

ALL TERRAIN CRANE

GA

GA-3600N

JAPANESE SPECIFICATIONS

CARRIER MODEL	SPEC. NO.
FAUN RTF300-6	GA-3600N-1-90101

Refer to the specifications in the separate sections regarding the details of fully automatic luffing jib and luffing jib.

Control No. GA-3600N-1-90101 / JA-B-01

GA-3600N

CRANE SPECIFICATIONS

CRANE CAPACITY

Boom			
13.9m	Boom	360,000kg	at 3.0m (2 x 16part-line, with auxiliary jacks)
18.2m	Boom	160,000kg	at 5.0m (14part-line)
22.4m	Boom	150,000kg	at 5.0m (13part-line)
26.7m	Boom	130,000kg	at 6.0m (11part-line)
30.9m	Boom	110,000kg	at 7.0m (9part-line)
35.2m	Boom	80,000kg	at 10.0m (7part-line)
39.4m	Boom	76,000kg	at 10.0m (7part-line)
43.7m	Boom	65,000kg	at 11.0m (6part-line)
47.9m	Boom	55,200kg	at 12.0m (6part-line)
52.2m	Boom	44,700kg	at 14.0m (5part-line)
56.4m	Boom	36,000kg	at 12.0m (4part-line)
60.0m	Boom	29,000kg	at 14.0m (3part-line)
Single top			
<Reference>			
Fully automatic luffing jib			
10.3m	Jib	41,800kg	at 14.0m (4part-line)
17.2m	Jib	16,700kg	at 30.0m (2part-line)
24.1m	Jib	16,700kg	at 20.0m (2part-line)
31.0m	Jib	10,900kg	at 24.0m (1part-line)
Luffing jib			
13m	Jib	87,000kg	at 10.0m (8part-line)
22m	Jib	56,100kg	at 9.0m (6part-line)
31m	Jib	38,000kg	at 14.0m (4part-line)
40m	Jib	23,700kg	at 22.0m (3part-line)
*53m	Jib	10,000kg	at 36.0m (1part-line)
*58m	Jib	8,000kg	at 38.0m (1part-line)
For the * mark, luffing jib (40m) + extension jib			

MAX.LIFTING HEIGHT

Boom 60.0m	
<Reference> Fully automatic luffing jib	91.0m
<Reference> Luffing jib	98.0m
115.0m (luffing jib + extension jib)	

MAX.WORKING RADIUS

Boom 58.0m	
<Reference> Fully automatic luffing jib	65.0m
<Reference> Luffing jib	80.0m
90.0m (luffing jib + extension jib)	

BOOM LENGTH

13.9m – 60.0m

BOOM EXTENSION LENGTH

46.1m

BOOM EXTENSION SPEED

46.1m/450s

MAIN WINCH SINGLE LINE WINDING SPEED

150m/min (5th layer)

MAIN WINCH HOOK SPEED

10.7 m/min (14 part-line)

AUXILIARY WINCH SINGLE LINE WINDING SPEED

150m/min (5th layer)

AUXILIARY WINCH HOOK SPEED

150 m/min (1 part-line)

BOOM ELEVATION ANGLE

-1.3 ° ~ 81.5 °

BOOM ELEVATION SPEED

-1.3 ° ~ 81.5 °/90s

SWING ANGLE

360 °continue

SWING SPEED

1.2 min⁻¹

WIRE ROPE

Main Winch

25mm x 360m (Diameter x Length)

Anti-rotate wire rope

Auxiliary Winch

25mm x 325m (Diameter x Length)

Anti-rotate wire rope

HOOK

180t	hook	(16part-line)(with attachment)
80t	hook	(7part-line)
25t	hook	(2part-line)
12.5t	hook	(1part-line)

BOOM

6-section hydraulically telescoping boom of box construction

Each stage pin lock type

BOOM EXTENSION

1 double-acting hydraulic cylinders

With flow regulator valve with pressure compensation

SINGLE TOP

Single sheave. Mounted to main boom head for single line work

HOIST

Hydraulic motor driven planetary gear reducer

Automatic brake

2-speed (high/low) selection type

2 single winches

With flow regulator valve with pressure compensation

BOOM ELEVATION

2 double-acting hydraulic cylinders

With flow regulator valve with pressure compensation

SWING

Hydraulic motor driven planetary gear reducer

Roller type swing bearing

Manual switch brake

Pneumatically operated swing lock

COUNTERWEIGHT

105t, 92t, 72t, 52t, 30t

OUTRIGGERS

Fully hydraulic H type with auxiliary jack

Slides and jacks each provided with independent operation device.

Fully extended width 8.7m

Middle extended width 8.0m, 6.8m, 5.7m

Slide lock pin provided.

Sliding storage float

ENGINE FOR CRANE

Engine exclusive to upper component operation

Model MITSUBISHI 6D24-TL

Type 4-cycle, V6-cylinder, direct-injection, water-cooled turbo diesel engine with inter cooler

Piston displacement 11.94 liters

Max. output 188kW {255PS} at 1,800min⁻¹ {rpm}

Max. torque 1,090N·m {111kgf·m} at 1,400min⁻¹ {rpm}

FUEL TANK CAPACITY

300 liters

HYDRAULIC PUMPS

2 variable high-pressure piston pumps and 3 high-pressure gear pumps

HYDRAULIC OIL TANK CAPACITY

1,327 liters

SAFETY DEVICES

Automatic moment limiter (AML)

With working range limiting function

With the hook moving length indicator

Outrigger extension automatic detector (individual detection)

Swing range controller

Swing automatic stop device

Boom elevation slow down and stop device

Winch drum lock

Over-winding cutout device

Dead winding holding device

Level gauge

Hook safety latch

Cable follower

Swing lock

Hydraulic safety valve

Hydraulic lock (elevation, telescoping, hoist, jack)

CARRIER SPECIFICATIONS

EQUIPMENT

Counterweight dismount/mount device
 Boom elevation creeping mode setting device
 Swing creeping mode setting device
 Swing frame dismount/mount device (dismounting ring)
 Boom dismount/mount device
 AML external warning lamp
 Wind velocity meter
 Oil cooler
 Air conditioner
 AM/FM radio
 Drum monitor
 Swing alarm

OPTIONAL EQUIPMENT

TV tuner
 Loud speaker

MANUFACTURER

FAUN GmbH

CARRIER MODEL

RTF 300-6

ENGINE

Model OM502LA (Benz)
 Type 4-cycle, V8-cylinder, direct-injection,
 water-cooled turbo diesel engine with inter cooler
 Piston displacement 15,928L
 Max. output 448kW {609PS} at 1,800min⁻¹ {rpm}
 Max. torque 2,700N·m {275kgf·m} at 1,200min⁻¹ {rpm}

TRANSMISSION

Fully automatic
 16-forward and 2-reverse speeds

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: +157mm/-118mm

STEERING

Type: Left-side handle
 Fully hydraulic power steering
 2 circuits
 Emergency power steering
 Mode: Normal (6 front wheels and 4 rear wheels)
 Crab (6 front wheels and 4 rear wheels)

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

600 liters

CAB

Two-man type

TIRES

445/95R25 177E ROAD (all wheels)

WHEEL

11.00-25 (all wheels)

STANDARD EQUIPMENT

Air conditioner
 AM/FM radio
 Mud guard
 Centralized lubrication unit
 Bed for napping
 Back monitor

GENERAL DATA

DIMENSIONS (CARRIER ONLY)

Overall length	15,050mm
Overall width	3,000mm
Overall height	3,200mm
Wheel base	1,650mm + 2,850mm + 1,925mm + 2,110mm + 1,700mm
Tread	2,550mm

WEIGHTS (CARRIER ONLY)

Gross vehicle weight	
Total	37,460kg (Two-man type)
Front: 1st + 2nd + 3rd axles	15,560kg
Rear: 4th + 5th + 6th axles	21,900kg

PERFORMANCE

Max. traveling speed	63km/h
Gradeability (tan θ)	0.7
Min. turning radius	11.9m

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.

