



ALL TERRAIN CRANE

AR

AR-1600M

JAPANESE SPECIFICATIONS

CARRIER MODEL	SPEC. NO.
FAUN RTF160-5	AR-1600M-1-90101

The "fully automatic luffing jib" and the "luffing jib" are optional equipment.
Refer to the specifications in the following pages regarding the details of these optional jibs.

Control No. AR-1600M-1/MB-03



AR-1600M-1 / MB-03

AR-1600M

CRANE SPECIFICATIONS

CRANE CAPACITY

13.5m Boom	160,000kg	at 3.2m	(20part-line)
18.1m Boom	110,000kg	at 5.0m	(13part-line)
22.6m Boom	100,000kg	at 5.0m	(12part-line)
31.8m Boom	65,000kg	at 7.0m	(7part-line)
40.9m Boom	50,000kg	at 8.0m	(6part-line)
45.4m Boom	42,000kg	at 9.0m	(5part-line)
50.0m Boom	30,000kg	at 12.0m	(4part-line)
Single top	9,400kg		(1part-line)

<Reference>

Fully automatic luffing jib

10.2m Jib	18,600kg	at 10.0m	(2part-line)
17.9m Jib	9,300kg	at 14.0m	(1part-line)
25.7m Jib	5,600kg	at 16.0m	(1part-line)

Luffing jib

11m Jib	75,000kg	at 7.0m	(8part-line)
20m Jib	47,000kg	at 10.0m	(6part-line)
29m Jib	27,000kg	at 14.0m	(4part-line)
37m Jib	8,500kg	at 40.0m	(1part-line)
45m Jib	5,800kg	at 24.0m	(1part-line)

MAX.LIFTING HEIGHT

Boom 50.0m

<Reference> Fully automatic luffing jib 78.0m

<Reference> Luffing jib 95.0m

MAX.WORKING RADIUS

Boom 47.0m

<Reference> Fully automatic luffing jib 55.0m

<Reference> Luffing jib 70.0m

BOOM LENGTH

13.5m ~ 50.0m

BOOM EXTENSION SPEED

36.5m/210s

MAIN WINCH SINGLE LINE WINDING SPEED

130m/min (5th layer)

AUXILIARY WINCH SINGLE LINE WINDING

SPEED

130m/min (5th layer)

BOOM ELEVATION ANGLE

-1.5 °~ 83 °

BOOM ELEVATION SPEED

-1.5 °~ 83 780s

SWING ANGLE

360 °continue

SWING SPEED

1.4/1.0rpm

WIRE ROPE

Main Winch

24mm x 340m (Diameter x Length)

Anti-rotate wire rope

Auxiliary Winch

24mm x 310m (Diameter x Length)

Anti-rotate wire rope

HOOK

160t hook	(20part-line)
	(Using additional sling and single top)
110t hook	(13part-line)(Using single top)
65t hook	(7part-line)
25t hook	(3part-line)
9.4t hook	(1part-line)

BOOM

5-section hydraulically telescoping boom of box construction

(stage 2: sequential; stages 3,4,5: synchronized)

2-stage lock or no lock (spring type and air cylinder type)

BOOM EXTENSION

4 double-acting hydraulic cylinders

SINGLE TOP

Single sheave. Mounted to main boom head by pin.

HOIST

Driven by hydraulic variable motor and via planetary gear reducer.

Automatic brake

2-speed (high/low) selection type

2 single winches

BOOM ELEVATION

2 double-acting hydraulic cylinders

SWING

Hydraulic motor driven planetary gear reducer

Swing bearing

Disk type negative brake

2-speed (high/low) selection type

Pneumatically operated swing lock

OUTRIGGERS

Fully hydraulic H-type 3 steps

Slides and jacks each provided with independent operation device.

Fully extended width 8.8m

Middle extended width 8.0m, 6.8m, 5.6m

Extended width detector provided.

Slide lock power pin provided.

REAR JACK

Hydraulic type (with grounding detector)

Individual operation type

COUNTERWEIGHT

50t, 44t, 34t, 25t

ENGINE FOR CRANE

Engine exclusive to upper component operation

Model MITSUBISHI 6D24-T

Type 4-cycle, 6 in-line cylinder, direct-injection, water-cooled diesel engine

Piston displacement 11,945cc with turbo charger

Max. output 188kW (225PS) at 1,800min⁻¹(rpm)Max. torque 1,030N·m (105kg·m) at 1,400min⁻¹(rpm)

FUEL TANK CAPACITY

280 liters

HYDRAULIC PUMPS

2 variable piston pumps and 2 gear pumps

HYDRAULIC OIL TANK CAPACITY

Upper 1,585 liters

Lower 210 liters

SAFETY DEVICES

Automatic moment limiter (AML)

Multiple display

With working range limiting function

Outrigger extension automatic detector (individual detection)

Weight combination automatic detector

Swing range controller

Swing automatic stop device

Boom elevation slow down and stop device

Over-winding cutout device

Dead winding holding device

Cable follower

Hook safety latch

Winch drum lock

Hydraulic safety valve

Hydraulic lock (elevation, telescoping, hoist, jack, jib tilt, dismount)

Swing lock

Boom angle indicator

Level gauge

EQUIPMENT

Oil cooler

Boom dismount device

Swing frame dismount device

Counterweight dismount device

Boom elevation creeping mode setting device

AML external warning lamp

Hook movement amount indicator

Wind velocity meter

Iron plate

Hot and cool boxes

Lunch table

Air conditioner

Drum monitor

FM radio

Back monitor

OPTIONAL EQUIPMENT

Swing alarm



CARRIER SPECIFICATIONS

MANUFACTURER

FAUN GmbH

CARRIER MODEL

RTF 160-5

ENGINE

Model OM442LA (Benz)

Type 4-cycle, V8-cylinder, direct-injection,
turbo diesel engine with inter cooler

Piston displacement 14,618cc

Max. output 503PS at 2,100rpm

Max. torque 206kg-m at 1,100 to 1,600rpm

TRANSMISSION

Fully automatic

5-forward and 1-reverse speeds

Sub-transmission provided.

CLUTCH

Torque converter provided.

Automatic lock-up mechanism provided.

DRIVING METHOD

10 x 6

10 x 8 --- Off load (with def-lock mechanism)

AXLE (all axles)

Full-floating type

SUSPENSION (all axles)

Hydraulic pneumatic suspension

Stroke: +149mm/-113mm

STEERING

Type: Left-side handle

Fully hydraulic power steering

2 circuits

Emergency power steering

Mode: Normal (6 front wheels, 2 rear wheels)

Clamp (10 wheels)

Crab (10 wheels)

Rear steering (4 rear wheels)

BRAKE SYSTEM

Service Brake

Air brake on all wheels

2 circuits

Parking Brake

4th and 5th axles (4-wheel) spring brake for public
thoroughfare traveling

(3rd, 4th and 5th axles (6-wheel) spring brake for
on-site traveling)

Emergency Brake

Works by applying the parking brake

Auxiliary Brake

Flow type retarder (transmission built-in)

Exhaust brake

ELECTRIC SYSTEM

24 V DC. 2 batteries of 12V-170Ah

FUEL TANK CAPACITY

700 liters

CAB

Two-man type

TIRES

16.00R25 (all wheels)

WHEEL

11.25-25 (all wheels)

STANDARD EQUIPMENT

Air conditioner

FM radio

Mud guard

Centralized lubrication unit

Bed for napping

GENERAL DATA

DIMENSIONS (CARRIER ONLY)

Overall length 13,640mm

Overall width 3,000mm

Overall height 2,775mm

Wheel base 2,850mm + 1,700mm + 2,550mm +
1,700mm

Tread 2,557mm

WEIGHTS (CARRIER ONLY)

Gross vehicle weight

Total 40,900kg (Two-man type)

Front: 1st + 2nd axle 19,500kg

Rear: 3rd axle 1,400kg

4th + 5th axle 20,000kg

PERFORMANCE (CARRIER ONLY)

Max. traveling speed 60km/h

Gradeability (tan θ) 0.73

Min. turning radius

8-wheel steering 11.8m

10-wheel steering 9.7m

Note:

- 1 The swing jib of this crane must be removed and transported separately from the carrier when running on public roads.
- 2 This crane is covered by Class C Conditions under the Basic Running Conditions of the Road Traffic Act.



AR-1600M-1 / MB-03

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 (160t hook with attachment: 2,700kg, 110t hook: 2,100kg, 65t hook: 940kg, 25t hook: 730kg, 9.4t 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 A to I of the total rated load.

Counterweight Outrigger extension width	50t	44t	34t	25t	0t
8.8m	A (C)	A (D)	C (E)	D (F)	G (H)
8.0m	A (C)	B (D)	D (E)	E (F)	G (H)
6.8m	C (C)	D (D)	E (E)	F (F)	H (H)
5.6m	–	–	F (F)	G (G)	H (H)
2.7m	–	–	–	–	I (I)

- If the rear jack is not used, the performance classification in parentheses shall apply. At this time, the maximum total rated load is 50t.
 - Performance I shall apply only to the 13.5m boom, and the working area is as shown in the illustration.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 92.1kN (9.4t) for both the main winch and the auxiliary winch.

A	13.5m	18.1m	22.6m	31.8m	40.9m	45.4m	50.0m	Single top
H	(20)12	(13)12	12	7	6	5	4	1

A= Boom length H= No. of part-lines

For 20 part lines in parentheses, the attachment and single top should be used, and for 13 part lines, the single top should be used.

6. The total rated loads shown are for the case where the 2nd boom section fixing pin is used. When the 2nd boom section fixing pin is not used, the maximum total rated loads relative to the boom length are restricted as shown in the table below.

Boom length	Over 13.5m up to 18.1m	Over 18.1m up to 50.0m
Max. total rated load (t)	58	26

- 7. The total rated load for the single top shall be the value obtained by subtracting the weight of the hook mounted to the boom from the total rated load of the boom and must not exceed 9.4t.
- 8. When the maximum instantaneous velocity is 10m/s or more, stop crane operation.
- 9. Mark θ in the total rated load chart shows the boom angle range (under no load).



Unit:ton

Performance A							
A B	13.5m	18.1m	22.6m	31.8m	40.9m	45.4m	50.0m
3.2m	160.0	110.0	100.0				
3.5m	151.7	110.0	100.0				
4.0m	139.6	110.0	100.0				
4.5m	129.3	110.0	100.0				
5.0m	118.8	110.0	100.0				
6.0m	100.6	97.0	90.0	65.0			
7.0m	86.9	86.1	81.4	65.0	50.0		
8.0m	76.2	76.5	71.8	59.6	50.0	42.0	
9.0m	67.6	67.4	65.9	54.5	47.3	42.0	30.0
10.0m	62.0	60.2	58.8	50.4	44.5	38.8	30.0
11.0m	51.4	54.2	52.8	46.9	41.8	36.6	30.0
12.0m		49.4	47.3	43.3	38.5	34.5	30.0
14.0m		40.7	38.7	37.2	32.6	30.2	26.4
16.0m		23.9	32.3	31.6	28.5	26.5	23.3
18.0m			27.8	27.6	25.0	23.1	20.7
20.0m			20.2	24.1	21.8	20.7	18.4
22.0m				20.2	19.1	18.2	16.6
24.0m				17.1	17.0	16.4	14.8
26.0m				14.6	15.1	14.7	13.3
28.0m				12.6	13.2	13.1	12.0
30.0m					11.4	11.6	10.8
32.0m					9.9	10.2	9.6
34.0m					8.8	8.9	8.6
36.0m					7.7	7.8	7.6
38.0m					6.5	6.7	6.7
40.0m						5.9	6.0
42.0m						5.1	5.2
44.0m							4.5
46.0m							3.9
47.0m							3.6
θ (°)	0 ~ 83	0 ~ 83	0 ~ 83	10 ~ 83	11 ~ 83	12 ~ 83	12 ~ 83

A= Boom length B= Working radius
θ = Boom angle range (for the unladen condition)



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Unit:ton

Performance B							
A \ B	13.5m	18.1m	22.6m	31.8m	40.9m	45.4m	50.0m
3.2m	160.0	110.0	100.0				
3.5m	151.7	110.0	100.0				
4.0m	139.6	110.0	100.0				
4.5m	129.3	110.0	100.0				
5.0m	118.8	110.0	100.0				
6.0m	100.6	97.0	90.0	65.0			
7.0m	86.9	86.1	81.4	65.0	50.0		
8.0m	76.2	76.5	71.8	59.6	50.0	42.0	
9.0m	67.6	67.4	65.9	54.5	47.3	42.0	30.0
10.0m	62.0	60.2	58.8	50.4	44.5	38.8	30.0
11.0m	51.4	54.2	52.8	46.9	41.8	36.6	30.0
12.0m		49.4	47.3	43.3	38.5	34.5	30.0
14.0m		40.7	38.7	37.2	32.6	30.2	26.4
16.0m		23.9	32.3	31.6	28.5	26.5	23.3
18.0m			26.1	27.6	25.0	23.1	20.7
20.0m			20.2	23.3	21.8	20.7	18.4
22.0m				19.5	19.1	18.2	16.6
24.0m				16.5	17.0	16.4	14.8
26.0m				14.1	14.9	14.7	13.3
28.0m				12.0	12.8	13.1	12.0
30.0m					11.1	11.4	10.8
32.0m					9.4	9.8	9.6
34.0m					8.0	8.3	8.6
36.0m					6.8	7.1	7.4
38.0m					5.7	6.0	6.2
40.0m						5.0	5.2
42.0m						4.2	4.4
44.0m							3.6
46.0m							2.9
47.0m							2.6
θ (°)	0 ~ 83	0 ~ 83	0 ~ 83	10 ~ 83	11 ~ 83	13 ~ 83	13 ~ 83

A= Boom length B= Working radius
θ = Boom angle range (for the unladen condition)



Unit:ton

Performance C							
A B	13.5m	18.1m	22.6m	31.8m	40.9m	45.4m	50.0m
3.2m	160.0	110.0	100.0				
3.5m	151.7	110.0	100.0				
4.0m	139.6	110.0	100.0				
4.5m	129.3	110.0	100.0				
5.0m	118.8	110.0	100.0				
6.0m	100.6	97.0	90.0	65.0			
7.0m	86.9	85.8	81.4	65.0	50.0		
8.0m	74.6	73.5	71.8	59.6	50.0	42.0	
9.0m	65.1	64.0	63.2	54.5	47.3	42.0	30.0
10.0m	57.6	56.4	55.6	50.4	44.5	38.8	30.0
11.0m	51.4	50.2	49.3	46.9	41.8	36.6	30.0
12.0m		45.0	44.1	43.3	38.5	34.5	30.0
14.0m		36.8	36.0	37.2	32.6	30.2	26.4
16.0m		23.9	27.8	30.1	28.5	26.5	23.3
18.0m			22.0	24.1	25.0	23.1	20.7
20.0m			17.8	19.7	20.6	20.7	18.4
22.0m				16.3	17.2	17.5	16.6
24.0m				13.5	14.4	14.8	14.8
26.0m				11.3	12.2	12.5	12.8
28.0m				9.5	10.3	10.6	10.9
30.0m					8.7	9.1	9.3
32.0m					7.4	7.7	8.0
34.0m					6.3	6.5	6.8
36.0m					5.3	5.5	5.8
38.0m					4.5	4.7	4.9
40.0m						3.9	4.1
42.0m						3.3	3.4
44.0m							2.8
46.0m							2.1
47.0m							1.8
θ (°)	0 ~ 83	0 ~ 83	0 ~ 83	10 ~ 83	11 ~ 83	13 ~ 83	13 ~ 83

A= Boom length B= Working radius
θ = Boom angle range (for the unladen condition)



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Unit:ton

Performance D							
A \ B	13.5m	18.1m	22.6m	31.8m	40.9m	45.4m	50.0m
3.2m	160.0	110.0	100.0				
3.5m	150.0	110.0	100.0				
4.0m	134.3	110.0	100.0				
4.5m	121.4	110.0	100.0				
5.0m	110.6	109.7	100.0				
6.0m	93.6	92.7	90.0	65.0			
7.0m	80.7	79.8	79.1	65.0	50.0		
8.0m	70.7	69.7	68.9	59.6	50.0	42.0	
9.0m	61.8	60.6	59.8	54.5	47.3	42.0	30.0
10.0m	54.5	53.4	52.5	50.4	44.5	38.8	30.0
11.0m	47.7	46.1	45.0	46.9	41.8	36.6	30.0
12.0m		39.8	38.7	41.0	38.5	34.5	30.0
14.0m		30.6	29.6	31.7	32.6	30.2	26.4
16.0m		23.9	22.7	24.9	26.0	26.4	23.3
18.0m			17.6	19.7	20.7	21.1	20.7
20.0m			13.9	15.9	16.8	17.2	17.5
22.0m				12.9	13.8	14.1	14.5
24.0m				10.5	11.4	11.7	12.0
26.0m				8.6	9.4	9.7	10.0
28.0m				7.0	7.8	8.1	8.4
30.0m					6.4	6.7	7.0
32.0m					5.2	5.5	5.8
34.0m					4.2	4.5	4.8
36.0m					3.4	3.6	3.9
38.0m					2.7	2.9	3.1
40.0m						2.2	2.4
θ (°)	0 ~ 83	0 ~ 83	0 ~ 83	10 ~ 83	12 ~ 83	19 ~ 83	34 ~ 83

A= Boom length B= Working radius
θ = Boom angle range (for the unladen condition)



Unit:ton

Performance E							
A B	13.5m	18.1m	22.6m	31.8m	40.9m	45.4m	50.0m
3.2m	160.0	110.0	100.0				
3.5m	150.0	110.0	100.0				
4.0m	134.3	110.0	100.0				
4.5m	121.4	110.0	100.0				
5.0m	110.6	109.7	100.0				
6.0m	93.6	92.7	90.0	65.0			
7.0m	80.7	79.8	79.1	65.0	50.0		
8.0m	70.7	69.7	68.9	59.6	50.0	42.0	
9.0m	60.4	58.7	57.6	54.5	47.3	42.0	30.0
10.0m	50.5	48.9	47.8	50.2	44.5	38.8	30.0
11.0m	43.1	41.5	40.4	42.8	41.8	36.6	30.0
12.0m		35.7	34.7	36.9	37.9	34.5	30.0
14.0m		27.3	26.2	28.3	29.3	29.7	26.4
16.0m		21.5	20.4	22.4	23.3	23.7	23.3
18.0m			16.1	18.0	18.9	19.2	19.6
20.0m			12.8	14.6	15.5	15.8	16.2
22.0m				12.0	12.8	13.2	13.5
24.0m				9.6	10.7	11.0	11.3
26.0m				7.7	8.7	9.1	9.4
28.0m				6.0	7.0	7.4	7.7
30.0m					5.5	5.9	6.2
32.0m					4.3	4.7	5.0
34.0m					3.3	3.6	3.9
36.0m					2.4	2.7	3.0
38.0m						1.8	2.1
θ (°)	0 ~ 83	0 ~ 83	0 ~ 83	10 ~ 83	18 ~ 83	25 ~ 83	34 ~ 83

A= Boom length B= Working radius
 θ = Boom angle range (for the unladen condition)



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Unit:ton

Performance F							
A \ B	13.5m	18.1m	22.6m	31.8m	40.9m	45.4m	50.0m
3.2m	160.0	110.0	100.0				
3.5m	150.0	110.0	100.0				
4.0m	134.3	110.0	100.0				
4.5m	121.4	110.0	100.0				
5.0m	110.6	109.7	100.0				
6.0m	93.6	92.7	90.0	65.0			
7.0m	80.3	78.5	77.1	65.0	50.0		
8.0m	62.8	61.1	59.8	59.6	50.0	42.0	
9.0m	50.9	49.3	48.1	50.7	47.3	42.0	30.0
10.0m	42.4	40.8	39.7	42.1	43.2	38.8	30.0
11.0m	36.0	34.4	33.3	35.6	36.6	36.6	30.0
12.0m		29.4	28.3	30.5	31.5	32.0	30.0
14.0m		22.0	21.0	23.1	24.1	24.5	24.8
16.0m		17.0	16.0	18.0	18.9	19.2	19.6
18.0m			12.1	14.2	15.0	15.4	15.7
20.0m			9.0	11.2	12.1	12.5	12.8
22.0m				8.7	9.7	10.1	10.4
24.0m				6.6	7.6	8.0	8.4
26.0m				4.8	5.8	6.2	6.6
28.0m				3.4	4.4	4.8	5.1
30.0m					3.1	3.5	3.8
32.0m					2.1	2.4	2.8
θ (°)	0 ~ 83	0 ~ 83	0 ~ 83	9 ~ 83	30 ~ 83	38 ~ 83	44 ~ 83

A= Boom length B= Working radius
 θ = Boom angle range (for the unladen condition)



Unit:ton

A= Boom length B= Working radius
 θ = Boom angle range (for the unladen condition)



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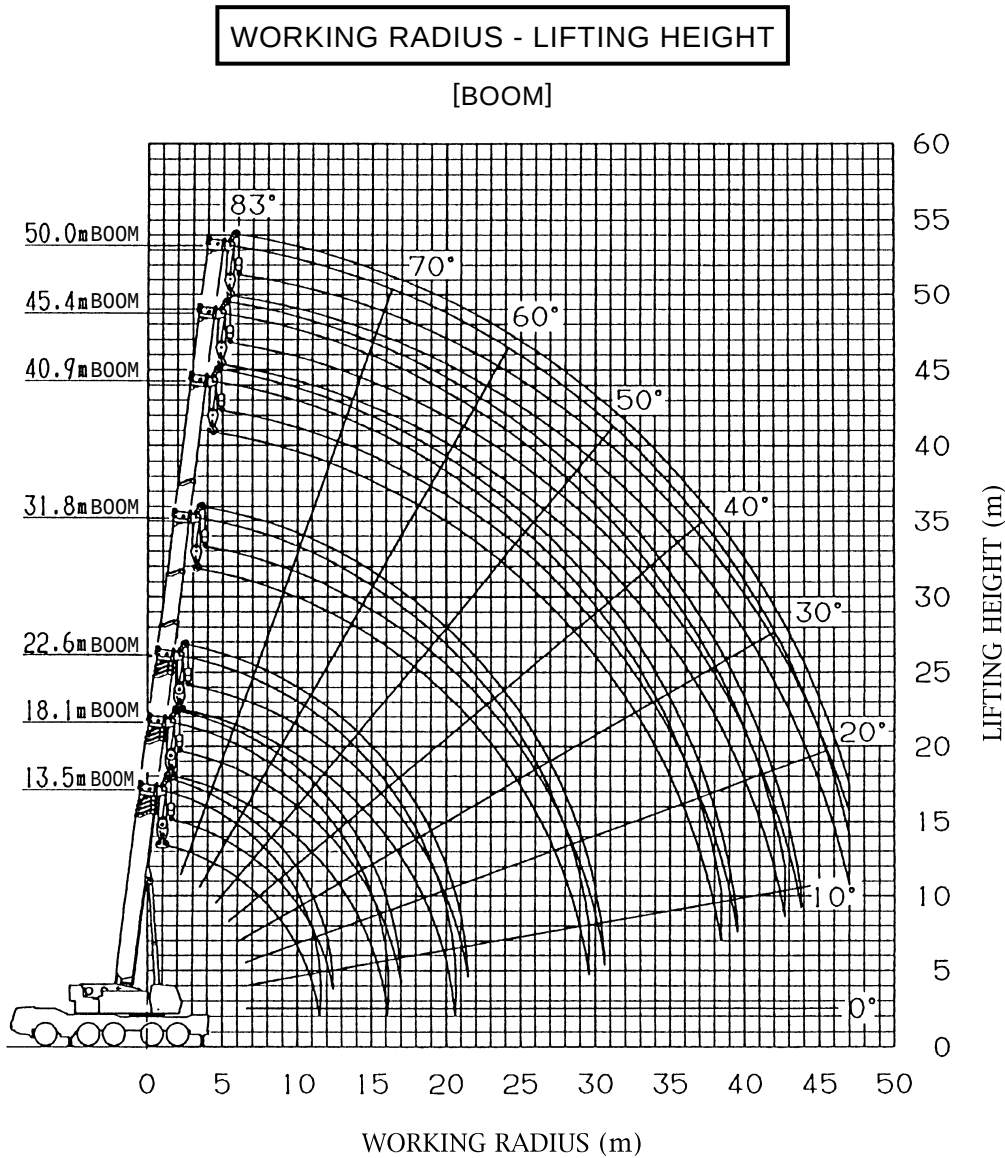
Unit:ton

Performance H							
A \ B	13.5m	18.1m	22.6m	31.8m	40.9m	45.4m	50.0m
3.2m	148.0	110.0	100.0				
3.5m	137.8	110.0	100.0				
4.0m	123.3	110.0	100.0				
4.5m	110.0	107.2	100.0				
5.0m	82.4	80.0	78.1				
6.0m	53.2	51.2	49.7	53.2			
7.0m	37.9	36.1	34.8	37.8	39.2		
8.0m	28.5	26.8	25.6	28.4	29.7	30.2	
9.0m	22.2	20.6	19.4	22.0	23.2	23.7	24.1
10.0m	17.6	16.1	15.0	17.4	18.5	19.0	19.4
11.0m	14.2	12.6	11.6	14.0	15.0	15.5	15.8
12.0m		10.0	8.7	11.2	12.3	12.7	13.1
14.0m		5.6		7.0	8.2	8.6	9.0
θ (°)	0 ~ 83	0 ~ 83	47 ~ 83	58 ~ 83	67 ~ 83	70 ~ 83	72 ~ 83

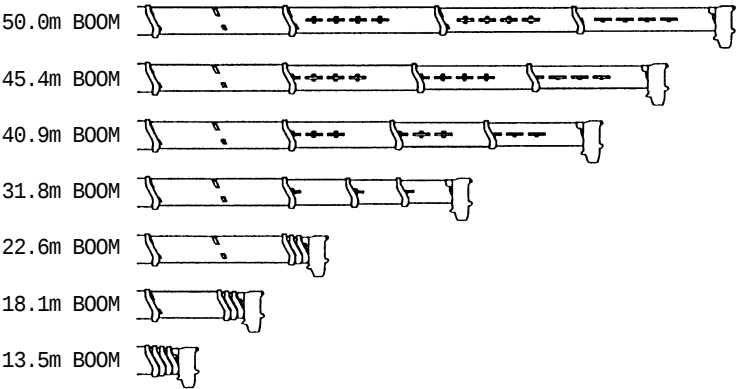
Unit:ton

Performance I	
A \ B	13.5m
3.2m	7.0
3.5m	7.0
4.0m	7.0
4.5m	7.0
5.0m	7.0
6.0m	7.0
7.0m	7.0
8.0m	7.0
9.0m	7.0
10.0m	7.0
11.0m	7.0
θ (°)	6 ~ 83

A= Boom length B= Working radius
θ = Boom angle range (for the unladen condition)



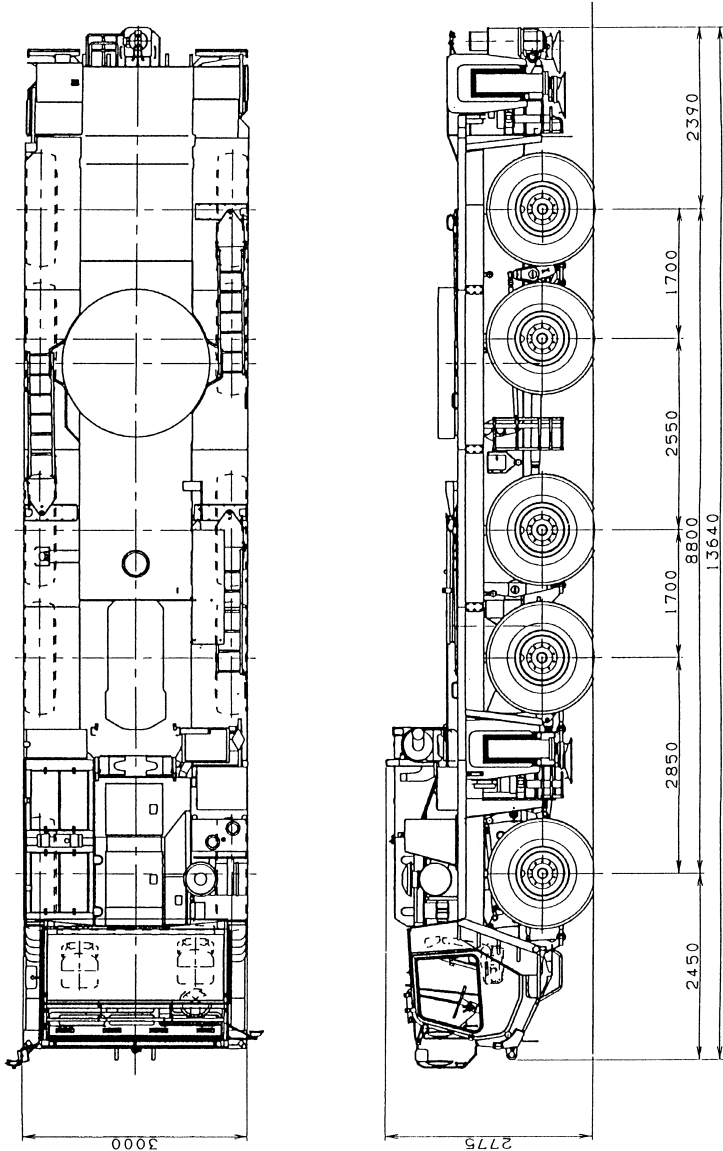
- NOTES:**
- 1. The deflection of the boom is not incorporated in the figure above. The above figure is for Performance A.
 - 2. The boom extension for each boom are as follows:





AR-1600M-1 / MB-03

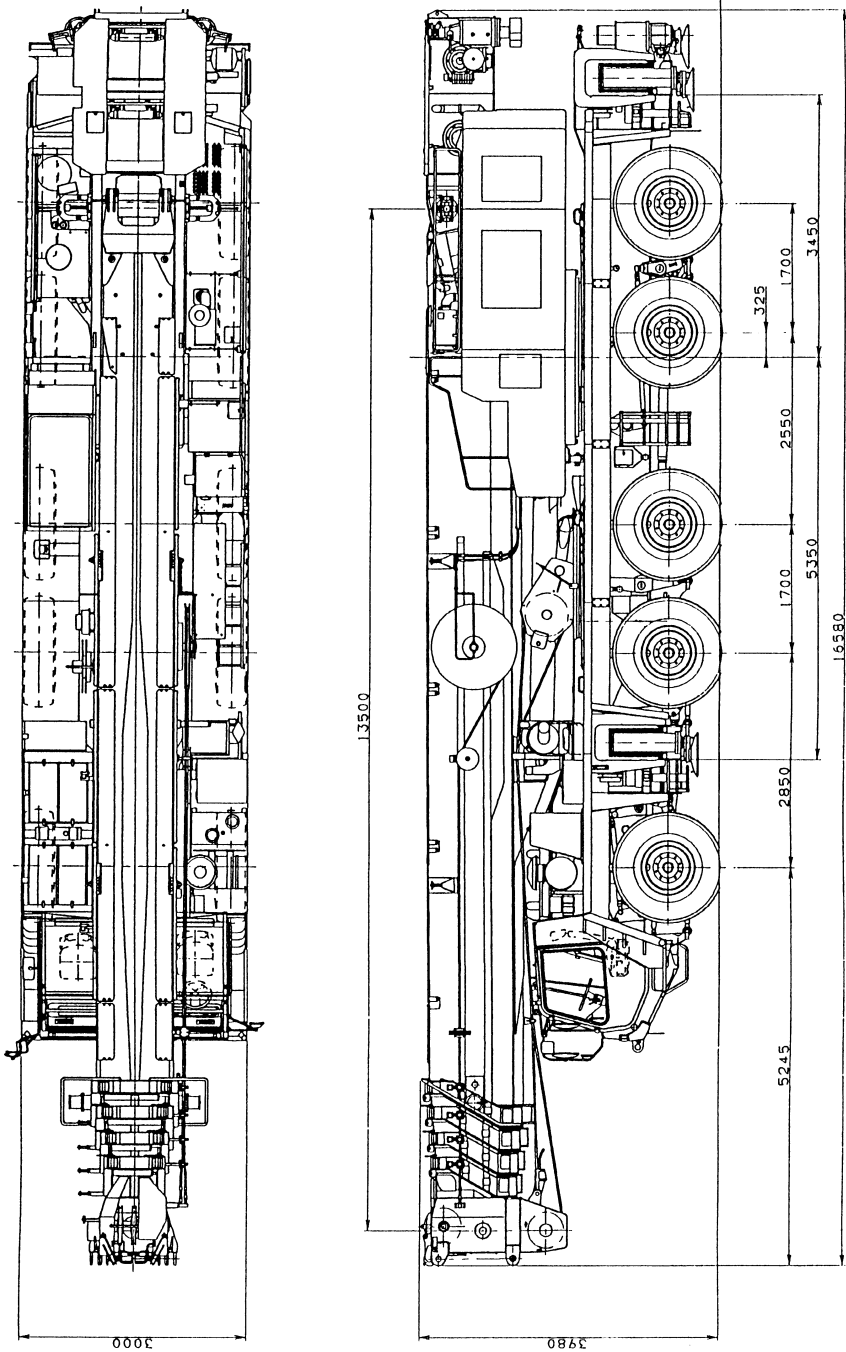
DIMENSIONS (1/100)
[On public thoroughfare traveling condition]





DIMENSIONS (1/100)

[On-site traveling condition]





This image shows a full page of a worksheet designed for handwriting practice. It consists of approximately 20 horizontal dashed lines spaced evenly across the page, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text present.



ALL TERRAIN CRANE

AR

AR-1600M

(Fully Automatic Luffing Jib)

JAPANESE SPECIFICATIONS

These specifications are for the optional fully automatic luffing jib for the AR-1600M type crane. Refer to these specifications along with specification control no. AR-1600M-1/MB.

Control No. AR-1600M-1/FLJ-02



AR-1600M-1 / FLJ -02

AR-1600M

CRANE SPECIFICATIONS

CRANE CAPACITY

10.2m	Jib	18,600kg	at 10.0m	(2part-line)
17.9m	Jib	9,300kg	at 14.0m	(1part-line)
25.7m	Jib	5,600kg	at 16.0m	(1part-line)

JIB

3-section synchronously telescoping boom of box construction

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

1.7m (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

17.9m

25.7m

MAX.LIFTING HEIGHT

78.0m

MAX.WORKING RADIUS

55.0m



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, 9.4t 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 FF of the total rated load.

