CX SOO HYDRAULIC CRAWLER CRANE

Specifications







CRAWLER	■Dimensions ■Specifications······
CRANE	■Working Ranges ······
	■Crane Ratings(Main Boom in 360° Working Area) · · · · · 10
	■Crane Ratings(Auxiliary Jib in 360* Working Area) ··········· 12
	Crane Ratings(Main Boom with Auxiliary Jib in 360* Working Area)
	■Crane Ratings(Jib in 360° Working Area) ········· 16
	Crane Ratings(Main Boom with Jib in 360* Working Area) 24
	Crane Boom Construction Crane Jib Construction Component Weights and Dimensions for Transport
FULL-LUFFING	Dimensions Tower Jib Construction
TOWER CRANE	Specifications
	Rated loads for 27m Tower Crane Working Ranges · · · · · 34
	Rated loads for 30m Tower Crane Working Ranges · · · · · 35
	Rated loads for 33m Tower Crane Working Ranges · · · · · 36
	Rated loads for 36m Tower Crane Working Ranges ····· 3
	Rated loads for 39m Tower Crane Working Ranges ····· 38
	Rated loads for 42m Tower Crane Working Ranges ····· 40
	Rated loads for 45m Tower Crane Working Ranges ····· 42
	Tower Boom Construction Tower Jib Construction
	Component Weights and Dimensions for Transport · · · · · · 4
CLAMSHELL	■Dimensions ■Specifications ■Working Ranges ■Clamshell Bucket ·········· 49
TECHNICAL	Standard and Optional Equipment 46.4

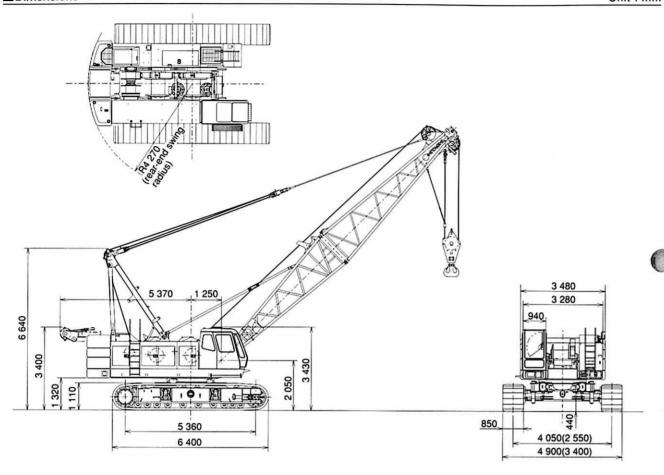
Note: "Ton" or "t" implies metric tons in this catalog.

CRAWLER CRANE



Dimensions

Unit: mm



Dimensions shown in () are with side frames fully retracted.

■ Specifications

Maximum rated load ton×m	90×4
Basic boom length m	13
Max. boom length m	61
Jib length m	10-28
Max. boom with jib length m	49+28
Line speeds*	
Main hoist drum mimin	105/60/30
Aux. hoist drum m/min	105/60/30
Boom hoist drum m/min	55
Swing speed min-1 (rpm)	2.7 (2.7)
Travel speed km/h	1.6/1.1
Gradeability % (°)	30 (16)
Engine model	Mitsubishi 6D24-T
Rated horsepower kWmin-1 (PSrpm)	184/2 000 (250/2 000)
Ground pressure kPa (kgf/cm²)	89 (0.91)
Operating weight ton	87.5 (Equipped with 13m boom and 90ton capacity book)



Engine

Model Mitsubishi 6D24-T

Type Water-cooled, 4-cycle, 6-cylinder,

direct fuel injection type diesel engine

Rated horsepower 184 kW (250 PS) at 2 000 min-1

(DIN 6 271, net) (2 000 rpm)

Maximum torque 981 N·m (100 kgf·m) at 1400 min-1

(1 400 rpm)