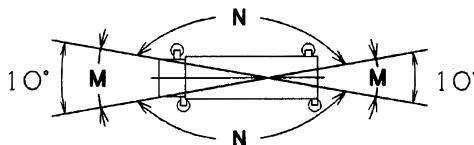
ESP BOOM TOTAL RATED LOADS CHART

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 table below shows the classification of Performances A to N of the total rated load.

Counterweight Outrigger extension width	105 t	92 t	72 t	52 t	30 t	0 t
8.7 m	A	B	C	E	G	K
8.0 m		B	C	E	I	L
6.8 m			D	F	I	L
5.7 m				H	J	L
2.7 m						M、N

Even for the same classification of Performance/boom length, the total rated load varies depending on the boom extending condition.

Performances M and N are available for the 22.4 m boom or shorter booms. The working range is as shown in the drawing on the right.



3. The weights of the slings and hooks (180t hook with attachment: 2,200kg, 180t hook: 2,100kg, 80t hook: 1,360kg, 12.5t hook: 490kg) are included in the total rated loads shown.
4. The total rated load is based on the actual working radius including the deflection of the boom.
5. The standard hook and number of part lines are shown at the bottom of the total rated loads chart.
When using with other than this number of part lines, the load per line should not exceed 123 kN {12.5 tf} for the main winch and the auxiliary winch.
A number of part lines are one (12.5t hook is used) when the single top is used.
6. The total rated load for the single top is the value obtained by subjecting the weight of the hook and the sling mounted on the boom from the total rated load of the boom, and must not exceed 12.5 t.
7. The rated total load table does not include wind effects. 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 elevating angle range under no load.

Total rated loads chart

■ Performance A
6-staged type ESP boom

G-6 rated type ESP boom																																	Unit: ton																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Performance blocks		1	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1

Note: a 105 t counterweight and 6.7 m outrigger extension width. mark is a value when the heavy load device and auxiliary jack are used.

Total rated loads chart

■ Performance B		6-staged type ESP boom																				Unit: ton													
Performance blocks		1	8	1	8	9	2	1	8	9	12	2	1	12	2	1	10	2	1	3	4	1	11	4	1	5	6	1	7						
Performance numbers		1	23	2	24	26	12	3	25	27	31	13	4	28	32	14	5	33	15	6	29	16	7	17	18	8	30	19	9	20	21	10	11	22	
Boom length (m)		13.9	18.2	18.2	22.4	22.4	22.4	22.4	26.7	26.7	26.7	30.9	30.9	30.9	30.9	35.2	35.2	35.2	39.4	39.4	43.7	47.9	47.9	52.2	52.2	56.4	60.0								
Working radius (m)		3.0	160.0	160.0	70.0																														
3.5		160.0	160.0	70.0																															
4.0		160.0	160.0	70.0	150.0	150.0	70.0	70.0	67.5																										
4.5		160.0	160.0	70.0	150.0	150.0	70.0	63.2	130.0	130.0	80.0	70.0	60.6																						
5.0		160.0	160.0	70.0	150.0	150.0	70.0	55.9	130.0	130.0	80.0	70.0	54.0	54.0	80.0	70.0	49.2	80.0	70.0	48.7	76.0	68.0	52.3												
6.0		146.0	146.3	70.0	145.8	146.1	70.0	50.1	127.2	119.8	80.0	70.0	48.7	109.8	80.0	70.0	44.1	80.0	70.0	44.3	76.0	68.0	44.1	65.0	57.4	46.9	55.2	53.1	44.4	44.7	44.3	39.8	36.0		
7.0		130.4	130.7	70.0	130.1	130.5	70.0	45.4	113.6	108.0	80.0	70.0	48.7	109.8	80.0	70.0	40.2	80.0	70.0	40.6	76.0	68.0	40.8	65.0	53.7	43.6	55.2	51.9	43.1	44.7	44.3	39.8	36.0		
8.0		116.0	116.3	64.6	115.6	116.0	70.0	40.5	113.6	108.0	80.0	70.0	48.7	109.8	80.0	70.0	33.4	79.2	70.0	37.5	72.9	68.0	40.8	65.0	53.7	43.6	55.2	51.9	43.1	44.7	44.3	39.8	36.0		
9.0		104.1	104.3	59.9	103.6	104.1	65.2	41.5	102.5	98.1	80.0	70.0	44.3	99.1	80.0	70.0	26.7	63.3	64.9	30.3	58.0	60.0	33.1	56.3	44.8	35.8	51.1	46.5	38.1	44.7	44.3	39.8	36.0		
10.0		94.1	94.3	55.9	93.5	94.0	60.0	38.1	92.8	89.9	80.0	68.8	40.5	90.1	80.0	70.0	20.8	46.4	48.5	23.9	44.9	46.8	25.7	43.8	36.6	27.8	40.5	36.4	30.2	37.0	37.9	38.9	25.2		
11.0		84.5	85.8	52.5	85.0	85.5	55.5	35.3	84.2	82.8	80.0	63.9	37.4	82.5	80.0	70.0	16.9	34.0	36.1	19.6	33.6	35.0	20.7	35.0	30.9	22.4	32.9	32.7	24.5	30.5	30.9	26.2	21.9		
12.0		66.6	78.2	49.5	77.4	77.9	51.7	32.8	76.7	76.7	76.9	59.7	34.6	76.0	79.5	66.5	30.9	73.2	70.0	34.7	67.2	68.0	38.0	64.8	50.4	40.7	55.2	51.9	43.1	44.7	44.3	39.8	36.0		
14.0		64.9	44.8	64.1	64.6	45.4	28.8	63.3	64.3	67.0	52.7	30.2	63.7	66.2	59.0	26.7	63.3	64.9	30.3	58.0	60.0	33.1	56.3	44.8	35.8	51.1	46.5	38.1	44.7	44.3	39.8	36.0	29.0		
16.0		47.8	41.1	53.9	54.4	40.5	25.4	53.0	54.1	56.7	47.1	26.7	53.4	55.9	53.0	23.4	55.0	56.8	26.7	50.7	52.7	29.0	49.4	40.3	31.4	45.5	42.1	33.9	41.3	41.7	35.7	33.1	27.0		
18.0				45.2	45.7	36.6	22.6	44.2	45.4	48.3	42.7	23.9	44.6	47.4	48.1	20.8	46.4	48.5	23.9	44.9	46.8	25.7	43.8	36.6	27.8	40.5	36.4	30.2	37.0	37.9	38.9	25.2	25.2		
20.0				35.5	35.9	33.5	20.3		32.1	33.2	36.0	34.6	19.7	32.4	35.0	37.0	16.9	34.0	36.1	19.6	33.6	35.0	20.7	35.0	30.9	22.4	32.9	32.7	24.5	30.5	30.9	26.2	21.9		
22.0																																			
24.0																																			
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38.0																																			
40.0																																			
42.0																																			
44.0																																			
46.0																																			
48.0																																			

Note: a 92.1 counterweight and 8.7 m outrigger extension width or a 92.1 counterweight and 8.0 m outrigger extension width.

Total rated loads chart

■ Performance C		6-staged type ESP boom																			Unit: ton														
Performance blocks		1	23	2	24	26	12	3	1	8	9	12	2	1	9	12	2	1	12	2	1	10	2	1	3	4	1	11	4	1	5	6	1	1	7
Performance numbers		1	18.2	18.2	18.2	22.4	22.4	22.4	22.4	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	
Boom length (m)		13.9	18.2	18.2	18.2	22.4	22.4	22.4	22.4	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	
Working radius (m)		3.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	
The maximum load within the boom		69.0	60.0	63.0	56.0	34.0	62.0	38.0	40.0	56.0	57.0	60.0	63.0	40.0	54.0	58.0	39.0	40.0	55.0	54.0	35.0	42.0	37.0	35.0	30.0	50.8	36.0	39.0	35.0	35.0	35.0	39.8	36.0	29.0	
θ (°)		0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5		
Boom stage telescoping condition (telescoping rate %)		0	46	0	46	0	0	0	0	46	46	0	0	0	92	46	0	0	92	46	0	92	46	0	92	46	0	92	46	0	92	46	92	100	
2nd boom		0	0	0	46	0	0	0	0	46	46	0	0	0	92	46	0	0	92	46	0	92	46	0	92	46	0	92	46	0	92	46	92	100	
3rd boom		0	46	0	46	92	0	0	0	46	92	46	0	0	92	46	0	0	92	46	0	92	46	0	92	46	0	92	46	0	92	46	92	100	
4th boom		0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	0	46	46	0	92	46	0	92	46	0	92	46	0	92	46	92	100	
5th boom		0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	92	46	46	0	46	92	0	46	92	0	46	92	0	46	92	92	100	
6th boom		0	0	46	0	0	0	46	92	0	0	0	0	0	0	0	46	92	0	46	92	0	46	92	0	46	92	0	46	92	0	46	92	100	
Standard hook		180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	180t	
The weights of the booms		2100kg	2100kg	1360kg	2100kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	
The number of part lines		14	14	7	13	7	7	11	7	11	7	7	7	6	7	7	6	7	7	7	6	7	5	6	5	6	5	6	5	5	4	4	4	3	

Note: a 72 counterweight and 8.7 m outrigger extension width or a 72 counterweight and 8.0 m outrigger extension width.