Counterweight Outrigger extension width	50t	44t	34t	25t	0t
8.8m	FA (FC)	FA (FD)	FC (FE)	FD (FF)	FF (–)
8.0m	FA (FC)	FB (FD)	FD (FE)	FE (FF)	–
6.8m	FC (FC)	FD (FD)	FE (FE)	FF (FF)	–
5.6m	–	–	FF (FF)	FF (FF)	–
2.7m	–	–	–	–	–

- If the rear jack is not used, the performance classification in parentheses shall apply.
5. The standard hook and number of part lines are shown in the total rated loads chart. The load per line should not exceed 9.4t.
 6. When the maximum instantaneous velocity is 10m/s or more, stop crane operation.
 7. Mark 0 in the total rated load chart shows the boom angle range (under no load).
 8. The total rated loads shown are for the case where the 2nd boom section fixing pin is used.
Ensure that the 2nd boom section fixing pin is used with the fully automatic luffing jib.



AR-1600M-1 / FLJ -02

Performance FA 31.8m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
7.0	81.0	18.6								
8.0	79.7	18.6								
9.0	78.4	18.6	80.8	13.9						
10.0	77.1	17.6	79.5	13.4	81.5	10.8				
11.0	75.8	16.8	78.2	12.9	80.1	10.5				
12.0	74.5	16.0	76.8	12.4	78.8	10.2	81.3	8.2		
14.0	71.8	14.7	74.1	11.6	76.1	9.7	78.4	7.9	80.6	6.7
16.0	69.0	13.6	71.4	10.9	73.3	9.2	75.6	7.7	77.5	6.6
18.0	66.1	12.6	68.6	10.3	70.4	8.8	72.6	7.4	74.4	6.6
20.0	63.2	11.8	65.7	9.8	67.5	8.5	69.6	7.3	71.1	6.6
22.0	60.2	11.0	62.6	9.3	64.5	8.2	66.5	7.1	67.7	6.6
24.0	57.0	10.4	59.5	8.9	61.3	7.9	63.2	7.0		
26.0	53.8	9.8	56.3	8.6	58.0	7.7	59.8	7.0		
28.0	50.3	9.3	52.8	8.2	54.5	7.5	56.1	6.9		
30.0	46.6	8.8	49.2	8.0	50.8	7.1	52.2	6.9		
32.0	42.6	7.9	45.2	7.7	46.7	6.8				
34.0	38.2	6.7	40.7	6.7	42.2	6.4				
36.0	33.1	5.5	35.6	5.7	36.9	5.8				
38.0	27.2	4.4	29.4	4.5						
40.0	19.1	2.7								
θ (°)	18 ~ 83		28 ~ 83		35 ~ 83		51 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
10.0	80.5	9.3								
11.0	79.5	9.3								
12.0	78.4	9.3								
14.0	76.3	8.9	79.5	7.2						
16.0	74.1	8.5	77.3	6.6	80.3	5.4				
18.0	71.8	7.8	75.0	6.2	78.0	5.0				
20.0	69.5	7.2	72.7	5.7	75.6	4.8	79.2	3.8		
22.0	67.1	6.7	70.3	5.5	73.3	4.6	76.7	3.8	80.2	3.1
24.0	64.7	6.2	67.9	5.2	70.8	4.4	74.1	3.6	77.4	3.1
26.0	62.2	5.8	65.4	4.9	68.3	4.2	71.5	3.5	74.5	3.0
28.0	59.6	5.4	62.8	4.6	65.7	4.0	68.7	3.3	71.4	3.0
30.0	56.9	5.1	60.1	4.4	63.0	3.9	65.9	3.3	68.2	3.0
32.0	54.1	4.8	57.4	4.2	60.2	3.8	62.9	3.3		
34.0	51.2	4.5	54.5	4.0	57.2	3.6	59.8	3.2		
36.0	48.2	4.3	51.4	3.9	54.1	3.5	56.4	3.2		
38.0	44.9	4.1	48.1	3.8	50.8	3.5	52.8	3.2		
40.0	41.3	3.9	44.6	3.8	47.3	3.5				
42.0	37.5	3.7	40.7	3.7	43.3	3.5				
44.0	33.0	3.5	36.3	3.6	38.7	3.5				
46.0	27.7	3.1	30.9	3.3						
48.0	20.3	1.8								
θ (°)	19 ~ 83		29 ~ 83		37 ~ 83		51 ~ 83		67 ~ 83	
F	9.4t 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 + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	80.8	5.6								
14.0	79.0	5.6								
16.0	77.2	5.6								
18.0	75.3	5.1	79.4	3.9						
20.0	73.3	4.7	77.5	3.6	81.4	2.9				
22.0	71.4	4.4	75.6	3.5	79.5	2.8				
24.0	69.4	4.0	73.6	3.2	77.5	2.6				
26.0	67.3	3.7	71.6	3.0	75.4	2.4	79.5	2.0		
28.0	65.2	3.5	69.6	2.8	73.5	2.4	77.4	2.0		
30.0	63.1	3.2	67.5	2.6	71.4	2.3	75.2	2.0	79.5	1.5
32.0	60.9	3.0	65.4	2.6	69.2	2.2	72.8	1.9	76.9	1.5
34.0	58.7	2.9	63.2	2.5	67.1	2.2	70.5	1.9	74.2	1.5
36.0	56.4	2.8	60.9	2.4	64.8	2.1	68.0	1.9	71.3	1.4
38.0	53.9	2.6	58.5	2.4	62.5	2.1	65.5	1.9		
40.0	51.4	2.5	56.1	2.4	60.1	2.1	62.8	1.8		
42.0	48.8	2.4	53.5	2.3	57.5	2.1	59.9	1.8		
44.0	46.0	2.3	50.8	2.2	54.8	2.0	56.9	1.8		
46.0	43.0	2.2	47.9	2.2	51.9	2.0	53.6	1.8		
48.0	39.7	2.1	44.7	2.1	48.7	1.9				
50.0	36.1	1.9	41.2	2.0	45.1	1.8				
55.0	24.3	1.7	29.6	1.8						
θ (°)	23 ~ 83		28 ~ 83		44 ~ 83		52 ~ 83		71 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FA 40.9m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
9.0	81.3	18.6								
10.0	80.4	18.6								
11.0	79.3	17.9	81.2	13.4						
12.0	78.3	17.2	80.2	13.0						
14.0	76.2	16.0	78.1	12.3	79.4	10.0	81.5	8.0		
16.0	74.1	14.8	76.0	11.6	77.3	9.6	79.3	7.8	80.1	6.5
18.0	71.9	13.9	73.8	11.0	75.1	9.2	77.1	7.6	77.7	6.5
20.0	69.7	13.0	71.6	10.5	72.9	8.9	74.8	7.4	75.2	6.5
22.0	67.4	12.3	69.4	10.1	70.6	8.6	72.5	7.3	72.7	6.5
24.0	65.0	11.2	67.1	9.7	68.3	8.4	70.2	7.2	70.0	6.5
26.0	62.5	10.0	64.7	9.1	65.9	8.1	67.8	7.1	67.3	6.5
28.0	59.9	9.0	62.2	8.3	63.4	7.7	65.3	7.0		
30.0	57.3	8.1	59.5	7.6	60.8	7.1	62.6	6.7		
32.0	54.5	7.1	56.8	6.9	58.0	6.5	59.8	6.2		
34.0	51.6	6.2	53.9	6.1	55.1	6.0	56.8	5.8		
36.0	48.5	5.2	50.8	5.2	52.1	5.6				
38.0	45.2	4.3	47.4	4.3	48.7	4.8				
40.0	41.6	3.1	43.8	3.4	45.0	3.7				
42.0	37.7	2.1	39.9	2.4	40.8	2.5				
44.0			35.4	1.4	36.2	1.5				
θ (°)	37 ~ 83		35 ~ 83		36 ~ 83		55 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	81.0	9.3								
14.0	79.3	9.3								
16.0	77.6	8.9	80.1	7.0						
18.0	75.8	8.4	78.3	6.4	80.8	5.1				
20.0	74.0	7.8	76.5	6.1	79.0	4.8				
22.0	72.1	7.2	74.6	5.6	77.1	4.6	80.2	3.7		
24.0	70.2	6.8	72.7	5.5	75.2	4.4	78.2	3.6	79.9	3.0
26.0	68.2	6.4	70.8	5.1	73.3	4.3	76.2	3.5	77.7	3.0
28.0	66.2	6.0	68.8	4.9	71.3	4.2	74.2	3.4	75.3	3.0
30.0	64.2	5.7	66.8	4.8	69.4	4.1	72.2	3.4	72.9	3.0
32.0	62.1	5.4	64.7	4.5	67.3	4.0	70.0	3.3	70.5	3.0
34.0	60.0	5.2	62.6	4.4	65.2	3.9	67.9	3.3	67.9	3.0
36.0	57.8	5.0	60.4	4.3	63.0	3.8	65.7	3.3		
38.0	55.5	4.7	58.2	4.2	60.7	3.7	63.3	3.2		
40.0	53.0	4.3	55.8	4.0	58.4	3.6	60.9	3.2		
42.0	50.4	3.8	53.2	3.6	55.9	3.5	58.3	3.1		
44.0	47.6	3.2	50.5	3.3	53.1	3.1	55.6	3.1		
46.0	44.6	2.7	47.5	2.9	50.1	2.8	52.5	2.9		
48.0	41.2	1.9	44.2	2.3	46.9	2.4				
50.0					43.2	1.8				
θ (°)	41 ~ 83		43 ~ 83		42 ~ 83		51 ~ 83		67 ~ 83	
F	9.4t 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 + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.0	5.6								
18.0	78.5	5.3								
20.0	76.9	4.9	80.2	4.0						
22.0	75.3	4.6	78.5	3.5						
24.0	73.7	4.3	77.0	3.3	80.0	2.7				
26.0	72.1	4.0	75.3	3.1	78.4	2.6				
28.0	70.5	3.8	73.7	3.0	76.8	2.5	80.3	1.9		
30.0	68.8	3.6	72.1	2.9	75.1	2.4	78.6	1.9		
32.0	67.1	3.3	70.4	2.7	73.5	2.3	76.8	1.8	79.6	1.4
34.0	65.4	3.2	68.7	2.6	71.7	2.2	75.1	1.8	77.5	1.4
36.0	63.6	3.0	66.9	2.5	70.0	2.1	73.2	1.8	75.3	1.4
38.0	61.8	2.9	65.1	2.4	68.2	2.1	71.3	1.7	73.1	1.4
40.0	59.9	2.8	63.2	2.3	66.3	2.0	69.4	1.7	70.8	1.4
42.0	57.9	2.6	61.3	2.2	64.5	2.0	67.5	1.7		
44.0	55.9	2.5	59.4	2.2	62.6	2.0	65.4	1.7		
46.0	53.9	2.4	57.4	2.2	60.6	2.0	63.2	1.6		
48.0	51.7	2.3	55.3	2.1	58.4	1.9	61.0	1.6		
50.0	49.4	2.2	53.0	2.0	56.3	1.9	58.7	1.6		
55.0					50.1	1.7				
θ (°)	48 ~ 83		52 ~ 83		49 ~ 83		58 ~ 83		70 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FA 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
B (m)	E	M	E	M	E	M	E	M	E	M
11.0	80.7	17.6								
12.0	79.8	17.0	81.4	12.8						
14.0	78.0	15.8	79.5	12.0	80.8	9.7				
16.0	76.1	14.8	77.7	11.5	79.0	9.4	80.7	7.5		
18.0	74.1	13.8	75.7	10.8	77.1	9.0	78.7	7.1	80.2	6.3
20.0	72.1	12.4	73.8	10.2	75.1	8.6	76.6	6.7	78.0	6.0
22.0	69.9	11.0	71.8	9.6	73.1	8.3	74.6	6.3	75.8	5.7
24.0	67.8	9.8	69.7	8.9	71.1	7.9	72.5	6.2	73.7	5.7
26.0	65.6	8.8	67.5	8.3	68.9	7.5	70.4	6.1	71.5	5.7
28.0	63.3	8.0	65.3	7.7	66.8	7.2	68.2	5.9	69.2	5.7
30.0	61.0	7.3	63.1	7.1	64.5	6.7	65.9	5.8		
32.0	58.6	6.6	60.7	6.4	62.1	6.2	63.6	5.7		
34.0	56.1	5.9	58.2	5.7	59.7	5.7	61.2	5.5		
36.0	53.5	5.2	55.5	4.9	57.0	5.0	58.5	5.0		
38.0	50.7	4.2	52.7	4.2	54.1	4.2	55.7	4.5		
40.0	47.7	3.1	49.8	3.4	51.1	3.4	52.6	3.9		
42.0	44.5	2.1	46.6	2.4	47.9	2.6				
44.0					44.3	1.6				
θ (°)	44 ~ 83		46 ~ 83		44 ~ 83		51 ~ 83		67 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	78.9	8.5								
18.0	77.3	8.5	79.9	7.1						
20.0	75.7	8.0	78.2	6.3	80.5	5.1				
22.0	74.0	7.5	76.5	5.8	78.9	4.8				
24.0	72.3	7.0	74.8	5.5	77.2	4.6	79.9	3.7		
26.0	70.5	6.6	73.1	5.3	75.5	4.4	78.2	3.6		
28.0	68.8	6.3	71.4	5.1	73.8	4.3	76.4	3.5	78.0	3.0
30.0	67.0	6.0	69.6	4.9	72.1	4.2	74.6	3.4	76.1	3.0
32.0	65.1	5.6	67.8	4.7	70.3	4.1	72.8	3.3	74.0	2.9
34.0	63.2	5.4	65.9	4.5	68.5	4.0	70.9	3.2	71.9	2.9
36.0	61.3	5.2	64.0	4.3	66.6	3.9	69.0	3.2	69.7	2.9
38.0	59.3	4.9	62.1	4.2	64.7	3.8	67.0	3.1		
40.0	57.0	4.3	60.1	4.1	62.7	3.7	65.0	3.1		
42.0	54.7	3.7	57.8	3.6	60.6	3.6	62.8	3.0		
44.0	52.3	3.1	55.4	3.2	58.3	3.3	60.7	3.0		
46.0	49.7	2.5	52.9	2.7	55.7	2.8	58.3	2.9		
48.0	46.9	1.7	50.2	2.2	53.0	2.3	55.7	2.7		
50.0					50.1	1.8				
θ (°)	46 ~ 83		49 ~ 83		49 ~ 83		54 ~ 83		68 ~ 83	
F	9.4t 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 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.7	5.3								
18.0	79.4	5.3								
20.0	78.0	5.0	81.2	4.6						
22.0	76.5	4.7	79.6	3.8						
24.0	75.1	4.4	78.2	3.5	81.1	2.9				
26.0	73.6	4.1	76.6	3.2	79.5	2.5				
28.0	72.1	3.9	75.1	3.0	78.1	2.4				
30.0	70.6	3.7	73.6	2.8	76.6	2.3	79.6	1.8		
32.0	69.0	3.5	72.1	2.7	75.1	2.3	78.0	1.8		
34.0	67.4	3.3	70.5	2.6	73.6	2.2	76.4	1.7	79.8	1.4
36.0	65.8	3.1	69.0	2.5	72.0	2.1	74.8	1.7	78.0	1.3
38.0	64.2	3.0	67.4	2.5	70.4	2.1	73.1	1.7	76.1	1.3
40.0	62.4	2.8	65.7	2.4	68.8	2.0	71.4	1.7	74.3	1.3
42.0	60.7	2.7	64.1	2.4	67.1	2.0	69.6	1.6	72.4	1.3
44.0	59.0	2.6	62.3	2.3	65.4	1.9	67.8	1.6		
46.0	57.1	2.5	60.5	2.2	63.7	1.9	66.0	1.6		
48.0	55.3	2.4	58.7	2.2	61.8	1.8	64.1	1.6		
50.0	53.3	2.3	56.8	2.1	60.0	1.8	62.0	1.5		
55.0					54.9	1.7	56.6	1.5		
θ (°)	52 ~ 83		56 ~ 83		54 ~ 83		55 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FA 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
14.0	79.4	13.2	81.1	12.6						
16.0	77.8	13.2	79.4	11.7	80.6	9.6				
18.0	76.1	13.2	77.6	10.7	78.8	8.8	80.4	7.1		
20.0	74.2	12.0	75.7	9.5	77.0	8.0	78.6	6.5	79.5	5.6
22.0	72.3	10.7	73.9	8.9	75.1	7.5	76.7	6.2	77.6	5.5
24.0	70.3	9.4	72.1	8.3	73.3	7.0	74.9	6.0	75.7	5.5
26.0	68.4	8.4	70.2	7.9	71.5	6.9	73.1	5.9	73.8	5.4
28.0	66.3	7.3	68.2	7.1	69.6	6.7	71.2	5.8	71.8	5.3
30.0	64.1	6.4	66.1	6.4	67.6	6.1	69.3	5.7	69.8	5.3
32.0	62.0	5.6	64.0	5.7	65.5	5.6	67.3	5.4		
34.0	59.8	4.9	61.8	5.1	63.3	5.1	65.0	4.9		
36.0	57.5	4.2	59.5	4.5	61.0	4.5	62.7	4.3		
38.0	55.1	3.6	57.1	3.8	58.6	4.0	60.2	3.7		
40.0	52.6	3.0	54.6	3.2	56.1	3.4	57.6	3.2		
42.0			51.9	2.3	53.4	2.6	54.8	2.6		
44.0							51.8	1.8		
θ (°)	52 ~ 83		51 ~ 83		52 ~ 83		51 ~ 83		68 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	79.7	8.0								
18.0	78.3	8.0	81.4	7.1						
20.0	76.8	8.0	80.0	6.8						
22.0	75.4	8.0	78.5	6.5	80.2	5.2				
24.0	73.9	7.9	77.0	6.2	78.7	5.0	81.5	4.0		
26.0	72.3	7.4	75.5	5.9	77.2	4.8	79.9	3.9		
28.0	70.7	7.0	74.0	5.6	75.6	4.5	78.4	3.8	80.2	3.2
30.0	69.0	6.4	72.3	5.1	74.0	4.2	76.7	3.5	78.4	3.0
32.0	67.2	5.8	70.6	4.7	72.3	4.0	75.0	3.3	76.7	2.9
34.0	65.4	5.2	68.9	4.4	70.6	3.8	73.4	3.2	74.8	2.8
36.0	63.5	4.7	67.2	4.1	68.9	3.6	71.6	3.0	73.0	2.7
38.0	61.6	4.2	65.4	3.9	67.2	3.4	69.9	2.9		
40.0	59.6	3.6	63.5	3.4	65.3	3.2	68.1	2.8		
42.0	57.6	3.1	61.5	3.1	63.4	3.0	66.2	2.7		
44.0	55.4	2.6	59.5	2.8	61.5	2.9	64.3	2.6		
46.0	53.3	2.3	57.4	2.4	59.6	2.8	62.3	2.5		
48.0			55.2	2.1	57.4	2.5	60.2	2.4		
50.0							57.8	2.1		
θ (°)	53 ~ 83		54 ~ 83		56 ~ 83		56 ~ 83		71 ~ 83	
F	9.4t 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 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
18.0	79.9	5.0								
20.0	78.7	5.0								
22.0	77.4	5.0	81.2	4.7						
24.0	76.1	5.0	79.8	4.4						
26.0	74.8	5.0	78.5	4.1	81.0	3.4				
28.0	73.4	4.7	77.1	3.8	79.6	3.0				
30.0	72.0	4.5	75.8	3.6	78.2	2.9				
32.0	70.6	4.3	74.4	3.4	76.9	2.8	80.2	2.1		
34.0	69.1	4.0	72.9	3.2	75.4	2.6	78.7	2.0		
36.0	67.6	3.8	71.5	3.0	74.0	2.5	77.4	2.0	79.8	1.6
38.0	66.0	3.5	70.0	2.8	72.6	2.4	75.9	1.9	78.1	1.5
40.0	64.4	3.2	68.5	2.6	71.1	2.3	74.4	1.8	76.5	1.5
42.0	62.8	3.0	66.9	2.4	69.6	2.2	72.8	1.7	74.9	1.5
44.0	61.1	2.7	65.3	2.2	67.9	1.9	71.2	1.6	73.1	1.4
46.0	59.3	2.4	63.7	2.1	66.3	1.8	69.7	1.6		
48.0	57.6	2.2	62.1	2.0	64.6	1.7	68.0	1.5		
50.0	55.7	1.9	60.2	1.7	62.9	1.6	66.3	1.4		
55.0							61.9	1.3		
θ (°)	55 ~ 83		59 ~ 83		62 ~ 83		61 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FB 31.8m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
7.0	81.0	18.6								
8.0	79.7	18.6								
9.0	78.4	18.6	80.8	13.9						
10.0	77.1	17.6	79.5	13.4	81.5	10.8				
11.0	75.8	16.8	78.2	12.9	80.1	10.5				
12.0	74.5	16.0	76.8	12.4	78.8	10.2	81.3	8.2		
14.0	71.8	14.7	74.1	11.6	76.1	9.7	78.4	7.9	80.6	6.7
16.0	69.0	13.6	71.4	10.9	73.3	9.2	75.6	7.7	77.5	6.6
18.0	66.1	12.6	68.6	10.3	70.4	8.8	72.6	7.4	74.4	6.6
20.0	63.2	11.8	65.7	9.8	67.5	8.5	69.6	7.3	71.1	6.6
22.0	60.2	11.0	62.6	9.3	64.5	8.2	66.5	7.1	67.7	6.6
24.0	57.0	10.4	59.5	8.9	61.3	7.9	63.2	7.0		
26.0	53.8	9.8	56.3	8.6	58.0	7.7	59.8	7.0		
28.0	50.3	9.3	52.8	8.2	54.5	7.5	56.1	6.9		
30.0	46.6	8.8	49.2	8.0	50.8	7.1	52.2	6.9		
32.0	42.5	7.1	45.2	7.5	46.7	6.8				
34.0	38.0	5.5	40.5	5.9	42.1	6.1				
36.0	32.9	4.2	35.3	4.4	36.6	4.5				
38.0	26.9	3.0	29.0	3.1						
40.0	19.0	1.9								
θ (°)	18 ~ 83		28 ~ 83		35 ~ 83		51 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
10.0	80.5	9.3								
11.0	79.5	9.3								
12.0	78.4	9.3								
14.0	76.3	8.9	79.5	7.2						
16.0	74.1	8.5	77.3	6.6	80.3	5.4				
18.0	71.8	7.8	75.0	6.2	78.0	5.0				
20.0	69.5	7.2	72.7	5.7	75.6	4.8	79.2	3.8		
22.0	67.1	6.7	70.3	5.5	73.3	4.6	76.7	3.8	80.2	3.1
24.0	64.7	6.2	67.9	5.2	70.8	4.4	74.1	3.6	77.4	3.1
26.0	62.2	5.8	65.4	4.9	68.3	4.2	71.5	3.5	74.5	3.0
28.0	59.6	5.4	62.8	4.6	65.7	4.0	68.7	3.3	71.4	3.0
30.0	56.9	5.1	60.1	4.4	63.0	3.9	65.9	3.3	68.2	3.0
32.0	54.1	4.8	57.4	4.2	60.2	3.8	62.9	3.3		
34.0	51.2	4.5	54.5	4.0	57.2	3.6	59.8	3.2		
36.0	48.2	4.3	51.4	3.9	54.1	3.5	56.4	3.2		
38.0	44.9	4.1	48.1	3.8	50.8	3.5	52.8	3.2		
40.0	41.3	3.9	44.6	3.8	47.3	3.5				
42.0	37.4	3.6	40.7	3.7	43.3	3.5				
44.0	32.8	2.7	36.1	3.1	38.6	3.3				
46.0	27.3	1.9	30.4	2.1						
θ (°)	26 ~ 83		29 ~ 83		37 ~ 83		51 ~ 83		67 ~ 83	
F	9.4t 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 + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	80.8	5.6								
14.0	79.0	5.6								
16.0	77.2	5.6								
18.0	75.3	5.1	79.4	3.9						
20.0	73.3	4.7	77.5	3.6	81.4	2.9				
22.0	71.4	4.4	75.6	3.5	79.5	2.8				
24.0	69.4	4.0	73.6	3.2	77.5	2.6				
26.0	67.3	3.7	71.6	3.0	75.4	2.4	79.5	2.0		
28.0	65.2	3.5	69.6	2.8	73.5	2.4	77.4	2.0		
30.0	63.1	3.2	67.5	2.6	71.4	2.3	75.2	2.0	79.5	1.5
32.0	60.9	3.0	65.4	2.6	69.2	2.2	72.8	1.9	76.9	1.5
34.0	58.7	2.9	63.2	2.5	67.1	2.2	70.5	1.9	74.2	1.5
36.0	56.4	2.8	60.9	2.4	64.8	2.1	68.0	1.9	71.3	1.4
38.0	53.9	2.6	58.5	2.4	62.5	2.1	65.5	1.9		
40.0	51.4	2.5	56.1	2.4	60.1	2.1	62.8	1.8		
42.0	48.8	2.4	53.5	2.3	57.5	2.1	59.9	1.8		
44.0	46.0	2.3	50.8	2.2	54.8	2.0	56.9	1.8		
46.0	43.0	2.2	47.9	2.2	51.9	2.0	53.6	1.8		
48.0	39.7	2.1	44.7	2.1	48.7	1.9				
50.0	36.1	1.9	41.2	2.0	45.1	1.8				
θ (°)	35 ~ 83		40 ~ 83		44 ~ 83		52 ~ 83		71 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FB 40.9m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
9.0	81.3	18.6								
10.0	80.4	18.6								
11.0	79.3	17.9	81.2	13.4						
12.0	78.3	17.2	80.2	13.0						
14.0	76.2	16.0	78.1	12.3	79.4	10.0	81.5	8.0		
16.0	74.1	14.8	76.0	11.6	77.3	9.6	79.3	7.8	80.1	6.5
18.0	71.9	13.9	73.8	11.0	75.1	9.2	77.1	7.6	77.7	6.5
20.0	69.7	13.0	71.6	10.5	72.9	8.9	74.8	7.4	75.2	6.5
22.0	67.4	12.3	69.4	10.1	70.6	8.6	72.5	7.3	72.7	6.5
24.0	65.0	11.2	67.1	9.7	68.3	8.4	70.2	7.2	70.0	6.5
26.0	62.5	10.0	64.7	9.1	65.9	8.1	67.8	7.1	67.3	6.5
28.0	59.9	9.0	62.2	8.3	63.4	7.7	65.3	7.0		
30.0	57.3	8.1	59.5	7.6	60.8	7.1	62.6	6.7		
32.0	54.5	7.0	56.8	6.9	58.0	6.5	59.8	6.2		
34.0	51.4	5.4	53.8	5.9	55.1	6.0	56.8	5.8		
36.0	48.2	4.1	50.5	4.5	51.8	4.8				
38.0	44.8	2.9	47.1	3.2	48.3	3.5				
40.0	41.2	1.8	43.4	2.1	44.5	2.3				
42.0					40.3	1.3				
θ (°)	41 ~ 83		43 ~ 83		40 ~ 83		55 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	81.0	9.3								
14.0	79.3	9.3								
16.0	77.6	8.9	80.1	7.0						
18.0	75.8	8.4	78.3	6.4	80.8	5.1				
20.0	74.0	7.8	76.5	6.1	79.0	4.8				
22.0	72.1	7.2	74.6	5.6	77.1	4.6	80.2	3.7		
24.0	70.2	6.8	72.7	5.5	75.2	4.4	78.2	3.6	79.9	3.0
26.0	68.2	6.4	70.8	5.1	73.3	4.3	76.2	3.5	77.7	3.0
28.0	66.2	6.0	68.8	4.9	71.3	4.2	74.2	3.4	75.3	3.0
30.0	64.2	5.7	66.8	4.8	69.4	4.1	72.2	3.4	72.9	3.0
32.0	62.1	5.4	64.7	4.5	67.3	4.0	70.0	3.3	70.5	3.0
34.0	60.0	5.2	62.6	4.4	65.2	3.9	67.9	3.3	67.9	3.0
36.0	57.8	5.0	60.4	4.3	63.0	3.8	65.7	3.3		
38.0	55.5	4.7	58.2	4.2	60.7	3.7	63.3	3.2		
40.0	53.0	4.2	55.8	4.0	58.4	3.6	60.9	3.2		
42.0	50.1	3.2	53.2	3.6	55.9	3.5	58.3	3.1		
44.0	47.2	2.3	50.3	2.9	53.1	3.1	55.6	3.1		
46.0	44.0	1.5	47.0	2.0	49.9	2.4	52.4	2.7		
θ (°)	44 ~ 83		46 ~ 83		49 ~ 83		51 ~ 83		67 ~ 83	
F	9.4t 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 + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.0	5.6								
18.0	78.5	5.3								
20.0	76.9	4.9	80.2	4.0						
22.0	75.3	4.6	78.5	3.5						
24.0	73.7	4.3	77.0	3.3	80.0	2.7				
26.0	72.1	4.0	75.3	3.1	78.4	2.6				
28.0	70.5	3.8	73.7	3.0	76.8	2.5	80.3	1.9		
30.0	68.8	3.6	72.1	2.9	75.1	2.4	78.6	1.9		
32.0	67.1	3.3	70.4	2.7	73.5	2.3	76.8	1.8	79.6	1.4
34.0	65.4	3.2	68.7	2.6	71.7	2.2	75.1	1.8	77.5	1.4
36.0	63.6	3.0	66.9	2.5	70.0	2.1	73.2	1.8	75.3	1.4
38.0	61.8	2.9	65.1	2.4	68.2	2.1	71.3	1.7	73.1	1.4
40.0	59.9	2.8	63.2	2.3	66.3	2.0	69.4	1.7	70.8	1.4
42.0	57.9	2.6	61.3	2.2	64.5	2.0	67.5	1.7		
44.0	55.9	2.5	59.4	2.2	62.6	2.0	65.4	1.7		
46.0	53.9	2.4	57.4	2.2	60.6	2.0	63.2	1.6		
48.0	51.7	2.3	55.3	2.1	58.4	1.9	61.0	1.6		
50.0	49.2	1.8	53.0	2.0	56.3	1.9	58.7	1.6		
θ (°)	48 ~ 83		52 ~ 83		55 ~ 83		58 ~ 83		70 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FB 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
B (m)	E	M	E	M	E	M	E	M	E	M
11.0	80.7	17.6								
12.0	79.8	17.0	81.4	12.8						
14.0	78.0	15.8	79.5	12.0	80.8	9.7				
16.0	76.1	14.8	77.7	11.5	79.0	9.4	80.7	7.5		
18.0	74.1	13.8	75.7	10.8	77.1	9.0	78.7	7.1	80.2	6.3
20.0	72.1	12.4	73.8	10.2	75.1	8.6	76.6	6.7	78.0	6.0
22.0	69.9	11.0	71.8	9.6	73.1	8.3	74.6	6.3	75.8	5.7
24.0	67.8	9.8	69.7	8.9	71.1	7.9	72.5	6.2	73.7	5.7
26.0	65.6	8.8	67.5	8.3	68.9	7.5	70.4	6.1	71.5	5.7
28.0	63.3	8.0	65.3	7.7	66.8	7.2	68.2	5.9	69.2	5.7
30.0	61.0	7.3	63.1	7.1	64.5	6.7	65.9	5.8		
32.0	58.6	6.6	60.7	6.4	62.1	6.2	63.6	5.7		
34.0	56.0	5.3	58.2	5.7	59.7	5.7	61.2	5.5		
36.0	53.2	4.0	55.4	4.5	56.9	4.8	58.5	5.0		
38.0	50.3	2.8	52.4	3.2	53.9	3.5	55.4	3.8		
40.0			49.3	2.1	50.7	2.4	52.0	2.6		
θ (°)	50 ~ 83		49 ~ 83		50 ~ 83		51 ~ 83		67 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	78.9	8.5								
18.0	77.3	8.5	79.9	7.1						
20.0	75.7	8.0	78.2	6.3	80.5	5.1				
22.0	74.0	7.5	76.5	5.8	78.9	4.8				
24.0	72.3	7.0	74.8	5.5	77.2	4.6	79.9	3.7		
26.0	70.5	6.6	73.1	5.3	75.5	4.4	78.2	3.6		
28.0	68.8	6.3	71.4	5.1	73.8	4.3	76.4	3.5	78.0	3.0
30.0	67.0	6.0	69.6	4.9	72.1	4.2	74.6	3.4	76.1	3.0
32.0	65.1	5.6	67.8	4.7	70.3	4.1	72.8	3.3	74.0	2.9
34.0	63.2	5.4	65.9	4.5	68.5	4.0	70.9	3.2	71.9	2.9
36.0	61.3	5.2	64.0	4.3	66.6	3.9	69.0	3.2	69.7	2.9
38.0	59.3	4.9	62.1	4.2	64.7	3.8	67.0	3.1		
40.0	56.9	4.0	60.1	4.1	62.7	3.7	65.0	3.1		
42.0	54.4	3.0	57.8	3.6	60.6	3.6	62.8	3.0		
44.0	51.8	2.2	55.1	2.7	58.2	3.2	60.7	3.0		
46.0			52.4	1.9	55.3	2.3	58.1	2.7		
48.0							54.8	1.8		
θ (°)	51 ~ 83		52 ~ 83		54 ~ 83		54 ~ 83		68 ~ 83	
F	9.4t 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 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.7	5.3								
18.0	79.4	5.3								
20.0	78.0	5.0	81.2	4.6						
22.0	76.5	4.7	79.6	3.8						
24.0	75.1	4.4	78.2	3.5	81.1	2.9				
26.0	73.6	4.1	76.6	3.2	79.5	2.5				
28.0	72.1	3.9	75.1	3.0	78.1	2.4				
30.0	70.6	3.7	73.6	2.8	76.6	2.3	79.6	1.8		
32.0	69.0	3.5	72.1	2.7	75.1	2.3	78.0	1.8		
34.0	67.4	3.3	70.5	2.6	73.6	2.2	76.4	1.7	79.8	1.4
36.0	65.8	3.1	69.0	2.5	72.0	2.1	74.8	1.7	78.0	1.3
38.0	64.2	3.0	67.4	2.5	70.4	2.1	73.1	1.7	76.1	1.3
40.0	62.4	2.8	65.7	2.4	68.8	2.0	71.4	1.7	74.3	1.3
42.0	60.7	2.7	64.1	2.4	67.1	2.0	69.6	1.6	72.4	1.3
44.0	59.0	2.6	62.3	2.3	65.4	1.9	67.8	1.6		
46.0	57.1	2.5	60.5	2.2	63.7	1.9	66.0	1.6		
48.0	55.1	2.2	58.7	2.2	61.8	1.8	64.1	1.6		
50.0			56.8	2.1	60.0	1.8	62.0	1.5		
θ (°)	54 ~ 83		56 ~ 83		59 ~ 83		61 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FB 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.4	13.2	81.1	12.6						
16.0	77.8	13.2	79.4	11.7	80.6	9.6				
18.0	76.1	13.2	77.6	10.7	78.8	8.8	80.4	7.1		
20.0	74.2	12.0	75.7	9.5	77.0	8.0	78.6	6.5	79.5	5.6
22.0	72.3	10.7	73.9	8.9	75.1	7.5	76.7	6.2	77.6	5.5
24.0	70.3	9.4	72.1	8.3	73.3	7.0	74.9	6.0	75.7	5.5
26.0	68.4	8.4	70.2	7.9	71.5	6.9	73.1	5.9	73.8	5.4
28.0	66.3	7.3	68.2	7.1	69.6	6.7	71.2	5.8	71.8	5.3
30.0	64.1	6.4	66.1	6.4	67.6	6.1	69.3	5.7	69.8	5.3
32.0	62.0	5.6	64.0	5.7	65.5	5.6	67.3	5.4		
34.0	59.8	4.9	61.8	5.1	63.3	5.1	65.0	4.9		
36.0	57.4	3.9	59.5	4.4	61.0	4.5	62.7	4.3		
38.0			56.9	3.2	58.4	3.5	60.2	3.7		
40.0							57.3	2.7		
42.0							54.2	1.6		
θ (°)	56 ~ 83		56 ~ 83		57 ~ 83		54 ~ 83		68 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	79.7	8.0								
18.0	78.3	8.0	81.4	7.1						
20.0	76.8	8.0	80.0	6.8						
22.0	75.4	8.0	78.5	6.5	80.2	5.2				
24.0	73.9	7.9	77.0	6.2	78.7	5.0	81.5	4.0		
26.0	72.3	7.4	75.5	5.9	77.2	4.8	79.9	3.9		
28.0	70.7	7.0	74.0	5.6	75.6	4.5	78.4	3.8	80.2	3.2
30.0	69.0	6.4	72.3	5.1	74.0	4.2	76.7	3.5	78.4	3.0
32.0	67.2	5.8	70.6	4.7	72.3	4.0	75.0	3.3	76.7	2.9
34.0	65.4	5.2	68.9	4.4	70.6	3.8	73.4	3.2	74.8	2.8
36.0	63.5	4.7	67.2	4.1	68.9	3.6	71.6	3.0	73.0	2.7
38.0	61.6	4.2	65.4	3.9	67.2	3.4	69.9	2.9		
40.0	59.6	3.6	63.5	3.4	65.3	3.2	68.1	2.8		
42.0	57.5	2.9	61.5	3.1	63.4	3.0	66.2	2.7		
44.0			59.4	2.6	61.5	2.9	64.3	2.6		
46.0							62.3	2.5		
48.0							59.7	1.9		
θ (°)	57 ~ 83		58 ~ 83		60 ~ 83		58 ~ 83		71 ~ 83	
F	9.4t 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 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
18.0	79.9	5.0								
20.0	78.7	5.0								
22.0	77.4	5.0	81.2	4.7						
24.0	76.1	5.0	79.8	4.4						
26.0	74.8	5.0	78.5	4.1	81.0	3.4				
28.0	73.4	4.7	77.1	3.8	79.6	3.0				
30.0	72.0	4.5	75.8	3.6	78.2	2.9				
32.0	70.6	4.3	74.4	3.4	76.9	2.8	80.2	2.1		
34.0	69.1	4.0	72.9	3.2	75.4	2.6	78.7	2.0		
36.0	67.6	3.8	71.5	3.0	74.0	2.5	77.4	2.0	79.8	1.6
38.0	66.0	3.5	70.0	2.8	72.6	2.4	75.9	1.9	78.1	1.5
40.0	64.4	3.2	68.5	2.6	71.1	2.3	74.4	1.8	76.5	1.5
42.0	62.8	3.0	66.9	2.4	69.6	2.2	72.8	1.7	74.9	1.5
44.0	61.1	2.7	65.3	2.2	67.9	1.9	71.2	1.6	73.1	1.4
46.0	59.3	2.4	63.7	2.1	66.3	1.8	69.7	1.6		
48.0			62.1	2.0	64.6	1.7	68.0	1.5		
50.0					62.9	1.6	66.3	1.4		
θ (°)	58 ~ 83		61 ~ 83		62 ~ 83		65 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FC 31.8m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
7.0	81.0	18.6								
8.0	79.7	18.6								
9.0	78.4	18.6	80.8	13.9						
10.0	77.1	17.6	79.5	13.4	81.5	10.8				
11.0	75.8	16.8	78.2	12.9	80.1	10.5				
12.0	74.5	16.0	76.8	12.4	78.8	10.2	81.3	8.2		
14.0	71.8	14.7	74.1	11.6	76.1	9.7	78.4	7.9	80.6	6.7
16.0	69.0	13.6	71.4	10.9	73.3	9.2	75.6	7.7	77.5	6.6
18.0	66.1	12.6	68.6	10.3	70.4	8.8	72.6	7.4	74.4	6.6
20.0	63.2	11.8	65.7	9.8	67.5	8.5	69.6	7.3	71.1	6.6
22.0	60.2	11.0	62.6	9.3	64.5	8.2	66.5	7.1	67.7	6.6
24.0	57.0	10.4	59.5	8.9	61.3	7.9	63.2	7.0		
26.0	53.8	9.8	56.3	8.6	58.0	7.7	59.8	7.0		
28.0	50.2	8.7	52.8	8.2	54.5	7.5	56.1	6.9		
30.0	46.4	7.1	49.1	7.5	50.8	7.1	52.2	6.9		
32.0	42.3	5.6	44.9	6.0	46.6	6.2				
34.0	37.9	4.4	40.3	4.6	41.8	4.8				