Piston displacement 11.945 L Fuel tank capacity 415 L Electric system DC 24 V



Main and Auxiliary Hoist Mechanism

- The Hitachi CX900 is equipped with dual hoist mechanisms, each consisting of independent main and auxiliary hoist drums driven by a hydraulic motor.
- Hoisting and lowering the load is achieved by forward/reverse rotation of the hydraulic motor.
- Power lowering is carried out with a hydraulic brake.
- Hoisting and lowering can be carried out at three speeds-fast, medium and slow-to suit job requirements.
- Each drum is fitted with a friction band-type brake. This allows free fall (rapid lowering) of the hook.
- •Main and auxiliary hoist drums are each fitted with a pawl-type drum lock to positively hold the load in the air.
- The drum brake is an external contracting friction band-type using durable non-asbestos lining.
- The brake is controlled by the hydraulic servo system to reduce control force. Two brake modes are available; auto brake or free



Boom Hoist Mechanism

- Boom hoisting/lowering is done by forward/reverse rotation of a hydraulic motor. Boom lowering is made by power lowering through a hydraulic brake.
- Both hydraulic brake and spring-set/hydraulic-released multiplate disc type brake offer positive stopping of the boom. When the boom is hoisted or lowered, brakes are automatically released.
- Drum pawl lock is manually controlled from operator's seat.



Swing Mechanism

- Independent operation
- Driven by two hydraulic motors through reduction gear. Swing speeds are freely controllable from zero to maximum speed with a single lever.

Swing Brake

The disc-type swing brake can be hydraulically applied by the brake switch on the swing lever.

Swing Lock

Manual mechanical-lock with a rod tip engaged in the holder of the track frame for transportation.

Swing Circle

Single-row shear-type ball bearing with heat-treated internal gear.



Revolving Frame

All welded steel construction, stress-relieved, precision-machined for rigidity and strength

Gantry

Lowerable for transportation

Counterweight

Welded structure, total weight 31 300 kg Consisting of 4 sections: One 8 580 kg

> One 7 350 kg One 7 170 kg

One 8 170 kg

Notes:1. Data is expressed in SI units, along with convertional units in (). 2. Line speeds marked with an asterisk (*) will vary with the load.



Tubular Chord Crane Boom

1 500 mm wide by 1 500 mm deep at connection, lattice construction using high-tensile steel tubular chords

Basic boom Total length 13.0 m, 2-piece construction; upper section 6.5 m and lower section 6.5 m

Boom point Offset boom point, 4 sheaves (560 mm PCD) mounted on anti-friction bearings on boom top

Boom inserts 3.0 m, 6.0 m and 9.0 m long available

Connection type ... Pin-connected

Boom backstop ... Dual-rail, telescopic tubular construction with

spring damper

Boom hoist bridle. Serves as connection between pendants and boom hoist wire rope reeving, equipped with

6 sheaves (420 mm PCD) for 12-part boom hoist wire rope reeving

Crane Jib

940 mm wide by 750 mm deep at connection, lattice construction using high-tensile steel tubular chords

Jib length	Total length 10.0 m, 2-piece construction; upper
•	section 5.0 m and lower section 5.0 m
Jib point	1 sheave (560 mm PCD) mounted on anti-
	friction bearings on jib top
lib incort	6.0 m long available

Jib insert 6.0 m long available Connection type... Pin-connected

Auxiliary jib Optional. Attachable to the main boom top to hoist the light load quickly with a single rope

Note: Boom insert, crane jib, or auxiliary jib can be attached to the basic boom when needed. However, both crane jib and auxiliary jib cannot be attached simultaneously to the boom.

