ALL TERRAIN CRANE

AR-2000M

JAPANESE SPECIFICATIONS

CARRIER MODEL	SPEC. NO.
FAUN RTF200-6	AR-2000M-2

AR

Control No. AR-2000M-2/MB-11

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AR-2000M

CRANE SPECIFICATIONS

CRANE CAPACITY

Boom

13.6m	Boom	200,000kg	at 3.0m	(22part-line)
18.1m	Boom	120,000kg	at 6.0m	(12part-line)
22.7m	Boom	120,000kg	at 5.0m	(12part-line)
31.8m	Boom	70,000kg	at 10.0m	(7part-line)
40.9m	Boom	60,000kg	at 9.0m	(6part-line)
45.5m	Boom	44,000kg	at 11.0m	(4part-line)
50.1m	Boom	35,000kg	at 12.0m	(4part-line)
Single top		11,200kg		(1part-line)

[Reference]

Fully automatic luffing jib

10.2m	Jib	22,500kg	at 18.0m	(2part-line)
17.9m	Jib	11,200kg	at 24.0m	(1,2part-line)
25.7m	Jib	7,000kg	at 22.0m	(1,2part-line)

Luffing jib

13m	Jib	84,000kg	at 8.0m	(8part-line)
22m	Jib	55,000kg	at 9.0m	(5part-line)
31m	Jib	34,000kg	at 14.0m	(4part-line)
40m	Jib	11,200kg	at 46.0m	(1part-line)
*53m	Jib	6,600kg	at 55.0m	(1part-line)
*58m	Jib	4,600kg	at 65.0m	(1part-line)

For the * mark, luffing jib (40m) + extension jib

MAX.LIFTING HEIGHT

Boom 51.0m

[Reference] Fully automatic luffing jib 79.0m

[Reference] Luffing jib 93.0m

109.0m (luffing jib + extension jib)

MAX.WORKING RADIUS

Boom 46.0m

[Reference] Fully automatic luffing jib 60.0m

[Reference] Luffing jib 70.0m

80.0m (luffing jib + extension jib)

BOOM LENGTH

13.6m – 50.1m

BOOM EXTENSION SPEED

36.5m/210s

MAIN WINCH SINGLE LINE SPEED

150m/min (5th layer)

AUXILIARY WINCH SINGLE LINE SPEED

150m/min (5th layer)

BOOM ELEVATION ANGLE

-1.5 ° – 83 °

BOOM ELEVATION SPEED

-1.5 ° – 83 °/115s

SWING ANGLE

360 ° continue

SWING SPEED

1.4/1.0rpm

WIRE ROPE

Main Winch

24mm x 370m (Diameter x Length)

Anti-rotate wire rope

Auxiliary Winch

24mm x 330m (Diameter x Length)

Anti-rotate wire rope

HOOK

200t	hook	(22part-line)(with attachment sling)
120t	hook	(12part-line)
80t	hook	(7part-line)
25t	hook	(3part-line)
11.2t	hook	(1part-line)

BOOM

5-section hydraulically telescoping boom of box construction

Two telescoping methods selection type

Telescoping method I

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

Telescoping method II

(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

Roller type 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.

COUNTERWEIGHT

63t, 42t, 22t, 10t

ENGINE FOR CRANE

Engine exclusive to upper component operation

Model MITSUBISHI MOTOR CORPORATION 6D24-T

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

Piston displacement 11,945cc with turbo charger

Max. output 255PS at 1,800rpm

Max. torque 105kg·m at 1,400rpm

FUEL TANK CAPACITY

280 liters

HYDRAULIC PUMPS

2 variable piston pumps and 2 variable gear pumps

HYDRAULIC OIL TANK CAPACITY

Upper 1,680 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

Battery operated amplifier

CARRIER SPECIFICATIONS

MANUFACTURER
FAUN GmbH

CARRIER MODEL
RTF 200-6

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
12 x 6
12 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

BRAKE SYSTEM
Service Brake
Air brake on all wheels
2 circuits
Parking Brake
Spring brake, acting on the 3rd, 4th, 5th, 6th axles (8 wheels)
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
445/95R25 177E (16.00R25) (all wheels)