36.0	32.8	3.2	35.1	3.5	36.3	3.6				
38.0	26.8	2.1	28.8	2.3						
θ (°)	26 ~ 83		28 ~ 83		35 ~ 83		51 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
10.0	80.5	9.3								
11.0	79.5	9.3								
12.0	78.4	9.3								
14.0	76.3	8.9	79.5	7.2						
16.0	74.1	8.5	77.3	6.6	80.3	5.4				
18.0	71.8	7.8	75.0	6.2	78.0	5.0				
20.0	69.5	7.2	72.7	5.7	75.6	4.8	79.2	3.8		
22.0	67.1	6.7	70.3	5.5	73.3	4.6	76.7	3.8	80.2	3.1
24.0	64.7	6.2	67.9	5.2	70.8	4.4	74.1	3.6	77.4	3.1
26.0	62.2	5.8	65.4	4.9	68.3	4.2	71.5	3.5	74.5	3.0
28.0	59.6	5.4	62.8	4.6	65.7	4.0	68.7	3.3	71.4	3.0
30.0	56.9	5.1	60.1	4.4	63.0	3.9	65.9	3.3	68.2	3.0
32.0	54.1	4.8	57.4	4.2	60.2	3.8	62.9	3.3		
34.0	51.2	4.5	54.5	4.0	57.2	3.6	59.8	3.2		
36.0	48.2	4.3	51.4	3.9	54.1	3.5	56.4	3.2		
38.0	44.9	4.1	48.1	3.8	50.8	3.5	52.8	3.2		
40.0	41.3	3.7	44.6	3.8	47.3	3.5				
42.0	37.2	2.8	40.6	3.2	43.2	3.4				
44.0	32.5	2.0	35.8	2.3	38.2	2.5				
θ (°)	32 ~ 83		35 ~ 83		37 ~ 83		51 ~ 83		67 ~ 83	
F	9.4t 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 + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	80.8	5.6								
14.0	79.0	5.6								
16.0	77.2	5.6								
18.0	75.3	5.1	79.4	3.9						
20.0	73.3	4.7	77.5	3.6	81.4	2.9				
22.0	71.4	4.4	75.6	3.5	79.5	2.8				
24.0	69.4	4.0	73.6	3.2	77.5	2.6				
26.0	67.3	3.7	71.6	3.0	75.4	2.4	79.5	2.0		
28.0	65.2	3.5	69.6	2.8	73.5	2.4	77.4	2.0		
30.0	63.1	3.2	67.5	2.6	71.4	2.3	75.2	2.0	79.5	1.5
32.0	60.9	3.0	65.4	2.6	69.2	2.2	72.8	1.9	76.9	1.5
34.0	58.7	2.9	63.2	2.5	67.1	2.2	70.5	1.9	74.2	1.5
36.0	56.4	2.8	60.9	2.4	64.8	2.1	68.0	1.9	71.3	1.4
38.0	53.9	2.6	58.5	2.4	62.5	2.1	65.5	1.9		
40.0	51.4	2.5	56.1	2.4	60.1	2.1	62.8	1.8		
42.0	48.8	2.4	53.5	2.3	57.5	2.1	59.9	1.8		
44.0	46.0	2.3	50.8	2.2	54.8	2.0	56.9	1.8		
46.0	43.0	2.2	47.9	2.2	51.9	2.0	53.6	1.8		
48.0	39.7	2.1	44.7	2.1	48.7	1.9				
50.0			41.2	2.0	45.1	1.8				
θ (°)	39 ~ 83		40 ~ 83		44 ~ 83		52 ~ 83		71 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FC 40.9m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
9.0	81.3	18.6								
10.0	80.4	18.6								
11.0	79.3	17.9	81.2	13.4						
12.0	78.3	17.2	80.2	13.0						
14.0	76.2	16.0	78.1	12.3	79.4	10.0	81.5	8.0		
16.0	74.1	14.8	76.0	11.6	77.3	9.6	79.3	7.8	80.1	6.5
18.0	71.9	13.9	73.8	11.0	75.1	9.2	77.1	7.6	77.7	6.5
20.0	69.7	13.0	71.6	10.5	72.9	8.9	74.8	7.4	75.2	6.5
22.0	67.4	12.3	69.4	10.1	70.6	8.6	72.5	7.3	72.7	6.5
24.0	65.0	11.2	67.1	9.7	68.3	8.4	70.2	7.2	70.0	6.5
26.0	62.5	10.0	64.7	9.1	65.9	8.1	67.8	7.1	67.3	6.5
28.0	59.9	8.6	62.2	8.3	63.4	7.7	65.3	7.0		
30.0	57.1	7.0	59.5	7.5	60.8	7.1	62.6	6.7		
32.0	54.2	5.5	56.5	6.0	57.9	6.3	59.8	6.2		
34.0	51.2	4.3	53.5	4.7	54.8	5.0	56.6	5.3		
36.0	48.0	3.1	50.2	3.5	51.5	3.8				
38.0	44.6	2.0	46.8	2.4	48.0	2.6				
θ (°)	44 ~ 83		46 ~ 83		47 ~ 83		55 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	81.0	9.3								
14.0	79.3	9.3								
16.0	77.6	8.9	80.1	7.0						
18.0	75.8	8.4	78.3	6.4	80.8	5.1				
20.0	74.0	7.8	76.5	6.1	79.0	4.8				
22.0	72.1	7.2	74.6	5.6	77.1	4.6	80.2	3.7		
24.0	70.2	6.8	72.7	5.5	75.2	4.4	78.2	3.6	79.9	3.0
26.0	68.2	6.4	70.8	5.1	73.3	4.3	76.2	3.5	77.7	3.0
28.0	66.2	6.0	68.8	4.9	71.3	4.2	74.2	3.4	75.3	3.0
30.0	64.2	5.7	66.8	4.8	69.4	4.1	72.2	3.4	72.9	3.0
32.0	62.1	5.4	64.7	4.5	67.3	4.0	70.0	3.3	70.5	3.0
34.0	60.0	5.2	62.6	4.4	65.2	3.9	67.9	3.3	67.9	3.0
36.0	57.8	5.0	60.4	4.3	63.0	3.8	65.7	3.3		
38.0	55.3	4.2	58.2	4.2	60.7	3.7	63.3	3.2		
40.0	52.6	3.3	55.7	3.9	58.4	3.6	60.9	3.2		
42.0	49.8	2.4	52.9	3.0	55.8	3.4	58.3	3.1		
44.0	46.9	1.6	49.8	2.1	52.8	2.6	55.4	2.9		
46.0					49.4	1.7	51.8	2.0		
θ (°)	46 ~ 83		49 ~ 83		49 ~ 83		51 ~ 83		67 ~ 83	
F	9.4t 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 + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.0	5.6								
18.0	78.5	5.3								
20.0	76.9	4.9	80.2	4.0						
22.0	75.3	4.6	78.5	3.5						
24.0	73.7	4.3	77.0	3.3	80.0	2.7				
26.0	72.1	4.0	75.3	3.1	78.4	2.6				
28.0	70.5	3.8	73.7	3.0	76.8	2.5	80.3	1.9		
30.0	68.8	3.6	72.1	2.9	75.1	2.4	78.6	1.9		
32.0	67.1	3.3	70.4	2.7	73.5	2.3	76.8	1.8	79.6	1.4
34.0	65.4	3.2	68.7	2.6	71.7	2.2	75.1	1.8	77.5	1.4
36.0	63.6	3.0	66.9	2.5	70.0	2.1	73.2	1.8	75.3	1.4
38.0	61.8	2.9	65.1	2.4	68.2	2.1	71.3	1.7	73.1	1.4
40.0	59.9	2.8	63.2	2.3	66.3	2.0	69.4	1.7	70.8	1.4
42.0	57.9	2.6	61.3	2.2	64.5	2.0	67.5	1.7		
44.0	55.9	2.5	59.4	2.2	62.6	2.0	65.4	1.7		
46.0	53.9	2.4	57.4	2.2	60.6	2.0	63.2	1.6		
48.0	51.4	1.8	55.3	2.1	58.4	1.9	61.0	1.6		
50.0					56.3	1.9	58.7	1.6		
θ (°)	51 ~ 83		54 ~ 83		55 ~ 83		58 ~ 83		70 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FC 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
11.0	80.7	17.6								
12.0	79.8	17.0	81.4	12.8						
14.0	78.0	15.8	79.5	12.0	80.8	9.7				
16.0	76.1	14.8	77.7	11.5	79.0	9.4	80.7	7.5		
18.0	74.1	13.8	75.7	10.8	77.1	9.0	78.7	7.1	80.2	6.3
20.0	72.1	12.4	73.8	10.2	75.1	8.6	76.6	6.7	78.0	6.0
22.0	69.9	11.0	71.8	9.6	73.1	8.3	74.6	6.3	75.8	5.7
24.0	67.8	9.8	69.7	8.9	71.1	7.9	72.5	6.2	73.7	5.7
26.0	65.6	8.8	67.5	8.3	68.9	7.5	70.4	6.1	71.5	5.7
28.0	63.3	8.0	65.3	7.7	66.8	7.2	68.2	5.9	69.2	5.7
30.0	60.9	6.9	63.1	7.1	64.5	6.7	65.9	5.8		
32.0	58.4	5.5	60.5	5.9	62.1	6.2	63.6	5.7		
34.0	55.7	4.2	57.8	4.7	59.4	5.0	61.1	5.3		
36.0	53.0	3.1	55.0	3.5	56.5	3.8	58.1	4.1		
38.0					53.5	2.7	54.9	2.9		
40.0							51.6	1.8		
θ (°)	52 ~ 83		54 ~ 83		53 ~ 83		51 ~ 83		67 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	78.9	8.5								
18.0	77.3	8.5	79.9	7.1						
20.0	75.7	8.0	78.2	6.3	80.5	5.1				
22.0	74.0	7.5	76.5	5.8	78.9	4.8				
24.0	72.3	7.0	74.8	5.5	77.2	4.6	79.9	3.7		
26.0	70.5	6.6	73.1	5.3	75.5	4.4	78.2	3.6		
28.0	68.8	6.3	71.4	5.1	73.8	4.3	76.4	3.5	77.0	3.0
30.0	67.0	6.0	69.6	4.9	72.1	4.2	74.6	3.4	74.9	3.0
32.0	65.1	5.6	67.8	4.7	70.3	4.1	72.8	3.3	72.7	2.9
34.0	63.2	5.4	65.9	4.5	68.5	4.0	70.9	3.2	70.5	2.9
36.0	61.3	5.1	64.0	4.3	66.6	3.9	69.0	3.2	68.2	2.9
38.0	59.0	4.1	62.1	4.2	64.7	3.8	67.0	3.1		
40.0	56.6	3.2	59.9	3.8	62.7	3.7	65.0	3.1		
42.0	54.1	2.3	57.4	2.9	60.5	3.4	62.8	3.0		
44.0					57.7	2.5	60.6	2.9		
46.0							57.5	2.0		
θ (°)	53 ~ 83		56 ~ 83		56 ~ 83		56 ~ 83		67 ~ 83	
F	9.4t 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 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.7	5.3								
18.0	79.4	5.3								
20.0	78.0	5.0	81.2	4.6						
22.0	76.5	4.7	79.6	3.8						
24.0	75.1	4.4	78.2	3.5	81.1	2.9				
26.0	73.6	4.1	76.6	3.2	79.5	2.5				
28.0	72.1	3.9	75.1	3.0	78.1	2.4				
30.0	70.6	3.7	73.6	2.8	76.6	2.3	79.6	1.8		
32.0	69.0	3.5	72.1	2.7	75.1	2.3	78.0	1.8		
34.0	67.4	3.3	70.5	2.6	73.6	2.2	76.4	1.7	79.8	1.4
36.0	65.8	3.1	69.0	2.5	72.0	2.1	74.8	1.7	78.0	1.3
38.0	64.2	3.0	67.4	2.5	70.4	2.1	73.1	1.7	76.1	1.3
40.0	62.4	2.8	65.7	2.4	68.8	2.0	71.4	1.7	74.3	1.3
42.0	60.7	2.7	64.1	2.4	67.1	2.0	69.6	1.6	72.4	1.3
44.0	59.0	2.6	62.3	2.3	65.4	1.9	67.8	1.6		
46.0	57.0	2.2	60.5	2.2	63.7	1.9	66.0	1.6		
48.0			58.7	2.2	61.8	1.8	64.1	1.6		
50.0					60.0	1.8	62.0	1.5		
θ (°)	56 ~ 83		58 ~ 83		59 ~ 83		61 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FC 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
14.0	79.4	13.2	81.1	12.6						
16.0	77.8	13.2	79.4	11.7	80.6	9.6				
18.0	76.1	13.2	77.6	10.7	78.8	8.8	80.4	7.1		
20.0	74.2	12.0	75.7	9.5	77.0	8.0	78.6	6.5	79.5	5.6
22.0	72.3	10.7	73.9	8.9	75.1	7.5	76.7	6.2	77.6	5.5
24.0	70.3	9.4	72.1	8.3	73.3	7.0	74.9	6.0	75.7	5.5
26.0	68.4	8.4	70.2	7.9	71.5	6.9	73.1	5.9	73.8	5.4
28.0	66.3	7.3	68.2	7.1	69.6	6.7	71.2	5.8	71.8	5.3
30.0	64.1	6.4	66.1	6.4	67.6	6.1	69.3	5.7	69.8	5.3
32.0	61.9	5.4	64.0	5.7	65.5	5.6	67.3	5.4		
34.0	59.5	4.2	61.6	4.6	63.3	5.0	65.0	4.9		
36.0			59.1	3.5	60.7	3.8	62.6	4.1		
38.0							59.8	3.0		
40.0							56.8	1.9		
θ (°)	59 ~ 83		58 ~ 83		59 ~ 83		56 ~ 83		68 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	79.7	8.0								
18.0	78.3	8.0	81.4	7.1						
20.0	76.8	8.0	80.0	6.8						
22.0	75.4	8.0	78.5	6.5	80.2	5.2				
24.0	73.9	7.9	77.0	6.2	78.7	5.0	81.5	4.0		
26.0	72.3	7.4	75.5	5.9	77.2	4.8	79.9	3.9		
28.0	70.7	7.0	74.0	5.6	75.6	4.5	78.4	3.8	80.2	3.2
30.0	69.0	6.4	72.3	5.1	74.0	4.2	76.7	3.5	78.4	3.0
32.0	67.2	5.8	70.6	4.7	72.3	4.0	75.0	3.3	76.7	2.9
34.0	65.4	5.2	68.9	4.4	70.6	3.8	73.4	3.2	74.8	2.8
36.0	63.5	4.7	67.2	4.1	68.9	3.6	71.6	3.0	73.0	2.7
38.0	61.5	3.9	65.4	3.9	67.2	3.4	69.9	2.9		
40.0	59.4	3.0	63.5	3.4	65.3	3.2	68.1	2.8		
42.0			61.3	2.8	63.4	3.0	66.2	2.7		
44.0							64.3	2.6		
θ (°)	58 ~ 83		60 ~ 83		62 ~ 83		62 ~ 83		71 ~ 83	
F	9.4t 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 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
18.0	79.9	5.0								
20.0	78.7	5.0								
22.0	77.4	5.0	81.2	4.7						
24.0	76.1	5.0	79.8	4.4						
26.0	74.8	5.0	78.5	4.1	81.0	3.4				
28.0	73.4	4.7	77.1	3.8	79.6	3.0				
30.0	72.0	4.5	75.8	3.6	78.2	2.9				
32.0	70.6	4.3	74.4	3.4	76.9	2.8	80.2	2.1		
34.0	69.1	4.0	72.9	3.2	75.4	2.6	78.7	2.0		
36.0	67.6	3.8	71.5	3.0	74.0	2.5	77.4	2.0	79.8	1.6
38.0	66.0	3.5	70.0	2.8	72.6	2.4	75.9	1.9	78.1	1.5
40.0	64.4	3.2	68.5	2.6	71.1	2.3	74.4	1.8	76.5	1.5
42.0	62.8	3.0	66.9	2.4	69.6	2.2	72.8	1.7	74.9	1.5
44.0			65.3	2.2	67.9	1.9	71.2	1.6	73.1	1.4
46.0			63.7	2.1	66.3	1.8	69.7	1.6		
48.0					64.6	1.7	68.0	1.5		
50.0							66.3	1.4		
θ (°)	62 ~ 83		63 ~ 83		64 ~ 83		65 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FD 31.8m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
7.0	81.0	18.6								
8.0	79.7	18.6								
9.0	78.4	18.6	80.8	13.9						
10.0	77.1	17.6	79.5	13.4	81.5	10.8				
11.0	75.8	16.8	78.2	12.9	80.1	10.5				
12.0	74.5	16.0	76.8	12.4	78.8	10.2	81.3	8.2		
14.0	71.8	14.7	74.1	11.6	76.1	9.7	78.4	7.9	80.6	6.7
16.0	69.0	13.6	71.4	10.9	73.3	9.2	75.6	7.7	77.5	6.6
18.0	66.1	12.6	68.6	10.3	70.4	8.8	72.6	7.4	74.4	6.6
20.0	63.2	11.8	65.7	9.8	67.5	8.5	69.6	7.3	71.1	6.6
22.0	60.2	11.0	62.6	9.3	64.5	8.2	66.5	7.1	67.7	6.6
24.0	57.0	10.0	59.5	8.9	61.3	7.9	63.2	7.0		
26.0	53.6	7.9	56.3	8.5	58.0	7.7	59.8	7.0		
28.0	50.0	6.2	52.6	6.7	54.5	7.1	56.1	6.9		
30.0	46.2	4.6	48.7	5.1	50.4	5.4	51.9	5.7		
32.0	42.1	3.2	44.5	3.6	46.1	3.9				
34.0	37.6	1.9	39.8	2.3	41.2	2.5				
θ (°)	37 ~ 83		39 ~ 83		41 ~ 83		51 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
10.0	80.5	9.3								
11.0	79.5	9.3								
12.0	78.4	9.3								
14.0	76.3	8.9	79.5	7.2						
16.0	74.1	8.5	77.3	6.6	80.3	5.4				
18.0	71.8	7.8	75.0	6.2	78.0	5.0				
20.0	69.5	7.2	72.7	5.7	75.6	4.8	79.2	3.8		
22.0	67.1	6.7	70.3	5.5	73.3	4.6	76.7	3.8	80.2	3.1
24.0	64.7	6.2	67.9	5.2	70.8	4.4	74.1	3.6	77.4	3.1
26.0	62.2	5.8	65.4	4.9	68.3	4.2	71.5	3.5	74.5	3.0
28.0	59.6	5.4	62.8	4.6	65.7	4.0	68.7	3.3	71.4	3.0
30.0	56.9	5.1	60.1	4.4	63.0	3.9	65.9	3.3	68.2	3.0
32.0	54.1	4.8	57.4	4.2	60.2	3.8	62.9	3.3		
34.0	51.2	4.5	54.5	4.0	57.2	3.6	59.8	3.2		
36.0	48.0	3.6	51.4	3.9	54.1	3.5	56.4	3.2		
38.0	44.5	2.6	47.9	3.1	50.8	3.5	52.8	3.2		
40.0	40.7	1.7	44.0	2.1	46.8	2.5				
θ (°)	40 ~ 83		43 ~ 83		46 ~ 83		51 ~ 83		67 ~ 83	
F	9.4t 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 + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	80.8	5.6								
14.0	79.0	5.6								
16.0	77.2	5.6								
18.0	75.3	5.1	79.4	3.9						
20.0	73.3	4.7	77.5	3.6	81.4	2.9				
22.0	71.4	4.4	75.6	3.5	79.5	2.8				
24.0	69.4	4.0	73.6	3.2	77.5	2.6				
26.0	67.3	3.7	71.6	3.0	75.4	2.4	79.5	2.0		
28.0	65.2	3.5	69.6	2.8	73.5	2.4	77.4	2.0		
30.0	63.1	3.2	67.5	2.6	71.4	2.3	75.2	2.0	79.5	1.5
32.0	60.9	3.0	65.4	2.6	69.2	2.2	72.8	1.9	76.9	1.5
34.0	58.7	2.9	63.2	2.5	67.1	2.2	70.5	1.9	74.2	1.5
36.0	56.4	2.8	60.9	2.4	64.8	2.1	68.0	1.9	71.3	1.4
38.0	53.9	2.6	58.5	2.4	62.5	2.1	65.5	1.9		
40.0	51.4	2.5	56.1	2.4	60.1	2.1	62.8	1.8		
42.0	48.8	2.4	53.5	2.3	57.5	2.1	59.9	1.8		
44.0	45.8	1.9	50.8	2.2	54.8	2.0	56.9	1.8		
46.0			47.6	1.8	51.9	2.0	53.6	1.8		
θ (°)	45 ~ 83		47 ~ 83		51 ~ 83		52 ~ 83		71 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FD 40.9m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
9.0	81.3	18.6								
10.0	80.4	18.6								
11.0	79.3	17.9	81.2	13.4						
12.0	78.3	17.2	80.2	13.0						
14.0	76.2	16.0	78.1	12.3	79.4	10.0	81.5	8.0		
16.0	74.1	14.8	76.0	11.6	77.3	9.6	79.3	7.8	80.1	6.5
18.0	71.9	13.9	73.8	11.0	75.1	9.2	77.1	7.6	77.7	6.5
20.0	69.7	13.0	71.6	10.5	72.9	8.9	74.8	7.4	75.2	6.5
22.0	67.4	12.3	69.4	10.1	70.6	8.6	72.5	7.3	72.7	6.5
24.0	64.8	9.9	67.1	9.7	68.3	8.4	70.2	7.2	70.0	6.5
26.0	62.1	7.8	64.6	8.5	65.9	8.1	67.8	7.1	67.3	6.5
28.0	59.4	6.1	61.8	6.7	63.3	7.1	65.3	7.0		
30.0	56.6	4.5	58.9	5.1	60.4	5.5	62.4	6.0		
32.0	53.7	3.1	55.9	3.6	57.3	4.1	59.2	4.5		
34.0					54.1	2.7	55.8	3.0		
θ (°)	53 ~ 83		55 ~ 83		54 ~ 83		55 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	81.0	9.3								
14.0	79.3	9.3								
16.0	77.6	8.9	80.1	7.0						
18.0	75.8	8.4	78.3	6.4	80.8	5.1				
20.0	74.0	7.8	76.5	6.1	79.0	4.8				
22.0	72.1	7.2	74.6	5.6	77.1	4.6	80.2	3.7		
24.0	70.2	6.8	72.7	5.5	75.2	4.4	78.2	3.6	79.9	3.0
26.0	68.2	6.4	70.8	5.1	73.3	4.3	76.2	3.5	77.7	3.0
28.0	66.2	6.0	68.8	4.9	71.3	4.2	74.2	3.4	75.3	3.0
30.0	64.2	5.7	66.8	4.8	69.4	4.1	72.2	3.4	72.9	3.0
32.0	62.1	5.4	64.7	4.5	67.3	4.0	70.0	3.3	70.5	3.0
34.0	59.7	4.3	62.6	4.4	65.2	3.9	67.9	3.3	67.9	3.0
36.0	57.2	3.2	60.3	4.0	63.0	3.8	65.7	3.3		
38.0			57.6	2.9	60.6	3.5	63.3	3.2		
40.0					57.8	2.5	60.8	3.1		
42.0							57.5	2.0		
θ (°)	56 ~ 83		57 ~ 83		57 ~ 83		56 ~ 83		67 ~ 83	
F	9.4t 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 + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.0	5.6								
18.0	78.5	5.3								
20.0	76.9	4.9	80.2	4.0						
22.0	75.3	4.6	78.5	3.5						
24.0	73.7	4.3	77.0	3.3	80.0	2.7				
26.0	72.1	4.0	75.3	3.1	78.4	2.6				
28.0	70.5	3.8	73.7	3.0	76.8	2.5	80.3	1.9		
30.0	68.8	3.6	72.1	2.9	75.1	2.4	78.6	1.9		
32.0	67.1	3.3	70.4	2.7	73.5	2.3	76.8	1.8	79.6	1.4
34.0	65.4	3.2	68.7	2.6	71.7	2.2	75.1	1.8	77.5	1.4
36.0	63.6	3.0	66.9	2.5	70.0	2.1	73.2	1.8	75.3	1.4
38.0	61.8	2.9	65.1	2.4	68.2	2.1	71.3	1.7	73.1	1.4
40.0	59.9	2.8	63.2	2.3	66.3	2.0	69.4	1.7	70.8	1.4
42.0			61.3	2.2	64.5	2.0	67.5	1.7		
44.0					62.6	2.0	65.4	1.7		
46.0							63.2	1.6		
48.0							61.0	1.6		
θ (°)	59 ~ 83		60 ~ 83		62 ~ 83		60 ~ 83		70 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FD 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
11.0	80.7	17.6								
12.0	79.8	17.0	81.4	12.8						
14.0	78.0	15.8	79.5	12.0	80.8	9.7				
16.0	76.1	14.8	77.7	11.5	79.0	9.4	80.7	7.5		
18.0	74.1	13.8	75.7	10.8	77.1	9.0	78.7	7.1	80.2	6.3
20.0	72.1	12.4	73.8	10.2	75.1	8.6	76.6	6.7	78.0	6.0
22.0	69.9	11.0	71.8	9.6	73.1	8.3	74.6	6.3	75.8	5.7
24.0	67.8	9.8	69.7	8.9	71.1	7.9	72.5	6.2	73.7	5.7
26.0	65.4	7.8	67.5	8.3	68.9	7.5	70.4	6.1	71.5	5.7
28.0	62.9	6.0	65.1	6.6	66.7	7.1	68.2	5.9	69.2	5.7
30.0	60.4	4.4	62.5	5.1	64.1	5.5	65.9	5.8		
32.0			59.8	3.6	61.4	4.1	63.2	4.6		
θ (°)	60 ~ 83		59 ~ 83		60 ~ 83		62 ~ 83		67 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	78.9	8.5								
18.0	77.3	8.5	79.9	7.1						
20.0	75.7	8.0	78.2	6.3	80.5	5.1				
22.0	74.0	7.5	76.5	5.8	78.9	4.8				
24.0	72.3	7.0	74.8	5.5	77.2	4.6	79.9	3.7		
26.0	70.5	6.6	73.1	5.3	75.5	4.4	78.2	3.6		
28.0	68.8	6.3	71.4	5.1	73.8	4.3	76.4	3.5	78.0	3.0
30.0	67.0	6.0	69.6	4.9	72.1	4.2	74.6	3.4	76.1	3.0
32.0	65.0	5.3	67.8	4.7	70.3	4.1	72.8	3.3	74.0	2.9
34.0	62.8	4.1	65.9	4.5	68.5	4.0	70.9	3.2	71.9	2.9
36.0	60.5	3.0	63.8	3.8	66.6	3.9	69.0	3.2	69.7	2.9
38.0					64.4	3.4	67.0	3.1		
40.0							65.0	3.1		
θ (°)	60 ~ 83		62 ~ 83		63 ~ 83		63 ~ 83		68 ~ 83	
F	9.4t 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 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.7	5.3								
18.0	79.4	5.3								
20.0	78.0	5.0	81.2	4.6						
22.0	76.5	4.7	79.6	3.8						
24.0	75.1	4.4	78.2	3.5	81.1	2.9				
26.0	73.6	4.1	76.6	3.2	79.5	2.5				
28.0	72.1	3.9	75.1	3.0	78.1	2.4				
30.0	70.6	3.7	73.6	2.8	76.6	2.3	79.6	1.8		
32.0	69.0	3.5	72.1	2.7	75.1	2.3	78.0	1.8		
34.0	67.4	3.3	70.5	2.6	73.6	2.2	76.4	1.7	79.6	1.4
36.0	65.8	3.1	69.0	2.5	72.0	2.1	74.8	1.7	77.7	1.3
38.0	64.2	3.0	67.4	2.5	70.4	2.1	73.1	1.7	75.9	1.3
40.0			65.7	2.4	68.8	2.0	71.4	1.7	74.0	1.3
42.0					67.1	2.0	69.6	1.6	72.1	1.3
44.0					65.4	1.9	67.8	1.6		
46.0							66.0	1.6		
θ (°)	63 ~ 83		65 ~ 83		64 ~ 83		65 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FD 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
14.0	79.4	13.2	81.1	12.6						
16.0	77.8	13.2	79.4	11.7	80.6	9.6				
18.0	76.1	13.2	77.6	10.7	78.8	8.8	80.4	7.1		
20.0	74.2	12.0	75.7	9.5	77.0	8.0	78.6	6.5	79.5	5.6
22.0	72.3	10.7	73.9	8.9	75.1	7.5	76.7	6.2	77.6	5.5
24.0	70.3	9.4	72.1	8.3	73.3	7.0	74.9	6.0	75.7	5.5
26.0	68.2	7.7	70.2	7.9	71.5	6.9	73.1	5.9	73.8	5.4
28.0	65.9	6.0	68.0	6.6	69.6	6.7	71.2	5.8	71.8	5.3
30.0	63.6	4.4	65.7	5.0	67.3	5.5	69.3	5.7	69.8	5.3
32.0							66.9	4.6		
θ (°)	63 ~ 83		64 ~ 83		66 ~ 83		65 ~ 83		68 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	79.7	8.0								
18.0	78.3	8.0	81.4	7.1						
20.0	76.8	8.0	80.0	6.8						
22.0	75.4	8.0	78.5	6.5	80.2	5.2				
24.0	73.9	7.9	77.0	6.2	78.7	5.0	81.5	4.0		
26.0	72.3	7.4	75.5	5.9	77.2	4.8	79.9	3.9		
28.0	70.7	7.0	74.0	5.6	75.6	4.5	78.4	3.8	80.2	3.2
30.0	69.0	6.4	72.3	5.1	74.0	4.2	76.7	3.5	78.4	3.0
32.0	67.0	5.1	70.6	4.7	72.3	4.0	75.0	3.3	76.7	2.9
34.0	64.9	3.9	68.9	4.4	70.6	3.8	73.4	3.2	74.8	2.8
36.0			67.0	3.7	68.9	3.6	71.6	3.0	73.0	2.7
38.0							69.9	2.9		
θ (°)	64 ~ 83		65 ~ 83		67 ~ 83		68 ~ 83		71 ~ 83	
F	9.4t 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 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
18.0	79.7	5.0								
20.0	78.5	5.0								
22.0	77.2	5.0	81.0	4.7						
24.0	75.9	5.0	79.6	4.4						
26.0	74.6	5.0	78.3	4.1	80.8	3.4				
28.0	73.2	4.7	76.9	3.8	79.4	3.0				
30.0	71.8	4.5	75.5	3.6	78.0	2.9				
32.0	70.4	4.3	74.1	3.4	76.7	2.8	80.0	2.1		
34.0	68.9	4.0	72.7	3.2	75.2	2.6	78.5	2.0		
36.0	67.4	3.8	71.3	3.0	73.8	2.5	77.2	2.0	79.6	1.6
38.0			69.8	2.8	72.3	2.4	75.7	1.9	77.9	1.5
40.0			68.2	2.6	70.9	2.3	74.1	1.8	76.3	1.5
42.0					69.3	2.2	72.6	1.7	74.6	1.5
44.0							71.0	1.6	72.8	1.4
θ (°)	66 ~ 83		67 ~ 83		68 ~ 83		70 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FE 31.8m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
7.0	81.0	18.6								
8.0	79.7	18.6								
9.0	78.4	18.6	80.8	13.9						
10.0	77.1	17.6	79.5	13.4	81.5	10.8				
11.0	75.8	16.8	78.2	12.9	80.1	10.5				
12.0	74.5	16.0	76.8	12.4	78.8	10.2	81.3	8.2		
14.0	71.8	14.7	74.1	11.6	76.1	9.7	78.4	7.9	80.6	6.7
16.0	69.0	13.6	71.4	10.9	73.3	9.2	75.6	7.7	77.5	6.6
18.0	66.1	12.6	68.6	10.3	70.4	8.8	72.6	7.4	74.4	6.6
20.0	63.2	11.8	65.7	9.8	67.5	8.5	69.6	7.3	71.1	6.6
22.0	60.2	11.0	62.6	9.3	64.5	8.2	66.5	7.1	67.7	6.6
24.0	56.9	8.6	59.5	8.9	61.3	7.9	63.2	7.0		
26.0	53.4	6.4	56.1	7.1	58.0	7.7	59.8	7.0		
28.0	49.8	4.6	52.3	5.2	54.2	5.7	55.9	6.1		
30.0	46.0	3.1	48.4	3.6	50.1	4.0	51.6	4.3		
32.0	41.9	1.8	44.2	2.2	45.8	2.5				
θ (°)	41 ~ 83		44 ~ 83		45 ~ 83		51 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
10.0	80.5	9.3								
11.0	79.5	9.3								
12.0	78.4	9.3								
14.0	76.3	8.9	79.5	7.2						
16.0	74.1	8.5	77.3	6.6	80.3	5.4				
18.0	71.8	7.8	75.0	6.2	78.0	5.0				
20.0	69.5	7.2	72.7	5.7	75.6	4.8	79.2	3.8		
22.0	67.1	6.7	70.3	5.5	73.3	4.6	76.7	3.8	80.2	3.1
24.0	64.7	6.2	67.9	5.2	70.8	4.4	74.1	3.6	77.4	3.1
26.0	62.2	5.8	65.4	4.9	68.3	4.2	71.5	3.5	74.5	3.0
28.0	59.6	5.4	62.8	4.6	65.7	4.0	68.7	3.3	71.4	3.0
30.0	56.9	5.1	60.1	4.4	63.0	3.9	65.9	3.3	68.2	3.0
32.0	54.1	4.6	57.4	4.2	60.2	3.8	62.9	3.3		
34.0	51.0	3.4	54.5	4.0	57.2	3.6	59.8	3.2		
36.0	47.6	2.3	51.1	3.0	54.1	3.5	56.4	3.2		
38.0			47.5	1.9	50.4	2.4	52.7	2.9		
θ (°)	47 ~ 83		47 ~ 83		50 ~ 83		51 ~ 83		67 ~ 83	
F	9.4t 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 FE 31.8m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	80.8	5.6								
14.0	79.0	5.6								
16.0	77.2	5.6								
18.0	75.3	5.1	79.4	3.9						
20.0	73.3	4.7	77.5	3.6	81.4	2.9				
22.0	71.4	4.4	75.6	3.5	79.5	2.8				
24.0	69.4	4.0	73.6	3.2	77.5	2.6				
26.0	67.3	3.7	71.6	3.0	75.4	2.4	79.5	2.0		
28.0	65.2	3.5	69.6	2.8	73.5	2.4	77.4	2.0		
30.0	63.1	3.2	67.5	2.6	71.4	2.3	75.2	2.0	79.5	1.5
32.0	60.9	3.0	65.4	2.6	69.2	2.2	72.8	1.9	76.9	1.5
34.0	58.7	2.9	63.2	2.5	67.1	2.2	70.5	1.9	74.2	1.5
36.0	56.4	2.8	60.9	2.4	64.8	2.1	68.0	1.9	71.3	1.4
38.0	53.9	2.6	58.5	2.4	62.5	2.1	65.5	1.9		
40.0	51.4	2.4	56.1	2.4	60.1	2.1	62.8	1.8		
42.0			53.5	2.3	57.5	2.1	59.9	1.8		
44.0					54.8	2.0	56.9	1.8		
θ (°)	51 ~ 83		53 ~ 83		54 ~ 83		56 ~ 83		71 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FE 40.9m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
9.0	81.3	18.6								
10.0	80.4	18.6								
11.0	79.3	17.9	81.2	13.4						
12.0	78.3	17.2	80.2	13.0						
14.0	76.2	16.0	78.1	12.3	79.4	10.0	81.5	8.0		
16.0	74.1	14.8	76.0	11.6	77.3	9.6	79.3	7.8	80.1	6.5
18.0	71.9	13.9	73.8	11.0	75.1	9.2	77.1	7.6	77.7	6.5
20.0	69.7	13.0	71.6	10.5	72.9	8.9	74.8	7.4	75.2	6.5
22.0	67.2	11.0	69.4	10.1	70.6	8.6	72.5	7.3	72.7	6.5
24.0	64.6	8.4	67.0	9.3	68.3	8.4	70.2	7.2	70.0	6.5
26.0	61.9	6.3	64.3	7.1	65.9	7.8	67.8	7.1	67.3	6.5
28.0	59.1	4.5	61.4	5.2	63.0	5.8	65.1	6.4		
30.0			58.5	3.6	60.0	4.1	62.0	4.6		
32.0							58.7	3.1		
34.0							55.3	1.7		
θ (°)	59 ~ 83		58 ~ 83		59 ~ 83		55 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	81.0	9.3								
14.0	79.3	9.3								
16.0	77.6	8.9	80.1	7.0						
18.0	75.8	8.4	78.3	6.4	80.8	5.1				
20.0	74.0	7.8	76.5	6.1	79.0	4.8				
22.0	72.1	7.2	74.6	5.6	77.1	4.6	80.2	3.7		
24.0	70.2	6.8	72.7	5.5	75.2	4.4	78.2	3.6	79.9	3.0
26.0	68.2	6.4	70.8	5.1	73.3	4.3	76.2	3.5	77.7	3.0
28.0	66.2	6.0	68.8	4.9	71.3	4.2	74.2	3.4	75.3	3.0
30.0	64.2	5.5	66.8	4.8	69.4	4.1	72.2	3.4	72.9	3.0
32.0	61.8	4.2	64.7	4.5	67.3	4.0	70.0	3.3	70.5	3.0
34.0	59.3	3.0	62.4	3.8	65.2	3.9	67.9	3.3	67.9	3.0
36.0			59.8	2.7	62.8	3.4	65.7	3.3		
38.0							63.2	3.0		
θ (°)	59 ~ 83		59 ~ 83		61 ~ 83		62 ~ 83		67 ~ 83	
F	9.4t 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 FE 40.9m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.0	5.6								
18.0	78.5	5.3								
20.0	76.9	4.9	80.2	4.0						
22.0	75.3	4.6	78.5	3.5						
24.0	73.7	4.3	77.0	3.3	80.0	2.7				
26.0	72.1	4.0	75.3	3.1	78.4	2.6				
28.0	70.5	3.8	73.7	3.0	76.8	2.5	80.3	1.9		
30.0	68.8	3.6	72.1	2.9	75.1	2.4	78.6	1.9		
32.0	67.1	3.3	70.4	2.7	73.5	2.3	76.8	1.8	79.6	1.4
34.0	65.4	3.2	68.7	2.6	71.7	2.2	75.1	1.8	77.5	1.4
36.0	63.6	3.0	66.9	2.5	70.0	2.1	73.2	1.8	75.3	1.4
38.0			65.1	2.4	68.2	2.1	71.3	1.7	73.1	1.4
40.0			63.2	2.3	66.3	2.0	69.4	1.7	70.8	1.4
42.0					64.5	2.0	67.5	1.7		
44.0							65.4	1.7		
θ (°)	63 ~ 83		62 ~ 83		64 ~ 83		64 ~ 83		70 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FE 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
11.0	80.7	17.6								
12.0	79.8	17.0	81.4	12.8						
14.0	78.0	15.8	79.5	12.0	80.8	9.7				
16.0	76.1	14.8	77.7	11.5	79.0	9.4	80.7	7.5		
18.0	74.1	13.8	75.7	10.8	77.1	9.0	78.7	7.1	80.2	6.3
20.0	72.1	12.4	73.8	10.2	75.1	8.6	76.6	6.7	78.0	6.0
22.0	69.9	10.9	71.8	9.6	73.1	8.3	74.6	6.3	75.8	5.7
24.0	67.5	8.4	69.7	8.9	71.1	7.9	72.5	6.2	73.7	5.7
26.0	65.1	6.2	67.2	7.0	68.9	7.5	70.4	6.1	71.5	5.7
28.0	62.6	4.4	64.7	5.2	66.4	5.8	68.2	5.9	69.2	5.7
30.0					63.7	4.1	65.6	4.7		