Total rated loads chart

- Performance D

6-staged type ESP boom

[illegible]

Note: a 72 t counterweight and 6.8 m outrigger extension width.

Total rated loads chart

■ Performance E		Total rated loads chart																										Unit: ton																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6-staged type ESP boom																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Performance blocks		1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1	8	1

Note: a 52 t counterweight and 6.7 m outrigger extension width or a 52 t counterweight and 8.0 m outrigger extension width.

Total rated loads chart

■ Performance F
6-staged type ESP boom

6-staged type ESP boom																												Unit : ton						
Performance blocks		1	8	1	8	9	2	3	8	12	2	1	9	12	2	1	12	2	1	10	2	1	3	4	1	11	4	1	5	6	1	7		
Performance numbers		1	23	2	24	26	12	3	25	27	31	13	4	28	32	14	5	33	15	6	29	16	7	17	18	8	30	19	9	20	21	10	11	22
Boom length (m)		13.9	18.2	18.2	22.4	22.4	22.4	22.4	26.7	26.7	26.7	26.7	26.7	30.9	30.9	30.9	30.9	35.2	35.2	35.2	39.4	39.4	43.7	43.7	43.7	47.9	47.9	47.9	52.2	52.2	56.4	60.0		
Working radius (m)		3.0	160.0	160.0	70.0																													
		3.5	160.0	160.0	70.0			70.0																										
		4.0	160.0	160.0	70.0	150.0	150.0	70.0	150.0	150.0	70.0	67.5																						
		4.5	160.0	160.0	70.0	150.0	150.0	70.0	63.2	130.0	130.0	80.0	70.0	68.9																				
		5.0	151.1	151.6	70.0	150.0	150.0	70.0	60.6	110.0	80.0	70.0	60.6	110.0	80.0	70.0	55.4																	
		6.0	129.7	130.2	70.0	129.5	129.9	70.0	55.9	128.8	129.8	80.0	70.0	60.6	110.0	80.0	70.0	49.2	80.0	70.0	54.0													
		7.0	113.0	113.4	70.0	112.6	113.1	70.0	50.1	111.9	112.9	80.0	70.0	54.0	110.0	80.0	70.0	44.1	80.0	70.0	48.7	76.0	68.0	52.3										
		8.0	99.5	99.9	64.6	99.1	99.6	70.0	45.4	98.4	99.4	80.0	70.0	48.7	96.8	80.0	70.0	44.1	80.0	70.0	48.7	76.0	68.0	47.9	65.0	60.2	50.8							
		9.0	85.1	85.5	59.9	84.4	85.1	65.2	41.5	83.3	84.8	80.0	70.0	44.3	83.9	80.0	70.0	39.9	80.0	70.0	44.3	76.0	68.0	47.9	65.0	60.2	50.8							
		10.0	70.4	70.7	55.9	69.6	70.3	60.0	38.1	68.5	70.0	73.8	68.8	40.5	69.1	72.6	70.0	36.4	71.4	70.0	40.6	70.9	68.0	44.1	65.0	57.4	46.9	55.2	53.1	44.4				
		11.0	59.6	59.7	52.5	58.7	59.3	55.5	35.3	57.7	59.0	62.7	63.9	37.4	58.2	61.6	64.0	33.4	60.4	62.9	37.5	59.9	61.6	40.8	61.6	53.7	43.6	55.2	53.1	44.4	44.7	44.3	39.8	
		12.0	51.5	51.3	49.5	50.3	51.0	51.7	32.8	49.3	50.7	54.1	55.9	34.6	49.8	53.1	55.4	30.9	51.9	54.3	34.7	51.5	53.1	38.0	53.1	50.4	40.7	53.4	51.9	43.1	44.7	44.3	39.8	
		14.0	39.3	42.2	38.3	39.0	43.4	28.8	37.4	38.6	41.9	43.6	30.2	37.9	40.9	43.1	26.7	39.8	42.1	30.3	39.4	40.9	33.1	41.0	43.0	35.8	41.2	42.2	38.1	42.1	42.4	39.6	35.0	
		16.0	31.3	33.9	30.2	30.0	35.0	25.4	29.3	30.5	33.6	35.2	26.7	29.7	32.7	34.7	23.4	31.5	33.7	26.7	31.1	32.6	29.0	32.6	34.6	31.4	32.8	33.8	33.9	33.8	34.0	35.4	33.1	
		18.0	24.4	24.4	24.9	29.0	22.6	23.4	24.6	27.5	29.1	23.9	23.8	26.6	28.7	28.1	20.8	25.6	27.7	23.9	25.2	26.6	25.7	26.6	25.7	26.6	25.8	27.8	26.8	27.7	29.7	27.9	29.3	
		20.0	20.0	20.6	24.4	20.3	19.0	20.1	23.0	24.5	21.6	19.3	22.0	24.1	18.6	21.0	23.1	21.5	20.6	22.1	23.0	22.0	23.8	24.8	22.2	23.1	25.0	23.1	23.3	24.6	23.9	23.5		
		22.0	15.5	16.6	19.4	21.0	19.7	15.8	18.5	20.5	16.9	17.5	19.5	19.5	16.6	17.1	18.5	20.7	18.5	20.2	21.9	18.6	19.5	21.4	19.5	21.4	19.5	21.4	19.5	19.7	21.0	20.2	20.2	
		24.0	12.8	13.9	16.6	18.1	18.2	13.0	15.6	17.6	15.4	14.6	16.6	17.9	14.2	15.6	18.8	15.6	17.3	19.0	15.7	16.6	18.4	16.6	16.8	18.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3	
		26.0	10.7	13.3	15.3	14.1	12.3	14.3	16.5	14.1	12.3	13.3	14.3	16.5	14.1	12.3	13.3	16.7	13.2	14.9	16.5	13.4	14.6	16.0	14.2	14.4	15.6	14.9	14.9	14.9	14.9	14.9	14.9	
		28.0	8.7	10.7	13.2	8.8						8.6	11.4	13.3	13.1	10.4	12.3	14.9	10.0	11.3	14.7	11.3	12.9	14.5	11.4	12.2	14.0	12.2	10.4	13.6	12.9	12.9		
		30.0	8.7	10.7	13.2	8.8										8.7	10.7	13.2	8.8	9.7	13.0	9.6	11.2	12.8	9.7	10.5	12.3	10.5	10.7	11.2	11.2	11.2		
		32.0	8.1	9.8	11.4	8.1										8.1	9.8	11.4	8.1	9.8	11.4	8.1	9.8	11.4	8.1	9.8	10.9	9.2	10.4	9.7	9.7	9.7		
		34.0	5.2	6.9	10.3	6.7	8.5	10.1	6.8	7.8	9.5	7.7	8.0	9.2	6.8	8.5	10.1	6.8	7.8	9.5	7.7	8.0	9.2	6.8	7.8	9.2	8.4	8.3	7.3	7.3	7.3	7.3	7.3	
		36.0	4.4	6.4	8.0	4.4										4.4	6.4	8.0	4.4	5.4	7.5	5.4	6.6	7.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	
		38.0	3.5	5.5	7.2	3.5										3.5	5.5	7.2	3.5	4.4	6.6	4.4	6.6	4.4	6.6	4.4	6.6	4.4	6.6	4.4	6.6	4.4	6.6	
		40.0	2.8	4.7	6.5	2.6										2.8	4.7	6.5	2.6	3.6	5.8	3.5	3.7	5.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	
		42.0																																
		44.0																																
		46.0																																
		48.0																																
		50.0																																
The maximum load without a pin		69.0	60.0	63.0	56.0	34.0	62.0	38.0	40.0	56.0	57.0	60.0	63.0	40.0	54.0	58.0	39.0	40.0	55.0	54.0	35.0	42.0	37.0	35.0	30.0	50.8	36.0	39.0	35.0	35.0	39.8	36.0	29.0	
θ (°)		0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	0° - 81.5°	11° - 81.5°	3° - 81.5°	3° - 81.5°	17° - 81.5°	2° - 81.5°	25° - 81.5°	33° - 81.5°		
Boom stage telescoping condition (telescoping rate %)																																		
2nd boom																																		
3rd boom																																		
4th boom																																		
5th boom																																		
6th boom																																		
7th boom																																		
Standard hook																																		
The maximum load without a pin																																		
Standard number																																		
Standard part lines																																		

