76.9	11.0	78.1	8.7
20.0	70.0	15.8	71.8	13.9	73.0	12.5	74.7	10.8	75.7	8.6
22.0	67.7	14.9	69.6	13.2	70.8	12.0	72.4	10.6	73.3	8.6
24.0	65.4	14.0	67.3	12.7	68.5	11.7	70.1	10.4	70.8	8.6
26.0	63.0	13.2	65.0	12.2	66.1	11.3	67.6	10.3	68.2	8.6
28.0	60.5	11.9	62.5	11.4	63.7	10.8	65.2	10.1	65.5	8.6
30.0	57.9	10.7	59.9	10.5	61.1	10.1	62.5	9.7		
32.0	55.1	9.6	57.2	9.6	58.3	9.4	59.7	9.1		
34.0	52.2	8.6	54.3	8.7	55.5	8.8	56.7	8.6		
36.0	49.2	7.6	51.3	7.8	52.4	7.9	53.6	8.1		
38.0	46.0	6.6	48.1	6.9	49.1	7.0	50.2	7.3		
40.0	42.6	5.8	44.6	6.0	45.7	6.2	46.3	6.3		
42.0	38.8	4.8	40.8	5.1	41.7	5.3				
44.0	34.6	3.7	36.4	3.9	37.1	4.0				
46.0	29.8	2.7	31.5	2.8	31.9	2.9				
48.0	23.9	1.7	25.4	1.8						
$\theta$ (°)	16 ~ 83		23 ~ 83		28 ~ 83		43 ~ 83		63 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.3	11.1								
16.0	77.6	11.1	80.3	9.3						
18.0	75.8	10.5	78.5	8.8						
20.0	74.0	9.8	76.7	8.3	78.9	7.2				
22.0	72.1	9.1	74.9	7.9	77.1	6.9	80.2	5.7		
24.0	70.3	8.6	73.0	7.5	75.2	6.6	78.3	5.6	80.5	4.2
26.0	68.3	8.1	71.1	7.1	73.3	6.4	76.3	5.4	78.4	4.2
28.0	66.4	7.6	69.1	6.8	71.3	6.2	74.3	5.3	76.1	4.1
30.0	64.4	7.2	67.2	6.5	69.3	6.0	72.3	5.2	73.9	4.1
32.0	62.3	6.8	65.1	6.3	67.3	5.8	70.2	5.1	71.5	4.1
34.0	60.2	6.5	63.0	6.0	65.2	5.6	67.9	5.0	69.1	4.1
36.0	58.0	6.2	60.9	5.8	63.0	5.5	65.8	5.0	66.6	4.1
38.0	55.7	5.9	58.6	5.6	60.7	5.3	63.5	4.9		
40.0	53.3	5.6	56.3	5.4	58.3	5.1	61.0	4.7		
42.0	50.9	5.4	53.8	5.2	55.8	4.9	58.4	4.6		
44.0	48.3	5.2	51.2	5.0	53.2	4.7	55.7	4.5		
46.0	45.5	5.0	48.5	4.8	50.4	4.6	52.7	4.4		
48.0	42.3	4.3	45.6	4.6	47.4	4.4	49.5	4.3		
50.0	38.8	3.4	42.0	3.8	44.0	4.0				
55.0	27.9	1.4	30.9	1.7	32.0	1.6				
$\theta$ (°)	25 ~ 83		27 ~ 83		30 ~ 83		46 ~ 83		64 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FA 40.9m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.9	7.0								
18.0	78.5	6.7								
20.0	76.9	6.2	80.3	4.9						
22.0	75.4	5.8	78.8	4.7						
24.0	73.8	5.4	77.2	4.4	80.2	3.7				
26.0	72.2	5.1	75.6	4.2	78.6	3.5				
28.0	70.6	4.8	74.1	4.0	77.0	3.4				
30.0	68.9	4.5	72.4	3.8	75.4	3.3	79.0	2.7		
32.0	67.2	4.2	70.8	3.6	73.7	3.1	77.3	2.6		
34.0	65.4	4.0	69.1	3.5	72.0	3.0	75.6	2.6	80.6	2.2
36.0	63.7	3.8	67.3	3.3	70.3	2.9	73.8	2.5	78.9	2.2
38.0	61.9	3.6	65.6	3.2	68.5	2.8	72.0	2.5	77.1	2.2
40.0	60.0	3.5	63.7	3.0	66.7	2.7	70.1	2.4	75.3	2.2
42.0	58.1	3.3	61.9	2.9	64.9	2.7	68.2	2.4	73.4	2.2
44.0	56.1	3.1	59.9	2.8	62.9	2.6	66.1	2.3	71.5	2.2
46.0	54.0	3.0	57.9	2.7	60.9	2.5	64.1	2.3		
48.0	51.9	2.9	55.8	2.6	58.8	2.4	61.9	2.2		
50.0	49.7	2.8	53.7	2.6	56.7	2.4	59.6	2.2		
55.0	43.5	2.5	47.6	2.3	50.6	2.2	53.4	2.2		
60.0	35.5	1.7	40.3	2.0	43.5	2.2				
$\theta$ (°)	26 ~ 83		31 ~ 83		33 ~ 83		50 ~ 83		68 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FA 45.5m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
11.0	81.1	22.1								
12.0	80.2	21.3								
14.0	78.4	19.8	79.6	16.3	81.0	14.0				
16.0	76.5	18.5	77.8	15.5	79.1	13.5	80.7	11.3		
18.0	74.6	17.3	75.9	14.8	77.3	13.0	78.8	11.0	79.7	8.5
20.0	72.6	15.5	74.0	14.1	75.4	12.6	76.8	10.8	77.6	8.5
22.0	70.5	13.8	72.1	13.6	73.4	12.2	74.8	10.6	75.4	8.5
24.0	68.3	12.3	70.0	12.3	71.4	11.9	72.8	10.4	73.3	8.5
26.0	66.1	11.0	67.7	11.0	69.3	11.1	70.8	10.3	71.0	8.5
28.0	63.9	9.8	65.5	9.9	67.0	10.0	68.5	9.8	68.8	8.5
30.0	61.6	8.8	63.2	8.9	64.6	9.0	66.2	9.2	66.4	8.5
32.0	59.2	7.9	60.8	8.0	62.2	8.1	63.7	8.3		
34.0	56.7	7.0	58.3	7.1	59.7	7.2	61.1	7.4		
36.0	54.1	6.2	55.7	6.3	57.1	6.4	58.3	6.6		
38.0	51.5	5.5	53.0	5.6	54.3	5.7	55.5	5.8		
40.0	48.6	4.8	50.1	4.9	51.4	5.0	52.5	5.2		
42.0	45.7	4.2	47.1	4.3	48.4	4.4	49.2	4.5		
44.0	42.5	3.6	43.9	3.7	45.1	3.8	45.8	4.0		
46.0	38.9	2.6	40.4	2.9	41.4	3.0				
48.0	35.0	1.7	36.3	1.9	37.3	2.0				
50.0			31.8	1.0	32.4	1.0				
$\theta$ (°)	31 ~ 83		30 ~ 83		31 ~ 83		43 ~ 83		64 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	80.3	11.1								
16.0	78.8	11.1								
18.0	77.1	10.7	79.9	8.8						
20.0	75.5	10.0	78.3	8.4	80.4	7.2				
22.0	73.8	9.4	76.6	8.0	78.7	7.0				
24.0	72.1	8.8	75.0	7.6	77.1	6.7	79.7	5.6		
26.0	70.3	8.3	73.3	7.3	75.4	6.5	78.0	5.4	79.5	4.0
28.0	68.6	7.9	71.6	7.0	73.7	6.3	76.2	5.3	77.6	4.0
30.0	66.8	7.5	69.8	6.7	71.9	6.1	74.4	5.2	75.6	4.0
32.0	64.9	7.1	68.0	6.4	70.1	5.9	72.6	5.1	73.5	4.0
34.0	63.0	6.8	66.2	6.2	68.3	5.7	70.7	5.0	71.4	4.0
36.0	61.1	6.5	64.3	6.0	66.4	5.6	68.8	5.0	69.2	4.0
38.0	59.0	6.0	62.3	5.8	64.4	5.4	66.8	4.9	67.1	4.0
40.0	56.8	5.4	60.3	5.6	62.5	5.3	64.7	4.9	64.9	4.0
42.0	54.6	4.9	58.1	5.1	60.3	5.1	62.6	4.8		
44.0	52.2	4.3	55.7	4.5	58.0	4.7	60.4	4.8		
46.0	49.8	3.8	53.3	4.0	55.5	4.2	57.9	4.5		
48.0	47.2	3.4	50.7	3.6	52.9	3.7	55.1	4.0		
50.0	44.5	3.0	48.0	3.1	50.2	3.3	52.1	3.5		
55.0	36.4	1.3	39.9	1.6	41.9	1.8				
$\theta$ (°)	31 ~ 83		34 ~ 83		35 ~ 83		48 ~ 83		62 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line