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	78.9	8.5								
18.0	77.3	8.5	79.9	7.1						
20.0	75.7	8.0	78.2	6.3	80.5	5.1				
22.0	74.0	7.5	76.5	5.8	78.9	4.8				
24.0	72.3	7.0	74.8	5.5	77.2	4.6	79.9	3.7		
26.0	70.5	6.6	73.1	5.3	75.5	4.4	78.2	3.6		
28.0	68.8	6.3	71.4	5.1	73.8	4.3	76.4	3.5	78.0	3.0
30.0	66.8	5.3	69.6	4.9	72.1	4.2	74.6	3.4	76.1	3.0
32.0	64.6	4.0	67.8	4.7	70.3	4.1	72.8	3.3	74.0	2.9
34.0			65.6	3.7	68.5	4.0	70.9	3.2	71.9	2.9
36.0					66.2	3.3	69.0	3.2	69.7	2.9
θ (°)	64 ~ 83		64 ~ 83		65 ~ 83		67 ~ 83		68 ~ 83	
F	9.4t 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 FE 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.7	5.3								
18.0	79.4	5.3								
20.0	78.0	5.0	81.2	4.6						
22.0	76.5	4.7	79.6	3.8						
24.0	75.1	4.4	78.2	3.5	81.1	2.9				
26.0	73.6	4.1	76.6	3.2	79.5	2.5				
28.0	72.1	3.9	75.1	3.0	78.1	2.4				
30.0	70.6	3.7	73.6	2.8	76.6	2.3	79.6	1.8		
32.0	69.0	3.5	72.1	2.7	75.1	2.3	78.0	1.8		
34.0	67.4	3.3	70.5	2.6	73.6	2.2	76.4	1.7	79.8	1.4
36.0			69.0	2.5	72.0	2.1	74.8	1.7	78.0	1.3
38.0			67.4	2.5	70.4	2.1	73.1	1.7	76.1	1.3
40.0					68.8	2.0	71.4	1.7	74.3	1.3
42.0							69.6	1.6	72.4	1.3
θ (°)	66 ~ 83		66 ~ 83		68 ~ 83		69 ~ 83		72 ~ 83	
F	9.4t 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 FE 50.0m boom + 1.7m + Fully automatic luffing jib

[illegible]

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	79.7	8.0								
18.0	78.3	8.0	81.4	7.1						
20.0	76.8	8.0	80.0	6.8						
22.0	75.4	8.0	78.5	6.5	80.2	5.2				
24.0	73.9	7.9	77.0	6.2	78.7	5.0	81.5	4.0		
26.0	72.3	7.4	75.5	5.9	77.2	4.8	79.9	3.9		
28.0	70.7	6.8	74.0	5.6	75.6	4.5	78.4	3.8	80.2	3.2
30.0	68.6	5.2	72.3	5.1	74.0	4.2	76.7	3.5	78.4	3.0
32.0			70.6	4.7	72.3	4.0	75.0	3.3	76.7	2.9
34.0					70.6	3.8	73.4	3.2	74.8	2.8
36.0							71.6	3.0	73.0	2.7
θ (°)	67 ~ 83		69 ~ 83		69 ~ 83		70 ~ 83		71 ~ 83	
F	9.4t 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 FE 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
18.0	79.9	5.0								
20.0	78.7	5.0								
22.0	77.4	5.0	81.2	4.7						
24.0	76.1	5.0	79.8	4.4						
26.0	74.8	5.0	78.5	4.1	81.0	3.4				
28.0	73.4	4.7	77.1	3.8	79.6	3.0				
30.0	72.0	4.5	75.8	3.6	78.2	2.9				
32.0	70.6	4.3	74.4	3.4	76.9	2.8	80.2	2.1		
34.0			72.9	3.2	75.4	2.6	78.7	2.0		
36.0			71.5	3.0	74.0	2.5	77.4	2.0	79.8	1.6
38.0					72.6	2.4	75.9	1.9	78.1	1.5
40.0							74.4	1.8	76.5	1.5
42.0									74.9	1.5
44.0									73.1	1.4
θ (°)	69 ~ 83		70 ~ 83		71 ~ 83		73 ~ 83		72 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FF 31.8m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
7.0	81.0	18.6								
8.0	79.7	18.6								
9.0	78.4	18.6	80.8	13.9						
10.0	77.1	17.6	79.5	13.4	81.5	10.8				
11.0	75.8	16.8	78.2	12.9	80.1	10.5				
12.0	74.5	16.0	76.8	12.4	78.8	10.2	81.3	8.2		
14.0	71.8	14.7	74.1	11.6	76.1	9.7	78.4	7.9	80.6	6.7
16.0	68.9	12.5	71.4	10.9	73.3	9.2	75.6	7.7	77.5	6.6
18.0	65.9	8.8	68.5	9.9	70.4	8.8	72.6	7.4	74.4	6.6
20.0	62.8	6.1	65.3	7.0	67.4	7.8	69.6	7.3	71.1	6.6
22.0			62.1	4.7	64.1	5.4	66.3	6.2	67.7	6.6
24.0							62.7	4.1		
θ (°)	62 ~ 83		62 ~ 83		63 ~ 83		62 ~ 83		66 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
10.0	80.5	9.3								
11.0	79.5	9.3								
12.0	78.4	9.3								
14.0	76.3	8.9	79.5	7.2						
16.0	74.1	8.5	77.3	6.6	80.3	5.4				
18.0	71.8	7.8	75.0	6.2	78.0	5.0				
20.0	69.5	7.2	72.7	5.7	75.6	4.8	79.2	3.8		
22.0	67.1	6.6	70.3	5.5	73.3	4.6	76.7	3.8	80.2	3.1
24.0	64.4	4.8	67.9	5.2	70.8	4.4	74.1	3.6	77.4	3.1
26.0	61.7	3.4	65.3	4.4	68.3	4.2	71.5	3.5	74.5	3.0
28.0					65.7	3.9	68.7	3.3	71.4	3.0
30.0							65.9	3.3	68.2	3.0
θ (°)	61 ~ 83		65 ~ 83		65 ~ 83		65 ~ 83		67 ~ 83	
F	9.4t 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 FF 31.8m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	80.8	5.6								
14.0	79.0	5.6								
16.0	77.2	5.6								
18.0	75.3	5.1	79.4	3.9						
20.0	73.3	4.7	77.5	3.6	81.4	2.9				
22.0	71.4	4.4	75.6	3.5	79.5	2.8				
24.0	69.4	4.0	73.6	3.2	77.5	2.6				
26.0	67.3	3.7	71.6	3.0	75.4	2.4	79.5	2.0		
28.0	65.2	3.5	69.6	2.8	73.5	2.4	77.4	2.0		
30.0			67.5	2.6	71.4	2.3	75.2	2.0	79.5	1.5
32.0					69.2	2.2	72.8	1.9	76.9	1.5
34.0					67.1	2.2	70.5	1.9	74.2	1.5
36.0							68.0	1.9	71.3	1.4
θ (°)	65 ~ 83		67 ~ 83		66 ~ 83		67 ~ 83		71 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FF 40.9m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
9.0	81.3	18.6								
10.0	80.4	18.6								
11.0	79.3	17.9	81.2	13.4						
12.0	78.3	17.2	80.2	13.0						
14.0	76.2	16.0	78.1	12.3	79.4	10.0	81.5	8.0		
16.0	73.8	12.4	76.0	11.6	77.3	9.6	79.3	7.8	80.4	6.5
18.0	71.3	8.7	73.7	9.9	75.1	9.2	77.1	7.6	78.0	6.5
20.0			71.0	6.9	72.7	7.8	74.8	7.4	75.5	6.5
22.0							72.3	6.3	73.0	6.5
24.0									70.1	4.8
26.0									67.0	2.9
θ (°)	71 ~ 83		70 ~ 83		72 ~ 83		71 ~ 83		67 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D B (m)	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
12.0	81.0	9.3								
14.0	79.3	9.3								
16.0	77.6	8.9	80.1	7.0						
18.0	75.8	8.4	78.3	6.4	80.8	5.1				
20.0	74.0	7.8	76.5	6.1	79.0	4.8				
22.0	71.9	6.3	74.6	5.6	77.1	4.6	80.2	3.7		
24.0			72.7	5.5	75.2	4.4	78.2	3.6	80.2	3.0
26.0					73.3	4.3	76.2	3.5	78.0	3.0
28.0							74.2	3.4	75.7	3.0
30.0									73.4	3.0
32.0									70.9	2.9
34.0									67.8	1.7

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 FF 40.9m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.0	5.6								
18.0	78.5	5.3								
20.0	76.9	4.9	80.2	4.0						
22.0	75.3	4.6	78.5	3.5						
24.0	73.7	4.3	77.0	3.3	80.0	2.7				
26.0			75.3	3.1	78.4	2.6				
28.0			73.7	3.0	76.8	2.5	80.3	1.9		
30.0					75.1	2.4	78.6	1.9		
32.0							76.8	1.8	79.6	1.4
34.0							75.1	1.8	77.5	1.4
36.0									75.3	1.4
38.0									73.1	1.4
40.0									70.8	1.4
θ (°)	73 ~ 83		73 ~ 83		74 ~ 83		74 ~ 83		70 ~ 83	
F	9.4t 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 FF 45.4m boom + 1.7m + Fully automatic luffing jib

[illegible]

C D	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	78.9	8.5								
18.0	77.3	8.5	79.9	7.1						
20.0	75.7	8.0	78.2	6.3	80.5	5.1				
22.0			76.5	5.8	78.9	4.8				
24.0					77.2	4.6	79.9	3.7		
26.0							78.2	3.6		
28.0							76.4	3.5	78.0	3.0
30.0									76.1	3.0
32.0									74.0	2.9
34.0									71.2	1.8
θ (°)	74 ~ 83		75 ~ 83		76 ~ 83		75 ~ 83		71 ~ 83	
F	9.4t hook (430kg)									
H	1part-line									

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Performance FF 45.4m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D B (m)	1.7m + 25.7m									
	5 °		15 °		25 °		40 °		60 °	
	E	M	E	M	E	M	E	M	E	M
16.0	80.7	5.3								
18.0	79.4	5.3								
20.0	78.0	5.0	81.2	4.6						
22.0	76.5	4.7	79.6	3.8						
24.0	75.1	4.4	78.2	3.5	81.1	2.9				
26.0			76.6	3.2	79.5	2.5				
28.0					78.1	2.4				
30.0							79.6	1.8		
32.0							78.0	1.8		
34.0									79.8	1.4
36.0									78.0	1.3
38.0									76.1	1.3
40.0									74.3	1.3
θ (°)	74 ~ 83		76 ~ 83		77 ~ 83		77 ~ 83		74 ~ 83	
F	9.4t 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



AR-1600M-1 / FLJ -02

Performance FF 50.0m boom + 1.7m + Fully automatic luffing jib

Unit:ton

C D	1.7m + 10.2m									
	5 °		15 °		25 °		40 °		60 °	
B (m)	E	M	E	M	E	M	E	M	E	M
14.0	79.4	13.2	81.1	12.6						
16.0	77.5	12.2	79.4	11.7	80.6	9.6				
18.0			77.4	9.7	78.8	8.8	80.4	7.1		
20.0							78.6	6.5	79.5	5.6
22.0									77.6	5.5
24.0									75.5	4.9
26.0									72.9	3.1
28.0									70.2	1.6
θ (°)	76 ~ 83		76 ~ 83		77 ~ 83		77 ~ 83		70 ~ 83	
F	25t hook (730kg)									
H	2part-line									

Unit:ton

C D	1.7m + 17.9m									
	5 °		15 °		25 °		40 °		60 °	
B (m)	E	M	E	M	E	M	E	M	E	M
16.0	79.9	8.0								
18.0	78.5	8.0	81.4	7.1						
20.0	77.2	8.0	80.0	6.8						
22.0			78.5	6.5	80.2	5.2				
24.0					78.7	5.0	81.5	4.0		
26.0							79.9	3.9		
28.0									80.2	3.2
30.0									78.4	3.0
32.0									76.7	2.9
34.0									74.1	1.8
θ (°)	76 ~ 83		77 ~ 83		77 ~ 83		78 ~ 83		73 ~ 83	
F	9.4t hook (430kg)									
H	1part-line									

Unit:ton

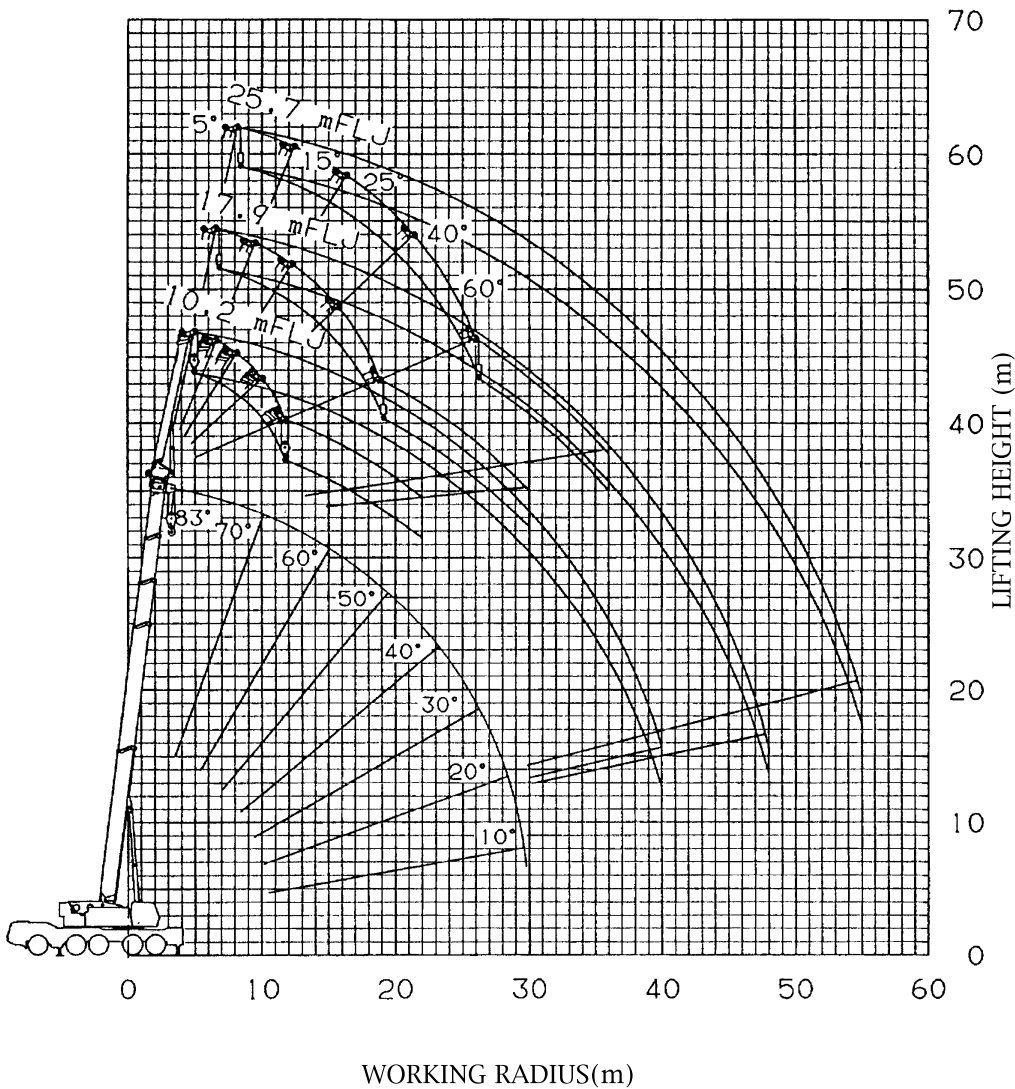
C D	1.7m + 25.7m					
	5 °		15 °		25 °	
B (m)	E	M	E	M	E	M
18.0	80.4	5.0				
20.0	79.2	5.0				
22.0	77.9	5.0	81.2	4.7		
24.0			79.8	4.4		
26.0					81.0	3.4
28.0					79.6	3.0
θ (°)	77 ~ 83		78 ~ 83		78 ~ 83	
F	9.4t hook (430kg)					
H	1part-line					

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 + 1.7m + Fully automatic luffing jib



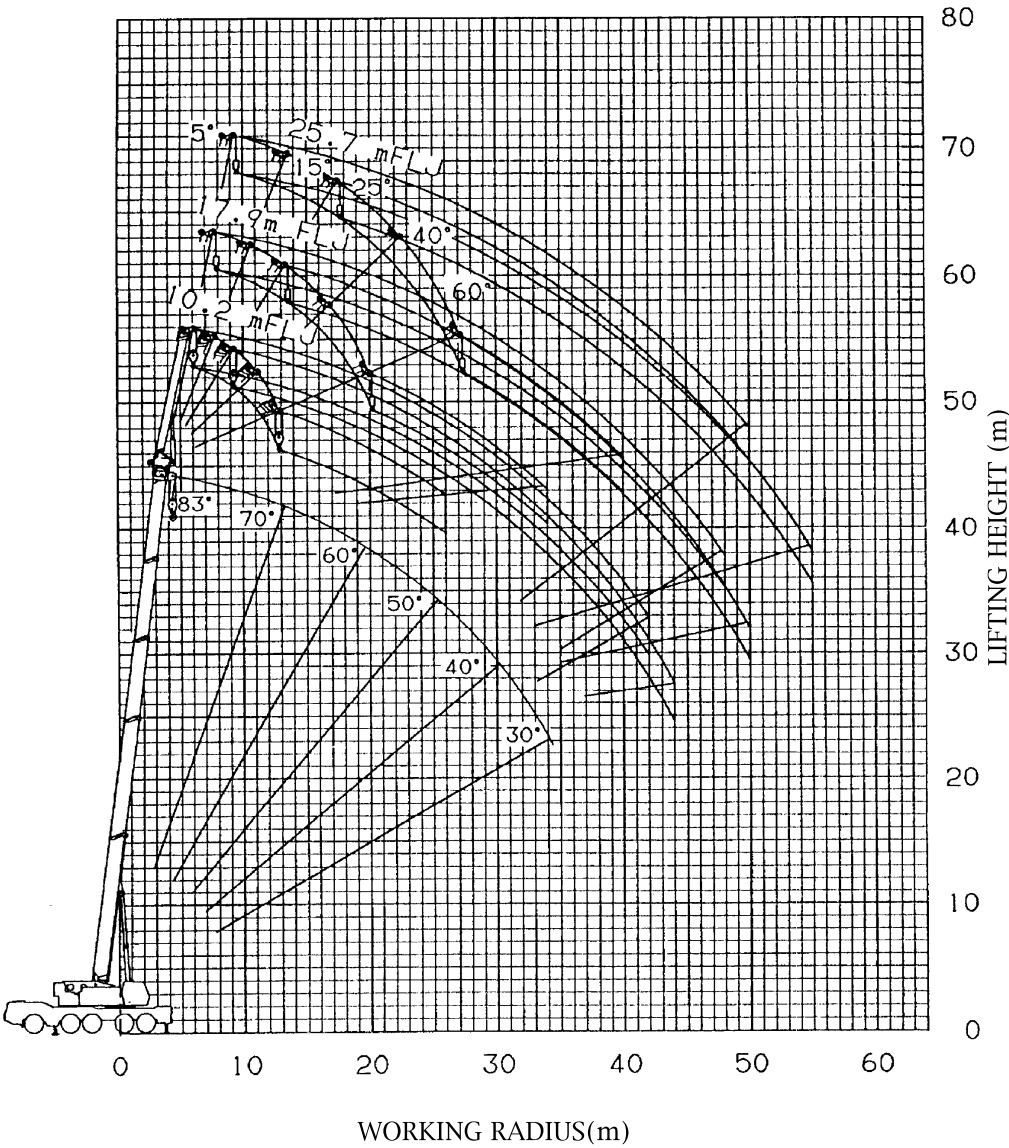
NOTES:

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



AR-1600M-1 / FLJ -02

40.9m boom + 1.7m + Fully automatic luffing jib

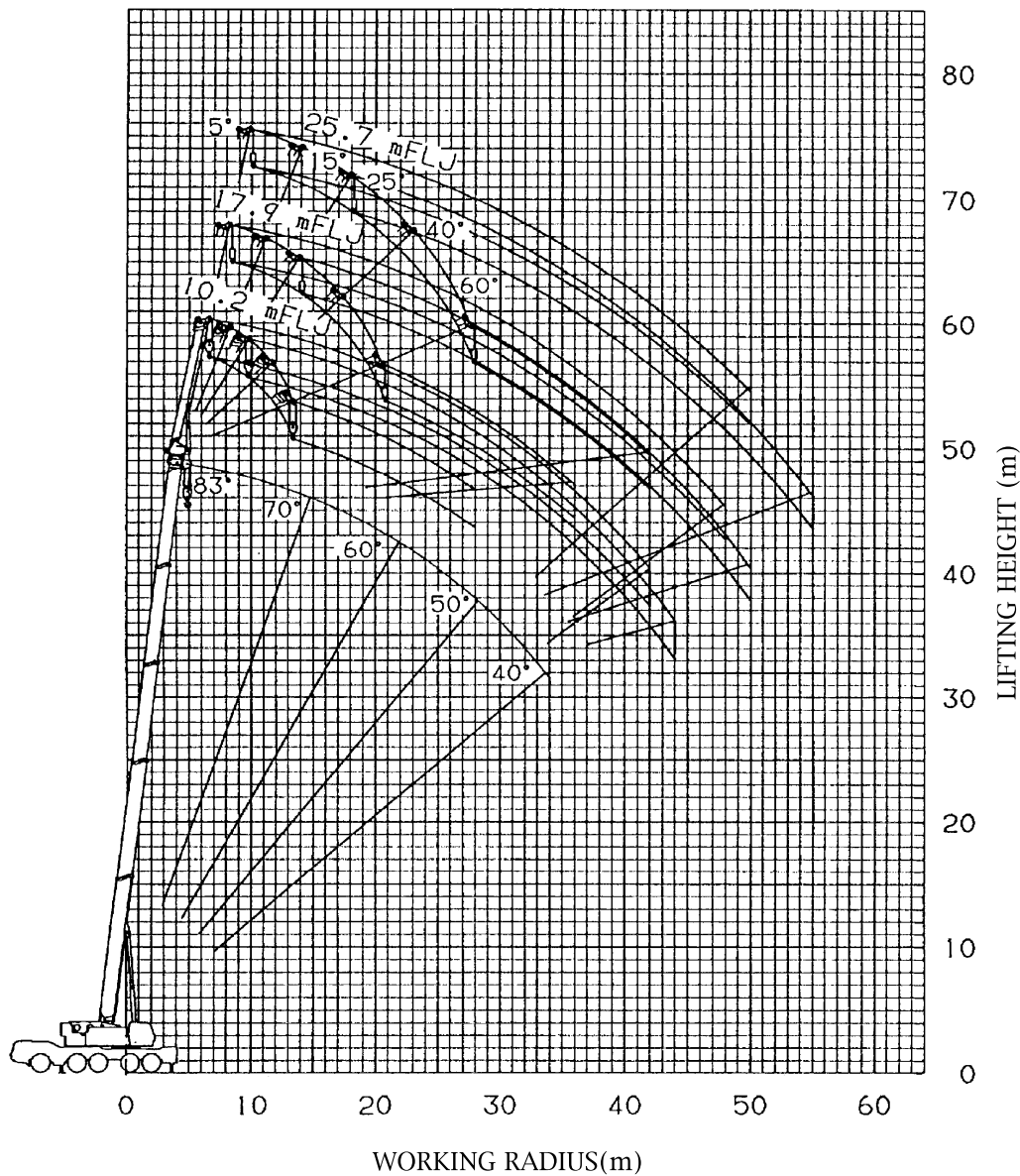


NOTES:

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



45.4m boom + 1.7m + Fully automatic luffing jib

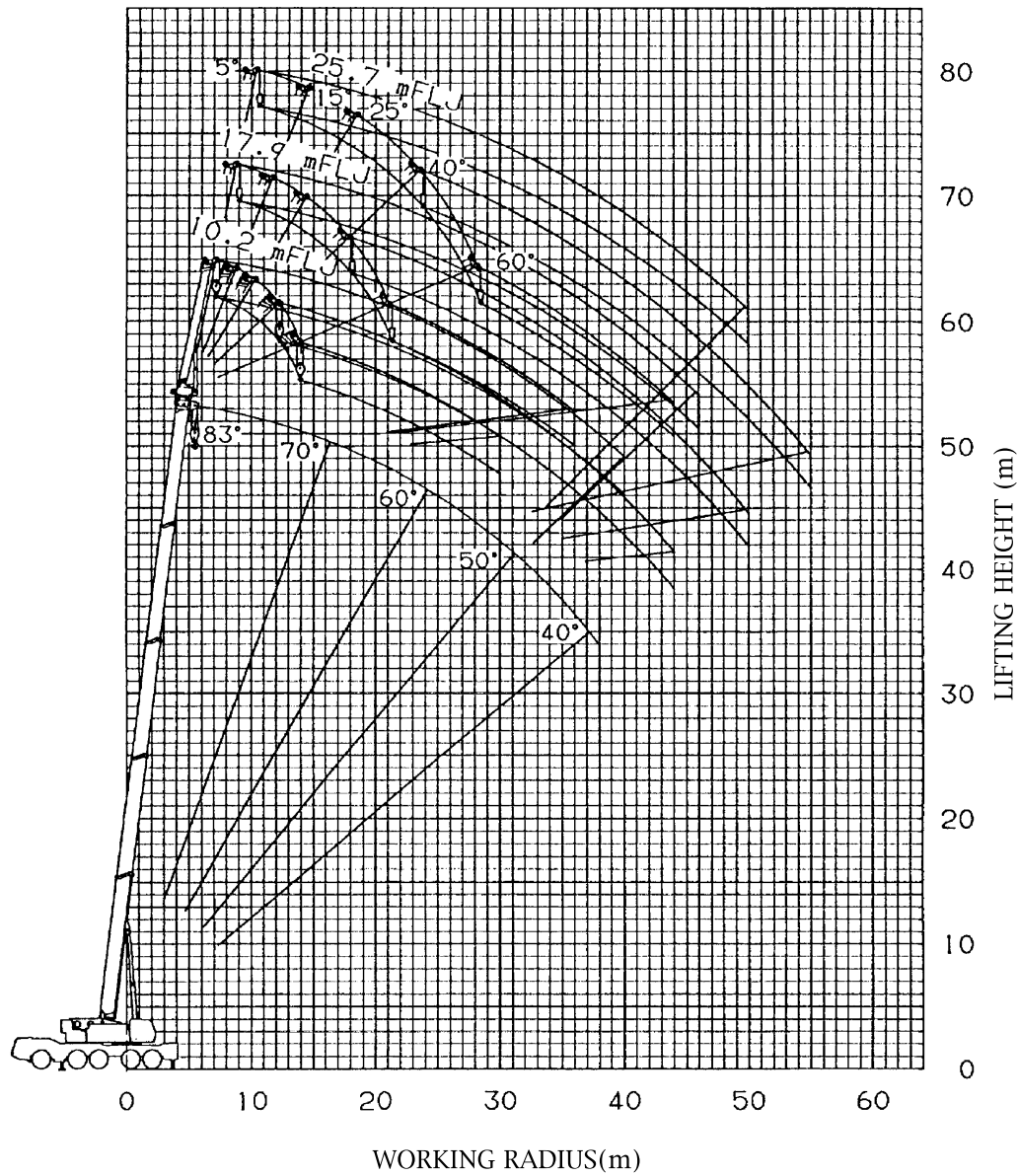


NOTES:
The deflection of the boom and jib are not incorporated in the figure above.
The above figure is for Performance FA.



AR-1600M-1 / FLJ -02

50.0m boom + 1.7m + Fully automatic luffing jib



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



ALL TERRAIN CRANE

AR

AR-1600M

(Luffing Jib)

JAPANESE SPECIFICATIONS

These specifications are for the optional luffing jib for the AR-1600M type crane.
Refer to these specifications along with specification control no. AR-1600M-1/MB.

Control No. AR-1600M-1/LJ-02



AR-1600M-1 / LJ -02

AR-1600M

CRANE SPECIFICATIONS

CRANE CAPACITY

11m	Jib	75,000kg	at 7.0m	(8part-line)
20m	Jib	47,000kg	at 10.0m	(6part-line)
29m	Jib	27,000kg	at 14.0m	(4part-line)
37m	Jib	8,500kg	at 40.0m	(1part-line)
45m	Jib	5,800kg	at 24.0m	(1part-line)

JIB

Lattice type

JIB LENGTH

1.8m (fixing part) + 11.0m, 20.0m, 29.0m 37.0m, 45,0m

MAX.LIFTING HEIGHT

95.0m

MAX.WORKING RADIUS

70.0m



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 (110t hook: 2,100kg, 65t hook: 940kg, 25t hook: 730kg, 9.4t 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 LS, LA to LD of the total rated load.

Counterweight Outrigger extension width	50t	44t	34t	25t	0t
8.8m	LS (LC)	LA (LD)	LC (–)	LD (–)	–
8.0m	LA (LC)	LB (LD)	LD (–)	–	–
6.8m	LC (LC)	LD (LD)	–	–	–
5.6m	–	–	–	–	–
2.7m	–	–	–	–	–

- If the rear jack is not used, the performance classification in parentheses shall apply.
- 5. The standard hook and number of part lines are shown in the total rated loads chart. The load per line should not exceed 9.4t.
- 6. The elevation wire rope is a 6-part line.
- 7. When the maximum instantaneous velocity is 10m/s or more, stop crane operation.
- 8. Mark θ in the total rated load chart shows the boom angle range (under no load).
- 9. The total rated loads shown are for the case where the 2nd boom section fixing pin is used.
Ensure that the 2nd boom section fixing pin is used with the luffing jib.



AR-1600M-1 / LJ -02

Performance LS 1.8m + 11m luffing jib

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
6.0	75.0				
7.0	75.0				
8.0	71.6	66.0			
9.0	66.3	63.0	52.6		
10.0	62.9	59.8	51.0		
11.0	57.9	56.8	49.5	41.6	
12.0	53.0	53.6	47.5	40.4	
14.0	45.9	46.2	44.6	38.1	29.0
16.0	39.1	40.3	39.7	36.3	28.2
18.0	32.2	33.0	33.7	33.7	
20.0	27.6	28.0	28.4	28.9	
22.0	24.0	24.3	24.7	25.2	
24.0	20.8	21.1	21.2		
26.0	17.8	18.0			
θ (°)	26 ~ 83	28 ~ 83	33 ~ 83	43 ~ 83	66 ~ 83
F	110t hook (2,100kg)				
H	8part-line				

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
7.0	61.0				
8.0	61.0				
9.0	61.0	61.0			
10.0	57.8	58.6			
11.0	52.6	54.0	51.2		
12.0	48.3	50.0	49.4		
14.0	41.1	42.5	43.7	40.0	31.1
16.0	35.6	36.8	37.7	38.3	30.3
18.0	30.5	31.3	32.1	33.0	29.7
20.0	26.2	27.0	27.5	28.3	
22.0	22.9	23.5	23.8	24.3	
24.0	19.5	19.9	20.2	20.7	
26.0	16.3	16.8	17.1		
28.0	14.0	14.2	14.4		
30.0	12.0	12.3			
θ (°)	26 ~ 83	28 ~ 83	32 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	7part-line				

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	38.9				
10.0	38.9				
11.0	38.9	35.0			
12.0	37.3	34.6			
14.0	33.8	32.5	29.5		
16.0	29.4	30.5	29.5	27.4	23.2
18.0	25.7	26.6	27.6	27.0	23.0
20.0	22.6	23.5	24.2	24.7	22.9
22.0	20.0	20.7	21.4	22.3	22.1
24.0	17.9	18.5	19.4	19.8	
26.0	16.0	16.5	17.1	18.0	
28.0	14.3	14.9	15.3	16.3	
30.0	12.7	13.2	13.6	14.1	
32.0	11.0	11.6	11.8		
34.0	9.6	10.0	10.1		
36.0	8.4	8.6	8.7		
38.0	7.1	7.3			
40.0	6.0				
θ (°)	19 ~ 83	23 ~ 83	31 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	5part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LS 1.8m + 20m luffing jib

Unit: ton

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	47.0				
10.0	47.0				
11.0	46.6				
12.0	45.0	40.0			
14.0	42.2	37.4			
16.0	39.0	34.2	30.0		
18.0	34.2	31.3	27.9		
20.0	30.0	29.0	26.2	21.8	
22.0	26.4	27.0	24.6	20.8	16.2
24.0	22.9	24.0	23.4	19.9	15.8
26.0	20.8	21.5	22.1	19.1	15.5
28.0	18.7	19.2	19.8	18.5	
30.0	16.6	17.1	17.6	17.8	
32.0	14.8	15.2	15.5		
34.0	13.0	13.4	13.6		
36.0	11.2				
θ (°)	18 ~ 83	25 ~ 83	25 ~ 83	47 ~ 83	62 ~ 83
F	65t hook (940kg)				
H	6part-line				

Unit: ton

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
10.0	43.0				
11.0	43.0				
12.0	43.0				
14.0	40.8	39.1			
16.0	37.7	35.9	29.7		
18.0	33.0	33.1	28.5		
20.0	28.7	29.7	27.3	22.6	
22.0	25.2	26.3	25.8	21.9	17.2
24.0	21.8	22.7	22.7	21.1	16.7
26.0	19.0	19.8	20.6	20.3	16.2
28.0	16.5	17.4	18.1	19.1	16.0
30.0	14.5	15.6	16.2	17.5	
32.0	13.0	14.0	14.0	15.2	
34.0	11.8	12.3	12.3		
36.0	10.4	10.8	11.1		
38.0	9.2	9.5			
40.0	7.9				
θ (°)	20 ~ 83	26 ~ 83	36 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	5part-line				

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	26.5				
14.0	26.5				
16.0	26.5	25.7			
18.0	25.8	25.0	23.1		
20.0	23.4	24.3	22.4		
22.0	21.1	22.1	21.8	18.6	
24.0	18.9	19.8	20.8	18.2	
26.0	16.9	17.8	18.6	17.9	15.2
28.0	15.2	16.0	16.8	17.6	15.0
30.0	13.7	14.4	15.2	16.1	14.9
32.0	12.4	13.1	13.7	14.5	14.9
34.0	11.2	11.8	12.3	13.1	
36.0	10.0	10.5	11.0	11.5	
38.0	8.8	9.3	9.7	10.1	
40.0	7.7	8.1	8.5		
42.0	6.7	7.1	7.4		
44.0	5.8	6.1	6.3		
46.0	5.0	5.3			
48.0	4.3	4.5			
θ (°)	23 ~ 83	25 ~ 83	35 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	18.0				
16.0	18.0				
18.0	18.0	18.0			
20.0	18.0	17.3	18.0		
22.0	18.0	16.6	17.2		
24.0	16.8	15.9	16.5	14.7	
26.0	15.6	15.2	15.7	14.4	12.2
28.0	14.1	14.5	15.0	14.3	12.1
30.0	12.7	13.2	13.5	14.0	12.0
32.0	11.6	11.9	12.7	12.7	11.9
34.0	10.6	10.8	11.2	11.6	11.8
36.0	9.0	9.6	10.0	10.6	
38.0	7.9	8.4	8.9	9.3	
40.0	6.9	7.3	7.6	8.1	
42.0	6.0	6.3	6.7	7.0	
44.0	5.2	5.5	5.8		
46.0	4.5	4.7	5.0		
48.0	3.8	4.0	4.2		
50.0	3.2	3.4			
θ (°)	29 ~ 83	31 ~ 83	35 ~ 83	49 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LS 1.8m + 20m luffing jib

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	14.5				
18.0	14.5	14.1			
20.0	14.5	14.1			
22.0	14.5	14.1	14.1		
24.0	14.5	13.9	13.8	13.1	
26.0	13.5	13.7	13.6	13.1	
28.0	12.2	13.0	13.4	13.1	12.0
30.0	11.2	11.8	12.3	13.1	12.0
32.0	10.2	10.8	11.2	11.9	12.0
34.0	9.3	9.8	10.2	10.8	11.3
36.0	8.5	8.9	9.3	9.8	10.2
38.0	7.6	8.1	8.5	9.0	
40.0	6.9	7.3	7.7	8.1	
42.0	6.2	6.6	6.9	7.4	
44.0	5.5	5.9	6.1	6.6	
46.0	4.8	5.2	5.4		
48.0	4.1	4.4	4.6		
50.0	3.2	3.6	3.9		
55.0	1.6	1.8			
θ (°)	27 ~ 83	29 ~ 83	34 ~ 83	51 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0	11.0			
22.0	11.0	11.0	11.0		
24.0	11.0	11.0	11.0		
26.0	11.0	11.0	11.0	11.0	
28.0	10.4	10.4	10.5	10.5	
30.0	9.8	9.8	10.0	10.0	9.3
32.0	9.2	9.2	9.5	9.5	9.3
34.0	8.3	8.6	9.0	9.0	9.3
36.0	7.4	7.8	8.1	8.5	8.8
38.0	6.7	7.0	7.3	7.7	7.9
40.0	6.0	6.3	6.6	6.9	
42.0	5.3	5.6	5.9	6.2	
44.0	4.5	5.0	5.3	5.6	
46.0	3.9	4.3	4.6	4.9	
48.0	3.3	3.6	3.9	4.1	
50.0	2.7	3.0	3.3		
55.0		1.5	1.7		
θ (°)	39 ~ 83	37 ~ 83	38 ~ 83	49 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.1				
20.0	9.1				
22.0	9.1	9.1			
24.0	9.1	9.1	8.6		
26.0	9.1	9.1	8.6		
28.0	9.1	9.0	8.6	7.8	
30.0	8.2	8.8	8.6	7.8	6.8
32.0	7.4	8.0	8.1	7.8	6.8
34.0	6.7	7.3	7.7	7.8	6.8
36.0	5.9	6.5	7.0	7.4	6.8
38.0	5.4	5.8	6.3	7.0	6.8
40.0	4.9	5.2	5.6	6.3	6.6
42.0	4.3	4.7	5.0	5.6	
44.0	3.7	4.2	4.4	5.0	
46.0	3.2	3.6	4.0	4.3	
48.0	2.7	3.1	3.4	3.8	
50.0	2.2	2.6	2.8	3.3	
55.0		1.5	1.6		
θ (°)	44 ~ 83	42 ~ 83	44 ~ 83	48 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LS 1.8m + 29m luffing jib

Unit: ton

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	27.0				
14.0	27.0				
16.0	25.9	23.0			
18.0	25.2	23.0			
20.0	23.9	22.2			
22.0	22.7	21.3	19.5		
24.0	21.8	20.4	18.5		
26.0	20.8	19.2	17.5	14.0	
28.0	19.2	18.2	16.5	14.0	
30.0	17.1	17.0	16.0	13.3	10.7
32.0	15.4	16.0	15.0	12.8	10.3
34.0	13.8	14.1	14.5	12.3	10.1
36.0	12.6	13.1	13.6	11.9	
38.0	11.4	11.8	12.4	11.7	
40.0	10.3	10.7	11.5		
42.0	9.5	9.8	10.1		
44.0	8.7	8.8			
θ (°)	23 ~ 83	27 ~ 83	33 ~ 83	51 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	25.0				
16.0	25.0				
18.0	24.8	22.8			
20.0	24.0	22.0			
22.0	23.1	21.2	20.0		
24.0	22.0	20.4	19.1		
26.0	20.4	19.7	18.2		
28.0	18.0	19.1	17.4	15.0	
30.0	16.0	17.0	16.5	14.4	
32.0	14.2	15.2	15.8	13.8	10.9
34.0	12.8	13.5	14.3	13.3	10.7
36.0	11.4	12.1	12.9	12.9	10.5
38.0	10.2	10.9	11.5	12.2	
40.0	9.2	9.9	10.3	11.0	
42.0	8.2	8.8	9.3	9.8	
44.0	7.4	7.9	8.2		
46.0	6.6	6.9	7.2		
48.0	5.9	6.1			
θ (°)	24 ~ 83	28 ~ 83	32 ~ 83	48 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	16.8				
18.0	16.8				
20.0	16.8	16.8			
22.0	16.8	16.8			
24.0	16.8	16.8	16.8		
26.0	16.5	16.8	16.5		
28.0	16.0	16.5	16.0		
30.0	14.8	15.6	15.6	13.3	
32.0	13.4	14.3	15.2	13.1	
34.0	12.2	13.1	13.8	12.8	10.7
36.0	11.2	11.9	12.7	12.6	10.6
38.0	10.0	10.8	11.5	12.3	10.5
40.0	8.9	9.6	10.2	11.1	10.4
42.0	7.9	8.6	9.2	10.0	
44.0	7.0	7.6	8.1	8.8	
46.0	6.1	6.7	7.2	7.7	
48.0	5.4	5.9	6.3	6.7	
50.0	4.7	5.1	5.5		
55.0	3.2	3.5			
θ (°)	28 ~ 83	31 ~ 83	36 ~ 83	48 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0				
22.0	11.0	11.0			
24.0	11.0	11.0			
26.0	11.0	11.0	11.0		
28.0	11.0	11.0	11.0		
30.0	11.0	11.0	11.0		
32.0	10.5	10.5	10.6	11.0	
34.0	10.0	10.0	10.3	10.5	8.5
36.0	9.5	9.5	9.9	10.1	8.4
38.0	8.7	9.1	9.6	9.7	8.3
40.0	7.7	8.3	8.8	9.3	8.2
42.0	6.8	7.4	8.0	8.5	8.2
44.0	6.0	6.6	7.2	7.8	
46.0	5.3	5.8	6.3	6.9	
48.0	4.5	5.1	5.5	6.0	
50.0	3.9	4.4	4.8	5.2	
55.0	2.6	2.9	3.2		
θ (°)	36 ~ 83	39 ~ 83	42 ~ 83	46 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LS 1.8m + 29m luffing jib

Unit: ton					
40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.0				
20.0	9.0				
22.0	9.0	8.4			
24.0	9.0	8.4			
26.0	9.0	8.4	8.4		
28.0	9.0	8.4	8.4		
30.0	8.8	8.4	8.4		
32.0	8.5	8.4	8.4	7.8	
34.0	8.1	8.1	8.4	7.8	
36.0	7.8	7.9	8.1	7.8	7.0
38.0	7.5	7.7	7.9	7.8	7.0
40.0	6.9	7.3	7.7	7.8	7.0
42.0	6.3	6.7	7.2	7.5	7.0
44.0	5.8	6.1	6.7	7.2	7.0
46.0	5.3	5.6	6.3	6.7	
48.0	4.8	5.1	5.8	6.2	
50.0	4.2	4.7	5.0	5.8	
55.0	2.5	3.1	3.5	3.9	
60.0			1.5		
θ (°)	37 ~ 83	40 ~ 83	39 ~ 83	42 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton					
45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	8.0				
22.0	8.0				
24.0	8.0	8.0			
26.0	8.0	8.0			
28.0	8.0	8.0	8.0		
30.0	8.0	8.0	8.0		
32.0	8.0	8.0	8.0		
34.0	7.5	8.0	8.0	7.0	
36.0	7.1	7.4	7.5	7.0	
38.0	6.7	6.9	7.1	7.0	6.0
40.0	6.0	6.4	6.6	7.0	6.0
42.0	5.4	5.8	6.2	6.5	6.0
44.0	4.8	5.2	5.6	6.1	6.0
46.0	4.3	4.7	5.1	5.8	5.8
48.0	3.9	4.2	4.5	4.9	
50.0	3.3	3.7	4.0	4.4	
55.0	1.9	2.4	2.8	3.2	
θ (°)	46 ~ 83	49 ~ 83	51 ~ 83	54 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton					
50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.6				
22.0	6.6				
24.0	6.6				
26.0	6.6	6.4			
28.0	6.5	6.3			
30.0	6.3	6.1	6.1		
32.0	6.0	6.0	6.0		
34.0	5.8	5.9	5.9	5.4	
36.0	5.6	5.8	5.8	5.4	
38.0	5.1	5.6	5.7	5.4	4.2
40.0	4.6	5.1	5.6	5.3	4.2
42.0	4.1	4.6	5.1	5.2	4.2
44.0	3.6	4.1	4.6	5.1	4.2
46.0	3.1	3.6	4.2	4.9	4.2
48.0	2.8	3.2	3.7	4.5	4.2
50.0	2.4	2.8	3.2	4.0	
55.0	1.8	2.0	2.4	2.8	
60.0				2.0	
θ (°)	47 ~ 83	50 ~ 83	52 ~ 83	51 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LS 1.8m + 37m luffing jib

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	8.5				
20.0	8.5				
22.0	8.5				
24.0	8.5	8.5			
26.0	8.5	8.5			
28.0	8.5	8.5			
30.0	8.5	8.5	8.4		
32.0	8.5	8.5	8.2		
34.0	8.5	8.5	8.0		
36.0	8.5	8.3	7.8	7.2	
38.0	8.5	8.1	7.6	7.0	
40.0	8.5	8.0	7.4	6.8	
42.0	8.2	7.8	7.2	6.7	5.9
44.0	7.8	7.6	7.0	6.5	5.8
46.0	7.4	7.5	6.9	6.3	5.6
48.0	6.6	7.3	6.8	6.2	5.5
50.0	6.1	6.6	6.6	6.1	
55.0	4.6	5.1	5.5	5.8	
60.0	3.3	3.7	4.0		
65.0		2.1			
θ (°)	26 ~ 83	25 ~ 83	30 ~ 83	45 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	7.4				
22.0	7.4				
24.0	7.4				
26.0	7.4	7.4			
28.0	7.4	7.4			
30.0	7.4	7.4	7.4		
32.0	7.4	7.4	7.4		
34.0	7.4	7.4	7.4		
36.0	7.4	7.4	7.4		
38.0	7.4	7.4	7.4	6.7	
40.0	7.4	7.4	7.4	6.4	
42.0	7.0	7.4	7.4	6.2	5.5
44.0	6.4	6.8	7.2	6.0	5.3
46.0	5.9	6.3	6.8	5.8	5.3
48.0	5.3	5.8	6.3	5.6	5.3
50.0	4.7	5.3	5.6	5.5	5.3
55.0	3.4	3.9	4.4	4.9	
60.0	2.3	2.8	3.1		
65.0		1.6	1.8		
θ (°)	34 ~ 83	35 ~ 83	38 ~ 83	51 ~ 83	61 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.3				
22.0	6.3				
24.0	6.3				
26.0	6.3	6.3			
28.0	6.3	6.3			
30.0	6.3	6.3			
32.0	6.2	6.2	6.3		
34.0	6.1	6.1	6.3		
36.0	6.0	6.1	6.2		
38.0	5.9	6.0	6.1	6.1	
40.0	5.8	5.9	6.0	6.1	
42.0	5.7	5.8	5.9	6.0	
44.0	5.6	5.7	5.8	6.0	5.2
46.0	5.5	5.6	5.7	5.9	5.2
48.0	5.2	5.3	5.6	5.8	5.2
50.0	4.8	5.1	5.5	5.7	5.2
55.0	3.8	4.3	4.7	5.2	
60.0	2.8	3.2	3.6	4.0	
65.0			2.4		
θ (°)	40 ~ 83	43 ~ 83	44 ~ 83	48 ~ 83	64 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0	5.0			
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0	5.0		
36.0	5.0	5.0	5.0		
38.0	5.0	5.0	5.0		
40.0	5.0	5.0	5.0	5.0	
42.0	5.0	5.0	5.0	5.0	
44.0	4.9	5.0	5.0	5.0	
46.0	4.6	4.8	5.0	5.0	5.0
48.0	4.2	4.6	4.8	5.0	5.0
50.0	3.8	4.2	4.5	4.7	5.0
55.0	3.0	3.2	3.5	3.9	4.3
60.0	1.7	2.3	2.6	3.0	
65.0			1.7	2.1	
θ (°)	44 ~ 83	48 ~ 83	49 ~ 83	51 ~ 83	61 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LS 1.8m + 37m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.8				
26.0	3.8				
28.0	3.8				
30.0	3.8	3.8			
32.0	3.8	3.8			
34.0	3.8	3.8	3.8		
36.0	3.8	3.8	3.8		
38.0	3.8	3.8	3.8		
40.0	3.8	3.8	3.8		
42.0	3.8	3.8	3.8	3.8	
44.0	3.7	3.8	3.8	3.8	
46.0	3.6	3.7	3.7	3.8	3.3
48.0	3.2	3.6	3.6	3.7	3.3
50.0	2.8	3.2	3.5	3.6	3.3
55.0	2.1	2.4	2.8	3.3	3.3
60.0	1.5	1.6	2.0	2.5	
65.0				1.6	
θ (°)	48 ~ 83	51 ~ 83	54 ~ 83	55 ~ 83	64 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LS 1.8m + 45m luffing jib

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	5.8				
22.0	5.8				
24.0	5.8				
26.0	5.7				
28.0	5.6	5.2			
30.0	5.5	5.2			
32.0	5.3	5.0			
34.0	5.2	4.8	4.3		
36.0	5.0	4.6	4.2		
38.0	4.9	4.5	4.1		
40.0	4.7	4.3	3.9		
42.0	4.6	4.1	3.8	3.5	
44.0	4.4	4.0	3.7	3.3	
46.0	4.2	3.9	3.6	3.3	
48.0	4.1	3.7	3.5	3.3	3.1
50.0	4.0	3.6	3.4	3.2	3.1
55.0	3.8	3.4	3.2	3.2	3.1
60.0	3.6	3.3	3.2	3.1	
65.0	2.7	3.1	3.1		
70.0			2.1		
θ (°)	32 ~ 83	36 ~ 83	36 ~ 83	52 ~ 83	63 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0				
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0			
36.0	4.9	4.9	4.1		
38.0	4.8	4.8	4.1		
40.0	4.7	4.7	4.1		
42.0	4.6	4.6	4.1		
44.0	4.5	4.5	4.1	3.3	
46.0	4.4	4.4	4.1	3.3	
48.0	4.3	4.3	4.0	3.3	
50.0	4.2	4.2	3.9	3.2	3.0
55.0	3.9	3.8	3.4	2.9	3.0
60.0	2.8	3.3	3.0	2.7	
65.0	1.7	2.2	2.7	2.4	
θ (°)	42 ~ 83	47 ~ 83	51 ~ 83	55 ~ 83	67 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	4.2				
26.0	4.2				
28.0	4.2				
30.0	4.2	4.2			
32.0	4.2	4.2			
34.0	4.2	4.2			
36.0	4.2	4.2	4.0		
38.0	4.2	4.2	4.0		
40.0	4.2	4.2	3.9		
42.0	4.2	4.1	3.8		
44.0	4.2	4.0	3.7		
46.0	4.1	3.9	3.7	3.3	
48.0	4.0	3.8	3.6	3.2	
50.0	3.8	3.7	3.5	3.2	3.0
55.0	3.5	3.5	3.4	3.1	3.0
60.0	3.0	3.3	3.2	3.1	3.0
65.0		2.6	3.0	3.0	
70.0				2.5	
θ (°)	47 ~ 83	46 ~ 83	50 ~ 83	51 ~ 83	62 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.5				
26.0	3.5				
28.0	3.5				
30.0	3.5				
32.0	3.5	3.5			
34.0	3.5	3.5			
36.0	3.5	3.5			
38.0	3.5	3.5	3.5		
40.0	3.5	3.5	3.5		
42.0	3.5	3.5	3.5		
44.0	3.5	3.5	3.5		
46.0	3.5	3.5	3.5	3.0	
48.0	3.4	3.5	3.5	3.0	
50.0	3.2	3.5	3.4	3.0	
55.0	2.8	3.3	3.1	3.0	2.7
60.0	2.1	2.4	2.8	2.8	2.5
65.0		1.7	2.1	2.5	
70.0				1.7	
θ (°)	50 ~ 83	50 ~ 83	53 ~ 83	55 ~ 83	65 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LS 1.8m + 45m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
26.0	2.8				
28.0	2.8				
30.0	2.8				
32.0	2.8				
34.0	2.8	2.8			
36.0	2.8	2.8			
38.0	2.8	2.8			
40.0	2.8	2.8	2.8		
42.0	2.8	2.8	2.8		
44.0	2.8	2.8	2.8		
46.0	2.7	2.8	2.8		
48.0	2.6	2.8	2.8	2.8	
50.0	2.5	2.8	2.8	2.8	
55.0	2.2	2.4	2.6	2.8	2.3
60.0	1.9	2.1	2.3	2.5	2.3
65.0		1.7	1.9	2.2	2.3
70.0				1.4	
θ (°)	53 ~ 83	53 ~ 83	56 ~ 83	58 ~ 83	62 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LA 1.8m + 11m luffing jib

Unit: ton

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
6.0	75.0				
7.0	75.0				
8.0	71.6	66.0			
9.0	66.3	63.0	52.6		
10.0	62.9	59.8	51.0		
11.0	56.8	56.8	49.5	41.6	
12.0	51.6	52.7	47.5	40.4	
14.0	42.9	43.8	44.6	38.1	29.0
16.0	36.1	36.9	37.6	36.3	28.2
18.0	30.9	31.5	32.1	32.8	
20.0	26.7	27.2	27.7	28.1	
22.0	23.2	23.6	24.0	24.3	
24.0	19.7	20.1	20.3		
26.0	17.0	17.1			
θ (°)	26 ~ 83	28 ~ 83	33 ~ 83	43 ~ 83	66 ~ 83
F	110t hook (2,100kg)				
H	8part-line				

Unit: ton

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
6.0	61.0				
7.0	61.0				
8.0	61.0				
9.0	61.0	61.0			
10.0	57.8	58.6			
11.0	52.6	54.0	51.2		
12.0	48.3	50.0	49.4		
14.0	41.1	42.5	43.7	40.0	31.1
16.0	34.9	35.9	36.7	37.8	30.3
18.0	29.7	30.5	31.2	32.1	29.7
20.0	25.5	26.2	26.8	27.4	
22.0	21.7	22.3	22.9	23.5	
24.0	18.3	18.8	19.3	19.7	
26.0	15.5	15.9	16.3		
28.0	13.2	13.5	13.7		
30.0	11.3	11.5			
θ (°)	26 ~ 83	28 ~ 83	32 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	7part-line				

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	38.9				
10.0	38.9				
11.0	38.9	35.0			
12.0	37.3	34.6			
14.0	33.8	32.5	29.5		
16.0	29.4	30.5	29.5	27.4	23.2
18.0	25.7	26.6	27.6	27.0	23.0
20.0	22.6	23.5	24.2	24.7	22.9
22.0	20.0	20.7	21.4	22.3	22.1
24.0	17.9	18.5	19.4	19.8	
26.0	15.6	16.1	16.6	17.1	
28.0	13.3	13.7	14.1	14.5	
30.0	11.3	11.7	12.0	12.3	
32.0	9.7	10.0	10.2		
34.0	8.2	8.5	8.7		
36.0	7.0	7.2	7.3		
38.0	5.9	6.0			
40.0	4.9				
θ (°)	19 ~ 83	24 ~ 83	31 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	5part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LA 1.8m + 20m luffing jib

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	47.0				
10.0	47.0				
11.0	46.6				
12.0	45.0	40.0			
14.0	42.2	37.4			
16.0	38.3	34.2	30.0		
18.0	33.0	31.3	27.9		
20.0	28.7	29.0	26.2	21.8	
22.0	25.3	26.1	24.6	20.8	16.2
24.0	22.2	23.1	23.4	19.9	15.8
26.0	19.3	20.1	20.8	19.1	15.5
28.0	16.9	17.5	18.1	18.5	
30.0	14.9	15.4	15.9	16.4	
32.0	13.2	13.6	13.9		
34.0	11.6	11.9	12.1		
36.0	10.3				
θ (°)	18 ~ 83	25 ~ 83	25 ~ 83	47 ~ 83	62 ~ 83
F	65t hook (940kg)				
H	6part-line				