Note: a 52 t counterweight and 6.8 m outrigger extension width.

Total rated loads chart

■ Performance G
6-staged type ESP boom

Performance	Unit: ton																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Performance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Boom length (m)	13.9	18.2	18.2	22.4	22.4	22.4	26.7	26.7	26.7	30.9	30.9	30.9	35.2	35.2	35.2	39.4	39.4	43.7	43.7	47.9	47.9	52.2	52.2	56.4
Working radius (m)	3.0	160.0	160.0	70.0																				
3.5	160.0	160.0	70.0																					
4.0	160.0	160.0	70.0	150.0	150.0	70.0	70.0																	
4.5	160.0	160.0	70.0	150.0	150.0	70.0	67.5																	
5.0	155.1	155.6	70.0	150.0	150.0	70.0	63.2	130.0	130.0	130.0	80.0	80.0	70.0	55.4										
6.0	131.8	132.2	70.0	131.5	131.9	70.0	55.9	130.0	130.0	130.0	80.0	80.0	70.0	55.4										
7.0	109.8	110.3	70.0	109.5	110.0	70.0	50.1	108.6	108.8	80.0	70.0	54.0	80.0	70.0	48.7	76.0	68.0	52.3						
8.0	88.7	89.2	64.6	88.1	88.8	70.0	45.4	87.0	88.5	80.0	70.0	48.7	87.6	80.0	70.0	44.1	80.0	70.0	48.7					
9.0	71.9	72.3	59.9	71.2	71.9	65.2	41.5	70.2	71.6	75.5	70.0	44.3	70.8	74.3	70.0	39.9	73.1	70.0	44.3					
10.0	59.9	60.2	55.9	59.2	59.8	60.0	38.1	58.2	59.5	63.2	65.1	40.5	58.7	62.1	64.6	36.4	60.9	63.4	40.6					
11.0	51.0	51.1	52.5	50.1	50.7	55.5	35.3	49.1	50.5	54.0	55.8	37.4	49.6	52.9	55.3	33.4	51.7	54.2	37.5					
12.0	44.2	44.0	47.0	43.1	43.7	48.3	32.8	42.1	43.4	46.8	48.6	34.6	42.6	45.7	48.1	30.9	44.6	47.0	34.7					
14.0	33.8	36.6	32.8	33.4	37.8	28.8	31.9	33.1	36.3	38.0	30.2	32.3	35.3	37.5	26.7	34.3	37.4	35.8	36.6					
16.0	26.8	29.4	25.8	26.4	30.5	25.4	24.8	26.0	29.1	30.7	26.7	25.3	28.1	30.3	23.4	27.1	29.2	26.7	26.7					
18.0			20.6	21.2	25.2	22.6	19.7	20.8	23.8	25.4	23.9	20.1	22.8	24.9	20.8	21.8	23.9	23.9	21.4					
20.0			16.8	17.4	21.2	20.3	15.7	16.9	19.7	21.3	21.6	16.1	18.8	20.9	18.6	17.8	19.9	21.5	17.4					
22.0							12.7	13.8	16.6	18.1	19.1	13.0	15.6	17.7	16.9	14.6	16.7	19.4	14.3					
24.0								10.3	11.4	14.1	15.6	16.5	10.5	13.1	15.1	15.4	12.1	14.1	16.8					
26.0												8.2	11.0	13.0	14.1	10.0	12.0	14.6	9.6					
28.0												6.2	9.2	11.3	12.7	8.1	10.2	12.8	7.7					
30.0													6.4	8.7	11.3	5.9	7.6	11.1	7.5					
32.0												4.9	7.4	10.0	4.3	6.1	9.7	6.0	7.9					
34.0																3.0	4.8	8.5	4.7					
36.0																3.7	7.5	3.5	5.6					
38.0																								
40.0																								
42.0																								
44.0																								
46.0																								
The maximum load without wind	69.0	60.0	63.0	56.0	34.0	62.0	38.0	40.0	56.0	57.0	60.0	63.0	40.0	58.0	54.0	35.0	42.0	37.0	35.0					
θ (°)	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5
Boom stage telescoping condition (telescoping rate %)																								
2nd boom	0	0	0	46	0	0	0	92	46	0	0	92	46	0	92	46	0	92	46	0	92	46	92	100
3rd boom	0	46	0	46	92	0	0	46	92	46	0	92	46	0	92	46	0	92	46	92	92	92	92	100
4th boom	0	0	0	0	0	0	0	0	46	46	0	46	46	0	46	46	0	46	46	92	92	92	92	100
5th boom	0	0	0	0	0	0	0	0	0	46	46	0	46	46	0	46	46	0	46	46	92	92	92	100
6th boom	0	0	46	0	0	0	0	0	0	46	46	0	46	46	0	46	46	0	46	92	92	92	92	100
Standard hook	180 t	180 t	180 t	180 t	180 t	180 t	180 t	180 t	180 t	180 t	180 t	80 t	180 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t
The weights of the booms	2100kg	2100kg	1360kg	2100kg	2100kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	2100kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg
Standard number of parts	14	14	7	13	7	7	7	11	11	7	7	6	6	6	6	6	6	6	5	5	5	4	4	3

Note: a 30 t counterweight and 8.7 m outrigger extension width.

Total rated loads chart

[illegible]

Note: a 52 t counterweight and 5.7 m outrigger extension width.