WHEEL
11.25–25 (all wheels)

STANDARD EQUIPMENT
Car air conditioner
FM radio
Mud guard
Centralized lubrication unit
Bed for napping

GENERAL DATA

DIMENSIONS (CARRIER ONLY)

Overall length	14,250mm
Overall width	3,000mm
Overall height	2,775mm
Wheel base	2,850mm + 1,700mm + 1,750mm + 1,650mm + 1,700mm
Tread	2,557mm

WEIGHTS (CARRIER ONLY)

Gross vehicle weight		
Total		44,600kg (Two-man type)
Front:	1st + 2nd axles	18,480kg
Rear:	3rd axle	3,900kg
	4th + 5th axles	13,220kg
	6th axle	9,000kg

PERFORMANCE (CARRIER ONLY)

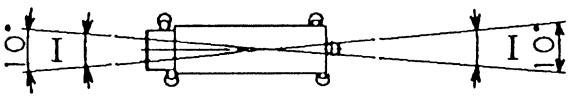
Max. traveling speed	60km/h
Gradeability (tan θ)	0.70
Min. turning radius	
8-wheel steering	11.9m

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 (200t hook with attachment: 2,700kg, 120t hook: 2,100kg, 80t hook: 1,360kg, 11.2t hook: 430kg) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection of the boom.
4. The table below shows the classification of Performances A to I, ES and FS of the total rated load.

Counterweight / Outrigger extension width	63t	42t	22t	10t	0t
8.8m	A	B	D	E (ES)	F (FS)
8.0m	B	C	E	F	G
6.8m	C	E	F	G	H
5.6m	–	F	G	H	H
2.7m	–	–	–	–	I

- ES and FS are the performances in the condition of extending the boom by telescoping method II (extending 3rd, 4th and top boom section).
- Performance H shall apply to the 13.6m boom – 18.1m boom.
- Performance I shall apply only to the 13.6m 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 11.25t for both the main winch and the auxiliary winch.

A	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
H	(22)12	12	12	7	6	4	4

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

For 22 part lines in parentheses, the attachment 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 chart below.

Boom length	Over 13.6m up to 18.2m	Over 18.3m up to 50.1m
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 11.2t.
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	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	200.0	120.0					
3.5m	179.6	120.0					
4.0m	166.0	120.0	120.0				
4.5m	154.3	120.0	120.0				
5.0m	144.2	120.0	120.0	70.0			
6.0m	127.4	120.0	117.0	70.0			
7.0m	113.7	107.7	103.2	70.0	60.0		
8.0m	100.4	97.2	91.9	70.0	60.0	44.0	35.0
9.0m	90.2	85.3	82.5	70.0	60.0	44.0	35.0
10.0m	80.1	76.7	74.7	70.0	57.0	44.0	35.0
11.0m	66.9	69.9	68.1	62.0	53.0	44.0	35.0
12.0m		62.7	61.5	57.5	49.0	41.0	35.0
14.0m		51.4	50.2	49.5	43.0	36.5	34.2
16.0m			41.8	43.0	37.5	32.0	30.0
18.0m			35.2	37.5	33.0	28.8	26.8
20.0m			27.7	32.0	29.5	26.2	24.0
22.0m				28.0	26.0	23.8	21.5
24.0m				24.3	23.5	21.7	19.5
26.0m				21.0	22.0	19.6	17.5
28.0m				18.4	19.7	17.8	16.0
30.0m					17.5	16.3	14.9
32.0m					15.5	14.9	13.7
34.0m					13.7	14.0	12.7
36.0m					12.3	12.7	11.7
38.0m					11.0	11.4	11.0
40.0m						10.0	10.1
42.0m						8.8	9.2
44.0m							8.2
46.0m							7.2
θ (°)	0～83	0～83	0～83	0～83	0～83	0～83	12～83