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
10.0	43.0				
11.0	43.0				
12.0	43.0				
14.0	40.8	39.1			
16.0	37.2	35.9	29.7		
18.0	31.9	33.1	28.5		
20.0	27.6	28.8	27.3	22.6	
22.0	24.1	25.2	25.8	21.9	17.2
24.0	20.9	22.0	22.7	21.1	16.7
26.0	18.0	18.9	19.9	20.3	16.2
28.0	15.6	16.4	17.2	18.2	16.0
30.0	13.6	14.3	14.9	15.7	
32.0	11.8	12.4	13.0	13.6	
34.0	10.3	10.8	11.3		
36.0	9.0	9.4	9.7		
38.0	7.9	8.2			
40.0	6.8				
θ (°)	20 ~ 83	26 ~ 83	36 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	5part-line				

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	26.5				
14.0	26.5				
16.0	26.5	25.7			
18.0	25.8	25.0	23.1		
20.0	23.4	24.3	22.4		
22.0	21.1	22.1	21.8	18.6	
24.0	18.9	19.8	20.8	18.2	
26.0	16.9	17.8	18.6	17.9	15.2
28.0	15.1	16.0	16.8	17.6	15.0
30.0	13.1	14.0	14.8	15.8	14.9
32.0	11.4	12.2	12.9	13.7	14.2
34.0	9.9	10.6	11.2	11.9	
36.0	8.6	9.2	9.7	10.3	
38.0	7.5	8.0	8.4	8.9	
40.0	6.4	6.9	7.2		
42.0	5.5	5.9	6.2		
44.0	4.7	5.0	5.2		
46.0	4.0	4.2			
48.0	3.3	3.4			
θ (°)	23 ~ 83	25 ~ 83	35 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	4part-line				

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	18.0				
16.0	18.0				
18.0	18.0	18.0			
20.0	18.0	17.3	18.0		
22.0	18.0	16.6	17.2		
24.0	16.8	15.9	16.5	14.7	
26.0	15.6	15.2	15.7	14.4	12.2
28.0	14.1	14.5	15.0	14.3	12.1
30.0	12.7	13.2	13.5	14.0	12.0
32.0	11.4	11.9	12.7	12.7	11.9
34.0	9.9	10.7	11.2	11.6	11.8
36.0	8.6	9.3	9.8	10.5	
38.0	7.5	8.0	8.5	9.1	
40.0	6.4	6.9	7.4	7.8	
42.0	5.5	6.0	6.3	6.7	
44.0	4.7	5.1	5.4		
46.0	3.9	4.2	4.5		
48.0	3.2	3.5	3.7		
50.0	2.4	2.7			
θ (°)	29 ~ 83	31 ~ 83	35 ~ 83	49 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LA 1.8m + 20m luffing jib

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	14.5				
18.0	14.5	14.1			
20.0	14.5	14.1			
22.0	14.5	14.1	14.1		
24.0	14.5	13.9	13.8	13.1	
26.0	13.5	13.7	13.6	13.1	
28.0	12.2	13.0	13.4	13.1	12.0
30.0	11.2	11.8	12.3	13.1	12.0
32.0	10.2	10.8	11.2	11.9	12.0
34.0	9.3	9.8	10.2	10.8	11.3
36.0	8.4	8.9	9.3	9.8	10.2
38.0	7.3	7.9	8.5	9.0	
40.0	6.2	6.8	7.3	7.8	
42.0	5.3	5.8	6.3	6.7	
44.0	4.5	5.0	5.3	5.7	
46.0	3.8	4.1	4.5		
48.0	3.0	3.4	3.7		
50.0	2.3	2.6	2.9		
θ (°)	37 ~ 83	39 ~ 83	41 ~ 83	51 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0	11.0			
22.0	11.0	11.0	11.0		
24.0	11.0	11.0	11.0		
26.0	11.0	11.0	11.0	11.0	
28.0	10.4	10.4	10.5	10.5	
30.0	9.8	9.8	10.0	10.0	9.3
32.0	9.2	9.2	9.5	9.5	9.3
34.0	8.3	8.6	9.0	9.0	9.3
36.0	7.4	7.8	8.1	8.5	8.8
38.0	6.7	7.0	7.3	7.7	7.9
40.0	6.0	6.3	6.6	6.9	
42.0	5.1	5.6	5.9	6.2	
44.0	4.3	4.8	5.2	5.6	
46.0	3.6	4.0	4.4	4.8	
48.0	2.8	3.3	3.6	3.9	
50.0	2.0	2.5	2.8		
θ (°)	42 ~ 83	45 ~ 83	46 ~ 83	49 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.1				
20.0	9.1				
22.0	9.1	9.1			
24.0	9.1	9.1	8.6		
26.0	9.1	9.1	8.6		
28.0	9.1	9.0	8.6	7.8	
30.0	8.2	8.8	8.6	7.8	6.8
32.0	7.4	8.0	8.1	7.8	6.8
34.0	6.7	7.3	7.7	7.8	6.8
36.0	5.9	6.5	7.0	7.4	6.8
38.0	5.4	5.8	6.3	7.0	6.8
40.0	4.9	5.2	5.6	6.3	6.6
42.0	4.3	4.7	5.0	5.6	
44.0	3.7	4.2	4.4	5.0	
46.0	3.2	3.6	4.0	4.3	
48.0	2.6	3.1	3.4	3.8	
50.0	1.8	2.4	2.8	3.2	
θ (°)	47 ~ 83	49 ~ 83	51 ~ 83	52 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LA 1.8m + 29m luffing jib

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	27.0				
14.0	27.0				
16.0	25.9	23.0			
18.0	25.2	23.0			
20.0	23.9	22.2			
22.0	22.7	21.3	19.5		
24.0	21.8	20.4	18.5		
26.0	20.8	19.2	17.5	14.0	
28.0	18.3	18.2	16.5	14.0	
30.0	16.3	17.0	16.0	13.3	10.7
32.0	14.5	15.3	15.0	12.8	10.3
34.0	12.9	13.6	14.3	12.3	10.1
36.0	11.6	12.2	12.7	11.9	
38.0	10.4	10.9	11.4	11.7	
40.0	9.3	9.7	10.1		
42.0	8.4	8.7	9.0		
44.0	7.5	7.7			
θ (°)	23 ~ 83	27 ~ 83	33 ~ 83	51 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	25.0				
16.0	25.0				
18.0	24.8	22.8			
20.0	24.0	22.0			
22.0	23.1	21.2	20.0		
24.0	22.0	20.4	19.1		
26.0	19.5	19.7	18.2		
28.0	17.1	18.3	17.4	15.0	
30.0	15.0	16.1	16.5	14.4	
32.0	13.2	14.2	15.1	13.8	10.9
34.0	11.7	12.5	13.4	13.3	10.7
36.0	10.3	11.1	11.8	12.8	10.5
38.0	9.1	9.8	10.5	11.3	
40.0	8.1	8.7	9.2	9.9	
42.0	7.2	7.7	8.1	8.7	
44.0	6.3	6.7	7.1		
46.0	5.5	5.9	6.1		
48.0	4.8	5.1			
θ (°)	24 ~ 83	28 ~ 83	33 ~ 83	48 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	16.8				
18.0	16.8				
20.0	16.8	16.8			
22.0	16.8	16.8			
24.0	16.8	16.8	16.8		
26.0	16.5	16.8	16.5		
28.0	16.0	16.5	16.0		
30.0	14.5	15.6	15.6	13.3	
32.0	12.8	13.9	15.0	13.1	
34.0	11.2	12.3	13.2	12.8	10.7
36.0	9.9	10.8	11.7	12.6	10.6
38.0	8.7	9.5	10.3	11.4	10.5
40.0	7.6	8.4	9.1	10.0	10.4
42.0	6.7	7.4	8.0	8.8	
44.0	5.8	6.5	7.0	7.7	
46.0	5.1	5.6	6.1	6.7	
48.0	4.4	4.8	5.3	5.7	
50.0	3.7	4.1	4.5		
55.0	2.2	2.5			
θ (°)	28 ~ 83	31 ~ 83	36 ~ 83	49 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0				
22.0	11.0	11.0			
24.0	11.0	11.0			
26.0	11.0	11.0	11.0		
28.0	11.0	11.0	11.0		
30.0	11.0	11.0	11.0		
32.0	10.5	10.5	10.6	11.0	
34.0	10.0	10.0	10.3	10.5	8.5
36.0	9.5	9.5	9.9	10.1	8.4
38.0	8.4	9.1	9.6	9.7	8.3
40.0	7.3	8.2	8.8	9.3	8.2
42.0	6.4	7.1	7.8	8.5	8.2
44.0	5.6	6.2	6.9	7.6	
46.0	4.8	5.4	6.0	6.6	
48.0	4.1	4.6	5.1	5.7	
50.0	3.5	3.9	4.4	4.8	
55.0	1.9	2.3	2.7		
θ (°)	36 ~ 83	39 ~ 83	42 ~ 83	46 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LA 1.8m + 29m luffing jib

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.0				
20.0	9.0				
22.0	9.0	8.4			
24.0	9.0	8.4			
26.0	9.0	8.4	8.4		
28.0	9.0	8.4	8.4		
30.0	8.8	8.4	8.4		
32.0	8.5	8.4	8.4	7.8	
34.0	8.1	8.1	8.4	7.8	
36.0	7.8	7.9	8.1	7.8	7.0
38.0	7.5	7.7	7.9	7.8	7.0
40.0	6.9	7.3	7.7	7.8	7.0
42.0	6.1	6.7	7.2	7.5	7.0
44.0	5.3	6.0	6.7	7.2	7.0
46.0	4.5	5.2	5.8	6.6	
48.0	3.8	4.5	5.0	5.7	
50.0	3.2	3.8	4.3	4.8	
55.0		2.1	2.6		
θ (°)	44 ~ 83	45 ~ 83	47 ~ 83	51 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	8.0				
22.0	8.0				
24.0	8.0	8.0			
26.0	8.0	8.0			
28.0	8.0	8.0	8.0		
30.0	8.0	8.0	8.0		
32.0	8.0	8.0	8.0		
34.0	7.5	8.0	8.0	7.0	
36.0	7.1	7.4	7.5	7.0	
38.0	6.7	6.9	7.1	7.0	6.0
40.0	6.0	6.4	6.6	7.0	6.0
42.0	5.4	5.8	6.2	6.5	6.0
44.0	4.8	5.2	5.6	6.1	6.0
46.0	4.3	4.7	5.1	5.8	5.8
48.0	3.6	4.2	4.5	4.9	
50.0	2.9	3.6	4.0	4.4	
55.0		1.9	2.4	2.9	
θ (°)	48 ~ 83	49 ~ 83	51 ~ 83	54 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.6				
22.0	6.6				
24.0	6.6				
26.0	6.6	6.4			
28.0	6.5	6.3			
30.0	6.3	6.1	6.1		
32.0	6.0	6.0	6.0		
34.0	5.8	5.9	5.9	5.4	
36.0	5.6	5.8	5.8	5.4	
38.0	5.1	5.6	5.7	5.4	4.2
40.0	4.6	5.1	5.6	5.3	4.2
42.0	4.1	4.6	5.1	5.2	4.2
44.0	3.6	4.1	4.6	5.1	4.2
46.0	3.1	3.6	4.2	4.9	4.2
48.0	2.8	3.2	3.7	4.5	4.2
50.0	2.4	2.8	3.2	4.0	
55.0			2.3	2.8	
θ (°)	51 ~ 83	54 ~ 83	55 ~ 83	57 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LA 1.8m + 37m luffing jib

Unit: ton					
31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	8.5				
20.0	8.5				
22.0	8.5				
24.0	8.5	8.5			
26.0	8.5	8.5			
28.0	8.5	8.5			
30.0	8.5	8.5	8.4		
32.0	8.5	8.5	8.2		
34.0	8.5	8.5	8.0		
36.0	8.5	8.3	7.8	7.2	
38.0	8.5	8.1	7.6	7.0	
40.0	8.5	8.0	7.4	6.8	
42.0	7.9	7.8	7.2	6.7	5.9
44.0	7.1	7.6	7.0	6.5	5.8
46.0	6.3	7.1	6.9	6.3	5.6
48.0	5.6	6.3	6.8	6.2	5.5
50.0	4.9	5.6	6.2	6.1	
55.0	3.5	4.0	4.4	5.0	
60.0	2.2	2.7	3.0		
θ (°)	34 ~ 83	38 ~ 83	41 ~ 83	45 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	7.4				
22.0	7.4				
24.0	7.4				
26.0	7.4	7.4			
28.0	7.4	7.4			
30.0	7.4	7.4	7.4		
32.0	7.4	7.4	7.4		
34.0	7.4	7.4	7.4		
36.0	7.4	7.4	7.4		
38.0	7.4	7.4	7.4	6.7	
40.0	7.4	7.4	7.4	6.4	
42.0	7.0	7.4	7.4	6.2	5.5
44.0	6.4	6.8	7.2	6.0	5.3
46.0	5.9	6.3	6.8	5.8	5.3
48.0	5.3	5.8	6.3	5.6	5.3
50.0	4.6	5.3	5.6	5.5	5.3
55.0	3.2	3.8	4.3	4.9	
60.0		2.4	2.9		
θ (°)	41 ~ 83	44 ~ 83	47 ~ 83	51 ~ 83	61 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.3				
22.0	6.3				
24.0	6.3				
26.0	6.3	6.3			
28.0	6.3	6.3			
30.0	6.3	6.3			
32.0	6.2	6.2	6.3		
34.0	6.1	6.1	6.3		
36.0	6.0	6.1	6.2		
38.0	5.9	6.0	6.1	6.1	
40.0	5.8	5.9	6.0	6.1	
42.0	5.7	5.8	5.9	6.0	
44.0	5.6	5.7	5.8	6.0	5.2
46.0	5.5	5.6	5.7	5.9	5.2
48.0	5.0	5.3	5.6	5.8	5.2
50.0	4.3	5.1	5.5	5.7	5.2
55.0	2.9	3.6	4.1	4.9	
60.0		2.2	2.7	3.2	
θ (°)	46 ~ 83	48 ~ 83	51 ~ 83	54 ~ 83	64 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0	5.0			
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0	5.0		
36.0	5.0	5.0	5.0		
38.0	5.0	5.0	5.0		
40.0	5.0	5.0	5.0	5.0	
42.0	5.0	5.0	5.0	5.0	
44.0	4.9	5.0	5.0	5.0	
46.0	4.6	4.8	5.0	5.0	5.0
48.0	4.2	4.6	4.8	5.0	5.0
50.0	3.8	4.2	4.5	4.7	5.0
55.0	2.6	3.2	3.5	3.9	4.3
60.0		1.9	2.6	3.0	
θ (°)	49 ~ 83	51 ~ 83	54 ~ 83	58 ~ 83	61 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LA 1.8m + 37m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.8				
26.0	3.8				
28.0	3.8				
30.0	3.8	3.8			
32.0	3.8	3.8			
34.0	3.8	3.8	3.8		
36.0	3.8	3.8	3.8		
38.0	3.8	3.8	3.8		
40.0	3.8	3.8	3.8		
42.0	3.8	3.8	3.8	3.8	
44.0	3.7	3.8	3.8	3.8	
46.0	3.6	3.7	3.7	3.8	3.3
48.0	3.2	3.6	3.6	3.7	3.3
50.0	2.8	3.2	3.5	3.6	3.3
55.0	2.1	2.4	2.8	3.3	3.3
60.0			2.0	2.5	
θ (°)	52 ~ 83	56 ~ 83	57 ~ 83	61 ~ 83	64 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LA 1.8m + 45m luffing jib

Unit: ton					
31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	5.8				
22.0	5.8				
24.0	5.8				
26.0	5.7				
28.0	5.6	5.2			
30.0	5.5	5.2			
32.0	5.3	5.0			
34.0	5.2	4.8	4.3		
36.0	5.0	4.6	4.2		
38.0	4.9	4.5	4.1		
40.0	4.7	4.3	3.9		
42.0	4.6	4.1	3.8	3.5	
44.0	4.4	4.0	3.7	3.3	
46.0	4.2	3.9	3.6	3.3	
48.0	4.1	3.7	3.5	3.3	3.1
50.0	4.0	3.6	3.4	3.2	3.1
55.0	3.8	3.4	3.2	3.2	3.1
60.0	2.8	3.3	3.2	3.1	
65.0		2.2	2.6		
θ (°)	40 ~ 83	42 ~ 83	46 ~ 83	52 ~ 83	63 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0				
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0			
36.0	4.9	4.9	4.1		
38.0	4.8	4.8	4.1		
40.0	4.7	4.7	4.1		
42.0	4.6	4.6	4.1		
44.0	4.5	4.5	4.1	3.3	
46.0	4.4	4.4	4.1	3.3	
48.0	4.3	4.3	4.0	3.3	
50.0	4.2	4.2	3.9	3.2	3.0
55.0	3.7	3.8	3.4	2.9	3.0
60.0	2.5	3.1	3.0	2.7	
65.0			2.5	2.4	
θ (°)	44 ~ 83	48 ~ 83	51 ~ 83	55 ~ 83	67 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	4.2				
26.0	4.2				
28.0	4.2				
30.0	4.2	4.2			
32.0	4.2	4.2			
34.0	4.2	4.2			
36.0	4.2	4.2	4.0		
38.0	4.2	4.2	4.0		
40.0	4.2	4.2	3.9		
42.0	4.2	4.1	3.8		
44.0	4.2	4.0	3.7		
46.0	4.1	3.9	3.7	3.3	
48.0	4.0	3.8	3.6	3.2	
50.0	3.8	3.7	3.5	3.2	3.0
55.0	3.4	3.5	3.4	3.1	3.0
60.0	2.1	2.9	3.2	3.1	3.0
65.0		1.6	2.3	2.9	
70.0				1.5	
θ (°)	48 ~ 83	47 ~ 83	50 ~ 83	51 ~ 83	62 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.5				
26.0	3.5				
28.0	3.5				
30.0	3.5				
32.0	3.5	3.5			
34.0	3.5	3.5			
36.0	3.5	3.5			
38.0	3.5	3.5	3.5		
40.0	3.5	3.5	3.5		
42.0	3.5	3.5	3.5		
44.0	3.5	3.5	3.5		
46.0	3.5	3.5	3.5	3.0	
48.0	3.4	3.5	3.5	3.0	
50.0	3.2	3.5	3.4	3.0	
55.0	2.8	3.3	3.1	3.0	2.7
60.0		2.4	2.8	2.8	2.5
65.0			2.0	2.5	
θ (°)	54 ~ 83	55 ~ 83	57 ~ 83	61 ~ 83	65 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LA 1.8m + 45m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
26.0	2.8				
28.0	2.8				
30.0	2.8				
32.0	2.8				
34.0	2.8	2.8			
36.0	2.8	2.8			
38.0	2.8	2.8			
40.0	2.8	2.8	2.8		
42.0	2.8	2.8	2.8		
44.0	2.8	2.8	2.8		
46.0	2.7	2.8	2.8		
48.0	2.6	2.8	2.8	2.8	
50.0	2.5	2.8	2.8	2.8	
55.0	2.2	2.4	2.6	2.8	2.3
60.0		2.1	2.3	2.5	2.3
65.0				2.2	2.3
θ (°)	57 ~ 83	57 ~ 83	61 ~ 83	63 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LB 1.8m + 11m luffing jib

Unit: ton					
18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
6.0	75.0				
7.0	75.0				
8.0	71.6	66.0			
9.0	66.3	63.0	52.6		
10.0	62.9	59.8	51.0		
11.0	56.8	56.8	49.5	41.6	
12.0	51.6	52.7	47.5	40.4	
14.0	42.9	43.8	44.6	38.1	29.0
16.0	36.1	36.9	37.6	36.3	28.2
18.0	30.9	31.5	32.1	32.8	
20.0	26.5	27.1	27.7	28.1	
22.0	22.4	22.9	23.2	23.5	
24.0	19.1	19.4	19.6		
26.0	16.4	16.6			
θ (°)	26 ~ 83	28 ~ 83	33 ~ 83	43 ~ 83	66 ~ 83
F	110t hook (2,100kg)				
H	8part-line				

Unit: ton					
22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
6.0	61.0				
7.0	61.0				
8.0	61.0				
9.0	61.0	61.0			
10.0	57.8	58.6			
11.0	52.6	54.0	51.2		
12.0	48.3	50.0	49.4		
14.0	41.1	42.5	43.7	40.0	31.1
16.0	34.9	35.9	36.7	37.8	30.3
18.0	29.7	30.5	31.2	32.1	29.7
20.0	25.0	25.8	26.6	27.4	
22.0	20.9	21.6	22.2	22.8	
24.0	17.7	18.2	18.6	19.0	
26.0	15.0	15.4	15.7		
28.0	12.8	13.0	13.2		
30.0	10.8	11.0			
θ (°)	26 ~ 83	28 ~ 83	32 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	7part-line				

Unit: ton					
31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	38.9				
10.0	38.9				
11.0	38.9	35.0			
12.0	37.3	34.6			
14.0	33.8	32.5	29.5		
16.0	29.4	30.5	29.5	27.4	23.2
18.0	25.7	26.6	27.6	27.0	23.0
20.0	22.6	23.5	24.2	24.7	22.9
22.0	20.0	20.7	21.4	22.3	22.1
24.0	17.7	18.4	18.9	19.6	
26.0	15.0	15.6	16.1	16.6	
28.0	12.8	13.3	13.7	14.0	
30.0	10.9	11.3	11.6	11.9	
32.0	9.1	9.5	9.8		
34.0	7.5	7.8	8.0		
36.0	6.1	6.3	6.5		
38.0	4.8	5.0			
40.0	3.7				
θ (°)	19 ~ 83	24 ~ 83	32 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	5part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LB 1.8m + 20m luffing jib

Unit: ton

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	47.0				
10.0	47.0				
11.0	46.6				
12.0	45.0	40.0			
14.0	42.2	37.4			
16.0	38.3	34.2	30.0		
18.0	33.0	31.3	27.9		
20.0	28.7	29.0	26.2	21.8	
22.0	24.9	26.0	24.6	20.8	16.2
24.0	21.5	22.4	23.2	19.9	15.8
26.0	18.7	19.5	20.2	19.1	15.5
28.0	16.4	17.0	17.6	18.3	
30.0	14.4	14.9	15.4	15.9	
32.0	12.7	13.1	13.5		
34.0	11.3	11.6	11.8		
36.0	10.0				
θ (°)	18 ~ 83	25 ~ 83	25 ~ 83	47 ~ 83	62 ~ 83
F	65t hook (940kg)				
H	6part-line				

Unit: ton

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
10.0	43.0				
11.0	43.0				
12.0	43.0				
14.0	40.8	39.1			
16.0	37.2	35.9	29.7		
18.0	31.9	33.1	28.5		
20.0	27.6	28.8	27.3	22.6	
22.0	23.6	24.9	25.8	21.9	17.2
24.0	20.2	21.3	22.3	21.1	16.7
26.0	17.4	18.3	19.2	20.3	16.2
28.0	15.1	15.9	16.7	17.6	16.0
30.0	13.1	13.8	14.5	15.2	
32.0	11.4	12.0	12.6	13.2	
34.0	10.0	10.5	10.9		
36.0	8.7	9.1	9.4		
38.0	7.4	7.7			
40.0	6.2				
θ (°)	20 ~ 83	26 ~ 83	36 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	5part-line				

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	26.5				
14.0	26.5				
16.0	26.5	25.7			
18.0	25.8	25.0	23.1		
20.0	23.4	24.3	22.4		
22.0	21.1	22.1	21.8	18.6	
24.0	18.9	19.8	20.8	18.2	
26.0	16.9	17.8	18.6	17.9	15.2
28.0	14.6	15.6	16.5	17.6	15.0
30.0	12.7	13.5	14.3	15.3	14.9
32.0	11.0	11.8	12.4	13.3	13.8
34.0	9.6	10.2	10.8	11.5	
36.0	8.1	8.9	9.4	10.0	
38.0	6.8	7.5	8.0	8.6	
40.0	5.7	6.3	6.7		
42.0	4.7	5.2	5.5		
44.0	3.8	4.1	4.4		
46.0	2.9	3.2			
48.0	2.2	2.4			
θ (°)	23 ~ 83	25 ~ 83	35 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	18.0				
16.0	18.0				
18.0	18.0	18.0			
20.0	18.0	17.3	18.0		
22.0	18.0	16.6	17.2		
24.0	16.8	15.9	16.5	14.7	
26.0	15.6	15.2	15.7	14.4	12.2
28.0	14.1	14.5	15.0	14.3	12.1
30.0	12.7	13.2	13.5	14.0	12.0
32.0	11.0	11.8	12.6	12.7	11.9
34.0	9.6	10.3	10.9	11.6	11.8
36.0	8.1	8.9	9.5	10.2	
38.0	6.8	7.5	8.2	8.8	
40.0	5.7	6.3	6.9	7.4	
42.0	4.6	5.2	5.7	6.1	
44.0	3.7	4.2	4.6		
46.0	2.9	3.3	3.6		
48.0	2.1	2.4	2.7		
θ (°)	34 ~ 83	36 ~ 83	37 ~ 83	49 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LB 1.8m + 20m luffing jib

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	14.5				
18.0	14.5	14.1			
20.0	14.5	14.1			
22.0	14.5	14.1	14.1		
24.0	14.5	13.9	13.8	13.1	
26.0	13.5	13.7	13.6	13.1	
28.0	12.2	13.0	13.4	13.1	12.0
30.0	11.2	11.8	12.3	13.1	12.0
32.0	10.2	10.8	11.2	11.9	12.0
34.0	9.3	9.8	10.2	10.8	11.3
36.0	7.9	8.7	9.3	9.8	10.2
38.0	6.6	7.4	8.1	8.8	
40.0	5.4	6.2	6.8	7.4	
42.0	4.4	5.1	5.6	6.2	
44.0	3.5	4.1	4.5	5.0	
46.0	2.7	3.2	3.6		
48.0	1.9	2.3	2.7		
50.0			1.8		
θ (°)	39 ~ 83	42 ~ 83	41 ~ 83	51 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0	11.0			
22.0	11.0	11.0	11.0		
24.0	11.0	11.0	11.0		
26.0	11.0	11.0	11.0	11.0	
28.0	10.4	10.4	10.5	10.5	
30.0	9.8	9.8	10.0	10.0	9.3
32.0	9.2	9.2	9.5	9.5	9.3
34.0	8.3	8.6	9.0	9.0	9.3
36.0	7.4	7.8	8.1	8.5	8.8
38.0	6.3	7.0	7.3	7.7	7.9
40.0	5.2	6.0	6.6	6.9	
42.0	4.2	4.9	5.5	6.1	
44.0	3.3	3.9	4.4	5.0	
46.0	2.4	3.0	3.5	3.9	
48.0	1.7	2.2	2.6	3.0	
50.0			1.8		
θ (°)	45 ~ 83	47 ~ 83	46 ~ 83	49 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.1				
20.0	9.1				
22.0	9.1	9.1			
24.0	9.1	9.1	8.6		
26.0	9.1	9.1	8.6		
28.0	9.1	9.0	8.6	7.8	
30.0	8.2	8.8	8.6	7.8	6.8
32.0	7.4	8.0	8.1	7.8	6.8
34.0	6.7	7.3	7.7	7.8	6.8
36.0	5.9	6.5	7.0	7.4	6.8
38.0	5.4	5.8	6.3	7.0	6.8
40.0	4.9	5.2	5.6	6.3	6.6
42.0	4.0	4.7	5.0	5.6	
44.0	3.1	3.7	4.3	5.0	
46.0	2.2	2.9	3.4	3.9	
48.0		2.0	2.5	3.0	
50.0			1.7	2.1	
θ (°)	51 ~ 83	51 ~ 83	51 ~ 83	52 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LB 1.8m + 29m luffing jib

Unit: ton

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	27.0				
14.0	27.0				
16.0	25.9	23.0			
18.0	25.2	23.0			
20.0	23.9	22.2			
22.0	22.7	21.3	19.5		
24.0	21.8	20.4	18.5		
26.0	20.2	19.2	17.5	14.0	
28.0	17.8	18.2	16.5	14.0	
30.0	15.8	16.6	16.0	13.3	10.7
32.0	14.0	14.8	15.0	12.8	10.3
34.0	12.5	13.2	13.9	12.3	10.1
36.0	11.2	11.8	12.4	11.9	
38.0	10.1	10.6	11.0	11.6	
40.0	9.0	9.4	9.8		
42.0	8.1	8.4	8.7		
44.0	7.3	7.5			
θ (°)	23 ~ 83	27 ~ 83	33 ~ 83	51 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	25.0				
16.0	25.0				
18.0	24.8	22.8			
20.0	24.0	22.0			
22.0	23.1	21.2	20.0		
24.0	21.7	20.4	19.1		
26.0	18.9	19.7	18.2		
28.0	16.5	17.7	17.4	15.0	
30.0	14.5	15.6	16.5	14.4	
32.0	12.8	13.7	14.7	13.8	10.9
34.0	11.3	12.1	13.0	13.3	10.7
36.0	10.0	10.7	11.5	12.5	10.5
38.0	8.8	9.5	10.1	11.0	
40.0	7.8	8.4	8.9	9.6	
42.0	6.7	7.4	7.9	8.4	
44.0	5.8	6.3	6.8		
46.0	4.9	5.3	5.7		
48.0	4.1	4.4			
θ (°)	24 ~ 83	28 ~ 83	33 ~ 83	48 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	16.8				
18.0	16.8				
20.0	16.8	16.8			
22.0	16.8	16.8			
24.0	16.8	16.8	16.8		
26.0	16.5	16.8	16.5		
28.0	16.0	16.5	16.0		
30.0	14.1	15.3	15.6	13.3	
32.0	12.4	13.5	14.5	13.1	
34.0	10.9	11.9	12.8	12.8	10.7
36.0	9.5	10.5	11.3	12.5	10.6
38.0	8.4	9.2	10.0	11.0	10.5
40.0	7.2	8.1	8.8	9.7	10.3
42.0	6.1	7.0	7.7	8.5	
44.0	5.2	5.9	6.6	7.4	
46.0	4.3	5.0	5.6	6.3	
48.0	3.5	4.1	4.6	5.2	
50.0	2.8	3.3	3.8		
θ (°)	38 ~ 83	42 ~ 83	45 ~ 83	49 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0				
22.0	11.0	11.0			
24.0	11.0	11.0			
26.0	11.0	11.0	11.0		
28.0	11.0	11.0	11.0		
30.0	11.0	11.0	11.0		
32.0	10.5	10.5	10.6	11.0	
34.0	10.0	10.0	10.3	10.5	8.5
36.0	9.2	9.5	9.9	10.1	8.4
38.0	8.0	9.0	9.6	9.7	8.3
40.0	6.8	7.8	8.6	9.3	8.2
42.0	5.8	6.7	7.6	8.4	8.2
44.0	4.8	5.7	6.4	7.4	
46.0	4.0	4.7	5.4	6.3	
48.0	3.2	3.9	4.5	5.2	
50.0	2.5	3.1	3.6	4.2	
55.0			1.7		
θ (°)	39 ~ 83	42 ~ 83	42 ~ 83	46 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LB 1.8m + 29m luffing jib

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.0				
20.0	9.0				
22.0	9.0	8.4			
24.0	9.0	8.4			
26.0	9.0	8.4	8.4		
28.0	9.0	8.4	8.4		
30.0	8.8	8.4	8.4		
32.0	8.5	8.4	8.4	7.8	
34.0	8.1	8.1	8.4	7.8	
36.0	7.8	7.9	8.1	7.8	7.0
38.0	7.5	7.7	7.9	7.8	7.0
40.0	6.5	7.3	7.7	7.8	7.0
42.0	5.4	6.5	7.2	7.5	7.0
44.0	4.5	5.4	6.3	7.2	7.0
46.0	3.6	4.5	5.3	6.2	
48.0	2.9	3.6	4.3	5.1	
50.0	2.2	2.9	3.5	4.2	
θ (°)	48 ~ 83	51 ~ 83	54 ~ 83	57 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	8.0				
22.0	8.0				
24.0	8.0	8.0			
26.0	8.0	8.0			
28.0	8.0	8.0	8.0		
30.0	8.0	8.0	8.0		
32.0	8.0	8.0	8.0		
34.0	7.5	8.0	8.0	7.0	
36.0	7.1	7.4	7.5	7.0	
38.0	6.7	6.9	7.1	7.0	6.0
40.0	6.0	6.4	6.6	7.0	6.0
42.0	5.1	5.8	6.2	6.5	6.0
44.0	4.2	5.2	5.6	6.1	6.0
46.0	3.3	4.2	5.1	5.8	5.8
48.0	2.5	3.4	4.1	4.9	
50.0	1.8	2.6	3.3	4.1	
55.0				2.0	
θ (°)	49 ~ 83	51 ~ 83	53 ~ 83	54 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.6				
22.0	6.6				
24.0	6.6				
26.0	6.6	6.4			
28.0	6.5	6.3			
30.0	6.3	6.1	6.1		
32.0	6.0	6.0	6.0		
34.0	5.8	5.9	5.9	5.4	
36.0	5.6	5.8	5.8	5.4	
38.0	5.1	5.6	5.7	5.4	4.2
40.0	4.6	5.1	5.6	5.3	4.2
42.0	4.1	4.6	5.1	5.2	4.2
44.0	3.6	4.1	4.6	5.1	4.2
46.0	3.0	3.6	4.2	4.9	4.2
48.0		3.2	3.7	4.5	4.2
50.0		2.4	3.1	4.0	
55.0				2.0	
θ (°)	57 ~ 83	54 ~ 83	57 ~ 83	57 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LB 1.8m + 37m luffing jib