Total rated loads chart

■ Performance I		6-staged type ESP boom																								Unit/m										
Performance blocks		1	8	1	8	9	2	1	8	9	12	2	1	12	2	1	10	2	1	3	4	1	11	4	1	5	6	1	1	7						
Performance numbers		1	23	2	24	26	12	3	25	27	31	13	4	28	32	14	5	33	15	6	29	16	7	17	18	8	30	19	9	20	21	10	11	22		
Boom length (m)		13.9	18.2	18.2	22.4	22.4	22.4	22.4	26.7	26.7	26.7	26.7	26.7	26.7	30.9	30.9	30.9	30.9	35.2	35.2	39.4	39.4	39.4	43.7	43.7	43.7	47.9	47.9	52.2	52.2	56.4	60.0				
Working radius (m)		3.0	160.0	160.0																																
3.5		160.0	160.0	70.0																																
4.0		160.0	160.0	70.0	150.0	150.0	70.0	70.0																												
4.5		154.8	155.3	70.0	150.0	150.0	70.0	67.5																												
5.0		142.1	142.5	70.0	141.9	142.3	70.0	63.2	130.0	130.0	80.0	70.0	68.9																							
6.0		121.3	121.7	70.0	121.0	121.4	70.0	55.9	120.3	121.3	80.0	70.0	60.6	110.0	80.0	70.0	55.4																			
7.0		100.4	101.2	70.0	99.8	100.7	70.0	50.1	98.5	100.4	80.0	70.0	54.0	99.3	80.0	70.0	49.2	80.0	70.0	54.0																
8.0		75.9	76.4	64.6	75.2	76.0	70.0	45.4	74.0	75.7	80.0	70.0	48.7	74.7	78.8	70.0	44.1	77.3	70.0	48.7	76.0	68.0	52.3													
9.0		60.1	60.5	59.9	59.4	60.1	65.2	41.5	58.3	59.8	63.9	66.0	44.3	58.9	62.6	65.4	39.9	61.3	64.1	44.3	60.8	62.7	47.9	62.7	60.2	50.8										
10.0		49.1	49.4	52.8	48.4	49.0	54.3	38.1	47.3	48.7	52.6	54.5	40.5	47.9	51.4	54.0	36.4	50.1	52.8	40.6	49.7	51.5	44.1	51.5	53.8	46.9	51.7	52.9	44.4							
11.0		41.2	41.3	44.5	40.2	40.9	45.9	35.3	39.2	40.6	44.2	46.1	37.4	39.8	43.1	45.6	33.4	41.9	44.4	37.5	41.5	43.2	40.8	43.2	45.4	43.6	43.4	44.6	44.4	44.5	44.3	39.8				
12.0		35.1	35.0	38.1	34.0	34.7	39.4	32.8	33.0	34.4	37.8	39.6	34.6	33.5	36.8	39.1	30.9	35.6	38.0	34.7	35.2	36.8	38.0	36.9	39.0	40.7	37.1	38.2	40.3	38.1	38.4	39.8	36.0			
14.0			26.1	28.9	25.1	25.7	30.2	28.8	24.2	25.4	28.7	30.4	30.2	24.6	27.7	29.9	26.7	26.6	28.8	30.3	26.2	27.7	31.7	27.7	29.7	31.6	27.9	29.0	31.0	28.9	29.1	30.7	29.8	29.0		
16.0			20.1	22.7	19.1	19.7	23.9	24.0	18.1	19.3	22.4	24.1	25.1	18.6	21.5	23.6	23.4	20.4	22.6	25.5	20.0	21.5	25.3	21.5	23.4	25.3	21.7	22.7	24.7	22.6	22.9	24.3	23.5	23.5		
18.0				14.8	15.3	19.4	19.5	13.8	15.0	17.9	19.5	20.5	14.2	17.0	19.1	20.6	16.0	18.1	20.9	15.6	17.0	20.7	17.0	18.9	20.6	17.2	18.1	20.1	18.1	18.3	19.7	18.9	18.9			
20.0					11.6	12.1	16.0	16.1	10.5	11.7	14.5	16.1	17.0	10.9	13.6	15.6	17.1	12.6	14.6	17.4	12.2	13.6	17.2	13.6	15.4	17.1	13.8	14.7	16.6	14.6	14.8	16.2	15.4	15.4		
22.0									7.8	9.1	11.9	13.4	14.3	8.2	10.9	12.9	14.4	9.9	12.0	14.7	9.6	11.0	14.5	10.9	12.7	14.4	11.1	12.0	13.8	11.9	12.1	13.5	12.7	12.7		
24.0									5.5	6.9	9.8	11.3	12.2	5.8	8.8	10.8	12.3	7.8	9.8	12.5	7.4	8.8	12.3	8.8	10.5	12.2	8.9	9.8	11.6	9.7	10.0	11.2	10.5	10.5		
26.0														3.9	7.1	9.1	10.5	5.9	8.1	10.7	5.4	7.1	10.5	7.0	8.7	10.3	7.2	8.0	9.8	8.0	8.2	9.4	8.7	8.7		
28.0															5.4	7.6	9.1	4.2	6.6	9.2	3.7	5.4	9.0	5.3	7.2	8.8	5.5	6.5	8.3	6.5	6.7	7.9	7.2	7.2		
30.0																																				
32.0																																				
34.0																																				
36.0																																				
38.0																																				
40.0																																				
42.0																																				
The maximum load without a pin		69.0	60.0	63.0	56.0	34.0	62.0	38.0	40.0	56.0	57.0	60.0	63.0	40.0	54.0	58.0	39.0	40.0	48.0	55.0	54.0	35.0	42.0	37.0	35.0	30.0	50.8	36.0	39.0	35.0	39.8	36.0	29.0			
θ (°)		0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	0°-81.5	19°-81.5	0°-81.5	0°-81.5	0°-81.5	18°-81.5	18°-81.5	18°-81.5	0°-81.5	36°-81.5	26°-81.5	0°-81.5	37°-81.5	22°-81.5	0°-81.5	46°-81.5	40°-81.5	24°-81.5	48°-81.5	37°-81.5	51°-81.5	55°-81.5		
		Boom stage telescoping condition (telescoping rate %)																																		
2nd boom		0	0	0	46	0	0	0	0	92	46	0	0	0	92	46	0	92	46	0	92	46	0	92	46	0	92	92	46	92	92	100				
3rd boom		0	46	0	46	92	0	0	46	92	46	0	0	0	92	46	46	0	46	46	0	92	46	0	92	46	92	46	92	92	92	92	100			
4th boom		0	0	0	0	0	0	0	0	0	46	46	0	0	46	46	46	0	46	46	46	46	46	92	46	46	92	46	92	46	92	92	100			
5th boom		0	0	0	0	0	0	46	0	0	0	46	46	0	46	46	46	92	46	46	92	46	92	46	92	46	92	46	92	46	92	92	100			
6th boom		0	0	46	0	0	46	92	0	0	0	0	46	92	0	0	46	92	0	46	92	0	46	92	46	92	92	92	92	92	92	92	100			
Standard hook		180 t	180 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t	180 t	80 t			
The weights of the hoists		2100kg	2100kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg			
Standard number of part lines		14	14	7	13	7	7	7	7	9	7	6	7	6	7	6	7	6	7	6	7	5	6	5	6	5	6	5	6	5	5	4	4	3		

Note: a 30 t counterweight and 8.0 m outrigger extension width or a 30 t counterweight and 6.8 m outrigger extension width.

Total rated loads chart

■ Performance J
6-staged type ESP boom

6-gated type ESP boom															6-gated type ESP boom															Unit: ton																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Performance table															Performance table																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Performance table	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483	1484	1485	1486	1487	1488	1489	1490</

Note: a 30 t counterweight and 5.7 m outrigger extension width.