## Performance FA 45.5m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
18.0	79.7	6.8								
20.0	78.3	6.3								
22.0	76.9	5.9								
24.0	75.4	5.5	78.3	4.5						
26.0	74.0	5.2	76.8	4.2	79.9	3.5				
28.0	72.5	4.9	75.3	4.0	78.4	3.4				
30.0	71.0	4.6	73.9	3.9	77.0	3.3				
32.0	69.5	4.4	72.3	3.7	75.5	3.2	78.6	2.6		
34.0	68.0	4.2	70.8	3.5	74.0	3.1	77.0	2.6		
36.0	66.3	3.9	69.2	3.4	72.5	3.0	75.4	2.5	77.8	2.2
38.0	64.8	3.8	67.6	3.3	70.9	2.9	73.8	2.5	76.0	2.2
40.0	63.1	3.6	66.0	3.1	69.3	2.8	72.1	2.4	74.1	2.2
42.0	61.4	3.4	64.3	3.0	67.7	2.7	70.5	2.4	72.1	2.2
44.0	59.7	3.3	62.6	2.9	66.0	2.6	68.7	2.3	70.1	2.2
46.0	57.9	3.1	60.8	2.8	64.3	2.6	66.9	2.3	68.0	2.2
48.0	56.0	3.0	59.0	2.7	62.5	2.5	65.1	2.3	65.9	2.2
50.0	54.1	2.9	57.1	2.6	60.6	2.4	63.1	2.2		
55.0	48.8	2.4	52.0	2.4	55.7	2.3	58.0	2.2		
60.0	42.3	1.4	45.9	1.9	50.0	2.1	52.1	2.2		
$\theta$ (°)	39 ~ 83		39 ~ 83		43 ~ 83		47 ~ 83		64 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FA 50.1m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
12.0	81.0	16.4								
14.0	79.5	16.4	81.1	16.4						
16.0	78.0	16.4	79.5	15.7	80.7	13.6				
18.0	76.2	15.1	77.9	15.0	79.0	13.1	80.4	11.0		
20.0	74.3	13.2	76.0	13.3	77.3	12.7	78.7	10.8	79.2	8.3
22.0	72.4	11.7	74.1	11.8	75.5	12.0	76.9	10.6	77.4	8.3
24.0	70.4	10.3	72.1	10.4	73.5	10.6	75.1	10.4	75.5	8.3
26.0	68.4	9.1	70.1	9.2	71.5	9.4	73.2	9.7	73.6	8.3
28.0	66.4	8.0	68.0	8.2	69.4	8.3	71.1	8.7	71.6	8.3
30.0	64.3	7.0	65.9	7.2	67.3	7.4	68.9	7.7	69.5	8.1
32.0	62.2	6.2	63.8	6.4	65.1	6.5	66.6	6.8	67.1	7.2
34.0	60.0	5.4	61.6	5.6	62.9	5.8	64.3	6.0	64.6	6.3
36.0	57.7	4.7	59.3	4.9	60.6	5.1	62.0	5.3		
38.0	55.4	4.1	56.9	4.2	58.2	4.4	59.5	4.6		
40.0	53.0	3.5	54.5	3.7	55.7	3.8	56.9	4.0		
42.0	50.4	2.9	52.0	3.1	53.1	3.2	54.2	3.4		
44.0	47.8	2.4	49.3	2.6	50.4	2.7	51.4	2.9		
46.0	45.0	1.9	46.5	2.1	47.6	2.2	48.3	2.3		
48.0	42.0	1.5	43.5	1.6	44.5	1.7	45.1	1.8		
50.0			40.2	1.0	41.1	1.1				
$\theta$ (°)	39 ~ 83		39 ~ 83		39 ~ 83		44 ~ 83		62 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.8	8.5								
18.0	78.5	8.5								
20.0	77.1	8.5	79.7	8.5						
22.0	75.7	8.5	78.2	8.1	80.1	7.0				
24.0	74.3	8.5	76.7	7.7	78.6	6.7				
26.0	72.9	8.5	75.2	7.4	77.1	6.5	79.5	5.4		
28.0	71.3	8.1	73.7	7.1	75.6	6.3	78.0	5.3	79.3	3.9
30.0	69.7	7.6	72.1	6.8	74.0	6.1	76.4	5.2	77.6	3.9
32.0	67.9	6.7	70.4	6.6	72.4	6.0	74.8	5.1	75.8	3.9
34.0	66.1	6.0	68.8	6.3	70.8	5.8	73.2	5.1	74.0	3.9
36.0	64.2	5.3	67.0	5.6	69.2	5.7	71.5	5.0	72.1	3.9
38.0	62.3	4.7	65.1	5.0	67.3	5.3	69.7	4.9	70.2	3.9
40.0	60.4	4.2	63.1	4.4	65.4	4.7	68.0	4.9	68.2	3.9
42.0	58.3	3.6	61.1	3.9	63.3	4.2	66.0	4.5	66.2	3.9
44.0	56.3	3.2	58.9	3.4	61.2	3.7	63.8	4.0		
46.0	54.1	2.7	56.9	3.0	59.0	3.2	61.5	3.5		
48.0	51.9	2.3	54.7	2.6	56.8	2.8	59.1	3.1		
50.0	49.6	1.9	52.4	2.2	54.4	2.4	56.6	2.6		
55.0			45.9	1.2	47.9	1.4	49.7	1.6		
$\theta$ (°)	44 ~ 83		41 ~ 83		43 ~ 83		47 ~ 83		63 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FA 50.1m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
20.0	79.1	5.3								
22.0	77.9	5.3								
24.0	76.7	5.3	79.7	4.5						
26.0	75.5	5.3	78.5	4.3						
28.0	74.2	5.1	77.1	4.1	79.7	3.4				
30.0	72.8	4.8	75.8	3.9	78.4	3.3				
32.0	71.4	4.5	74.5	3.8	77.1	3.2				
34.0	70.0	4.3	73.1	3.6	75.7	3.1	78.7	2.6		
36.0	68.6	4.1	71.7	3.5	74.4	3.0	77.2	2.5		
38.0	67.1	3.9	70.3	3.3	73.0	2.9	75.8	2.5	77.7	2.0
40.0	65.6	3.7	68.9	3.2	71.5	2.8	74.3	2.4	76.1	2.0
42.0	64.2	3.6	67.4	3.1	70.1	2.8	72.9	2.4	74.5	2.0
44.0	62.6	3.4	65.9	3.0	68.6	2.7	71.3	2.3	72.8	2.0
46.0	60.9	3.1	64.4	2.9	67.1	2.6	69.8	2.3	71.0	2.0
48.0	59.1	2.7	62.8	2.8	65.5	2.5	68.3	2.3	69.2	2.0
50.0	57.3	2.4	61.2	2.7	64.0	2.5	66.6	2.2	67.3	2.0
55.0	52.3	1.5	56.3	1.8	59.5	2.1	62.3	2.2		
60.0			50.9	1.1	54.1	1.3	57.0	1.7		
$\theta$ (°)	49 ~ 83		48 ~ 83		49 ~ 83		51 ~ 83		65 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FB 31.8m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
7.0	81.1	22.5								
8.0	79.8	22.5								
9.0	78.6	22.5	80.8	18.7						
10.0	77.4	22.1	79.6	18.0	81.4	15.3				
11.0	76.1	20.9	78.3	17.3	80.0	14.9				
12.0	74.8	19.9	77.0	16.7	78.7	14.5	81.1	12.0		
14.0	72.1	18.2	74.3	15.6	76.1	13.7	78.4	11.6	80.3	9.3
16.0	69.4	16.7	71.6	14.6	73.3	13.1	75.5	11.3	77.2	9.1
18.0	66.6	15.4	68.9	13.7	70.5	12.5	72.6	10.9	74.1	9.1
20.0	63.7	14.3	66.0	13.0	67.6	12.0	69.6	10.7	70.8	9.0
22.0	60.7	13.4	63.0	12.3	64.6	11.5	66.4	10.5	67.5	9.0
24.0	57.7	12.6	60.0	11.7	61.5	11.1	63.2	10.3		
26.0	54.5	11.8	56.8	11.2	58.3	10.8	59.9	10.1		
28.0	51.1	11.2	53.4	10.8	54.8	10.5	56.4	10.1		
30.0	47.3	9.6	49.7	10.0	51.2	10.2	52.5	9.9		
32.0	43.3	7.9	45.6	8.3	46.9	8.5	48.0	8.7		
34.0	38.9	6.4	41.1	6.7	42.2	6.9				
36.0	33.9	5.0	36.0	5.2	36.9	5.4				
38.0	28.0	3.6	29.9	3.8						
40.0	20.4	2.4	21.8	2.5						
$\theta$ (°)	15 ~ 83		19 ~ 83		33 ~ 83		44 ~ 83		64 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
10.0	80.5	11.2								
11.0	79.5	11.2								
12.0	78.5	11.2								
14.0	76.4	11.2	79.8	9.8						
16.0	74.2	10.7	77.6	9.1	80.4	7.7				
18.0	72.0	9.8	75.3	8.5	78.2	7.3				
20.0	69.8	9.1	73.1	8.0	75.9	7.0	79.7	5.9		
22.0	67.4	8.4	70.8	7.5	73.6	6.7	77.2	5.7	80.3	4.4
24.0	65.0	7.8	68.4	7.1	71.2	6.4	74.7	5.5	77.5	4.4
26.0	62.6	7.3	65.8	6.7	68.7	6.2	72.2	5.4	74.6	4.3
28.0	60.0	6.8	63.4	6.3	66.2	5.9	69.4	5.3	71.6	4.3
30.0	57.4	6.4	60.8	6.0	63.6	5.7	66.8	5.1	68.5	4.3
32.0	54.7	6.1	58.1	5.8	60.8	5.5	63.9	5.0	65.2	4.3
34.0	51.8	5.7	55.2	5.5	57.9	5.3	60.9	4.9		
36.0	48.8	5.4	52.2	5.3	54.9	5.0	57.6	4.7		
38.0	45.6	5.2	49.0	5.1	51.6	4.8	54.1	4.6		
40.0	42.1	4.9	45.5	4.8	48.1	4.6	50.3	4.5		
42.0	38.2	4.4	41.7	4.6	44.1	4.4				
44.0	33.6	3.3	37.1	3.7	39.6	4.0				
46.0	28.3	2.4	31.7	2.7	33.6	2.8				
48.0	21.5	1.6	24.4	1.7						