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	8.5				
20.0	8.5				
22.0	8.5				
24.0	8.5	8.5			
26.0	8.5	8.5			
28.0	8.5	8.5			
30.0	8.5	8.5	8.4		
32.0	8.5	8.5	8.2		
34.0	8.5	8.5	8.0		
36.0	8.5	8.3	7.8	7.2	
38.0	8.5	8.1	7.6	7.0	
40.0	8.5	8.0	7.4	6.8	
42.0	7.7	7.8	7.2	6.7	5.9
44.0	6.7	7.6	7.0	6.5	5.8
46.0	5.8	6.8	6.9	6.3	5.6
48.0	5.0	5.9	6.7	6.2	5.5
50.0	4.3	5.1	5.8	6.1	
55.0	2.7	3.3	3.9	4.5	
60.0			2.2		
θ (°)	36 ~ 83	40 ~ 83	41 ~ 83	45 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	7.4				
22.0	7.4				
24.0	7.4				
26.0	7.4	7.4			
28.0	7.4	7.4			
30.0	7.4	7.4	7.4		
32.0	7.4	7.4	7.4		
34.0	7.4	7.4	7.4		
36.0	7.4	7.4	7.4		
38.0	7.4	7.4	7.4	6.7	
40.0	7.4	7.4	7.4	6.4	
42.0	7.0	7.4	7.4	6.2	5.5
44.0	6.3	6.8	7.2	6.0	5.3
46.0	5.4	6.3	6.8	5.8	5.3
48.0	4.6	5.6	6.3	5.6	5.3
50.0	3.9	4.8	5.6	5.5	5.3
55.0	2.3	3.0	3.7	4.5	
60.0			2.0		
θ (°)	42 ~ 83	45 ~ 83	47 ~ 83	52 ~ 83	61 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.3				
22.0	6.3				
24.0	6.3				
26.0	6.3	6.3			
28.0	6.3	6.3			
30.0	6.3	6.3			
32.0	6.2	6.2	6.3		
34.0	6.1	6.1	6.3		
36.0	6.0	6.1	6.2		
38.0	5.9	6.0	6.1	6.1	
40.0	5.8	5.9	6.0	6.1	
42.0	5.7	5.8	5.9	6.0	
44.0	5.6	5.7	5.8	6.0	5.2
46.0	5.1	5.6	5.7	5.9	5.2
48.0	4.3	5.3	5.6	5.8	5.2
50.0	3.6	4.5	5.4	5.7	5.2
55.0	2.0	2.8	3.5	4.4	
60.0				2.5	
θ (°)	46 ~ 83	50 ~ 83	53 ~ 83	54 ~ 83	64 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0	5.0			
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0	5.0		
36.0	5.0	5.0	5.0		
38.0	5.0	5.0	5.0		
40.0	5.0	5.0	5.0	5.0	
42.0	5.0	5.0	5.0	5.0	
44.0	4.9	5.0	5.0	5.0	
46.0	4.6	4.8	5.0	5.0	5.0
48.0	3.9	4.6	4.8	5.0	5.0
50.0	3.2	4.2	4.5	4.7	5.0
55.0		2.5	3.3	3.9	4.3
60.0				2.4	
θ (°)	54 ~ 83	53 ~ 83	56 ~ 83	58 ~ 83	61 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LB 1.8m + 37m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.8				
26.0	3.8				
28.0	3.8				
30.0	3.8	3.8			
32.0	3.8	3.8			
34.0	3.8	3.8	3.8		
36.0	3.8	3.8	3.8		
38.0	3.8	3.8	3.8		
40.0	3.8	3.8	3.8		
42.0	3.8	3.8	3.8	3.8	
44.0	3.7	3.8	3.8	3.8	
46.0	3.6	3.7	3.7	3.8	3.3
48.0	3.2	3.6	3.6	3.7	3.3
50.0	2.8	3.2	3.5	3.6	3.3
55.0		2.3	2.8	3.3	3.3
60.0				2.5	
θ (°)	56 ~ 83	56 ~ 83	58 ~ 83	61 ~ 83	64 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LB 1.8m + 45m luffing jib

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	5.8				
22.0	5.8				
24.0	5.8				
26.0	5.7				
28.0	5.6	5.2			
30.0	5.5	5.2			
32.0	5.3	5.0			
34.0	5.2	4.8	4.3		
36.0	5.0	4.6	4.2		
38.0	4.9	4.5	4.1		
40.0	4.7	4.3	3.9		
42.0	4.6	4.1	3.8	3.5	
44.0	4.4	4.0	3.7	3.3	
46.0	4.2	3.9	3.6	3.3	
48.0	4.1	3.7	3.5	3.3	3.1
50.0	4.0	3.6	3.4	3.2	3.1
55.0	3.3	3.4	3.2	3.2	3.1
60.0		2.7	3.2	3.1	
θ (°)	46 ~ 83	49 ~ 83	54 ~ 83	59 ~ 83	63 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0				
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0			
36.0	4.9	4.9	4.1		
38.0	4.8	4.8	4.1		
40.0	4.7	4.7	4.1		
42.0	4.6	4.6	4.1		
44.0	4.5	4.5	4.1	3.3	
46.0	4.4	4.4	4.1	3.3	
48.0	4.3	4.3	4.0	3.3	
50.0	4.2	4.2	3.9	3.2	3.0
55.0	2.9	3.8	3.4	2.9	3.0
60.0		2.4	3.0	2.7	
65.0				2.4	
θ (°)	49 ~ 83	49 ~ 83	52 ~ 83	55 ~ 83	67 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	4.2				
26.0	4.2				
28.0	4.2				
30.0	4.2	4.2			
32.0	4.2	4.2			
34.0	4.2	4.2			
36.0	4.2	4.2	4.0		
38.0	4.2	4.2	4.0		
40.0	4.2	4.2	3.9		
42.0	4.2	4.1	3.8		
44.0	4.2	4.0	3.7		
46.0	4.1	3.9	3.7	3.3	
48.0	4.0	3.8	3.6	3.2	
50.0	3.8	3.7	3.5	3.2	3.0
55.0	2.5	3.5	3.4	3.1	3.0
60.0		2.1	2.9	3.1	3.0
65.0				2.3	
θ (°)	52 ~ 83	52 ~ 83	56 ~ 83	58 ~ 83	62 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.5				
26.0	3.5				
28.0	3.5				
30.0	3.5				
32.0	3.5	3.5			
34.0	3.5	3.5			
36.0	3.5	3.5			
38.0	3.5	3.5	3.5		
40.0	3.5	3.5	3.5		
42.0	3.5	3.5	3.5		
44.0	3.5	3.5	3.5		
46.0	3.5	3.5	3.5	3.0	
48.0	3.4	3.5	3.5	3.0	
50.0	3.2	3.5	3.4	3.0	
55.0	2.2	3.2	3.1	3.0	2.7
60.0			2.6	2.8	2.5
65.0				2.2	
θ (°)	55 ~ 83	59 ~ 83	58 ~ 83	61 ~ 83	65 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LB 1.8m + 45m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
26.0	2.8				
28.0	2.8				
30.0	2.8				
32.0	2.8				
34.0	2.8	2.8			
36.0	2.8	2.8			
38.0	2.8	2.8			
40.0	2.8	2.8	2.8		
42.0	2.8	2.8	2.8		
44.0	2.8	2.8	2.8		
46.0	2.7	2.8	2.8		
48.0	2.6	2.8	2.8	2.8	
50.0	2.5	2.8	2.8	2.8	
55.0		2.4	2.6	2.8	2.3
60.0			2.3	2.5	2.3
65.0					2.3
θ (°)	60 ~ 83	61 ~ 83	61 ~ 83	65 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LC 1.8m + 11m luffing jib

Unit: ton

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
6.0	75.0				
7.0	75.0				
8.0	71.6	66.0			
9.0	66.3	63.0	52.6		
10.0	60.3	59.8	51.0		
11.0	54.1	55.4	49.5	41.6	
12.0	48.7	49.9	47.5	40.4	
14.0	40.2	41.1	42.0	38.1	29.0
16.0	33.8	34.6	35.3	36.2	28.2
18.0	27.9	28.7	29.5	30.3	
20.0	23.0	23.7	24.2	24.8	
22.0	19.2	19.7	20.1	20.4	
24.0	16.2	16.6	16.8		
26.0	13.8	13.9			
θ (°)	26 ~ 83	28 ~ 83	33 ~ 83	43 ~ 83	66 ~ 83
F	110t hook (2,100kg)				
H	8part-line				

Unit: ton

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
7.0	61.0				
8.0	61.0				
9.0	61.0	61.0			
10.0	57.8	58.6			
11.0	52.6	54.0	51.2		
12.0	47.5	48.9	49.4		
14.0	39.0	40.1	41.2	40.0	31.1
16.0	32.6	33.5	34.4	35.5	30.3
18.0	26.4	27.4	28.3	29.4	29.7
20.0	21.5	22.4	23.1	23.9	
22.0	17.8	18.4	19.0	19.6	
24.0	14.8	15.3	15.7	16.2	
26.0	12.3	12.7	13.1		
28.0	10.3	10.6	10.8		
30.0	8.6	8.8			
θ (°)	26 ~ 83	28 ~ 83	32 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	7part-line				

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	38.9				
10.0	38.9				
11.0	38.9	35.0			
12.0	37.3	34.6			
14.0	33.8	32.5	29.5		
16.0	29.4	30.5	29.5	27.4	23.2
18.0	25.7	26.6	27.6	27.0	23.0
20.0	21.6	22.5	23.3	24.4	22.9
22.0	17.8	18.6	19.3	20.1	20.6
24.0	14.8	15.5	16.1	16.7	
26.0	12.4	12.9	13.4	13.9	
28.0	10.3	10.8	11.2	11.6	
30.0	8.6	9.0	9.3	9.6	
32.0	7.2	7.5	7.7		
34.0	5.9	6.2	6.3		
36.0	4.8	5.0	5.1		
38.0	3.8	3.9			
40.0	2.9				
θ (°)	19 ~ 83	24 ~ 83	32 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	5part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LC 1.8m + 20m luffing jib

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	47.0				
10.0	47.0				
11.0	46.6				
12.0	45.0	40.0			
14.0	42.2	37.4			
16.0	35.9	34.2	30.0		
18.0	30.8	31.3	27.9		
20.0	25.8	27.0	26.2	21.8	
22.0	21.8	22.9	23.9	20.8	16.2
24.0	18.7	19.6	20.5	19.9	15.8
26.0	16.1	16.9	17.6	18.5	15.5
28.0	14.0	14.6	15.2	15.9	
30.0	12.2	12.7	13.2	13.7	
32.0	10.6	11.0	11.4		
34.0	9.3	9.6	9.8		
36.0	8.1				
θ (°)	18 ~ 83	25 ~ 83	25 ~ 83	47 ~ 83	62 ~ 83
F	65t hook (940kg)				
H	6part-line				

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
10.0	43.0				
11.0	43.0				
12.0	43.0				
14.0	40.8	39.1			
16.0	34.8	35.9	29.7		
18.0	29.4	31.2	28.5		
20.0	24.4	25.9	27.3	22.6	
22.0	20.5	21.8	23.0	21.9	17.2
24.0	17.3	18.5	19.5	21.0	16.7
26.0	14.8	15.8	16.7	17.9	16.2
28.0	12.7	13.5	14.3	15.3	15.9
30.0	10.9	11.6	12.2	13.0	
32.0	9.3	9.9	10.5	11.1	
34.0	8.0	8.5	8.9		
36.0	6.8	7.2	7.5		
38.0	5.8	6.1			
40.0	4.9				
θ (°)	20 ~ 83	27 ~ 83	36 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	5part-line				

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	26.5				
14.0	26.5				
16.0	26.5	25.7			
18.0	25.8	25.0	23.1		
20.0	23.4	24.3	22.4		
22.0	20.0	21.4	21.8	18.6	
24.0	16.9	18.1	19.3	18.2	
26.0	14.3	15.4	16.5	17.8	15.2
28.0	12.2	13.2	14.1	15.3	15.0
30.0	10.4	11.3	12.1	13.1	13.7
32.0	8.9	9.7	10.4	11.2	11.7
34.0	7.6	8.2	8.9	9.6	
36.0	6.4	7.0	7.5	8.1	
38.0	5.4	5.9	6.4	6.8	
40.0	4.5	4.9	5.3		
42.0	3.7	4.1	4.3		
44.0	3.0	3.3	3.5		
46.0	2.2	2.5			
θ (°)	29 ~ 83	31 ~ 83	36 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	4part-line				

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	18.0				
16.0	18.0				
18.0	18.0	18.0			
20.0	18.0	17.3	18.0		
22.0	18.0	16.6	17.2		
24.0	16.8	15.9	16.5	14.7	
26.0	14.4	15.2	15.7	14.4	12.2
28.0	12.3	13.3	14.2	14.3	12.1
30.0	10.5	11.4	12.2	13.3	12.0
32.0	8.9	9.7	10.5	11.4	11.9
34.0	7.6	8.3	9.0	9.8	10.2
36.0	6.4	7.1	7.7	8.3	
38.0	5.4	6.0	6.5	7.0	
40.0	4.5	5.0	5.4	5.9	
42.0	3.7	4.1	4.5	4.8	
44.0	2.9	3.3	3.6		
46.0	2.2	2.6	2.8		
48.0		1.8	2.0		
θ (°)	36 ~ 83	36 ~ 83	37 ~ 83	49 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LC 1.8m + 20m luffing jib

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	14.5				
18.0	14.5	14.1			
20.0	14.5	14.1			
22.0	14.5	14.1	14.1		
24.0	14.5	13.9	13.8	13.1	
26.0	13.5	13.7	13.6	13.1	
28.0	12.0	13.0	13.4	13.1	12.0
30.0	10.3	11.2	12.1	13.1	12.0
32.0	8.7	9.6	10.4	11.4	12.0
34.0	7.4	8.2	8.9	9.7	10.3
36.0	6.2	6.9	7.6	8.3	8.7
38.0	5.2	5.8	6.4	7.0	
40.0	4.3	4.9	5.4	5.9	
42.0	3.5	4.0	4.4	4.9	
44.0	2.8	3.2	3.6	3.9	
46.0	2.0	2.5	2.8		
48.0			2.0		
θ (°)	42 ~ 83	45 ~ 83	44 ~ 83	51 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0	11.0			
22.0	11.0	11.0	11.0		
24.0	11.0	11.0	11.0		
26.0	11.0	11.0	11.0	11.0	
28.0	10.4	10.4	10.5	10.5	
30.0	9.8	9.8	10.0	10.0	9.3
32.0	8.5	9.2	9.5	9.5	9.3
34.0	7.2	8.0	8.8	9.0	9.3
36.0	6.0	6.8	7.4	8.3	8.7
38.0	5.0	5.7	6.3	7.0	7.4
40.0	4.1	4.7	5.3	5.9	
42.0	3.3	3.8	4.3	4.9	
44.0	2.5	3.1	3.5	3.9	
46.0	1.7	2.3	2.7	3.1	
48.0			1.9	2.3	
θ (°)	47 ~ 83	49 ~ 83	49 ~ 83	51 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.1				
20.0	9.1				
22.0	9.1	9.1			
24.0	9.1	9.1	8.6		
26.0	9.1	9.1	8.6		
28.0	9.1	9.0	8.6	7.8	
30.0	8.2	8.8	8.6	7.8	6.8
32.0	7.4	8.0	8.1	7.8	6.8
34.0	6.7	7.3	7.7	7.8	6.8
36.0	5.9	6.5	7.0	7.4	6.8
38.0	4.8	5.6	6.2	7.0	6.8
40.0	3.9	4.6	5.2	5.8	6.2
42.0	3.1	3.7	4.2	4.8	
44.0	2.3	2.9	3.4	3.9	
46.0		2.2	2.7	3.1	
48.0				2.3	
θ (°)	53 ~ 83	53 ~ 83	54 ~ 83	55 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LC 1.8m + 29m luffing jib

Unit: ton					
18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	27.0				
14.0	27.0				
16.0	25.9	23.0			
18.0	25.2	23.0			
20.0	23.9	22.2			
22.0	22.7	21.3	19.5		
24.0	20.2	20.4	18.5		
26.0	17.6	18.7	17.5	14.0	
28.0	15.4	16.4	16.5	14.0	
30.0	13.6	14.4	15.3	13.3	10.7
32.0	12.0	12.7	13.5	12.8	10.3
34.0	10.6	11.3	11.9	12.3	10.1
36.0	9.4	10.0	10.5	11.3	
38.0	8.3	8.8	9.3	9.9	
40.0	7.4	7.8	8.2		
42.0	6.5	6.9	7.1		
44.0	5.8	6.0			
θ (°)	23 ~ 83	27 ~ 83	33 ~ 83	51 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton					
22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	25.0				
16.0	25.0				
18.0	24.8	22.8			
20.0	24.0	22.0			
22.0	22.1	21.2	20.0		
24.0	18.9	20.4	19.1		
26.0	16.3	17.7	18.2		
28.0	14.1	15.4	16.6	15.0	
30.0	12.3	13.4	14.4	14.4	
32.0	10.7	11.7	12.6	13.8	10.9
34.0	9.3	10.2	11.0	12.2	10.7
36.0	8.1	8.9	9.7	10.6	10.5
38.0	7.1	7.8	8.4	9.3	
40.0	6.1	6.7	7.3	8.0	
42.0	5.3	5.8	6.3	6.8	
44.0	4.6	5.0	5.4		
46.0	3.9	4.2	4.5		
48.0	3.3	3.5			
θ (°)	24 ~ 83	28 ~ 83	33 ~ 83	48 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton					
31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	16.8				
18.0	16.8				
20.0	16.8	16.8			
22.0	16.8	16.8			
24.0	16.8	16.8	16.8		
26.0	15.9	16.8	16.5		
28.0	13.7	15.1	16.0		
30.0	11.8	13.1	14.3	13.3	
32.0	10.3	11.4	12.5	13.1	
34.0	8.9	9.9	10.9	12.2	10.7
36.0	7.7	8.6	9.5	10.7	10.6
38.0	6.6	7.5	8.3	9.3	10.0
40.0	5.7	6.4	7.2	8.1	8.7
42.0	4.8	5.5	6.2	6.9	
44.0	4.1	4.7	5.3	5.9	
46.0	3.4	3.9	4.4	5.0	
48.0	2.8	3.3	3.7	4.1	
50.0	2.2	2.6	3.0		
θ (°)	38 ~ 83	42 ~ 83	45 ~ 83	49 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton					
36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0				
22.0	11.0	11.0			
24.0	11.0	11.0			
26.0	11.0	11.0	11.0		
28.0	11.0	11.0	11.0		
30.0	11.0	11.0	11.0		
32.0	10.0	10.5	10.6	11.0	
34.0	8.6	9.7	10.3	10.5	8.5
36.0	7.4	8.4	9.3	10.1	8.4
38.0	6.3	7.2	8.1	9.2	8.3
40.0	5.4	6.2	7.0	8.0	8.2
42.0	4.6	5.3	6.0	6.9	7.4
44.0	3.8	4.5	5.1	5.9	
46.0	3.1	3.7	4.3	5.0	
48.0	2.5	3.1	3.5	4.1	
50.0	1.8	2.4	2.9	3.3	
θ (°)	44 ~ 83	47 ~ 83	50 ~ 83	53 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LC 1.8m + 29m luffing jib

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.0				
20.0	9.0				
22.0	9.0	8.4			
24.0	9.0	8.4			
26.0	9.0	8.4	8.4		
28.0	9.0	8.4	8.4		
30.0	8.8	8.4	8.4		
32.0	8.5	8.4	8.4	7.8	
34.0	8.1	8.1	8.4	7.8	
36.0	7.1	7.9	8.1	7.8	7.0
38.0	6.1	7.0	7.9	7.8	7.0
40.0	5.1	6.0	6.8	7.8	7.0
42.0	4.3	5.1	5.9	6.8	7.0
44.0	3.6	4.3	5.0	5.8	6.3
46.0	2.9	3.5	4.2	4.9	
48.0	2.2	2.9	3.4	4.1	
50.0		2.2	2.7	3.3	
θ (°)	49 ~ 83	51 ~ 83	54 ~ 83	57 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	8.0				
22.0	8.0				
24.0	8.0	8.0			
26.0	8.0	8.0			
28.0	8.0	8.0	8.0		
30.0	8.0	8.0	8.0		
32.0	8.0	8.0	8.0		
34.0	7.5	8.0	8.0	7.0	
36.0	6.8	7.4	7.5	7.0	
38.0	5.8	6.8	7.1	7.0	6.0
40.0	4.9	5.8	6.6	7.0	6.0
42.0	4.0	4.9	5.7	6.5	6.0
44.0	3.3	4.1	4.8	5.7	6.0
46.0	2.6	3.3	4.0	4.8	5.3
48.0		2.7	3.3	4.0	
50.0			2.6	3.2	
θ (°)	54 ~ 83	56 ~ 83	57 ~ 83	60 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.6				
22.0	6.6				
24.0	6.6				
26.0	6.6	6.4			
28.0	6.5	6.3			
30.0	6.3	6.1	6.1		
32.0	6.0	6.0	6.0		
34.0	5.8	5.9	5.9	5.4	
36.0	5.6	5.8	5.8	5.4	
38.0	5.1	5.6	5.7	5.4	4.2
40.0	4.6	5.1	5.6	5.3	4.2
42.0	3.8	4.6	5.1	5.2	4.2
44.0	3.1	3.9	4.6	5.1	4.2
46.0		3.2	3.9	4.7	4.2
48.0			3.1	3.9	4.2
50.0				3.2	
θ (°)	59 ~ 83	60 ~ 83	61 ~ 83	63 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LC 1.8m + 37m luffing jib

Unit: ton					
31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	8.5				
20.0	8.5				
22.0	8.5				
24.0	8.5	8.5			
26.0	8.5	8.5			
28.0	8.5	8.5			
30.0	8.5	8.5	8.4		
32.0	8.5	8.5	8.2		
34.0	8.5	8.5	8.0		
36.0	8.5	8.3	7.8	7.2	
38.0	7.9	8.1	7.6	7.0	
40.0	7.0	8.0	7.4	6.8	
42.0	6.1	7.0	7.2	6.7	5.9
44.0	5.3	6.2	7.0	6.5	5.8
46.0	4.6	5.4	6.1	6.3	5.6
48.0	4.0	4.7	5.4	6.2	5.5
50.0	3.4	4.0	4.6	5.4	
55.0	2.1	2.6	3.1	3.6	
θ (°)	42 ~ 83	46 ~ 83	50 ~ 83	54 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	7.4				
22.0	7.4				
24.0	7.4				
26.0	7.4	7.4			
28.0	7.4	7.4			
30.0	7.4	7.4	7.4		
32.0	7.4	7.4	7.4		
34.0	7.4	7.4	7.4		
36.0	7.4	7.4	7.4		
38.0	7.4	7.4	7.4	6.7	
40.0	6.6	7.4	7.4	6.4	
42.0	5.8	6.8	7.4	6.2	5.5
44.0	5.0	5.9	6.8	6.0	5.3
46.0	4.3	5.1	5.9	5.8	5.3
48.0	3.7	4.4	5.2	5.6	5.3
50.0	3.1	3.8	4.5	5.3	5.3
55.0		2.4	2.9	3.5	
θ (°)	48 ~ 83	50 ~ 83	54 ~ 83	58 ~ 83	61 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.3				
22.0	6.3				
24.0	6.3				
26.0	6.3	6.3			
28.0	6.3	6.3			
30.0	6.3	6.3			
32.0	6.2	6.2	6.3		
34.0	6.1	6.1	6.3		
36.0	6.0	6.1	6.2		
38.0	5.9	6.0	6.1	6.1	
40.0	5.8	5.9	6.0	6.1	
42.0	5.5	5.8	5.9	6.0	
44.0	4.7	5.7	5.8	6.0	5.2
46.0	4.0	4.9	5.7	5.9	5.2
48.0	3.4	4.2	5.0	5.8	5.2
50.0	2.8	3.6	4.3	5.2	5.2
55.0		2.2	2.8	3.5	
θ (°)	51 ~ 83	54 ~ 83	57 ~ 83	61 ~ 83	64 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton					
45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0	5.0			
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0	5.0		
36.0	5.0	5.0	5.0		
38.0	5.0	5.0	5.0		
40.0	5.0	5.0	5.0	5.0	
42.0	5.0	5.0	5.0	5.0	
44.0	4.4	5.0	5.0	5.0	
46.0	3.7	4.7	5.0	5.0	5.0
48.0	3.1	4.0	4.8	5.0	5.0
50.0	2.5	3.4	4.1	4.7	5.0
55.0			2.6	3.4	3.9
θ (°)	54 ~ 83	57 ~ 83	60 ~ 83	64 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LC 1.8m + 37m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.8				
26.0	3.8				
28.0	3.8				
30.0	3.8	3.8			
32.0	3.8	3.8			
34.0	3.8	3.8	3.8		
36.0	3.8	3.8	3.8		
38.0	3.8	3.8	3.8		
40.0	3.8	3.8	3.8		
42.0	3.8	3.8	3.8	3.8	
44.0	3.7	3.8	3.8	3.8	
46.0	3.5	3.7	3.7	3.8	3.3
48.0	2.9	3.6	3.6	3.7	3.3
50.0	2.3	3.2	3.5	3.6	3.3
55.0			2.5	3.3	3.3
θ (°)	56 ~ 83	60 ~ 83	62 ~ 83	66 ~ 83	68 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LC 1.8m + 45m luffing jib

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	5.8				
22.0	5.8				
24.0	5.8				
26.0	5.7				
28.0	5.6	5.2			
30.0	5.5	5.2			
32.0	5.3	5.0			
34.0	5.2	4.8	4.3		
36.0	5.0	4.6	4.2		
38.0	4.9	4.5	4.1		
40.0	4.7	4.3	3.9		
42.0	4.6	4.1	3.8	3.5	
44.0	4.4	4.0	3.7	3.3	
46.0	4.2	3.9	3.6	3.3	
48.0	4.1	3.7	3.5	3.3	3.1
50.0	3.9	3.6	3.4	3.2	3.1
55.0	2.6	3.3	3.2	3.2	3.1
60.0		2.1	2.6	3.1	
θ (°)	46 ~ 83	49 ~ 83	54 ~ 83	59 ~ 83	63 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0				
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0			
36.0	4.9	4.9	4.1		
38.0	4.8	4.8	4.1		
40.0	4.7	4.7	4.1		
42.0	4.6	4.6	4.1		
44.0	4.5	4.5	4.1	3.3	
46.0	4.4	4.4	4.1	3.3	
48.0	4.2	4.3	4.0	3.3	
50.0	3.6	4.2	3.9	3.2	3.0
55.0	2.3	3.0	3.4	2.9	3.0
60.0			2.4	2.7	
θ (°)	49 ~ 83	54 ~ 83	57 ~ 83	62 ~ 83	67 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	4.2				
24.0	4.2				
26.0	4.2				
28.0	4.2				
30.0	4.2	4.2			
32.0	4.2	4.2			
34.0	4.2	4.2			
36.0	4.2	4.2	4.0		
38.0	4.2	4.2	4.0		
40.0	4.2	4.2	3.9		
42.0	4.2	4.1	3.8		
44.0	4.2	4.0	3.7		
46.0	4.1	3.9	3.7	3.3	
48.0	3.9	3.8	3.6	3.2	
50.0	3.3	3.7	3.5	3.2	3.0
55.0	2.0	2.8	3.4	3.1	3.0
60.0			2.3	3.1	3.0
θ (°)	52 ~ 83	57 ~ 83	59 ~ 83	64 ~ 83	67 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.5				
26.0	3.5				
28.0	3.5				
30.0	3.5				
32.0	3.5	3.5			
34.0	3.5	3.5			
36.0	3.5	3.5			
38.0	3.5	3.5	3.5		
40.0	3.5	3.5	3.5		
42.0	3.5	3.5	3.5		
44.0	3.5	3.5	3.5		
46.0	3.5	3.5	3.5	3.0	
48.0	3.4	3.5	3.5	3.0	
50.0	3.0	3.5	3.4	3.0	
55.0		2.6	3.1	3.0	2.7
60.0			2.1	2.8	2.5
θ (°)	58 ~ 83	59 ~ 83	62 ~ 83	66 ~ 83	69 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LC 1.8m + 45m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
26.0	2.8				
28.0	2.8				
30.0	2.8				
32.0	2.8				
34.0	2.8	2.8			
36.0	2.8	2.8			
38.0	2.8	2.8			
40.0	2.8	2.8	2.8		
42.0	2.8	2.8	2.8		
44.0	2.8	2.8	2.8		
46.0	2.7	2.8	2.8		
48.0	2.6	2.8	2.8	2.8	
50.0	2.5	2.8	2.8	2.8	
55.0			2.6	2.8	2.3
60.0				2.5	2.3
65.0					2.1
θ (°)	60 ~ 83	65 ~ 83	65 ~ 83	65 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LD 1.8m + 11m luffing jib

Unit: ton					
18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
6.0	75.0				
7.0	75.0				
8.0	71.6	66.0			
9.0	65.2	63.0	52.6		
10.0	57.6	59.1	51.0		
11.0	51.4	52.7	49.5	41.6	
12.0	45.8	47.3	47.5	40.4	
14.0	35.7	36.9	38.0	38.1	29.0
16.0	28.7	29.6	30.5	31.5	28.2
18.0	23.5	24.3	24.9	25.7	
20.0	19.2	19.8	20.4	20.9	
22.0	15.8	16.3	16.7	17.0	
24.0	13.2	13.5	13.7		
26.0	11.0	11.2			
θ (°)	26 ~ 83	28 ~ 83	33 ~ 83	43 ~ 83	66 ~ 83
F	110t hook (2,100kg)				
H	8part-line				

Unit: ton					
22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
7.0	61.0				
8.0	61.0				
9.0	61.0	61.0			
10.0	56.4	58.1			
11.0	50.1	51.7	51.2		
12.0	44.3	46.1	47.7		
14.0	34.3	35.6	36.9	38.6	31.1
16.0	27.3	28.4	29.4	30.7	30.3
18.0	22.0	23.0	23.9	24.9	25.5
20.0	17.7	18.5	19.2	20.1	
22.0	14.4	15.0	15.6	16.2	
24.0	11.7	12.2	12.7	13.1	
26.0	9.6	10.0	10.3		
28.0	7.8	8.0	8.2		
30.0	6.2	6.4			
θ (°)	26 ~ 83	28 ~ 83	32 ~ 83	48 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	7part-line				

Unit: ton					
31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	38.9				
10.0	38.9				
11.0	38.9	35.0			
12.0	37.3	34.6			
14.0	33.8	32.5	29.5		
16.0	27.3	28.5	29.5	27.4	23.2
18.0	22.0	23.2	24.1	25.2	23.0
20.0	17.7	18.7	19.5	20.5	21.1
22.0	14.4	15.2	15.9	16.7	17.2
24.0	11.8	12.4	13.0	13.7	
26.0	9.6	10.2	10.7	11.2	
28.0	7.8	8.3	8.7	9.1	
30.0	6.3	6.7	7.0	7.3	
32.0		5.3	5.6		
34.0			4.3		
36.0			3.1		
θ (°)	44 ~ 83	42 ~ 83	35 ~ 83	49 ~ 83	65 ~ 83
F	65t hook (940kg)				
H	5part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LD 1.8m + 20m luffing jib

Unit: ton

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
9.0	47.0				
10.0	47.0				
11.0	46.6				
12.0	45.0	40.0			
14.0	38.7	37.4			
16.0	31.4	33.0	30.0		
18.0	26.1	27.4	27.9		
20.0	21.9	23.1	24.2	21.8	
22.0	18.4	19.5	20.5	20.8	16.2
24.0	15.6	16.5	17.4	18.6	15.8
26.0	13.3	14.1	14.8	15.8	15.5
28.0	11.4	12.1	12.7	13.4	
30.0	9.8	10.4	10.8	11.3	
32.0	8.5	8.9	9.2		
34.0	7.3	7.6	7.8		
36.0	6.2				
θ (°)	18 ~ 83	26 ~ 83	26 ~ 83	47 ~ 83	62 ~ 83
F	65t hook (940kg)				
H	6part-line				

Unit: ton

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
10.0	43.0				
11.0	43.0				
12.0	43.0				
14.0	37.4	39.1			
16.0	30.1	32.0	29.7		
18.0	24.8	26.4	28.0		
20.0	20.5	22.1	23.4	22.6	
22.0	17.1	18.4	19.6	21.3	17.2
24.0	14.3	15.4	16.5	17.9	16.7
26.0	12.0	13.0	13.9	15.1	16.2
28.0	10.1	10.9	11.7	12.7	13.3
30.0	8.5	9.2	9.9	10.7	
32.0	7.2	7.8	8.3	8.9	
34.0	6.0	6.5	6.9		
36.0	4.9	5.3	5.6		
38.0	4.0	4.3			
40.0	3.2				
θ (°)	20 ~ 83	27 ~ 83	37 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	5part-line				

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	26.5				
14.0	26.5				
16.0	26.5	25.7			
18.0	24.3	25.0	23.1		
20.0	20.1	21.7	22.4		
22.0	16.6	18.0	19.4	18.6	
24.0	13.8	15.1	16.3	17.8	
26.0	11.6	12.7	13.7	15.1	15.2
28.0	9.7	10.6	11.6	12.7	13.5
30.0	8.1	8.9	9.7	10.7	11.4
32.0	6.7	7.5	8.2	9.0	9.5
34.0	5.5	6.2	6.8	7.5	
36.0	4.5	5.1	5.6	6.2	
38.0	3.6	4.1	4.6	5.0	
40.0	2.7	3.2	3.6		
42.0	1.9	2.3	2.7		
44.0			1.8		
θ (°)	37 ~ 83	40 ~ 83	38 ~ 83	51 ~ 83	63 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	18.0				
16.0	18.0				
18.0	18.0	18.0			
20.0	18.0	17.3	18.0		
22.0	16.6	16.6	17.2		
24.0	13.9	15.2	16.4	14.7	
26.0	11.6	12.8	13.8	14.4	12.2
28.0	9.7	10.7	11.7	12.9	12.1
30.0	8.1	9.0	9.9	10.9	11.6
32.0	6.7	7.6	8.3	9.2	9.8
34.0	5.6	6.3	6.9	7.7	8.2
36.0	4.5	5.2	5.7	6.4	
38.0	3.6	4.2	4.7	5.2	
40.0	2.7	3.3	3.7	4.2	
42.0	1.8	2.4	2.8	3.2	
44.0			1.9		
θ (°)	44 ~ 83	46 ~ 83	46 ~ 83	49 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LD 1.8m + 20m luffing jib