Total rated loads chart

■ Performance K
6-staged type ESP boom

6-staged type ESP boom															Unit: ton																		
Performance blocks																																	
Performance numbers	1	23	2	24	26	12	3	25	27	31	13	4	28	32	1	10	2	1	3	4	1	11	4	1	5	6	1	1					
Boom length (m)	13.9	18.2	18.2	22.4	22.4	22.4	22.4	26.7	26.7	30.9	30.9	30.9	30.9	35.2	35.2	35.2	39.4	39.4	43.7	43.7	43.7	47.9	47.9	52.2	52.2	56.4	60.0						
Working radius (m)	3.0	160.0	160.0	70.0																													
5.0	139.8	140.3	70.0	139.5	140.1	70.0	63.2	130.0	130.0	80.0	70.0	68.9																					
6.0	98.9	99.7	70.0	98.3	99.3	70.0	55.9	97.0	98.9	80.0	70.0	60.6	97.8	80.0	70.0	55.4																	
7.0	71.1	71.8	70.0	70.6	71.4	70.0	50.1	69.4	71.1	75.6	70.0	54.0	70.1	74.2	70.0	49.2	72.8	70.0	54.0														
8.0	54.4	54.9	58.6	53.8	54.6	60.2	45.4	52.8	54.3	58.4	60.5	48.7	53.4	57.1	59.9	44.1	55.8	58.6	48.7														
9.0	43.3	43.7	47.1	42.7	43.4	48.6	41.5	41.6	43.1	46.9	48.9	44.3	42.2	45.7	48.3	39.9	44.5	47.1	44.3	44.0	45.8	47.9	45.9	48.2	50.4								
10.0	35.4	35.6	38.9	34.6	35.3	40.3	38.1	33.7	35.0	38.6	40.5	40.5	34.2	37.5	40.8	36.4	36.4	38.9	40.6	35.8	37.7	42.1	37.7	39.9	42.0								
11.0	28.3	28.4	32.3	27.2	28.0	34.0	34.1	26.0	27.7	32.1	34.3	35.4	26.7	30.7	33.8	33.4	29.3	32.4	35.9	28.8	30.9	35.8	30.9	33.6	35.7	31.2	32.6	35.0	32.5	32.8	34.6		
12.0	22.8	22.7	26.3	21.5	22.3	28.0	28.1	20.4	22.0	26.1	28.3	29.6	21.0	24.8	27.7	29.8	23.5	26.3	30.2	23.0	25.0	30.0	25.0	27.5	29.9	25.2	26.5	29.1	26.5	26.8	28.6	27.6	
14.0	15.1	18.3	14.0	14.7	19.8	19.9	12.9	14.3	18.0	20.0	21.2	13.4	16.9	19.5	21.4	15.7	18.3	21.8	13.4	15.2	17.0	21.6	17.0	19.3	21.5	17.2	18.4	20.8	18.4	18.6	20.3	19.4	
16.0	10.3	13.2	9.1	9.8	14.5	14.7	8.1	9.4	12.9	14.8	15.9	8.6	11.8	14.3	16.1	10.7	13.1	16.4	10.2	11.9	16.2	11.9	14.1	16.1	12.1	13.2	15.4	13.2	13.4	15.0	14.1	14.1	
18.0				5.8	6.5	10.9	11.0	4.8	6.1	9.3	11.1	12.2	8.3	10.6	12.3	7.2	9.5	12.7	6.8	8.4	12.5	8.4	10.4	12.4	8.6	9.6	11.7	9.6	9.8	11.3	10.4	10.5	
20.0				3.3	4.1	8.3	8.4		3.5	6.7	8.5	9.5	5.7	8.0	9.6		6.9	9.9		5.8	9.7		7.7	9.6		6.9	9.0	6.9	7.1	8.6	7.7	7.8	
22.0									4.8	6.5	7.5		3.8	5.9	7.6		4.9	7.8		7.6		7.5		7.7		6.5							
24.0									3.2	4.9	5.9					4.4	5.9		3.3	6.2		4.6		4.1	5.8		5.3						
26.0																3.1	4.7			4.9		4.6		4.5		3.9							
28.0																	3.7			3.8		3.5			3.4								
30.0																				3.8													
The maximum load without a pin	69.0	60.0	63.0	56.0	34.0	62.0	38.0	40.0	56.0	57.0	60.0	63.0	40.0	54.0	58.0	39.0	40.0	55.0	54.0	35.0	42.0	37.0	35.0	30.0	50.4	36.0	39.0	35.0	32.5	32.8	34.6	27.6	19.4
θ (°)	0 ~ 81.5	0 ~ 81.5	4 ~ 81.5	3 ~ 81.5	0 ~ 81.5	0 ~ 81.5	4 ~ 81.5	4 ~ 81.5	4 ~ 81.5	4 ~ 81.5	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5	14 ~ 81.5	14 ~ 81.5	14 ~ 81.5	15 ~ 81.5	14 ~ 81.5	14 ~ 81.5	15 ~ 81.5	15 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	35 ~ 81.5	
Boom stage telescoping condition (telescoping rate %)																																	
2nd boom	0	0	0	46	0	0	0	92	46	0	0	0	92	46	0	0	92	46	0	92	46	0	92	46	0	92	46	0	92	46	92	100	
3rd boom	0	46	0	46	92	0	0	46	92	46	0	0	92	46	46	0	46	46	0	92	46	0	92	46	92	46	92	92	92	92	92	100	
4th boom	0	0	0	0	0	0	0	0	46	46	0	0	46	46	0	46	46	46	46	92	46	92	46	46	92	46	92	92	92	92	100	100	
5th boom	0	0	0	0	0	0	0	0	0	46	46	46	0	46	46	92	46	46	46	92	46	92	46	46	92	46	92	46	92	92	100	100	
6th boom	0	0	46	0	0	46	92	0	0	0	0	46	92	0	0	46	92	0	46	92	0	46	92	46	92	46	92	92	92	92	100	100	
Standard hook	180 t	180 t	80 t	180 t	180 t	80 t	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	
The weight of the hook	2100kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	2100kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	
The weight of the part lines	14	14	7	13	7	11	7	9	7	6	7	5	6	7	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5	3	

Note: a 0 t counterweight and 8.7 m outrigger extension width.

Total rated loads chart

■ Performance L		Unit:ton																														
6-staged type ESP boom																																
Performance blocks		1	8	1	8	9	2	1	12	2	1	12	2	1	10	2	1	3	4	1	11	4	1	5	6	1	1					
Performance numbers		1	23	2	24	26	12	3	31	13	4	28	32	14	5	33	15	6	29	16	7	17	18	8	30	19	9	20	21	10	11	
Boom length (m)		13.9	18.2	18.2	22.4	22.4	22.4	22.4	26.7	26.7	26.7	30.9	30.9	30.9	30.9	35.2	35.2	35.2	39.4	39.4	39.4	43.7	43.7	43.7	43.7	47.9	47.9	52.2	52.2	56.4		
Working radius (m)		3.0	160.0	160.0	70.0																											
3.5		160.0	160.0	70.0																												
4.0		144.2	144.7	70.0	144.0	144.5	70.0	70.0																								
4.5		107.3	108.6	70.0	106.8	108.0	70.0	67.5																								
5.0		79.3	80.3	70.0	78.8	79.9	70.0	63.2	77.2	79.4	80.0	70.0	68.9																			
6.0		50.0	50.7	55.1	49.5	50.3	57.0	55.9	48.2	50.0	54.9	57.4	58.9	48.9	53.4	56.7	55.4															
7.0		34.8	35.4	39.3	34.3	35.1	40.9	41.0	33.2	34.8	39.0	41.2	42.6	33.8	37.7	40.6	42.8	36.4	39.3	43.3												
8.0		25.6	26.0	29.5	25.0	25.7	31.1	31.2	24.0	25.4	29.3	31.4	32.6	24.6	28.2	30.8	32.8	26.9	29.6	33.2	26.4	28.3	33.0									
9.0		19.4	19.7	23.0	18.8	19.4	24.4	24.5	17.8	19.1	22.8	24.7	25.8	18.3	21.7	24.2	26.0	20.5	23.0	26.4	20.1	21.8	26.3	21.8	24.1	26.2						
10.0		14.9	15.2	18.3	14.3	14.9	19.7	19.8	13.3	14.6	18.1	19.9	21.0	13.8	17.0	19.4	21.2	15.9	18.3	21.6	15.5	17.1	21.4	17.2	19.3	21.3	17.4	18.5	20.7			
11.0		11.7	11.8	14.7	10.9	11.5	16.1	16.2	9.9	11.2	14.5	16.3	17.4	10.4	13.5	15.8	17.5	12.4	14.8	17.9	12.0	13.6	17.7	13.7	15.7	17.6	13.9	14.9	17.0	14.9	15.1	16.6
12.0		9.2	9.1	12.0	8.2	8.8	13.2	13.3	8.6	11.8	13.5	14.5		10.8	13.0	14.7	9.7	12.0	15.0		10.9	14.8	10.9	12.9	14.8	12.1	14.2	12.1	12.3	13.8	12.9	
14.0		5.3	8.0		5.0	9.2	9.3		7.7	9.4	10.3			6.8	8.9	10.5		7.9	10.8						8.8	10.6					9.6	
16.0			5.2				6.3	6.4		4.9	6.5	7.5		6.1	7.6			5.1	7.9						7.7							
18.0							4.3	4.4		2.9	4.5	5.4		4.0	5.5			5.8							5.5							
20.0								2.8	2.9									3.9														
22.0																																
The maximum load without a pin		69.0	60.0	63.0	56.0	34.0	62.0	38.0	44.0	57.0	60.0	63.0	40.0	53.4	56.7	39.0	36.4	39.3	43.3	26.4	28.3	33.0	21.8	24.1	26.2	17.4	18.5	20.7	14.9	15.1	16.6	12.9
θ (°)		0 ~ 81.5	14 ~ 80.5	0 ~ 81.5	90 ~ 81.5	46 ~ 81.5	4 ~ 81.5	4 ~ 81.5	63 ~ 81.5	44 ~ 81.5	32 ~ 81.5	19 ~ 81.5	19 ~ 81.5	67 ~ 81.5	59 ~ 81.5	40 ~ 81.5	38 ~ 81.5	69 ~ 81.5	62 ~ 81.5	49 ~ 81.5	73 ~ 81.5	70 ~ 81.5	59 ~ 81.5	73 ~ 81.5	68 ~ 81.5	63 ~ 81.5	76 ~ 81.5	68 ~ 81.5	76 ~ 81.5	76 ~ 81.5	76 ~ 81.5	
		Boom stage telescoping condition (telescoping rate %)																														
2nd boom		0	0	0	46	0	0	0	0	0	0	0	0	92	46	0	0	92	46	0	92	46	0	92	46	0	92	0	92	46	92	
3rd boom		0	46	0	46	92	0	0	46	92	46	0	0	92	46	46	0	46	46	0	92	46	0	92	46	46	92	92	92	92	92	
4th boom		0	0	0	0	0	0	0	0	46	46	0	0	46	46	0	46	46	46	46	92	46	0	92	46	92	46	92	92	92	92	
5th boom		0	0	0	0	0	46	0	0	46	46	46	46	0	46	46	92	46	92	46	92	0	46	92	46	92	46	92	46	92	92	
6th boom		0	0	46	0	0	46	92	0	0	46	46	92	0	0	46	92	0	46	92	0	46	92	46	92	46	92	46	92	92	92	
Standard hook		180 t	180 t	80 t	180 t	180 t	80 t	80 t	180 t	180 t	80 t	80 t	80 t	180 t	180 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	80 t	
The weights of the hook		2100kg	2100kg	1360kg	2100kg	2100kg	1360kg	1360kg	2100kg	1360kg	1360kg	2100kg	2100kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	1360kg	
Standard number		14	14	7	13	7	7	7	11	11	7	7	9	9	7	6	6	6	6	6	7	5	6	5	6	5	5	5	4	4	4	