$\theta$ (°)	16 ~ 83		21 ~ 83		31 ~ 83		46 ~ 83		63 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FB 31.8m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.3	7.0								
16.0	77.6	7.0								
18.0	75.8	6.4	79.8	5.2						
20.0	73.9	5.9	78.0	4.8						
22.0	72.0	5.5	76.1	4.5	79.7	3.8				
24.0	70.1	5.1	74.2	4.2	77.7	3.6				
26.0	68.1	4.7	72.2	4.0	75.8	3.5	80.5	2.9		
28.0	66.0	4.4	70.3	3.8	73.8	3.3	78.4	2.8		
30.0	64.0	4.1	68.2	3.6	71.8	3.2	76.3	2.7	80.6	2.3
32.0	61.8	3.9	66.1	3.4	69.6	3.0	74.1	2.6	78.2	2.3
34.0	59.7	3.7	63.9	3.2	67.5	2.9	71.9	2.5	75.6	2.2
36.0	57.4	3.5	61.7	3.1	65.3	2.8	69.7	2.5	73.0	2.2
38.0	55.0	3.3	59.5	3.0	63.0	2.7	67.2	2.4	70.3	2.2
40.0	52.6	3.1	57.0	2.8	60.5	2.6	64.7	2.3	67.4	2.2
42.0	50.0	3.0	54.5	2.7	58.0	2.5	62.1	2.3		
44.0	47.3	2.8	51.9	2.6	55.3	2.4	59.4	2.3		
46.0	44.4	2.7	49.0	2.5	52.5	2.4	56.3	2.2		
48.0	41.3	2.6	46.0	2.4	49.4	2.3	53.1	2.2		
50.0	37.9	2.5	42.7	2.4	46.1	2.3	49.5	2.2		
55.0	26.0	1.2	31.1	1.4						
$\theta$ (°)	22 ~ 83		27 ~ 83		36 ~ 83		46 ~ 83		65 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FB 40.9m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
10.0	80.5	22.1								
11.0	79.5	21.9	81.2	17.7						
12.0	78.4	21.0	80.2	17.2						
14.0	76.4	19.4	78.1	16.2	79.5	14.0				
16.0	74.3	18.0	76.1	15.3	77.4	13.4	79.1	11.3	80.5	8.7
18.0	72.1	16.8	73.9	14.6	75.2	12.9	76.9	11.0	78.1	8.7
20.0	70.0	15.8	71.8	13.9	73.0	12.5	74.7	10.8	75.7	8.6
22.0	67.7	14.9	69.6	13.2	70.8	12.0	72.4	10.6	73.3	8.6
24.0	65.4	14.0	67.3	12.7	68.5	11.7	70.1	10.4	70.8	8.6
26.0	63.0	13.2	65.0	12.2	66.1	11.3	67.6	10.3	68.2	8.6
28.0	60.4	11.4	62.5	11.4	63.7	10.8	65.2	10.1	65.5	8.6
30.0	57.6	9.5	59.8	10.1	61.1	10.1	62.5	9.7		
32.0	54.8	7.8	56.9	8.3	58.2	8.7	59.7	9.1		
34.0	51.8	6.4	53.8	6.8	55.0	7.1	56.4	7.5		
36.0	48.6	4.9	50.6	5.3	51.8	5.7	53.0	6.0		
38.0	45.3	3.5	47.2	3.9	48.3	4.2	49.3	4.5		
40.0	41.7	2.4	43.6	2.7	44.6	2.9	45.2	3.1		
42.0	37.9	1.3	39.7	1.6	40.5	1.8				
$\theta$ (°)	36 ~ 83		36 ~ 83		36 ~ 83		43 ~ 83		63 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.3	11.1								
16.0	77.6	11.1	8.03	9.3						
18.0	75.8	10.5	78.5	8.8						
20.0	74.0	9.8	76.7	8.3	78.9	7.2				
22.0	72.1	9.1	74.9	7.9	77.1	6.9	80.2	5.7		
24.0	70.3	8.6	73.0	7.5	75.2	6.6	78.3	5.6	80.5	4.2
26.0	68.3	8.1	71.1	7.1	73.3	6.4	76.3	5.4	78.4	4.2
28.0	66.4	7.6	69.1	6.8	71.3	6.2	74.3	5.3	76.1	4.1
30.0	64.4	7.2	67.2	6.5	69.3	6.0	72.3	5.2	73.9	4.1
32.0	62.3	6.8	65.1	6.3	67.3	5.8	70.2	5.1	71.5	4.1
34.0	60.2	6.5	63.0	6.0	65.2	5.6	67.9	5.0	69.1	4.1
36.0	58.0	6.2	60.9	5.8	63.0	5.5	65.8	5.0	66.6	4.1
38.0	55.7	5.9	58.6	5.6	60.7	5.3	63.5	4.9		
40.0	53.1	5.0	56.3	5.4	58.3	5.1	61.0	4.7		
42.0	50.3	3.9	53.6	4.6	55.8	4.9	58.4	4.6		
44.0	47.4	2.9	50.6	3.5	52.8	4.0	55.7	4.5		
46.0	44.3	2.0	47.4	2.6	49.6	3.0	52.0	3.3		
48.0	41.0	1.2	44.0	1.7	46.1	2.0	48.0	2.2		
50.0					42.2	1.1				
$\theta$ (°)	37 ~ 83		40 ~ 83		39 ~ 83		46 ~ 83		64 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FB 40.9m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.9	7.0								
18.0	78.5	6.7								
20.0	76.9	6.2	80.3	4.9						
22.0	75.4	5.8	78.8	4.7						
24.0	73.8	5.4	77.2	4.4	80.2	3.7				
26.0	72.2	5.1	75.6	4.2	78.6	3.5				
28.0	70.6	4.8	74.1	4.0	77.0	3.4				
30.0	68.9	4.5	72.4	3.8	75.4	3.3	79.0	2.7		
32.0	67.2	4.2	70.8	3.6	73.7	3.1	77.3	2.6		
34.0	65.4	4.0	69.1	3.5	72.0	3.0	75.6	2.6	80.6	2.2
36.0	63.7	3.8	67.3	3.3	70.3	2.9	73.8	2.5	78.9	2.2
38.0	61.9	3.6	65.6	3.2	68.5	2.8	72.0	2.5	77.1	2.2
40.0	60.0	3.5	63.7	3.0	66.7	2.7	70.1	2.4	75.3	2.2
42.0	58.1	3.3	61.9	2.9	64.9	2.7	68.2	2.4	73.4	2.2
44.0	56.1	3.1	59.9	2.8	62.9	2.6	66.1	2.3	71.5	2.2
46.0	54.0	3.0	57.9	2.7	60.9	2.5	64.1	2.3		
48.0	51.9	2.9	55.8	2.6	58.8	2.4	61.9	2.2		
50.0	49.4	2.3	53.7	2.6	56.7	2.4	59.6	2.2		
55.0					50.0	1.5	53.0	1.8		
$\theta$ (°)	43 ~ 83		45 ~ 83		48 ~ 83		50 ~ 83		68 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FB 45.5m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
11.0	81.1	22.1								
12.0	80.2	21.3								
14.0	78.4	19.8	79.6	16.3	81.0	14.0				
16.0	76.5	18.5	77.8	15.5	79.1	13.5	80.7	11.3		
18.0	74.6	17.3	75.9	14.8	77.3	13.0	78.8	11.0	79.7	8.5
20.0	72.6	15.5	74.0	14.1	75.4	12.6	76.8	10.8	77.6	8.5
22.0	70.5	13.8	72.1	13.6	73.4	12.2	74.8	10.6	75.4	8.5
24.0	68.3	12.3	70.0	12.3	71.4	11.9	72.8	10.4	73.3	8.5
26.0	66.1	11.0	67.7	11.0	69.3	11.1	70.8	10.3	71.0	8.5
28.0	63.9	9.8	65.5	9.9	67.0	10.0	68.5	9.8	68.8	8.5
30.0	61.6	8.8	63.2	8.9	64.6	9.0	66.2	9.2	66.4	8.5
32.0	59.2	7.8	60.8	8.0	62.2	8.1	63.7	8.3		
34.0	56.5	6.3	58.2	6.8	59.7	7.2	61.1	7.4		
36.0	53.7	4.8	55.4	5.3	56.7	5.8	58.2	6.1		
38.0	50.9	3.5	52.4	3.9	53.8	4.3	55.0	4.6		
40.0	47.9	2.3	49.4	2.7	50.7	3.0	51.7	3.2		
42.0	44.7	1.2	46.2	1.6	47.4	1.8	48.2	2.0		
$\theta$ (°)	43 ~ 83		43 ~ 83		44 ~ 83		44 ~ 83		64 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	80.3	11.1								
16.0	78.8	11.1								
18.0	77.1	10.7	79.9	8.8						
20.0	75.5	10.0	78.3	8.4	80.4	7.2				
22.0	73.8	9.4	76.6	8.0	78.7	7.0				
24.0	72.1	8.8	75.0	7.6	77.1	6.7	79.7	5.6		
26.0	70.3	8.3	73.3	7.3	75.4	6.5	78.0	5.4	79.5	4.0
28.0	68.6	7.9	71.6	7.0	73.7	6.3	76.2	5.3	77.6	4.0
30.0	66.8	7.5	69.8	6.7	71.9	6.1	74.4	5.2	75.6	4.0
32.0	64.9	7.1	68.0	6.4	70.1	5.9	72.6	5.1	73.5	4.0
34.0	63.0	6.8	66.2	6.2	68.3	5.7	70.7	5.0	71.4	4.0
36.0	61.1	6.5	64.3	6.0	66.4	5.6	68.8	5.0	69.2	4.0
38.0	59.0	6.0	62.3	5.8	64.4	5.4	66.8	4.9	67.1	4.0
40.0	56.6	4.9	60.3	5.6	62.5	5.3	64.7	4.9	64.9	4.0
42.0	54.1	3.7	57.8	4.5	60.3	5.1	62.6	4.8		
44.0	51.6	2.8	55.2	3.4	57.6	4.0	60.3	4.6		
46.0	49.0	1.9	52.5	2.5	54.8	2.9	57.2	3.4		
48.0	46.0	1.0	49.6	1.6	51.8	2.0	54.0	2.4		
50.0							50.6	1.4		
$\theta$ (°)	45 ~ 83		48 ~ 83		48 ~ 83		49 ~ 83		62 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line