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

Unit : ton

Performance B							
A / B	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	195.0	120.0					
3.5m	178.0	120.0					
4.0m	166.0	120.0	120.0				
4.5m	148.0	120.0	120.0				
5.0m	133.0	120.0	120.0	70.0			
6.0m	113.0	112.0	112.0	70.0			
7.0m	98.6	97.4	96.3	70.0	60.0		
8.0m	85.1	83.8	82.8	70.0	60.0	44.0	35.0
9.0m	74.4	73.1	72.0	70.0	60.0	44.0	35.0
10.0m	65.8	64.5	63.4	63.7	57.0	44.0	35.0
11.0m	58.7	57.3	56.3	58.4	53.0	44.0	35.0
12.0m		51.3	50.3	52.8	49.0	41.0	35.0
14.0m		41.8	40.8	43.3	42.2	36.5	34.2
16.0m			33.9	35.8	36.7	32.0	30.0
18.0m			28.7	30.6	31.5	28.8	26.8
20.0m			23.9	26.1	27.2	26.2	24.0
22.0m				21.9	23.0	23.6	21.5
24.0m				18.6	19.6	20.2	19.5
26.0m				15.9	16.9	17.4	17.5
28.0m				13.6	14.6	15.1	15.3
30.0m					12.6	13.1	13.3
32.0m					11.0	11.4	11.6
34.0m					9.5	10.0	10.2
36.0m					8.3	8.7	8.9
38.0m					7.3	7.6	7.8
40.0m						6.5	6.8
42.0m						5.5	5.7
44.0m							4.8
46.0m							4.0
θ (°)	0～83	0～83	0～83	0～83	0～83	0～83	12～83

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

Unit : ton

Performance C							
A / B	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	193.0	120.0					
3.5m	176.0	120.0					
4.0m	162.0	120.0	120.0				
4.5m	148.0	120.0	120.0				
5.0m	133.0	120.0	120.0	70.0			
6.0m	110.0	109.0	108.0	70.0			
7.0m	96.9	95.9	95.0	70.0	60.0		
8.0m	85.1	83.8	82.8	70.0	60.0	44.0	35.0
9.0m	74.4	73.1	72.0	70.0	60.0	44.0	35.0
10.0m	65.8	64.5	63.4	63.7	57.0	44.0	35.0
11.0m	58.7	57.3	56.3	58.4	53.0	44.0	35.0
12.0m		51.3	50.3	52.8	49.0	41.0	35.0
14.0m		41.4	40.6	42.6	42.2	36.5	34.2
16.0m			33.9	35.8	36.7	32.0	30.0
18.0m			27.1	29.6	30.7	28.8	26.8
20.0m			22.0	24.3	25.5	26.1	24.0
22.0m				20.3	21.4	21.9	21.5
24.0m				17.0	18.1	18.6	18.9
26.0m				14.4	15.4	15.9	16.2
28.0m				12.2	13.2	13.7	13.9
30.0m					11.3	11.8	12.0
32.0m					9.7	10.2	10.4
34.0m					8.4	8.8	9.0
36.0m					7.2	7.6	7.8
38.0m					6.1	6.5	6.7
40.0m						5.4	5.7
42.0m						4.4	4.7
44.0m							3.8
46.0m							3.0
θ (°)	0～83	0～83	0～83	0～83	0～83	0～83	12～83

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

Unit : ton

Performance D							
A / B	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	192.0	120.0					
3.5m	172.0	120.0					
4.0m	151.0	120.0	120.0				
4.5m	136.0	120.0	120.0				
5.0m	126.0	120.0	120.0	70.0			
6.0m	104.0	103.0	102.0	70.0			
7.0m	88.1	86.9	85.8	70.0	60.0		
8.0m	75.8	74.6	73.5	70.0	60.0	44.0	35.0
9.0m	66.1	64.8	63.8	64.7	60.0	44.0	35.0
10.0m	58.2	57.0	55.9	58.5	56.1	44.0	35.0
11.0m	51.1	50.0	49.1	51.6	52.1	44.0	35.0
12.0m		44.9	44.0	46.0	46.9	41.0	35.0
14.0m		33.9	32.8	35.5	36.7	36.5	34.2
16.0m			25.2	27.7	28.9	29.6	29.8
18.0m			19.8	22.2	23.3	23.9	24.2
20.0m			15.7	18.0	19.1	19.7	19.9
22.0m				14.7	15.8	16.3	16.6
24.0m				12.1	13.1	13.6	13.9
26.0m				9.9	10.9	11.4	11.7
28.0m				8.1	9.1	9.6	9.8
30.0m					7.5	8.0	8.2
32.0m					6.2	6.6	6.9
34.0m					5.0	5.4	5.7
36.0m					3.8	4.3	4.6
38.0m					2.8	3.2	3.5
40.0m							2.6
θ (°)	0～83	0～83	0～83	0～83	0～83	23～83	33～83