Tubular Chord Tower Crane Boom

1 500 mm wide by 1 500 mm deep at connection, lattice construction using high-tensile steel tubular chords

Tower boom length .. 27.0 m, minimum

45.0 m. maximum Tower inserts 3.0 m, 6.0 m and 9.0 m tower inserts are in

common with crane boom inserts

Connection type.....Pin-connected

Tower backstop.....Dual-rail, telescopic tubular construction with spring damper

Tower hoist bridle. Serves as connection between pendants and boom hoist wire rope reeving, equipped with 6 sheaves (420 mm PCD) for 12-par boom hoist wire rope reeving

1150 mm wide by 1150 mm deep at connection, lattice construction using high-tensile steel tubular chords

Jib length 19.0 m to 37.0 m

Jib inserts.......... 3.0 m, 6.0 m and 9.0 m long available

Connection type.... Pin-connected

Tower jib hoist bridle.. Serves as connection between tower boom

pendants and tower boom hoist wire rope reeving, equipped with 4 sheaves (504 mm PCD) for 8-part tower jib hoist wire rope reeving



Operator's Cab

All-weather, well-ventilated, roomy operator's cab with good visibility. The independent cab is insulated against noise and vibration. Sliding, fold-in windshield swings up and stores in roof. Adjustable reclining seat



•3 variable displacement piston pumps allow both independent and combined operations of all functions.

 Variable displacement piston pumps control working speeds, and make effective use of engine horsepower.

1244127427	Pump-1	Pump-2		
Type of pump	Variable displ	lacement		
Pressure setting	29.4 MPa (300 kgf/cm²)	29.4 MPa (300 kgf/cm²)		
Max. oil flow*	236 L/min	236 L/min		
· · · · · · · · · · · · · · · · · · ·	Pump-3	Pump-4		
Type of pump	Variable displacement	Gear		
Pressure setting	27.5 MPa (280 kgf/cm²)	4.9 MPa (50 kgf/cm²)		
Max. oil flow*	148 L/min	36 L/min		

* with non-loaded condition

Main and Auxiliary Hoist Motors

Swashplate-type axial piston motors with counterbalance valves

Boom Hoist Motor

Bent axis motor with counterbalance valve

Swing Motor

Swashplate-type axial piston motor

Travel Motors

Swashplate-type axial piston motors with brake valve and springset/hydraulic-released multiplate disc brake

Relief and Brake Valves

- Each hydraulic circuit incorporates large-capacity relief valves to protect circuit from overload and shock load.
- Counterbalance valves, provided for hoist motor, compensate load lowering and prevent accidental load drop if hydraulic power is suddenly reduced.
- Brake valves (consisting of relief valve and counterbalance valve) are provided for travel circuit.

Pressure Settings

Main Circuit

Main relief valves

Overload relief valves

Hoist (main and aux.) circuits 30.8 MPa (315 kgf/cm²) Pilot Circuit

■Main relief valve 4.9 MPa (50 kgf/cm²)

High-filtration 10 μ m full-flow filter element is incorporated in the return line. Pilot filter and suction filter are provided in each circuit.

Traction mechanism

- •Each track is driven by a swashplate-type axial piston motor through reduction gear. This mechanism allows counterrotation of tracks for maneuverability in close quarters.
- •When the lever is in neutral position, both hydraulic brake and spring-set/hydraulic-released multiplate disc brake are automatically applied for stopping.

Track Frame

All-welded, stress-relieved, box-section construction

Side Frames

Side frames of all-welded construction can be retracted for transportation.

Self-Loading Device / Side Frame Removal Device (Optional)

With the self-loading device/side frame removal device, the basic machine can be jacked up and loaded on to a trailer, and both side frames can be removed. Travel motor piping is connected via selfseal couplings for quick disconnection.

Track Shoes

Heat-treated alloy steel castings with induction-hardened roller path and driving lugs. Shoes are connected by induction-hardened

No. of upper rollers (each side)	4
No. of lower rollers (each side)	10
No. of track shoes (each side)	55
Shoe width	850 mm



Boom, Main and Auxiliary Hoist, Swing and Travel

Remote controlled hydraulic servo. Working speed can be precisely controlled according to lever stroke.