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	14.5				
18.0	14.5	14.1			
20.0	14.5	14.1			
22.0	14.5	14.1	14.1		
24.0	13.7	13.9	13.8	13.1	
26.0	11.4	12.6	13.6	13.1	
28.0	9.5	10.6	11.6	12.9	12.0
30.0	7.9	8.9	9.8	10.9	11.7
32.0	6.5	7.4	8.2	9.2	9.8
34.0	5.4	6.1	6.8	7.7	8.2
36.0	4.3	5.0	5.7	6.4	6.8
38.0	3.4	4.1	4.6	5.2	
40.0	2.5	3.2	3.7	4.2	
42.0	1.6	2.3	2.8	3.3	
44.0			1.9	2.3	
θ (°)	49 ~ 83	51 ~ 83	51 ~ 83	53 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0	11.0			
22.0	11.0	11.0	11.0		
24.0	11.0	11.0	11.0		
26.0	11.0	11.0	11.0	11.0	
28.0	9.3	10.4	10.5	10.5	
30.0	7.7	8.7	9.6	10.0	9.3
32.0	6.3	7.2	8.1	9.1	9.3
34.0	5.2	6.0	6.7	7.6	8.2
36.0	4.1	4.9	5.5	6.4	6.8
38.0	3.2	3.9	4.5	5.2	5.6
40.0	2.2	3.0	3.6	4.2	
42.0			2.7	3.3	
44.0				2.3	
θ (°)	54 ~ 83	56 ~ 83	56 ~ 83	57 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.1				
20.0	9.1				
22.0	9.1	9.1			
24.0	9.1	9.1	8.6		
26.0	9.1	9.1	8.6		
28.0	9.1	9.0	8.6	7.8	
30.0	7.5	8.6	8.6	7.8	6.8
32.0	6.2	7.1	8.0	7.8	6.8
34.0	5.0	5.8	6.6	7.6	6.8
36.0	4.0	4.7	5.4	6.3	6.8
38.0	3.0	3.8	4.4	5.2	5.6
40.0		2.8	3.5	4.2	4.5
42.0				3.2	
θ (°)	59 ~ 83	59 ~ 83	61 ~ 83	62 ~ 83	64 ~ 83
F	65t hook (940kg)				
H	3part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LD 1.8m + 29m luffing jib

Unit: ton

18.1m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
12.0	27.0				
14.0	27.0				
16.0	25.9	23.0			
18.0	25.2	23.0			
20.0	23.5	22.2			
22.0	20.1	21.3	19.5		
24.0	17.2	18.5	18.5		
26.0	14.8	16.0	17.1	14.0	
28.0	12.9	13.9	14.9	14.0	
30.0	11.2	12.1	13.0	13.3	10.7
32.0	9.8	10.6	11.3	12.4	10.3
34.0	8.6	9.2	9.9	10.8	10.1
36.0	7.5	8.1	8.6	9.4	
38.0	6.5	7.0	7.5	8.1	
40.0	5.7	6.1	6.5		
42.0	4.9	5.3	5.5		
44.0	4.3	4.5			
θ (°)	23 ~ 83	27 ~ 83	33 ~ 83	51 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

22.6m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
14.0	25.0				
16.0	25.0				
18.0	24.8	22.8			
20.0	22.3	22.0			
22.0	18.7	20.5	20.0		
24.0	15.9	17.4	19.0		
26.0	13.5	14.9	16.3		
28.0	11.6	12.8	14.0	15.0	
30.0	9.9	11.0	12.1	13.6	
32.0	8.5	9.5	10.4	11.8	10.9
34.0	7.3	8.2	9.0	10.2	10.7
36.0	6.2	7.0	7.7	8.7	9.5
38.0	5.3	6.0	6.6	7.5	
40.0	4.5	5.0	5.6	6.3	
42.0	3.7	4.2	4.7	5.2	
44.0	3.0	3.5	3.8		
46.0	2.3	2.7	3.0		
48.0		2.0			
θ (°)	28 ~ 83	28 ~ 83	34 ~ 83	48 ~ 83	66 ~ 83
F	65t hook (940kg)				
H	4part-line				

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	16.8				
18.0	16.8				
20.0	16.8	16.8			
22.0	16.8	16.8			
24.0	15.4	16.8	16.8		
26.0	13.1	14.7	16.2		
28.0	11.2	12.5	13.9		
30.0	9.5	10.7	12.0	13.3	
32.0	8.1	9.2	10.3	11.8	
34.0	6.9	7.9	8.9	10.2	10.7
36.0	5.8	6.7	7.6	8.8	9.6
38.0	4.8	5.7	6.5	7.5	8.2
40.0	4.0	4.8	5.5	6.4	7.0
42.0	3.2	3.9	4.6	5.3	
44.0	2.5	3.2	3.7	4.4	
46.0		2.4	3.0	3.5	
48.0			2.2	2.7	
θ (°)	46 ~ 83	47 ~ 83	48 ~ 83	51 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
16.0	11.0				
18.0	11.0				
20.0	11.0				
22.0	11.0	11.0			
24.0	11.0	11.0			
26.0	11.0	11.0	11.0		
28.0	10.8	11.0	11.0		
30.0	9.2	10.5	11.0		
32.0	7.8	9.0	10.1	11.0	
34.0	6.6	7.6	8.7	10.1	8.5
36.0	5.5	6.5	7.4	8.7	8.4
38.0	4.5	5.4	6.3	7.4	8.2
40.0	3.7	4.5	5.3	6.3	7.0
42.0	2.9	3.7	4.4	5.3	5.8
44.0	2.1	3.0	3.6	4.4	
46.0		2.2	2.8	3.5	
48.0			2.0	2.7	
θ (°)	50 ~ 83	52 ~ 83	53 ~ 83	56 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LD 1.8m + 29m luffing jib

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	9.0				
20.0	9.0				
22.0	9.0	8.4			
24.0	9.0	8.4			
26.0	9.0	8.4	8.4		
28.0	9.0	8.4	8.4		
30.0	8.8	8.4	8.4		
32.0	7.5	8.4	8.4	7.8	
34.0	6.3	7.4	8.4	7.8	
36.0	5.2	6.3	7.2	7.8	7.0
38.0	4.3	5.2	6.1	7.3	7.0
40.0	3.4	4.3	5.1	6.2	7.0
42.0	2.6	3.5	4.2	5.2	5.8
44.0		2.7	3.4	4.3	4.8
46.0			2.7	3.5	
48.0				2.7	
θ (°)	56 ~ 83	57 ~ 83	58 ~ 83	60 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	8.0				
22.0	8.0				
24.0	8.0	8.0			
26.0	8.0	8.0			
28.0	8.0	8.0	8.0		
30.0	8.0	8.0	8.0		
32.0	7.2	8.0	8.0		
34.0	6.0	7.2	8.0	7.0	
36.0	4.9	6.0	7.1	7.0	
38.0	4.0	5.0	6.0	7.0	6.0
40.0	3.1	4.1	5.0	6.1	6.0
42.0		3.3	4.1	5.1	5.8
44.0			3.3	4.2	4.8
46.0				3.4	3.9
48.0				2.6	
θ (°)	60 ~ 83	61 ~ 83	62 ~ 83	63 ~ 83	65 ~ 83
F	25t hook (730kg)				
H	2part-line				

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.6				
22.0	6.6				
24.0	6.6				
26.0	6.6	6.4			
28.0	6.5	6.3			
30.0	6.3	6.1	6.1		
32.0	6.0	6.0	6.0		
34.0	5.8	5.9	5.9	5.4	
36.0	4.7	5.8	5.8	5.4	
38.0	3.8	4.8	5.7	5.4	4.2
40.0		3.9	4.8	5.3	4.2
42.0			3.9	5.0	4.2
44.0			3.1	4.1	4.2
46.0				3.3	3.9
48.0					3.0
θ (°)	64 ~ 83	65 ~ 83	65 ~ 83	66 ~ 83	67 ~ 83
F	25t hook (730kg)				
H	2part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LD 1.8m + 37m luffing jib

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
18.0	8.5				
20.0	8.5				
22.0	8.5				
24.0	8.5	8.5			
26.0	8.5	8.5			
28.0	8.5	8.5			
30.0	8.5	8.5	8.4		
32.0	8.5	8.5	8.2		
34.0	8.2	8.5	8.0		
36.0	7.1	8.3	7.8	7.2	
38.0	6.1	7.2	7.6	7.0	
40.0	5.3	6.3	7.2	6.8	
42.0	4.5	5.4	6.3	6.7	5.9
44.0	3.8	4.6	5.4	6.5	5.8
46.0	3.2	3.9	4.7	5.7	5.6
48.0	2.6	3.3	4.0	4.8	5.5
50.0	1.9	2.7	3.3	4.1	
55.0				2.4	
θ (°)	44 ~ 83	48 ~ 83	52 ~ 83	54 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	7.4				
22.0	7.4				
24.0	7.4				
26.0	7.4	7.4			
28.0	7.4	7.4			
30.0	7.4	7.4	7.4		
32.0	7.4	7.4	7.4		
34.0	7.4	7.4	7.4		
36.0	6.8	7.4	7.4		
38.0	5.8	7.0	7.4	6.7	
40.0	5.0	6.0	7.0	6.4	
42.0	4.2	5.2	6.1	6.2	5.5
44.0	3.5	4.4	5.3	6.0	5.3
46.0	2.9	3.7	4.5	5.6	5.3
48.0	2.2	3.1	3.8	4.8	5.3
50.0		2.4	3.1	4.0	4.6
55.0				2.4	
θ (°)	53 ~ 83	52 ~ 83	56 ~ 83	58 ~ 83	61 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	6.3				
22.0	6.3				
24.0	6.3				
26.0	6.3	6.3			
28.0	6.3	6.3			
30.0	6.3	6.3			
32.0	6.2	6.2	6.3		
34.0	6.1	6.1	6.3		
36.0	6.0	6.1	6.2		
38.0	5.5	6.0	6.1	6.1	
40.0	4.7	5.8	6.0	6.1	
42.0	3.9	4.9	5.9	6.0	
44.0	3.2	4.2	5.1	6.0	5.2
46.0	2.5	3.5	4.3	5.5	5.2
48.0		2.8	3.6	4.7	5.2
50.0		2.2	3.0	3.9	4.6
55.0				2.3	
θ (°)	57 ~ 83	55 ~ 83	59 ~ 83	61 ~ 83	65 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0	5.0			
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0	5.0		
36.0	5.0	5.0	5.0		
38.0	5.0	5.0	5.0		
40.0	4.4	5.0	5.0	5.0	
42.0	3.6	4.7	5.0	5.0	
44.0	2.9	3.9	4.9	5.0	
46.0		3.2	4.1	5.0	5.0
48.0		2.6	3.4	4.5	5.0
50.0			2.8	3.8	4.6
55.0				2.2	2.7
θ (°)	61 ~ 83	62 ~ 83	61 ~ 83	64 ~ 83	66 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LD 1.8m + 37m luffing jib

Unit: ton

50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.8				
26.0	3.8				
28.0	3.8				
30.0	3.8	3.8			
32.0	3.8	3.8			
34.0	3.8	3.8	3.8		
36.0	3.8	3.8	3.8		
38.0	3.8	3.8	3.8		
40.0	3.8	3.8	3.8		
42.0	3.4	3.8	3.8	3.8	
44.0		3.7	3.8	3.8	
46.0		3.1	3.7	3.8	3.3
48.0			3.3	3.7	3.3
50.0			2.7	3.6	3.3
θ (°)	64 ~ 83	65 ~ 83	66 ~ 83	70 ~ 83	73 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



Performance LD 1.8m + 45m luffing jib

Unit: ton

31.8m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
20.0	5.8				
22.0	5.8				
24.0	5.8				
26.0	5.7				
28.0	5.6	5.2			
30.0	5.5	5.2			
32.0	5.3	5.0			
34.0	5.2	4.8	4.3		
36.0	5.0	4.6	4.2		
38.0	4.9	4.5	4.1		
40.0	4.7	4.3	3.9		
42.0	4.6	4.1	3.8	3.5	
44.0	4.3	4.0	3.7	3.3	
46.0	3.7	3.9	3.6	3.3	
48.0	3.1	3.7	3.5	3.3	3.1
50.0	2.6	3.4	3.4	3.2	3.1
55.0			2.8	3.2	3.1
60.0				2.2	
θ (°)	51 ~ 83	56 ~ 83	55 ~ 83	59 ~ 83	63 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

36.3m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
22.0	5.0				
24.0	5.0				
26.0	5.0				
28.0	5.0				
30.0	5.0	5.0			
32.0	5.0	5.0			
34.0	5.0	5.0			
36.0	4.9	4.9	4.1		
38.0	4.8	4.8	4.1		
40.0	4.7	4.7	4.1		
42.0	4.6	4.6	4.1		
44.0	4.0	4.5	4.1	3.3	
46.0	3.4	4.4	4.1	3.3	
48.0	2.8	3.7	4.0	3.3	
50.0	2.2	3.1	3.9	3.2	3.0
55.0			2.6	2.9	3.0
θ (°)	54 ~ 83	59 ~ 83	62 ~ 83	68 ~ 83	72 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

40.9m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	4.2				
26.0	4.2				
28.0	4.2				
30.0	4.2	4.2			
32.0	4.2	4.2			
34.0	4.2	4.2			
36.0	4.2	4.2	4.0		
38.0	4.2	4.2	4.0		
40.0	4.2	4.2	3.9		
42.0	4.2	4.1	3.8		
44.0	3.7	4.0	3.7		
46.0	3.1	3.9	3.7	3.3	
48.0	2.4	3.5	3.6	3.2	
50.0		2.9	3.5	3.2	3.0
55.0			2.4	3.1	3.0
60.0					2.6
θ (°)	60 ~ 83	61 ~ 83	61 ~ 83	66 ~ 83	67 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

Unit: ton

45.4m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
24.0	3.5				
26.0	3.5				
28.0	3.5				
30.0	3.5				
32.0	3.5	3.5			
34.0	3.5	3.5			
36.0	3.5	3.5			
38.0	3.5	3.5	3.5		
40.0	3.5	3.5	3.5		
42.0	3.5	3.5	3.5		
44.0	3.4	3.5	3.5		
46.0	2.7	3.5	3.5	3.0	
48.0		3.2	3.5	3.0	
50.0		2.6	3.4	3.0	
55.0				3.0	2.7
60.0					2.5
θ (°)	63 ~ 83	63 ~ 83	67 ~ 83	68 ~ 83	69 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



AR-1600M-1 / LJ -02

Performance LD 1.8m + 45m luffing jib

Unit: ton

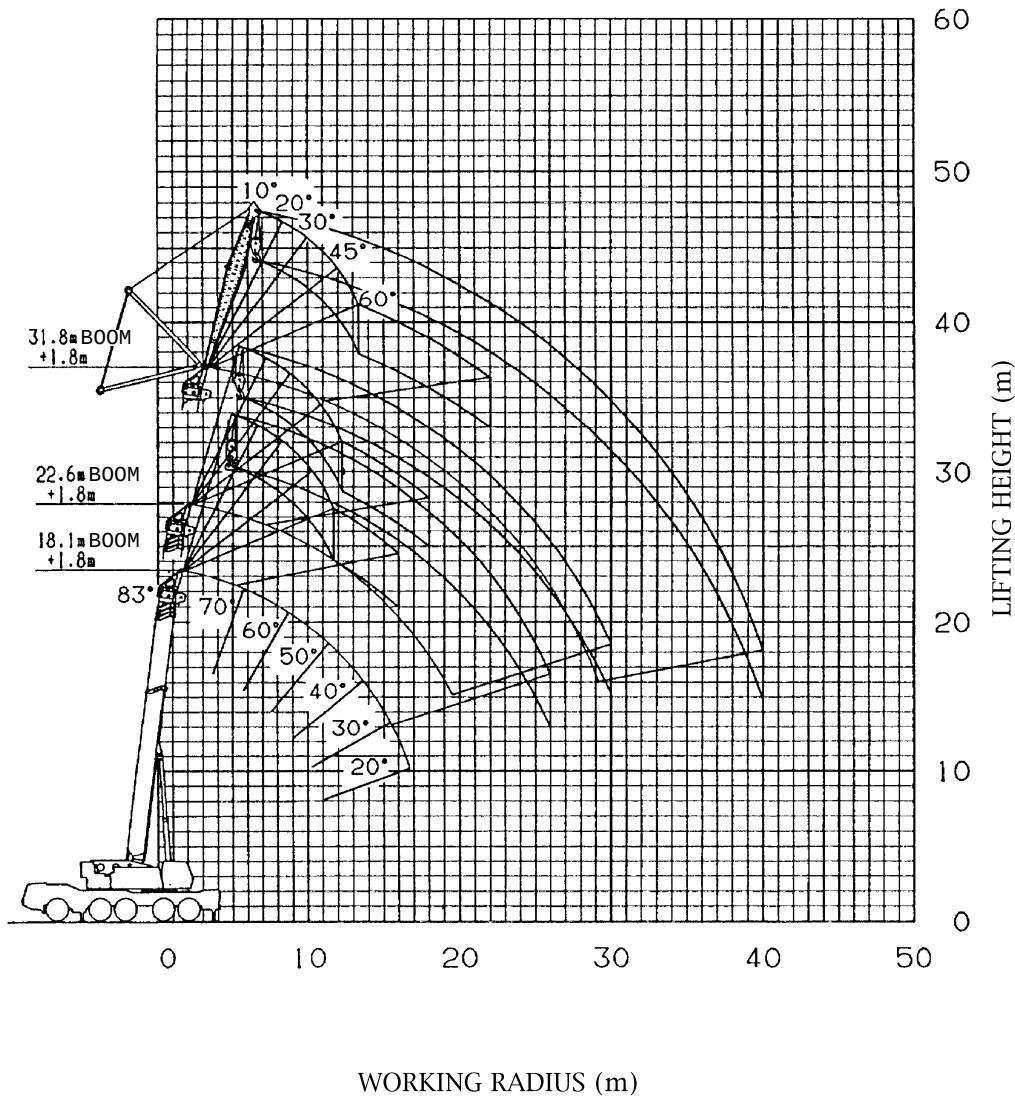
50.0m boom					
B (m)	Offset				
	10 °	20 °	30 °	45 °	60 °
26.0	2.8				
28.0	2.8				
30.0	2.8				
32.0	2.8				
34.0	2.8	2.8			
36.0	2.8	2.8			
38.0	2.8	2.8			
40.0	2.8	2.8	2.8		
42.0	2.8	2.8	2.8		
44.0		2.8	2.8		
46.0		2.8	2.8		
48.0		2.8	2.8	2.8	
50.0			2.8	2.8	
55.0				2.8	2.3
60.0					2.3
θ (°)	68 ~ 83	68 ~ 83	68 ~ 83	69 ~ 83	71 ~ 83
F	9.4t hook (430kg)				
H	1part-line				

B= Working radius F= Standard hook H= No. of part-line



WORKING RADIUS - LIFTING HEIGHT

1.8m + 11m luffing jib

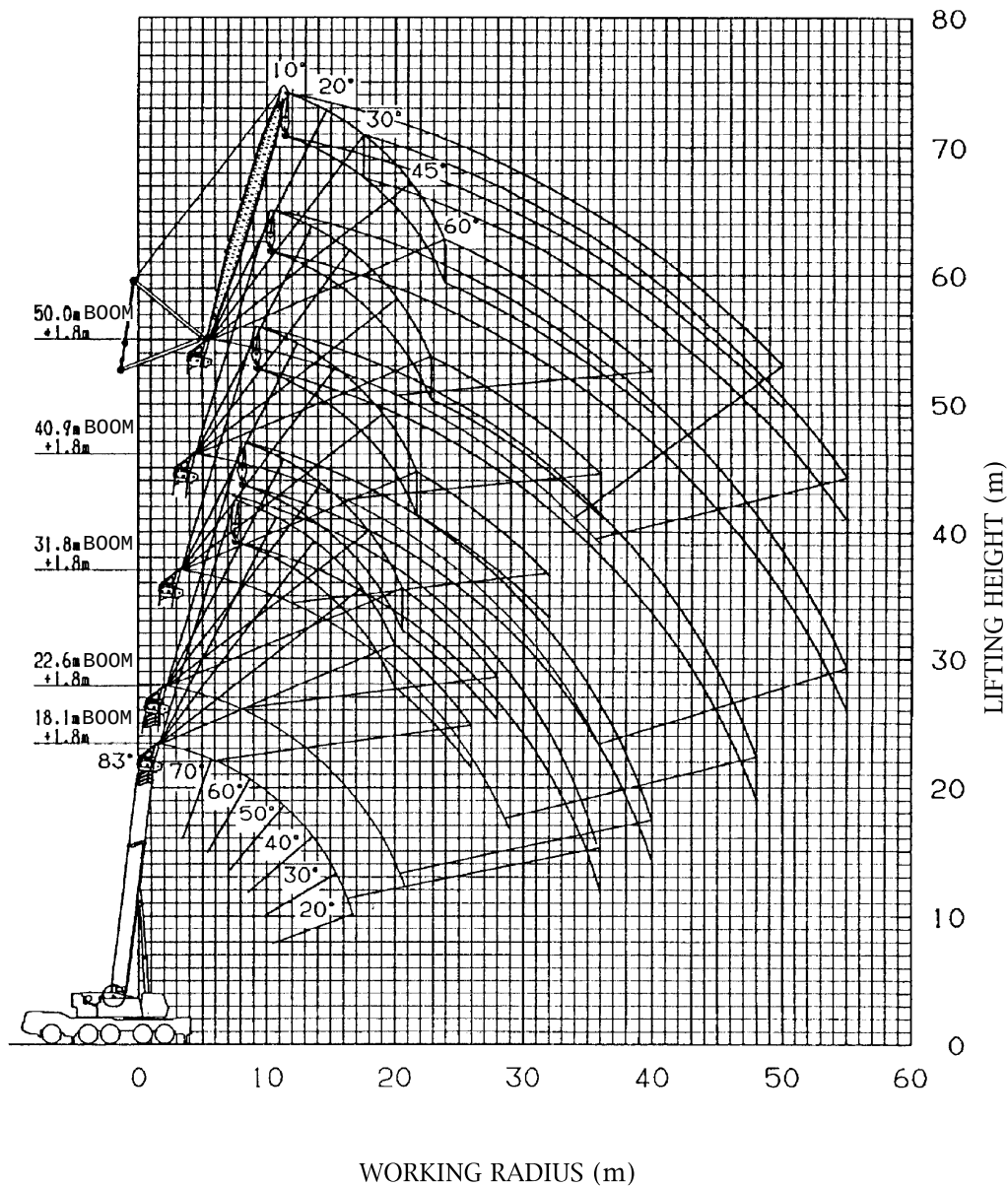


NOTES:
The deflection of the boom and the jib are not incorporated in the figure above.
The above figure is for Performance LS.



AR-1600M-1 / LJ -02

1.8m + 20m luffing jib

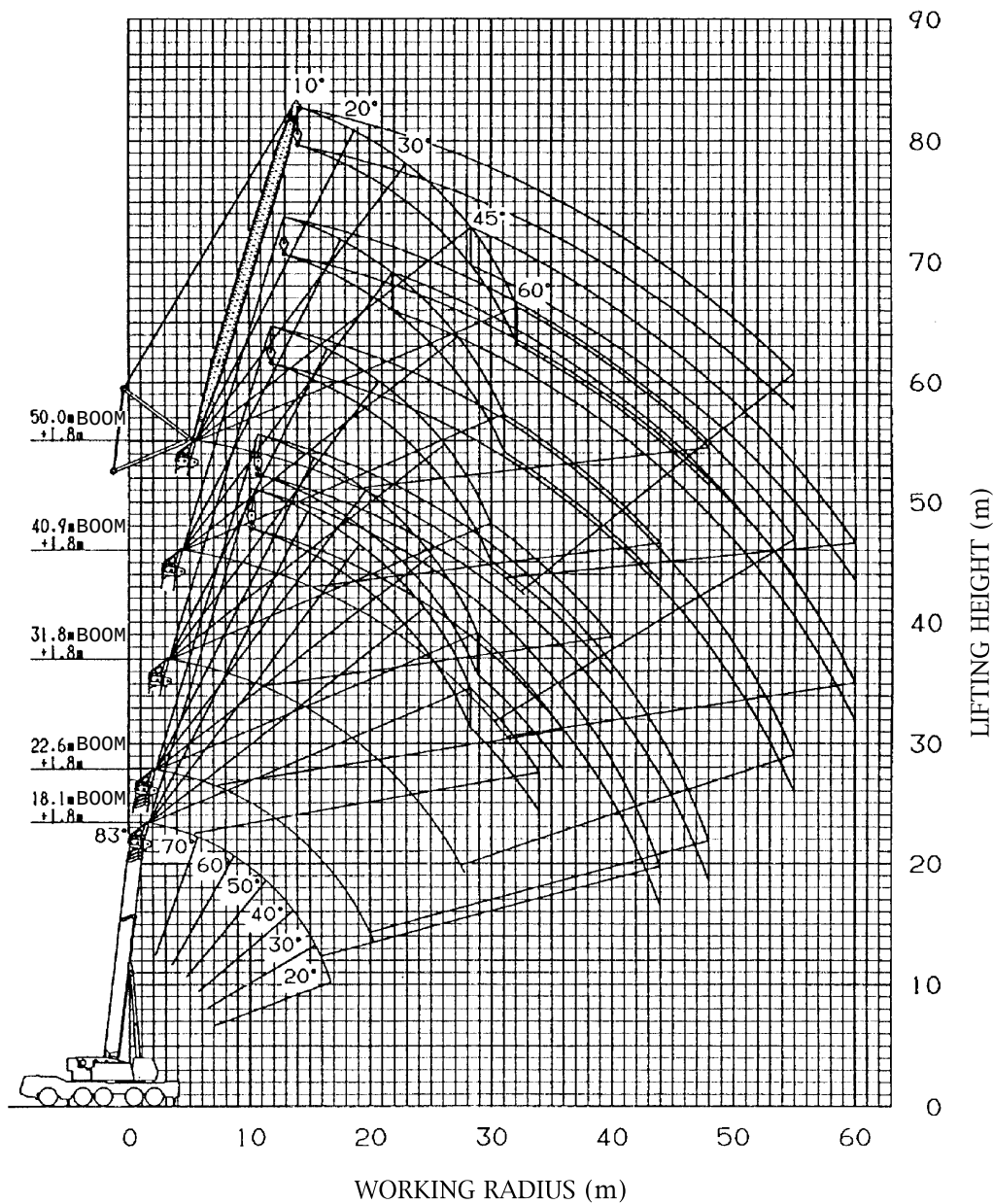


NOTES:

The deflection of the boom and the jib are not incorporated in the figure above.
The above figure is for Performance LS.



1.8m + 29m luffing jib

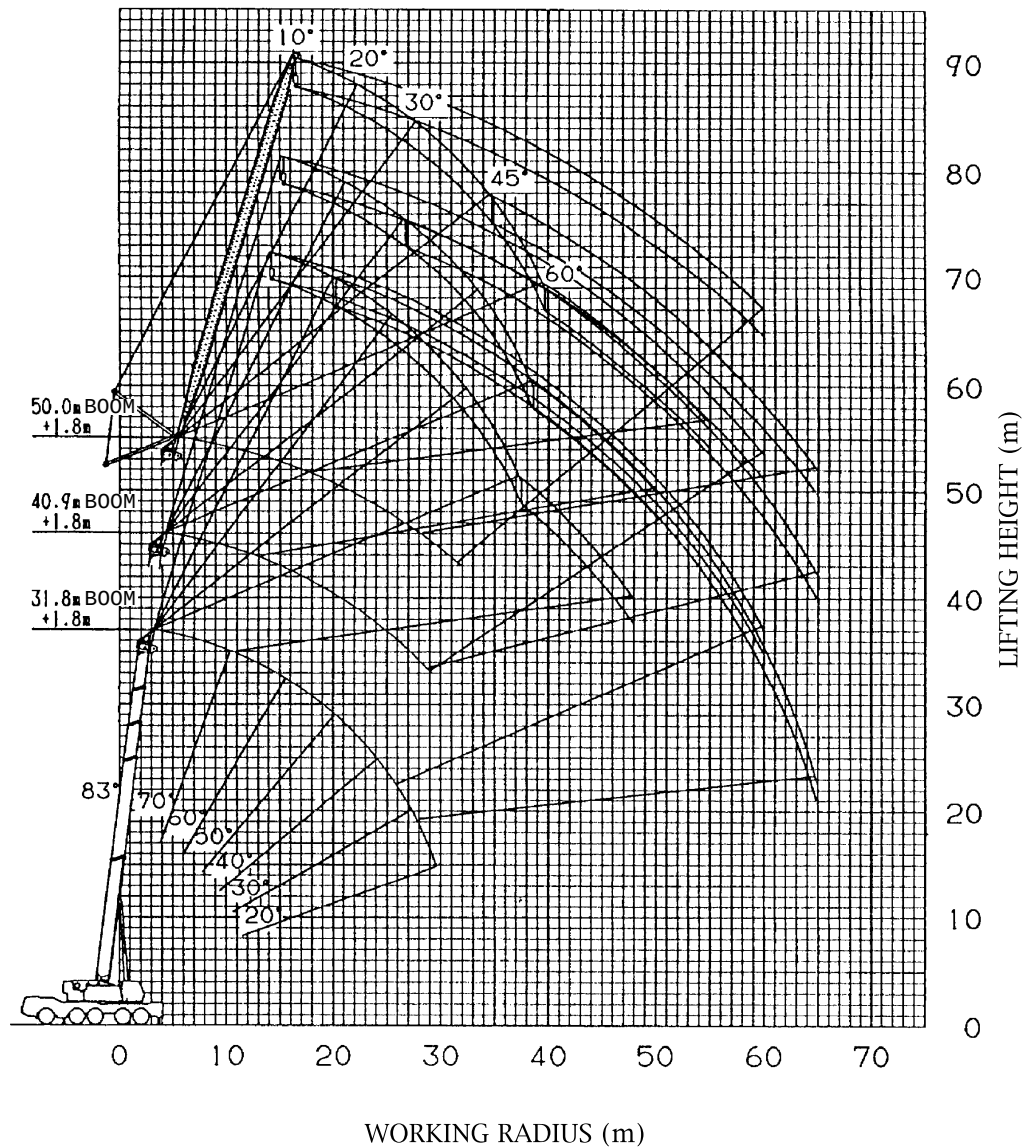


NOTES:
The deflection of the boom and the jib are not incorporated in the figure above.
The above figure is for Performance LS.



AR-1600M-1 / LJ -02

1.8m + 37m luffing jib

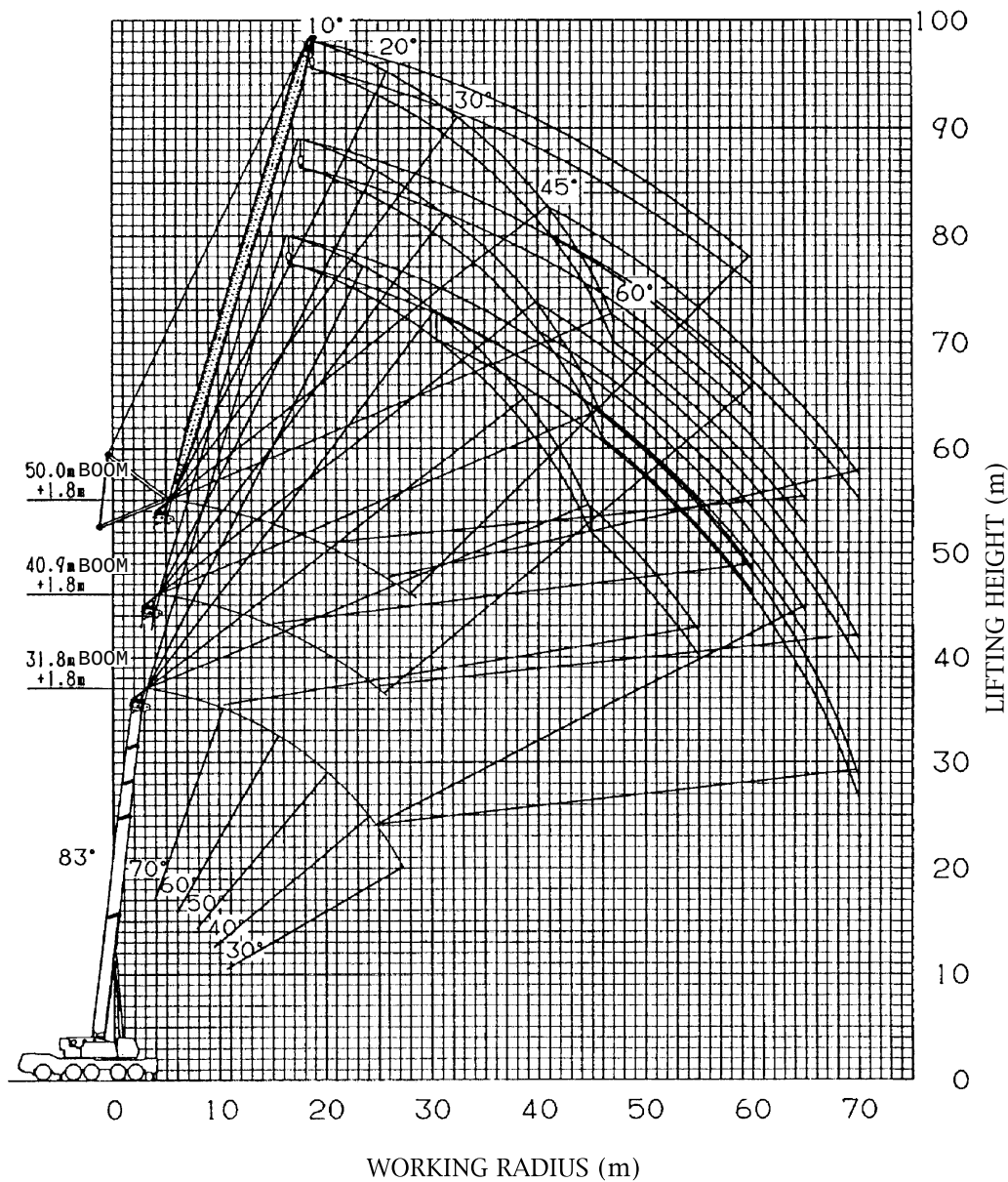


NOTES:

The deflection of the boom and the jib are not incorporated in the figure above.
The above figure is for Performance LS.



1.8m + 45m luffing jib



NOTES:
The deflection of the boom and the jib are not incorporated in the figure above.
The above figure is for Performance LS.



MEMO

This image shows a full page of a worksheet designed for handwriting practice. It consists of approximately 20 horizontal dashed lines spaced evenly across the page, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text present.