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

Unit : ton

Performance E							
A / B	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	187.0	120.0					
3.5m	162.0	120.0					
4.0m	142.0	120.0	120.0				
4.5m	126.0	120.0	120.0				
5.0m	114.0	113.0	112.1	70.0			
6.0m	94.3	93.3	92.4	70.0			
7.0m	79.9	78.9	78.1	70.0	60.0		
8.0m	69.0	68.0	67.1	69.2	60.0	44.0	35.0
9.0m	60.3	59.3	58.4	60.5	60.0	44.0	35.0
10.0m	52.9	51.2	49.8	53.0	54.4	44.0	35.0
11.0m	44.1	42.4	41.1	44.2	45.6	44.0	35.0
12.0m		35.8	34.5	37.4	38.8	39.5	35.0
14.0m		26.3	25.2	27.9	29.1	29.8	30.1
16.0m			18.7	21.4	22.6	23.2	23.5
18.0m			13.9	16.5	17.7	18.3	18.6
20.0m			10.4	12.8	14.0	14.6	14.8
22.0m				9.9	11.1	11.6	11.9
24.0m				7.7	8.8	9.3	9.6
26.0m				5.9	6.9	7.4	7.7
28.0m				4.4	5.4	5.9	6.1
30.0m					4.1	4.6	4.8
32.0m					2.8	3.4	3.7
34.0m						2.2	2.5
θ (°)	0～83	0～83	0～83	0～83	32～83	38～83	44～83

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

Unit : ton

Performance ES							
A / B	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	187.0	70.0					
3.5m	162.0	70.0					
4.0m	142.0	70.0	70.0				
4.5m	126.0	70.0	70.0				
5.0m	114.0	70.0	70.0	60.0			
6.0m	94.3	70.0	70.0	60.0			
7.0m	79.9	70.0	70.0	60.0	35.0		
8.0m	69.0	68.0	67.1	60.0	35.0	35.0	35.0
9.0m	60.3	59.3	58.4	54.6	35.0	35.0	35.0
10.0m	52.9	51.2	49.8	50.0	35.0	35.0	35.0
11.0m	44.1	46.1	47.0	44.2	35.0	35.0	35.0
12.0m		39.3	40.2	41.4	35.0	35.0	35.0
14.0m		29.7	30.4	31.6	31.4	31.1	30.1
16.0m			23.9	24.9	25.3	24.4	23.5
18.0m			19.1	20.1	20.5	19.6	18.6
20.0m			15.5	16.3	16.6	15.8	14.8
22.0m				13.3	13.7	12.8	11.9
24.0m				11.0	11.3	10.5	9.6
26.0m				9.1	9.4	8.6	7.7
28.0m				7.6	7.8	7.0	6.1
30.0m					6.5	5.7	4.8
32.0m					5.4	4.5	3.7
34.0m					4.5	3.6	2.5
36.0m					3.6		
θ (°)	0～83	0～83	0～83	0～83	14～83	35～83	44～83
	Boom stage telescoping condition (%)						
2nd boom	0	0	0	0	0	50	100
3rd boom	0	16	33	66	100	100	100
4th boom	0	16	33	66	100	100	100
Topboom	0	16	33	66	100	100	100