## Performance FB 45.5m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
18.0	79.7	6.8								
20.0	78.3	6.3								
22.0	76.9	5.9								
24.0	75.4	5.5	78.3	4.5						
26.0	74.0	5.2	76.8	4.2	79.9	3.5				
28.0	72.5	4.9	75.3	4.0	78.4	3.4				
30.0	71.0	4.6	73.9	3.9	77.0	3.3				
32.0	69.5	4.4	72.3	3.7	75.5	3.2	78.6	2.6		
34.0	68.0	4.2	70.8	3.5	74.0	3.1	77.0	2.6		
36.0	66.3	3.9	69.2	3.4	72.5	3.0	75.4	2.5	77.8	2.2
38.0	64.8	3.8	67.6	3.3	70.9	2.9	73.8	2.5	76.0	2.2
40.0	63.1	3.6	66.0	3.1	69.3	2.8	72.1	2.4	74.1	2.2
42.0	61.4	3.4	64.3	3.0	67.7	2.7	70.5	2.4	72.1	2.2
44.0	59.7	3.3	62.6	2.9	66.0	2.6	68.7	2.3	70.1	2.2
46.0	57.9	3.1	60.8	2.8	64.3	2.6	66.9	2.3	68.0	2.2
48.0	55.9	2.8	59.0	2.7	62.5	2.5	65.1	2.3	65.9	2.2
50.0	53.4	2.0	57.1	2.6	60.6	2.4	63.1	2.2		
55.0					54.9	1.5	57.6	1.9		
$\theta$ (°)	50 ~ 83		52 ~ 83		53 ~ 83		54 ~ 83		64 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FB 50.1m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
12.0	81.0	16.4								
14.0	79.5	16.4	81.1	16.4						
16.0	78.0	16.4	79.5	15.7	80.7	13.6				
18.0	76.2	15.1	77.9	15.0	79.0	13.1	80.4	11.0		
20.0	74.3	13.2	76.0	13.3	77.3	12.7	78.7	10.8	79.2	8.3
22.0	72.4	11.7	74.1	11.8	75.5	12.0	76.9	10.6	77.4	8.3
24.0	70.4	10.3	72.1	10.4	73.5	10.6	75.1	10.4	75.5	8.3
26.0	68.4	9.1	70.1	9.2	71.5	9.4	73.2	9.7	73.6	8.3
28.0	66.4	8.0	68.0	8.2	69.4	8.3	71.1	8.7	71.6	8.4
30.0	64.3	7.0	65.9	7.2	67.3	7.4	68.9	7.7	69.5	8.1
32.0	62.2	6.2	63.8	6.4	65.1	6.5	66.6	6.8	67.1	7.2
34.0	60.0	5.4	61.6	5.6	62.9	5.8	64.3	6.0	64.6	6.3
36.0	57.7	4.7	59.3	4.9	60.6	5.1	62.0	5.3		
38.0	55.0	3.4	56.8	3.9	58.2	4.3	59.5	4.6		
40.0	52.5	2.2	54.2	2.7	55.4	3.0	56.6	3.4		
42.0	49.8	1.2	51.4	1.6	52.6	1.9	53.6	2.1		
$\theta$ (°)	48 ~ 83		50 ~ 83		51 ~ 83		50 ~ 83		62 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.8	8.5								
18.0	78.5	8.5								
20.0	77.1	8.5	79.7	8.5						
22.0	75.7	8.5	78.2	8.1	80.1	7.0				
24.0	74.3	8.5	76.7	7.7	78.6	6.7				
26.0	72.9	8.5	75.2	7.4	77.1	6.5	79.5	5.4		
28.0	71.3	8.1	73.7	7.1	75.6	6.3	78.0	5.3	79.3	3.9
30.0	69.7	7.6	72.1	6.8	74.0	6.1	76.4	5.2	77.6	3.9
32.0	67.9	6.7	70.4	6.6	72.4	6.0	74.8	5.1	75.8	3.9
34.0	66.1	6.0	68.8	6.3	70.8	5.8	73.2	5.1	74.0	3.9
36.0	64.2	5.3	67.0	5.6	69.2	5.7	71.5	5.0	72.1	3.9
38.0	62.3	4.7	65.1	5.0	67.3	5.3	69.7	4.9	70.2	3.9
40.0	60.4	4.2	63.1	4.4	65.4	4.7	68.0	4.9	68.2	3.9
42.0	58.3	3.6	61.1	3.9	63.3	4.2	66.0	4.5	66.2	3.9
44.0	56.0	2.6	59.0	3.3	61.2	3.7	63.8	4.0		
46.0	53.6	1.7	56.4	2.3	58.8	2.9	61.5	3.5		
48.0			54.0	1.5	56.3	2.0	58.6	2.4		
50.0							55.7	1.5		
$\theta$ (°)	53 ~ 83		53 ~ 83		54 ~ 83		54 ~ 83		63 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FB 50.1m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
20.0	79.1	5.3								
22.0	77.9	5.3								
24.0	76.7	5.3	79.7	4.5						
26.0	75.5	5.3	78.5	4.3						
28.0	74.2	5.1	77.1	4.1	79.7	3.4				
30.0	72.8	4.8	75.8	3.9	78.4	3.3				
32.0	71.4	4.5	74.5	3.8	77.1	3.2				
34.0	70.0	4.3	73.1	3.6	75.7	3.1	78.7	2.6		
36.0	68.6	4.1	71.7	3.5	74.4	3.0	77.2	2.5		
38.0	67.1	3.9	70.3	3.3	73.0	2.9	75.8	2.5	77.7	2.0
40.0	65.6	3.7	68.9	3.2	71.5	2.8	74.3	2.4	76.1	2.0
42.0	64.2	3.6	67.4	3.1	70.1	2.8	72.9	2.4	74.5	2.0
44.0	62.6	3.4	65.9	3.0	68.6	2.7	71.3	2.3	72.8	2.0
46.0	60.9	3.1	64.4	2.9	67.1	2.6	69.8	2.3	71.0	2.0
48.0	58.9	2.5	62.8	2.8	65.5	2.5	68.3	2.3	69.2	2.0
50.0	56.8	1.8	61.1	2.6	64.0	2.5	66.6	2.2	67.3	2.0
55.0							62.0	1.9		
$\theta$ (°)	55 ~ 83		58 ~ 83		59 ~ 83		59 ~ 83		65 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FC 31.8m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
7.0	81.1	22.5								
8.0	79.8	22.5								
9.0	78.6	22.5	80.8	18.7						
10.0	77.4	22.1	79.6	18.0	81.4	15.3				
11.0	76.1	20.9	78.3	17.3	80.0	14.9				
12.0	74.8	19.9	77.0	16.7	78.7	14.5	81.1	12.0		
14.0	72.1	18.2	74.3	15.6	76.1	13.7	78.4	11.6	80.3	9.3
16.0	69.4	16.7	71.6	14.6	73.3	13.1	75.5	11.3	77.2	9.1
18.0	66.6	15.4	68.9	13.7	70.5	12.5	72.6	10.9	74.1	9.1
20.0	63.7	14.3	66.0	13.0	67.6	12.0	69.6	10.7	70.8	9.0
22.0	60.7	13.2	63.0	12.3	64.6	11.5	66.4	10.5	67.5	9.0
24.0	57.4	10.5	59.9	11.2	61.5	11.1	63.2	10.3		
26.0	54.0	8.3	56.4	8.9	58.1	9.5	59.9	10.0		
28.0	50.5	6.4	52.8	7.0	54.3	7.4	55.9	7.8		
30.0	46.7	4.8	48.9	5.3	50.4	5.6	51.7	5.9		
32.0	42.6	3.3	44.8	3.8	46.1	4.1	47.0	4.3		
34.0	38.2	1.9	40.2	2.3	41.3	2.5				
36.0					35.9	1.1				
$\theta$ (°)	34 ~ 83		35 ~ 83		35 ~ 83		44 ~ 83		64 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
10.0	80.5	11.2								
11.0	79.5	11.2								
12.0	78.5	11.2								
14.0	76.4	11.2	79.8	9.8						
16.0	74.2	10.7	77.6	9.1	80.4	7.7				
18.0	72.0	9.8	75.3	8.5	78.2	7.3				
20.0	69.8	9.1	73.1	8.0	75.9	7.0	79.7	5.9		
22.0	67.4	8.4	70.8	7.5	73.6	6.7	77.2	5.7	80.3	4.4
24.0	65.0	7.8	68.4	7.1	71.2	6.4	74.7	5.5	77.5	4.4
26.0	62.6	7.3	65.8	6.7	68.7	6.2	72.2	5.4	74.6	4.3
28.0	60.0	6.8	63.4	6.3	66.2	5.9	69.4	5.3	71.6	4.3
30.0	57.4	6.4	60.8	6.0	63.6	5.7	66.8	5.1	68.5	4.3
32.0	54.7	6.1	58.1	5.8	60.8	5.5	63.9	5.0	65.2	4.3
34.0	51.6	4.8	55.2	5.5	57.9	5.3	60.9	4.9		
36.0	48.3	3.7	51.9	4.3	54.8	4.9	57.6	4.7		
38.0	44.9	2.7	48.4	3.3	51.2	3.8	54.0	4.2		
40.0	41.1	1.6	44.6	2.2	47.2	2.7	49.5	3.0		
42.0			40.4	1.2	44.8	1.5				
$\theta$ (°)	37 ~ 83		39 ~ 83		40 ~ 83		46 ~ 83		63 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