Note: a 0 t counterweight and 8.0 m outrigger extension width, a 0 t counterweight and 6.8 m outrigger extension width or a 0 t counterweight and 5.7 m outrigger extension width.

Total rated loads chart

■ Performance M

6-staged type ESP boom

Unit: ton

Performance blocks	1		
Performance numbers	1	2	3
Boom length (m)	13.9	18.2	22.4
Working radius (m)			
3.0	25.0	25.0	
3.5	25.0	25.0	
4.0	25.0	25.0	25.0
4.5	25.0	25.0	25.0
5.0	25.0	25.0	25.0
6.0	25.0	25.0	25.0
7.0	25.0	25.0	25.0
8.0	25.0	25.0	25.0
9.0	25.0	25.0	25.0
10.0	25.0	25.0	25.0
11.0	25.0	25.0	25.0
12.0	22.1	25.0	25.0
14.0		17.8	19.4
16.0		12.8	14.3
18.0			10.7
20.0			8.2
The maximum load without a pin	25.0	25.0	25.0
θ (°)	0 ~ 81.5	0 ~ 81.5	0 ~ 81.5
Boom stage telescoping condition (telescoping rate %)			
2nd boom	0	0	0
3rd boom	0	0	0
4th boom	0	0	0
5th boom	0	0	0
6th boom	0	46	92
Standard hook	80t		
The weights of the hooks	1360kg		
Standard number of part lines	7		

Note: a 0 t counterweight and 2.7 m outrigger extension width (Over front, over rear).

■ Performance N

6-staged type ESP boom

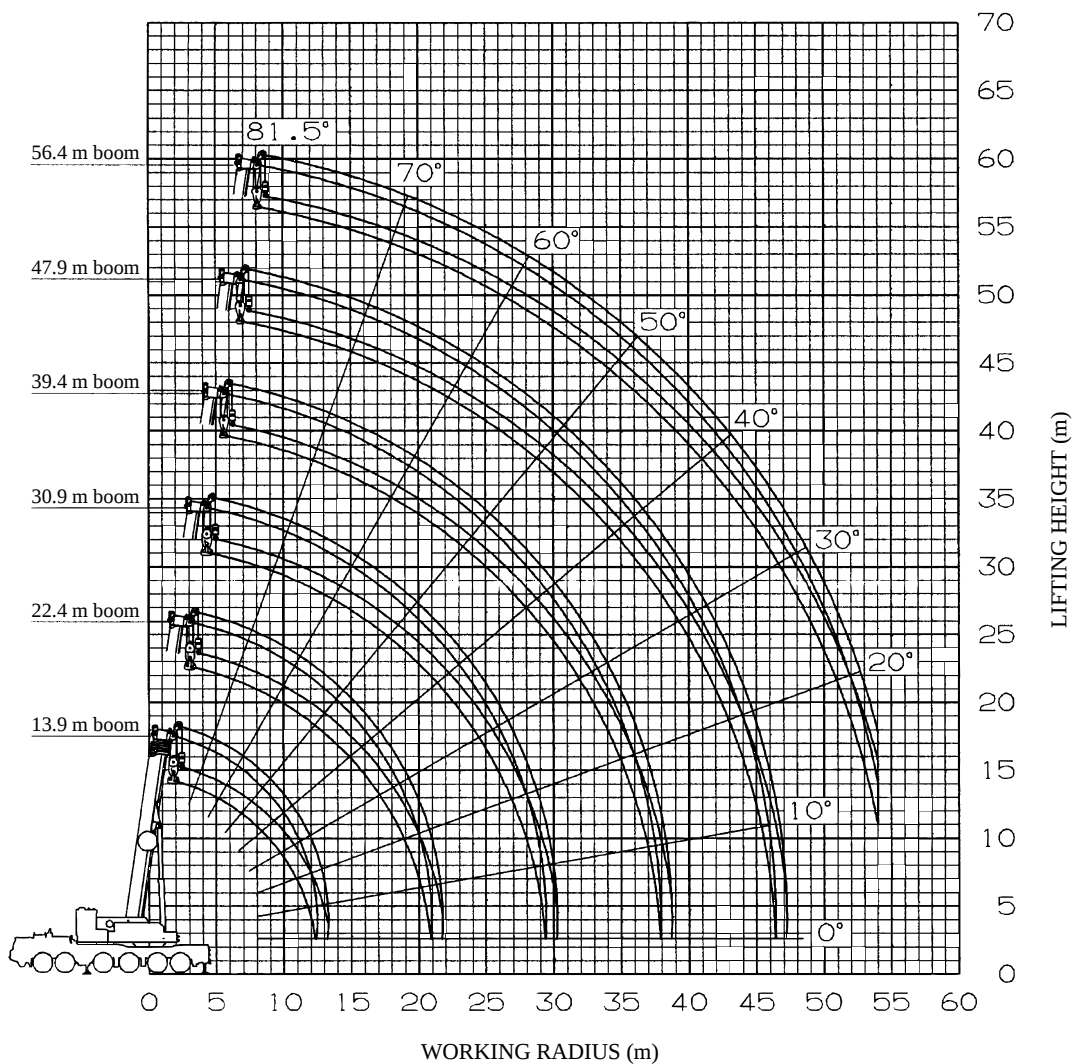
Unit: ton

Performance blocks	1		
Performance numbers	1	2	3
Boom length (m)	13.9	18.2	22.4
Working radius (m)			
3.0	25.0	25.0	
3.5	25.0	25.0	
4.0	25.0	25.0	25.0
4.5	22.5	25.0	25.0
5.0	17.6	21.5	22.9
6.0	11.1	14.5	15.9
7.0	6.8	10.1	11.4
8.0	3.9	6.9	8.2
9.0		4.6	5.9
10.0			4.1
The maximum load without a pin	25.0	25.0	25.0
θ (°)	47 ~ 81.5	55 ~ 81.5	61 ~ 81.5
Boom stage telescoping condition (telescoping rate %)			
2nd boom	0	0	0
3rd boom	0	0	0
4th boom	0	0	0
5th boom	0	0	0
6th boom	0	46	92
Standard hook	80t		
The weights of the hooks	1360kg		
Standard number of part lines	7		

Note: a 0 t counterweight and 2.7 m outrigger extension width (Over side).