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

Unit : ton

Performance F							
A / B	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	170.0	120.0					
3.5m	155.0	120.0					
4.0m	140.0	120.0	120.0				
4.5m	124.0	120.0	120.0				
5.0m	111.0	110.0	109.0	70.0			
6.0m	91.6	90.4	89.4	70.0			
7.0m	77.1	75.9	74.9	70.0	60.0		
8.0m	60.8	60.1	59.7	65.4	60.0	44.0	35.0
9.0m	47.2	46.4	45.9	51.3	55.2	44.0	35.0
10.0m	37.9	37.0	36.5	41.4	44.7	44.0	35.0
11.0m	31.1	30.2	29.6	34.1	37.1	38.0	35.0
12.0m		24.4	23.8	28.4	31.3	32.0	32.3
14.0m		16.5	15.8	19.8	22.4	23.4	23.8
16.0m			10.7	14.3	16.6	17.6	18.0
18.0m			7.0	10.3	12.5	13.3	13.9
20.0m			4.4	7.4	9.4	10.2	10.8
22.0m				5.2	7.0	7.8	8.3
24.0m				3.4	5.1	5.8	6.4
26.0m				2.0	3.6	4.3	4.7
θ (°)	0～83	0～83	0～83	31～83	47～83	54～83	58～83

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

Unit : ton

Performance FS							
A / B	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	170.0	70.0					
3.5m	155.0	70.0					
4.0m	140.0	70.0	70.0				
4.5m	124.0	70.0	70.0				
5.0m	111.0	70.0	70.0	60.0			
6.0m	91.6	70.0	70.0	60.0			
7.0m	77.1	70.0	70.0	60.0	35.0		
8.0m	60.8	60.1	59.7	60.0	35.0	35.0	35.0
9.0m	47.2	55.7	56.7	51.3	35.0	35.0	35.0
10.0m	37.9	45.3	46.2	47.6	35.0	35.0	35.0
11.0m	31.1	37.6	38.5	39.9	35.0	35.0	35.0
12.0m		31.8	32.7	34.0	34.4	33.5	32.3
14.0m		23.2	24.1	25.3	25.8	24.8	23.8
16.0m			18.2	19.3	19.7	18.8	18.0
18.0m			14.0	15.0	15.4	14.5	13.9
20.0m			11.0	11.8	12.2	11.3	10.8
22.0m				9.4	9.8	8.9	8.3
24.0m				7.5	7.8	7.0	6.4
26.0m				5.9	6.2	5.4	4.7
28.0m				4.7	4.9	4.1	
30.0m					3.8	3.0	
32.0m					2.9		
θ (°)	0～83	0～83	0～83	0～83	30～83	44～83	58～83
	Boom stage telescoping condition (%)						
2nd boom	0	0	0	0	0	50	100
3rd boom	0	16	33	66	100	100	100
4th boom	0	16	33	66	100	100	100
Top boom	0	16	33	66	100	100	100

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

Unit : ton

Performance G							
B \ A	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	50.1m
3.0m	165.0	120.0					
3.5m	150.0	120.0					
4.0m	137.0	120.0	120.0				
4.5m	124.0	120.0	120.0				
5.0m	111.0	110.0	109.0	70.0			
6.0m	91.6	90.4	89.4	70.0			
7.0m	75.2	74.6	74.2	70.0	60.0		
8.0m	53.3	52.5	52.0	58.9	60.0	44.0	35.0
9.0m	40.1	39.2	38.7	44.6	48.6	44.0	35.0
10.0m	31.3	30.4	29.9	35.0	38.6	40.1	35.0
11.0m	25.1	24.1	23.5	28.2	31.4	32.8	33.9
12.0m		19.4	18.8	23.1	26.0	27.3	28.2
14.0m		12.8	12.2	16.0	18.5	19.6	20.4
16.0m			7.8	11.3	13.5	14.4	15.2
18.0m			4.6	7.9	9.9	10.8	11.4
20.0m			2.4	5.3	7.2	8.0	8.6
22.0m				3.4	5.2	5.9	6.5
θ (°)	0～83	0～83	11～83	39～83	53～83	60～83	63～83

Unit : ton

Performance H		
B \ A	13.6m	18.1m
3.0m	145.0	120.0
3.5m	130.0	120.0
4.0m	117.0	116.0
4.5m	97.9	98.1
5.0m	72.7	72.7
6.0m	46.0	45.7
7.0m	32.0	31.5
8.0m	23.4	22.8
9.0m	17.6	16.9
10.0m	13.4	12.7
11.0m	10.3	9.5
12.0m		6.9
14.0m		3.3
θ (°)	0～83	24～83