Performance FC Unit: ton 31.8m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.3	7.0								
16.0	77.6	7.0								
18.0	75.8	6.4	79.8	5.2						
20.0	73.9	5.9	78.0	4.8						
22.0	72.0	5.5	76.1	4.5	79.7	3.8				
24.0	70.1	5.1	74.2	4.2	77.7	3.6				
26.0	68.1	4.7	72.2	4.0	75.8	3.5	80.5	2.9		
28.0	66.0	4.4	70.3	3.8	73.8	3.3	78.4	2.8		
30.0	64.0	4.1	68.2	3.6	71.8	3.2	76.3	2.7	80.6	2.3
32.0	61.8	3.9	66.1	3.4	69.6	3.0	74.1	2.6	78.2	2.3
34.0	59.7	3.7	63.9	3.2	67.5	2.9	71.9	2.5	75.6	2.2
36.0	57.4	3.5	61.7	3.1	65.3	2.8	69.7	2.5	73.0	2.2
38.0	55.0	3.3	59.5	3.0	63.0	2.7	67.2	2.4	70.3	2.2
40.0	52.6	3.1	57.0	2.8	60.5	2.6	64.7	2.3	67.4	2.2
42.0	49.9	2.8	54.5	2.7	58.0	2.5	62.1	2.3		
44.0	46.9	2.0	51.9	2.6	55.3	2.4	59.4	2.3		
46.0	43.7	1.2	48.6	1.9	52.5	2.4	56.3	2.2		
48.0			45.0	1.1	48.9	1.6	52.9	2.0		
$\theta$ (°)	42 ~ 83		44 ~ 83		47 ~ 83		50 ~ 83		65 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FC 40.9m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
10.0	80.5	22.1								
11.0	79.5	21.9	81.2	17.7						
12.0	78.4	21.0	80.2	17.2						
14.0	76.4	19.4	78.1	16.2	79.5	14.0				
16.0	74.3	18.0	76.1	15.3	77.4	13.4	79.1	11.3	80.5	8.7
18.0	72.1	16.8	73.9	14.6	75.2	12.9	76.9	11.0	78.1	8.7
20.0	70.0	15.8	71.8	13.9	73.0	12.5	74.7	10.8	75.7	8.6
22.0	67.5	13.1	69.6	13.2	70.8	12.0	72.4	10.6	73.3	8.6
24.0	64.9	10.4	67.0	11.2	68.5	11.7	70.1	10.4	70.8	8.6
26.0	62.2	8.2	64.3	8.9	65.8	9.6	67.6	10.3	68.2	8.6
28.0	59.5	6.3	61.6	7.0	63.0	7.6	64.7	8.1	65.5	8.4
30.0	56.7	4.7	58.8	5.3	60.1	5.8	61.7	6.3		
32.0	53.8	3.2	55.8	3.9	57.1	4.3	58.5	4.7		
34.0					54.0	2.8	55.2	3.2		
$\theta$ (°)	53 ~ 83		54 ~ 83		53 ~ 83		54 ~ 83		63 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.3	11.1								
16.0	77.6	11.1	80.3	9.3						
18.0	75.8	10.5	78.5	8.8						
20.0	74.0	9.8	76.7	8.3	78.9	7.2				
22.0	72.1	9.1	74.9	7.9	77.1	6.9	80.2	5.7		
24.0	70.3	8.6	73.0	7.5	75.2	6.6	78.3	5.6	80.5	4.2
26.0	68.3	8.1	71.1	7.1	73.3	6.4	76.3	5.4	78.4	4.2
28.0	66.4	7.6	69.1	6.8	71.3	6.2	74.3	5.3	76.1	4.1
30.0	64.4	7.2	67.2	6.5	69.3	6.0	72.3	5.2	73.9	4.1
32.0	62.0	5.7	65.1	6.3	67.3	5.8	70.2	5.1	71.5	4.1
34.0	59.6	4.5	62.8	5.3	65.2	5.6	67.9	5.0	69.1	4.1
36.0	57.1	3.4	60.2	4.1	62.7	4.8	65.8	5.0	66.6	4.1
38.0			57.7	3.1	60.0	3.7	63.2	4.4		
40.0					57.2	2.6	60.2	3.3		
42.0							57.0	2.1		
$\theta$ (°)	56 ~ 83		56 ~ 83		56 ~ 83		55 ~ 83		64 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FC 40.9m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.9	7.0								
18.0	78.5	6.7								
20.0	76.9	6.2	80.3	4.9						
22.0	75.4	5.8	78.8	4.7						
24.0	73.8	5.4	77.2	4.4	80.2	3.7				
26.0	72.2	5.1	75.6	4.2	78.6	3.5				
28.0	70.6	4.8	74.1	4.0	77.0	3.4				
30.0	68.9	4.5	72.4	3.8	75.4	3.3	79.0	2.7		
32.0	67.2	4.2	70.8	3.6	73.7	3.1	77.3	2.6		
34.0	65.4	4.0	69.1	3.5	72.0	3.0	75.6	2.6	80.6	2.2
36.0	63.7	3.8	67.3	3.3	70.3	2.9	73.8	2.5	78.9	2.2
38.0	61.9	3.6	65.6	3.2	68.5	2.8	72.0	2.5	77.1	2.2
40.0	59.8	3.1	63.7	3.0	66.7	2.7	70.1	2.4	75.3	2.2
42.0	57.6	2.2	61.9	2.9	64.9	2.7	68.2	2.4	73.4	2.2
44.0			59.6	2.3	62.9	2.6	66.1	2.3	71.5	2.2
46.0					60.7	2.2	64.1	2.3		
48.0							61.8	2.1		
$\theta$ (°)	56 ~ 83		58 ~ 83		59 ~ 83		60 ~ 83		68 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line