WORKING RADIUS - LIFTING HEIGHT

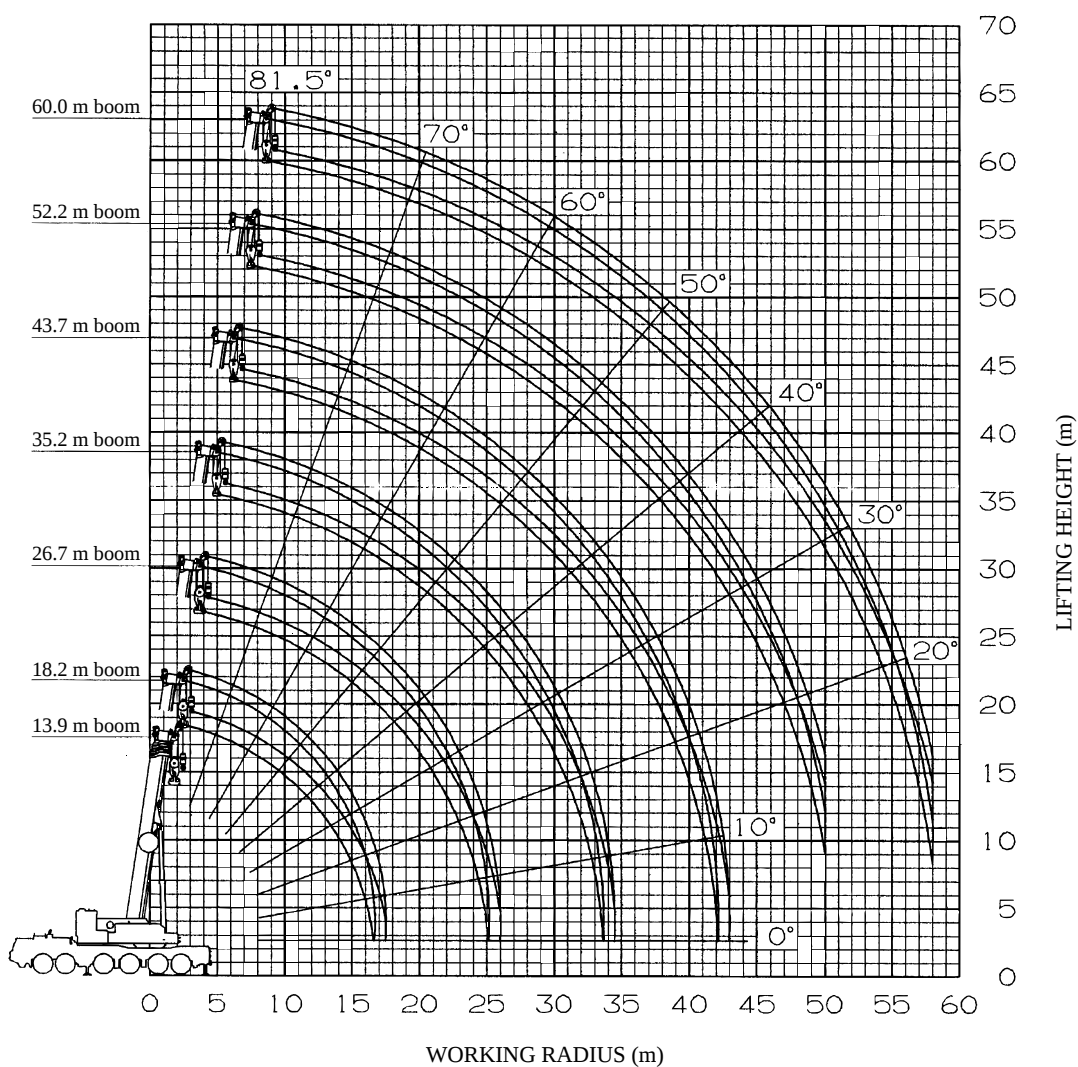
56.4 m boom



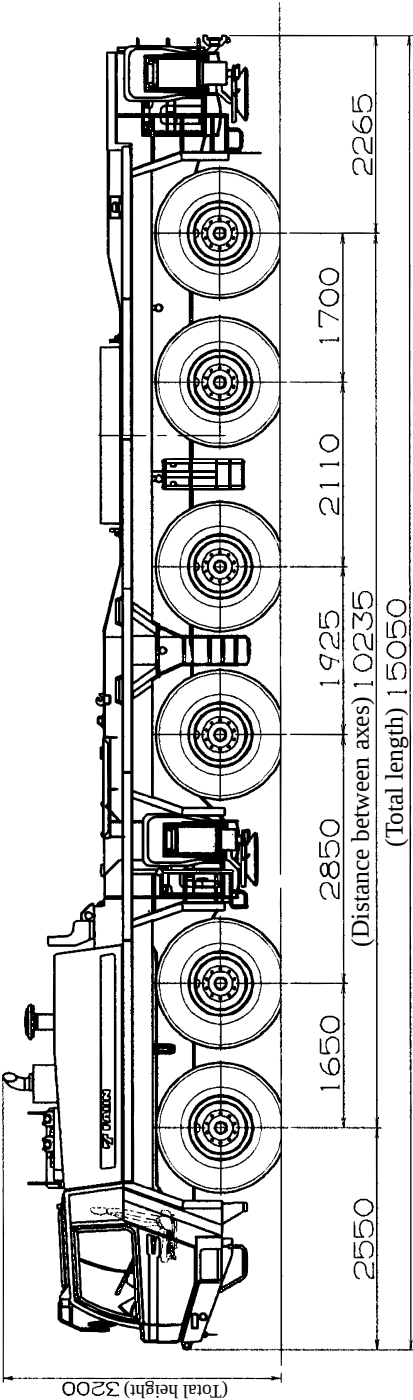
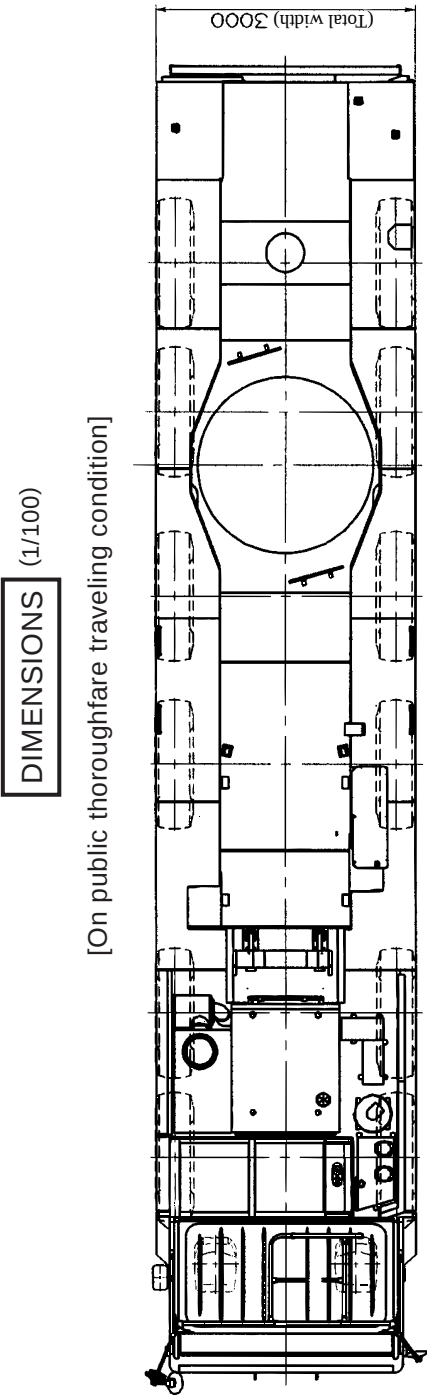
NOTES:

1. The deflection of the boom is not incorporated in the figure above.
2. The above figure is maximum load radius for Performance A to D.

60.0 m boom

**NOTES:**

1. The deflection of the boom is not incorporated in the figure above.
2. The above figure is maximum load radius for Performance A to D.



DIMENSIONS (1/100)
[On-site traveling condition]