Unit : ton

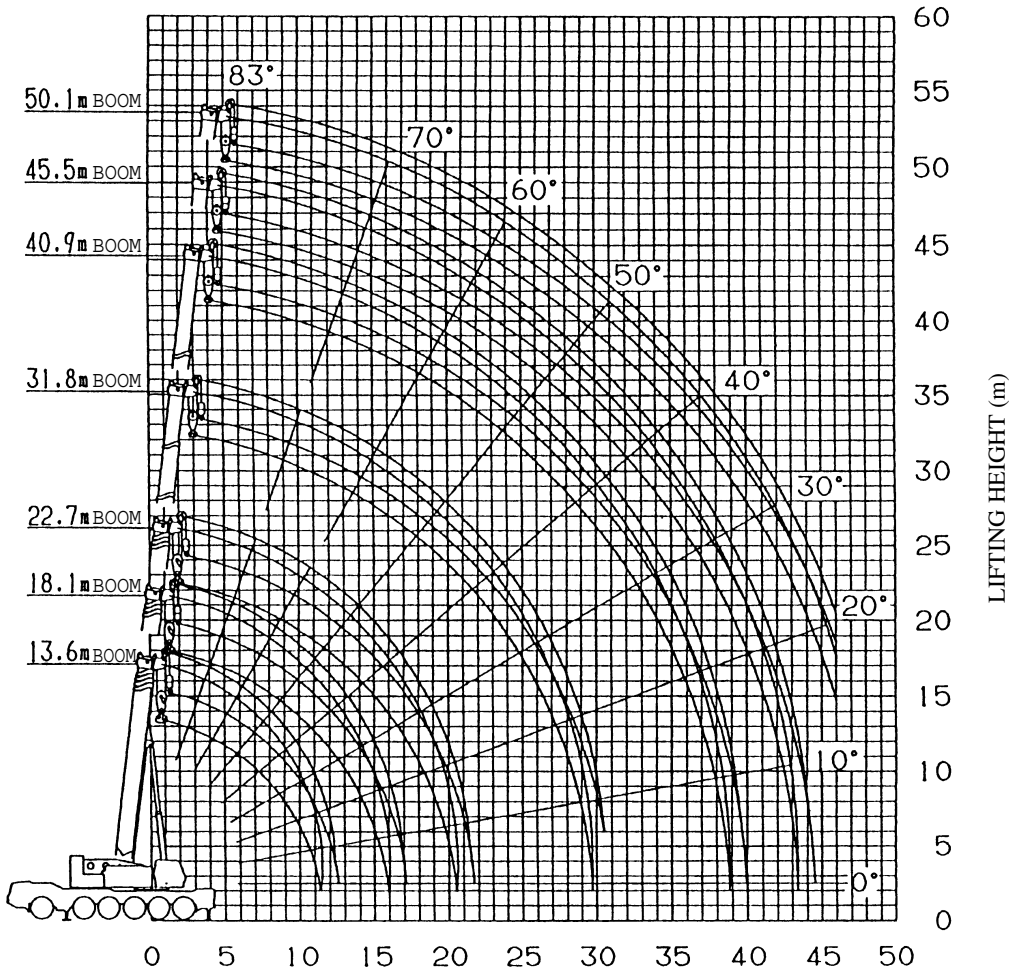
Performance I	
B \ A	13.6m
3.0m	7.0
3.5m	7.0
4.0m	7.0
4.5m	7.0
5.0m	7.0
6.0m	7.0
7.0m	7.0
8.0m	7.0
9.0m	7.0
10.0m	5.8
θ (°)	0～83

A= Boom length B= Working radius

θ = Boom angle range (for the unladen condition)