## Performance FC 45.5m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
18.0	79.7	6.8								
20.0	78.3	6.3								
22.0	76.9	5.9								
24.0	75.4	5.5	78.3	4.5						
26.0	74.0	5.2	76.8	4.2	79.9	3.5				
28.0	72.5	4.9	75.3	4.0	78.4	3.4				
30.0	71.0	4.6	73.9	3.9	77.0	3.3				
32.0	69.5	4.4	72.3	3.7	75.5	3.2	78.6	2.6		
34.0	68.0	4.2	70.8	3.5	74.0	3.1	77.0	2.6		
36.0	66.3	3.9	69.2	3.4	72.5	3.0	75.4	2.5	77.8	2.2
38.0	64.8	3.8	67.6	3.3	70.9	2.9	73.8	2.5	76.0	2.2
40.0	62.7	2.8	66.0	3.1	69.3	2.8	72.1	2.4	74.1	2.2
42.0			64.3	3.0	67.7	2.7	70.5	2.4	72.1	2.2
44.0					66.0	2.6	68.7	2.3	70.1	2.2
46.0							66.9	2.3	68.0	2.2
48.0									65.9	2.2
$\theta$ (°)	61 ~ 83		62 ~ 83		64 ~ 83		65 ~ 83		64 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FC 50.1m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
12.0	81.0	16.4								
14.0	79.5	16.4	81.1	16.4						
16.0	78.0	16.4	79.5	15.7	80.7	13.6				
18.0	76.2	15.1	77.9	15.0	79.0	13.1	80.4	11.0		
20.0	74.3	13.2	76.0	13.3	77.3	12.7	78.7	10.8	79.2	8.3
22.0	72.4	11.7	74.1	11.8	75.5	12.0	76.9	10.6	77.4	8.3
24.0	70.4	10.3	72.1	10.4	73.5	10.6	75.1	10.4	75.5	8.3
26.0	68.2	8.1	70.0	8.9	71.5	9.4	73.2	9.7	73.6	8.3
28.0	66.0	6.2	67.7	7.0	69.2	7.6	71.0	8.3	71.6	8.4
30.0	63.7	4.6	65.4	5.3	66.8	5.8	68.5	6.4	69.1	6.8
32.0					64.4	4.3	65.9	4.8	66.4	5.1
$\theta$ (°)	62 ~ 83		64 ~ 83		63 ~ 83		64 ~ 83		64 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.8	8.5								
18.0	78.5	8.5								
20.0	77.1	8.5	79.7	8.5						
22.0	75.7	8.5	78.2	8.1	80.1	7.0				
24.0	74.3	8.5	76.7	7.7	78.6	6.7				
26.0	72.9	8.5	75.2	7.4	77.1	6.5	79.5	5.4		
28.0	71.3	8.1	73.7	7.1	75.6	6.3	78.0	5.3	79.3	3.9
30.0	69.4	6.8	72.1	6.8	74.0	6.1	76.4	5.2	77.6	3.9
32.0	67.4	5.4	70.4	6.4	72.4	6.0	74.8	5.1	75.8	3.9
34.0	65.4	4.2	68.4	5.1	70.8	5.8	73.2	5.1	74.0	3.9
36.0			66.2	3.9	68.7	4.7	71.5	5.0	72.1	3.9
38.0					66.5	3.6	69.4	4.4	70.2	3.9
40.0							67.0	3.3	68.2	3.7
$\theta$ (°)	64 ~ 83		64 ~ 83		64 ~ 83		65 ~ 83		66 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FC 50.1m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
20.0	79.1	5.3								
22.0	77.9	5.3								
24.0	76.7	5.3	79.7	4.5						
26.0	75.5	5.3	78.5	4.3						
28.0	74.2	5.1	77.1	4.1	79.7	3.4				
30.0	72.8	4.8	75.8	3.9	78.4	3.3				
32.0	71.4	4.5	74.5	3.8	77.1	3.2				
34.0	70.0	4.3	73.1	3.6	75.7	3.1	78.7	2.6		
36.0	68.6	4.1	71.7	3.5	74.4	3.0	77.2	2.5		
38.0	66.7	3.6	70.2	3.3	73.0	2.9	75.8	2.5	77.7	2.0
40.0			68.8	3.2	71.5	2.8	74.3	2.4	76.1	2.0
42.0					70.1	2.8	72.9	2.4	74.5	2.0
44.0					68.6	2.7	71.3	2.3	72.8	2.0
46.0							69.8	2.3	71.0	2.0
48.0									69.2	2.0
$\theta$ (°)	65 ~ 83		67 ~ 83		66 ~ 83		68 ~ 83		68 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FD 31.8m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
7.0	81.1	22.5								
8.0	79.8	22.5								
9.0	78.6	22.5	80.8	18.7						
10.0	77.4	22.1	79.6	18.0	81.4	15.3				
11.0	76.1	20.9	78.3	17.3	80.0	14.9				
12.0	74.8	19.9	77.0	16.7	78.7	14.5	81.1	12.0		
14.0	72.1	18.2	74.3	15.6	76.1	13.7	78.4	11.6	80.3	9.3
16.0	69.3	15.4	71.6	14.6	73.3	13.1	75.5	11.3	77.2	9.1
18.0	66.2	11.1	68.7	12.3	70.5	12.5	72.6	10.9	74.1	9.1
20.0	63.1	7.8	65.5	8.9	67.4	9.8	69.6	10.7	70.8	9.0
22.0	59.9	5.3	62.3	6.2	64.0	7.0	66.2	7.9	67.4	8.5
24.0	56.7	3.3	58.9	4.1	60.6	4.7	62.6	5.5		
26.0							58.8	3.5		
$\theta$ (°)	56 ~ 83		58 ~ 83		59 ~ 83		57 ~ 83		64 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
10.0	80.5	11.2								
11.0	79.5	11.2								
12.0	78.5	11.2								
14.0	76.4	11.2	79.8	9.8						
16.0	74.2	10.7	77.6	9.1	80.4	7.7				
18.0	72.0	9.8	75.3	8.5	78.2	7.3				
20.0	69.8	9.1	73.1	8.0	75.9	7.0	79.7	5.9		
22.0	67.4	8.4	70.8	7.5	73.6	6.7	77.2	5.7	80.3	4.4
24.0	64.8	6.3	68.4	7.1	71.2	6.4	74.7	5.5	77.5	4.4
26.0	62.1	4.6	65.7	5.8	68.7	6.2	72.2	5.4	74.6	4.3
28.0	59.3	3.1	62.9	4.2	66.0	5.1	69.4	5.3	71.6	4.3
30.0			60.0	2.8	63.0	3.7	66.6	4.7	68.5	4.3
32.0					59.8	2.4	63.3	3.3	65.0	3.8
$\theta$ (°)	58 ~ 83		59 ~ 83		58 ~ 83		61 ~ 83		63 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FD 31.8m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.3	7.0								
16.0	77.6	7.0								
18.0	75.8	6.4	79.8	5.2						
20.0	73.9	5.9	78.0	4.8						
22.0	72.0	5.5	76.1	4.5	79.7	3.8				
24.0	70.1	5.1	74.2	4.2	77.7	3.6				
26.0	68.1	4.7	72.2	4.0	75.8	3.5	80.5	2.9		
28.0	66.0	4.4	70.3	3.8	73.8	3.3	78.4	2.8		
30.0	63.8	3.7	68.2	3.6	71.8	3.2	76.3	2.7	80.6	2.3
32.0	61.5	2.7	66.1	3.4	69.6	3.0	74.1	2.6	78.2	2.3
34.0			63.8	2.8	67.5	2.9	71.9	2.5	75.6	2.2
36.0					65.3	2.8	69.7	2.5	73.0	2.2
38.0							67.2	2.4	70.3	2.2
40.0									67.4	2.2
$\theta$ (°)	60 ~ 83		62 ~ 83		63 ~ 83		65 ~ 83		65 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FD 40.9m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
10.0	80.5	22.1								
11.0	79.5	21.9	81.2	17.7						
12.0	78.4	21.0	80.2	17.2						
14.0	76.4	19.4	78.1	16.2	79.5	14.0				
16.0	74.0	15.4	76.1	15.3	77.4	13.4	79.1	11.3	80.5	8.7
18.0	71.5	11.0	73.6	12.3	75.2	12.9	76.9	11.0	78.1	8.7
20.0	68.9	7.8	71.0	8.9	72.6	9.9	74.7	10.8	75.7	8.6
22.0	66.4	5.3	68.4	6.2	70.0	7.1	72.0	8.2	73.3	8.6
24.0	63.8	3.3	65.8	4.1	67.3	4.9	69.1	5.7	70.3	6.3
26.0							66.3	3.8	67.2	4.2
$\theta$ (°)	63 ~ 83		65 ~ 83		66 ~ 83		65 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	1part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.3	11.1								
16.0	77.6	11.1	80.3	9.3						
18.0	75.8	10.5	78.5	8.8						
20.0	74.0	9.8	76.7	8.3	78.9	7.2				
22.0	71.9	8.0	74.9	7.9	77.1	6.9	80.2	5.7		
24.0	69.7	5.9	73.0	7.4	75.2	6.6	78.3	5.6	80.5	4.2
26.0	67.5	4.2	70.7	5.5	73.3	6.4	76.3	5.4	78.4	4.2
28.0	65.2	2.8	68.3	3.9	71.0	5.0	74.3	5.3	76.1	4.1
30.0					68.5	3.5	72.1	4.7	73.9	4.1
32.0							69.4	3.3	71.5	4.1
$\theta$ (°)	64 ~ 83		67 ~ 83		67 ~ 83		68 ~ 83		69 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.9	7.0								
18.0	78.5	6.7								
20.0	76.9	6.2	80.3	4.9						
22.0	75.4	5.8	78.8	4.7						
24.0	73.8	5.4	77.2	4.4	80.2	3.7				
26.0	72.2	5.1	75.6	4.2	78.6	3.5				
28.0	70.5	4.5	74.1	4.0	77.0	3.4				
30.0	68.4	3.2	72.4	3.8	75.4	3.3	79.0	2.7		
32.0			70.7	3.4	73.7	3.1	77.3	2.6		
34.0					72.0	3.0	75.6	2.6	80.6	2.2
36.0							73.8	2.5	78.9	2.2
38.0							72.0	2.5	77.1	2.2
40.0									75.3	2.2
$\theta$ (°)	67 ~ 83		69 ~ 83		70 ~ 83		70 ~ 83		73 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FD 45.5m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
11.0	81.1	22.1								
12.0	80.2	21.3								
14.0	78.4	19.8	79.6	16.3	81.0	14.0				
16.0	76.1	15.3	77.8	15.5	79.1	13.5	80.7	11.3		
18.0	73.8	11.0	75.6	12.3	77.3	13.0	78.8	11.0	79.7	8.5
20.0	71.4	7.7	73.2	8.9	74.9	9.9	76.8	10.8	77.6	8.5
22.0	69.0	5.2	70.8	6.2	72.4	7.1	74.3	8.2	75.4	8.5
24.0			68.4	4.1	69.9	4.9	71.8	5.8	72.7	6.5
26.0							69.1	3.8	71.0	4.4
$\theta$ (°)	67 ~ 83		67 ~ 83		68 ~ 83		68 ~ 83		69 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	80.3	11.1								
16.0	78.8	11.1								
18.0	77.1	10.7	79.9	8.8						
20.0	75.5	10.0	78.3	8.4	80.4	7.2				
22.0	73.5	7.9	76.6	8.0	78.7	7.0				
24.0	71.5	5.8	74.9	7.3	77.1	6.7	79.7	5.6		
26.0	69.4	4.0	72.7	5.4	75.4	6.5	78.0	5.4	79.5	4.0
28.0	67.3	2.6	70.6	3.8	73.2	4.9	76.2	5.3	77.6	4.0
30.0					71.0	3.5	74.2	4.7	75.6	4.0
32.0							71.8	3.3	73.5	4.0
34.0									71.0	2.8
$\theta$ (°)	66 ~ 83		69 ~ 83		69 ~ 83		70 ~ 83		70 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
18.0	79.7	6.8								
20.0	78.3	6.3								
22.0	76.9	5.9								
24.0	75.4	5.5	78.3	4.5						
26.0	74.0	5.2	76.8	4.2	79.9	3.5				
28.0	72.3	4.2	75.3	4.0	78.4	3.4				
30.0			73.9	3.9	77.0	3.3				
32.0			72.2	3.3	75.5	3.2	78.6	2.6		
34.0					74.0	3.1	77.0	2.6		
36.0							75.4	2.5	77.8	2.2
38.0							73.8	2.5	76.0	2.2
40.0									74.1	2.2
$\theta$ (°)	71 ~ 83		71 ~ 83		72 ~ 83		72 ~ 83		72 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line

## Performance FD 50.1m boom + 2.0m + Fully automatic luffing jib

Unit: ton

C D	2.0m + 10.2m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
12.0	81.0	16.4								
14.0	79.5	16.4	81.1	16.4						
16.0	77.8	15.3	79.5	15.7	80.7	13.6				
18.0	75.9	10.9	77.4	12.3	79.0	13.1	80.4	11.0		
20.0	73.7	7.7	75.1	8.8	76.7	9.9	78.7	10.8	79.2	8.3
22.0	71.5	5.2	72.9	6.2	74.4	7.1	76.4	8.3	77.4	8.3
24.0					72.1	4.9	73.9	5.8	75.0	6.6
26.0									73.3	4.5
$\theta$ (°)	70 ~ 83		71 ~ 83		71 ~ 83		72 ~ 83		72 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit: ton

C D	2.0m + 17.95m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.8	8.5								
18.0	78.5	8.5								
20.0	77.1	8.5	79.7	8.5						
22.0	75.6	7.7	78.2	8.1	80.1	7.0				
24.0	74.6	5.6	76.6	7.2	78.6	6.7				
26.0			74.5	5.3	77.1	6.5	79.5	5.4		
28.0			72.5	3.7	75.0	4.8	78.0	5.3	79.3	3.9
30.0							76.2	4.7	77.6	3.9
32.0									75.8	3.9
34.0									73.5	2.9
$\theta$ (°)	73 ~ 83		71 ~ 83		73 ~ 83		74 ~ 83		72 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

Unit: ton

C D	2.0m + 25.7m									
	5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M
20.0	79.1	5.3								
22.0	77.9	5.3								
24.0	76.7	5.3	79.7	4.5						
26.0	75.5	5.3	78.5	4.3						
28.0	73.8	4.0	77.1	4.1	79.7	3.4				
30.0			75.8	3.9	78.4	3.3				
32.0					77.1	3.2				
34.0					75.7	3.1	78.7	2.6		
36.0							77.2	2.5		
38.0									77.7	2.0
40.0									76.1	2.0
$\theta$ (°)	72 ~ 83		74 ~ 83		74 ~ 83		75 ~ 83		75 ~ 83	
F	11.2t hook (430kg)									
H	1part-line									

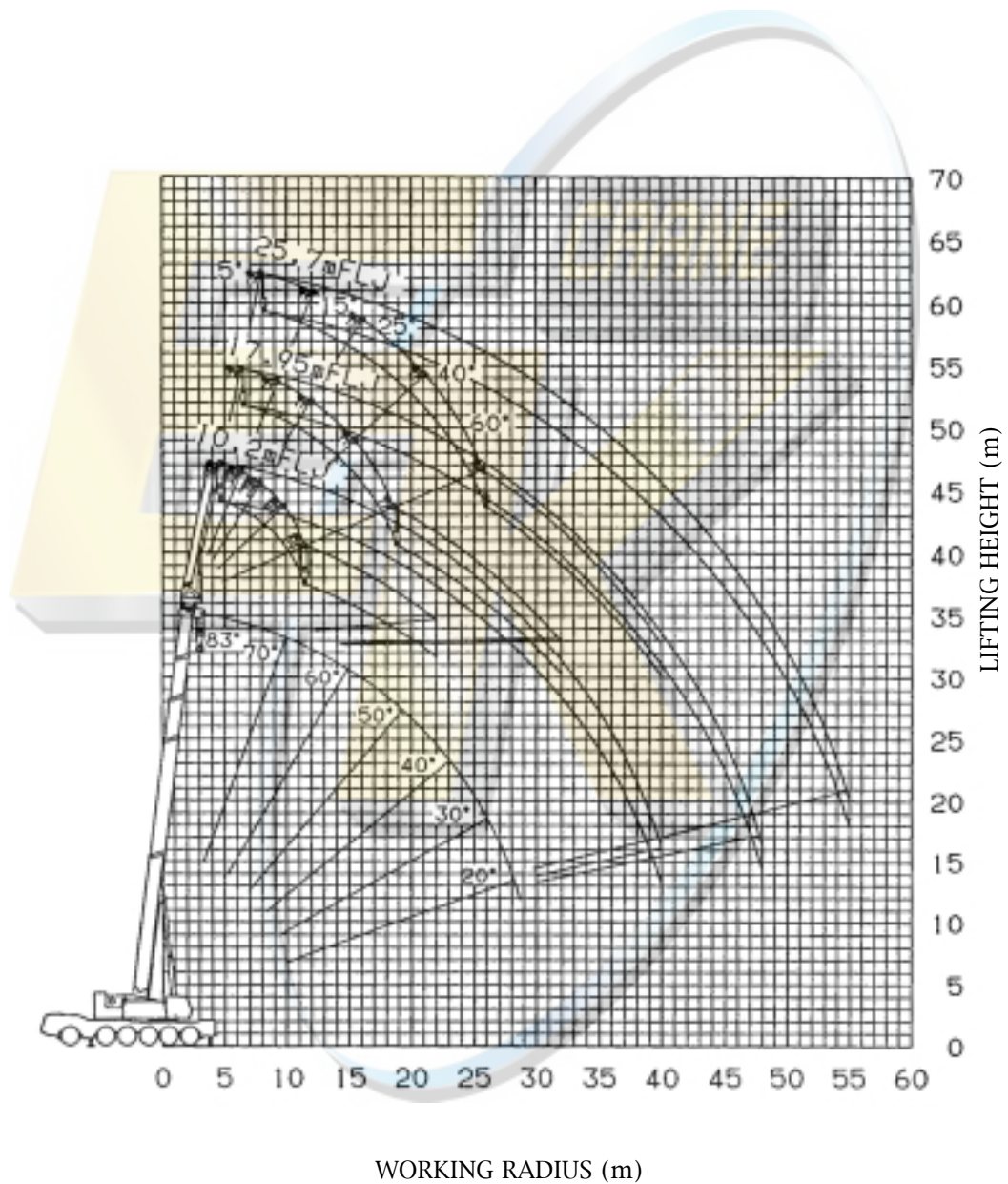
C= Jib length D= Jib offset B= Working radius (m)

E= Boom angle M= Total rated load F= Standard hook H= No. of part-line



## WORKING RADIUS - LIFTING HEIGHT

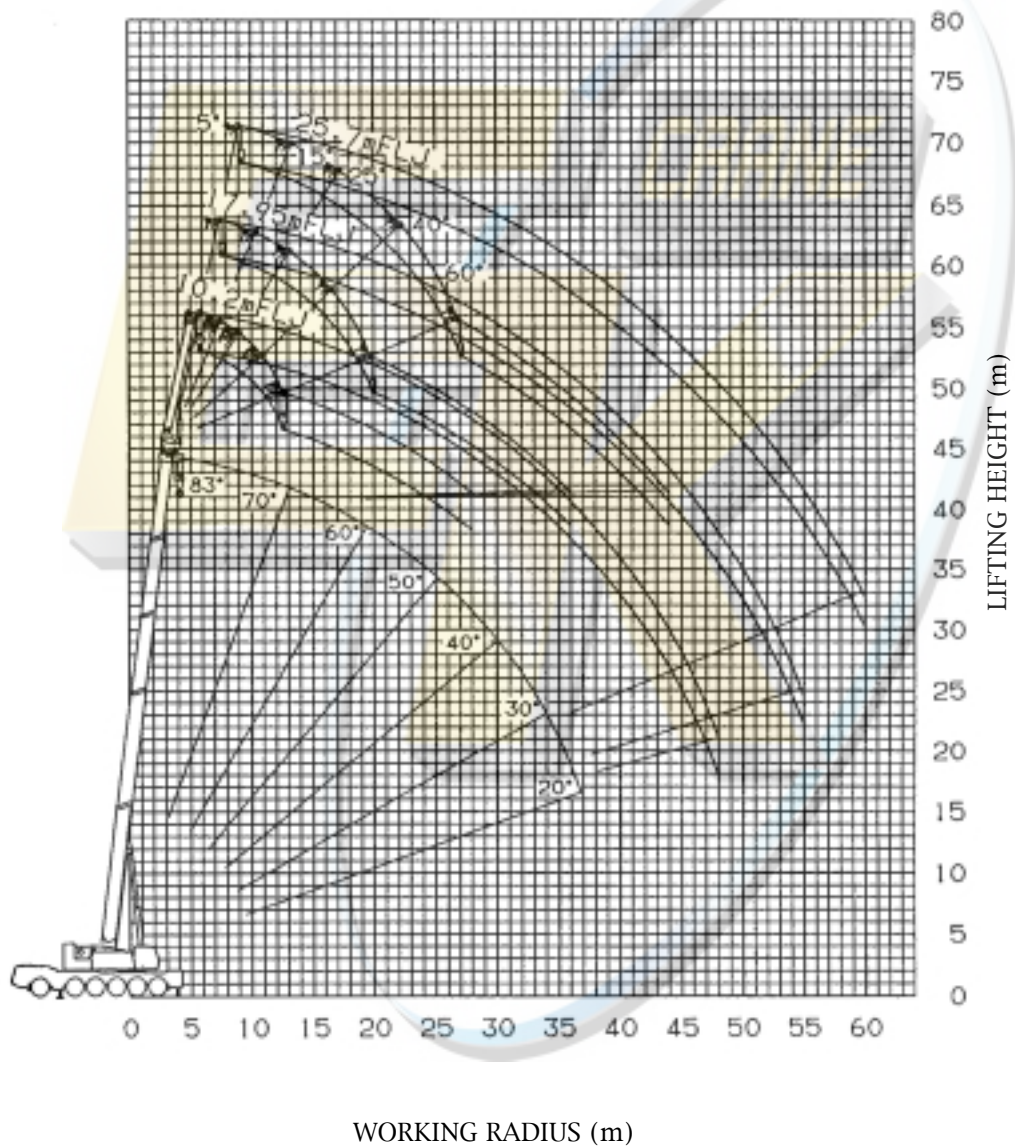
31.8m boom + 2.0m + Fully automatic luffing jib