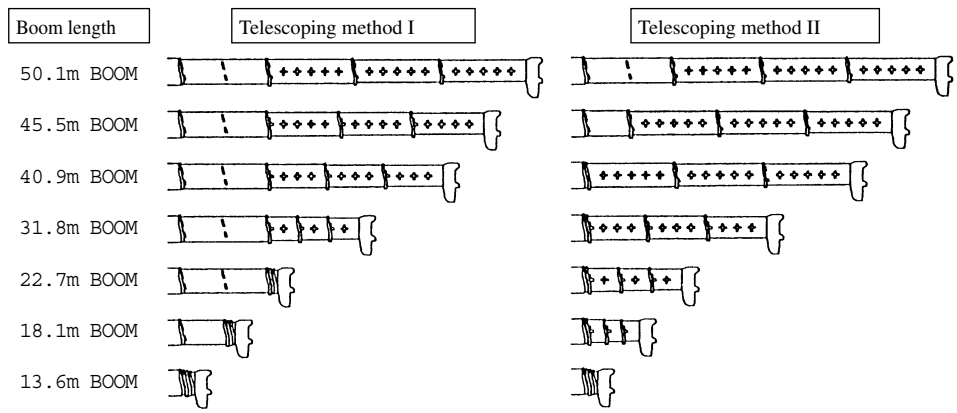
WORKING RADIUS - LIFTING HEIGHT

[BOOM]



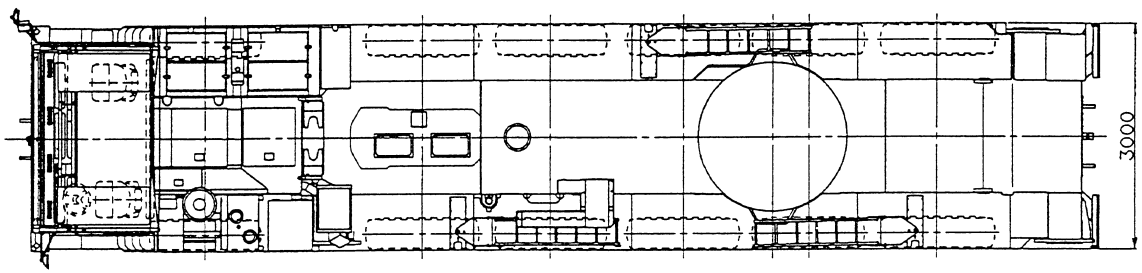
NOTES:

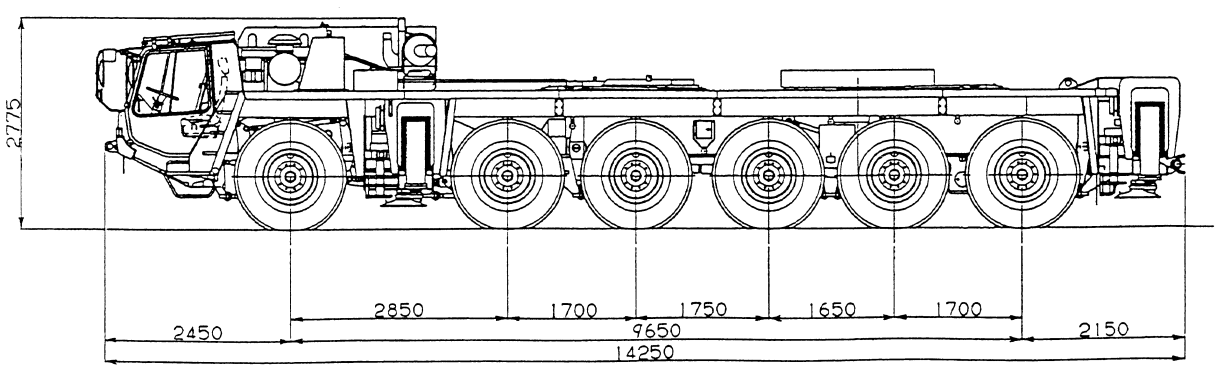
1. The deflection of the boom is not incorporated in the figure above.
   The above chart shows the maximum working radii of performance A.
2. The boom extension for each boom are as follows:



DIMENSIONS (1/100)

[On public thoroughfare traveling condition]





DIMENSIONS (1/100)

[On-site traveling condition]