**NOTES:**

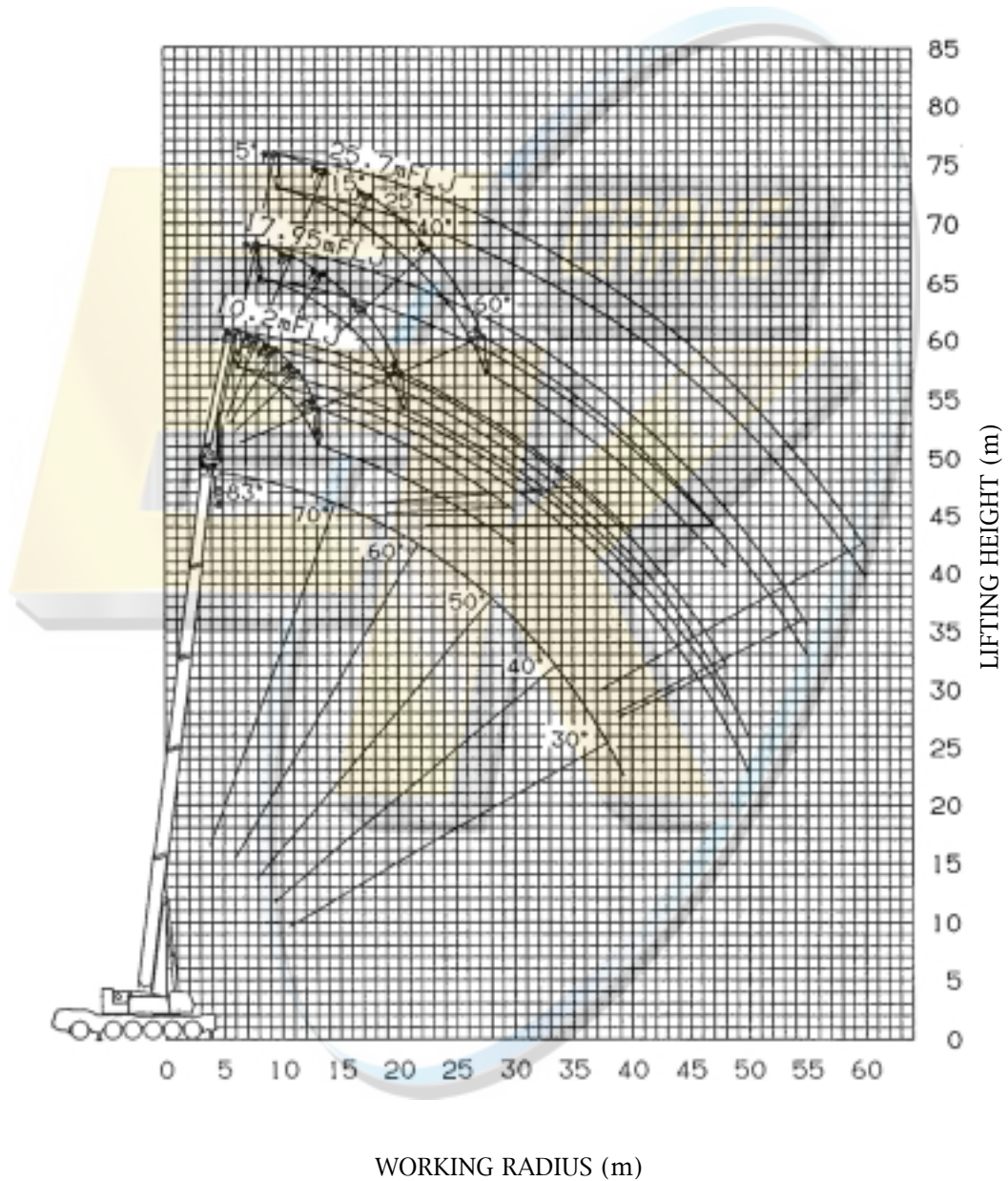
The deflection of the boom is not incorporated in the figure above.  
The above figure is for Performance FA.

40.9m boom + 2.0m + Fully automatic luffing jib



**NOTES:**  
The deflection of the boom is not incorporated in the figure above.  
The above figure is for Performance FA.

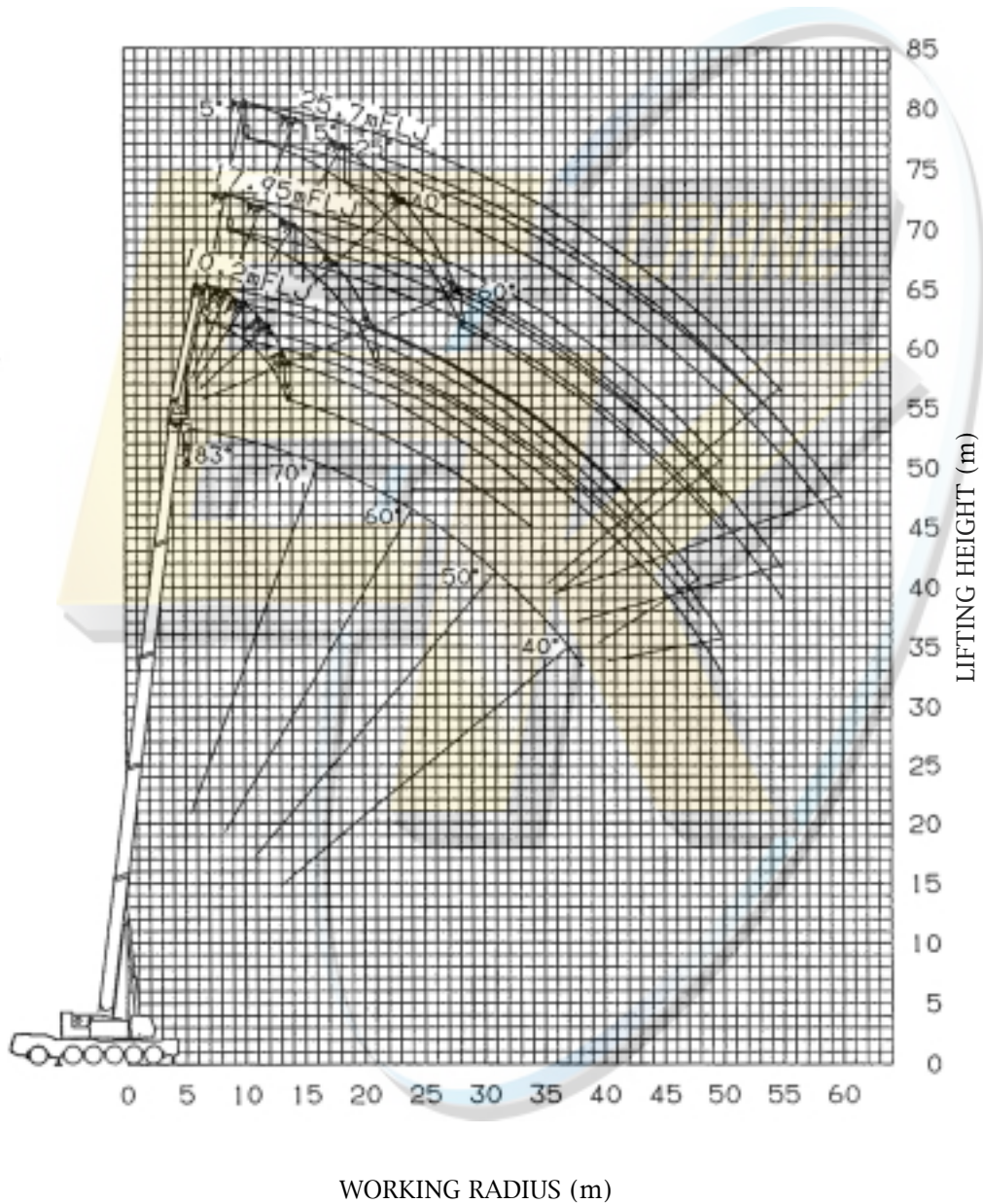
45.5m boom + 2.0m + Fully automatic luffing jib



**NOTES:**

The deflection of the boom is not incorporated in the figure above.  
The above figure is for Performance FA.

50.1m boom + 2.0m + Fully automatic luffing jib



**NOTES:**  
 The deflection of the boom is not incorporated in the figure above.  
 The above figure is for Performance FA.