●Electric Accelerator Grip

Engine horsepower can be controlled according to job needs by electric finger-touch grip atop the swing lever, accelerator lever and accelerator pedal

Monitor Telling Machine Conditions

With the monitor, the operator can check, at a glance, engine oil pressure, water temperature and fuel level, as well as levels of hydraulic oil, engine oil and coolant. The red light turns on and the buzzer sounds in the event of an abnormality.





Boom Angle Indicator

Mechanical-type boom angle indicator is provided at boom foot.

Counterbalance Valves (Brake Valves)

Counterbalance valves are each incorporated in travel motors. boom hoist motor, and main and auxiliary hoist motors. If the hydraulic line is broken, this valve is automatically actuated to prevent motor rotation.

Spring-Set/Hydraulic-Released Multiplate Disc Type Travel **Brakes**

Swing Lock and Swing Parking Brake

Drum Locks (Electric Type)

A pawl-type drum locks, provided at main drum, auxiliary drum and boom drum, are automatically applied when the engine key is set to OFF or ACC position.

Devices for Crane Operation

Moment Limiter

On the moment limiter, analog displays and pictorial load indications are functionally arranged for easy reading.

Hook Overhoist Prevention Device

When the hook reaches its hoist limit, the bell sounds and the auto-stop automatically actuates at the same time.

●Boom Overhoist Prevention Device

When the boom reaches its angle limit, the buzzer alarm sounds and boom hoisting automatically stops at the same time. The telescopic-type boom backstop is also provided.

Secondary Boom Overhoist Prevention Device

In addition to the hook overhoist prevention device and boom overhoist prevention device, the secondary boom overhoist prevention device is provided. It actuates at a boom angle of 82° to avoid overhoisting of the boom and/or hook.

●Pilot Control Shut-off Lever

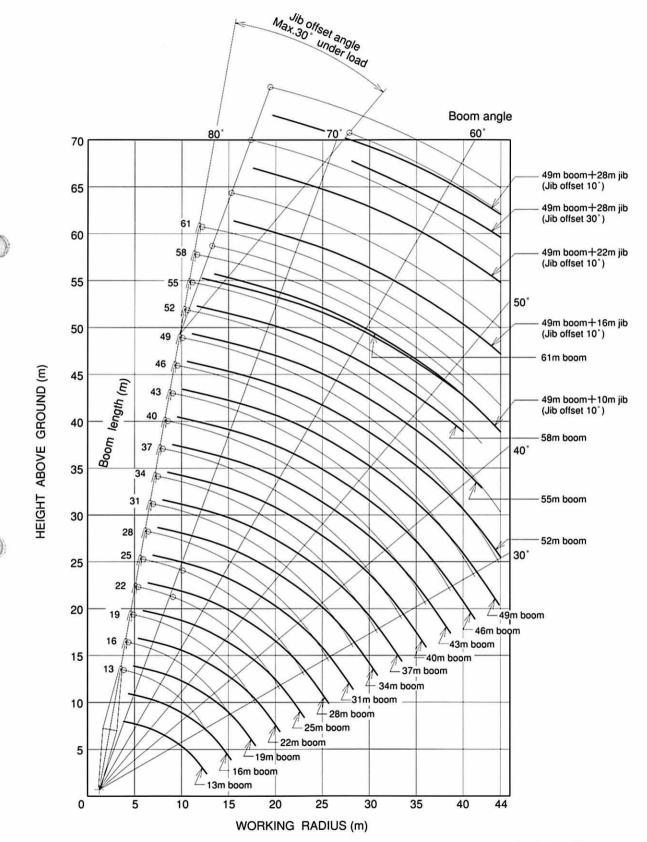
The pilot control shut-off lever shuts out the hydraulic pilot pressure to pilot control valves. With the pilot control shut-off lever in the LOCK position, the machine will not operate even if the lever is accidentally shifted.

●Fail-safe mechanism

The related movements stop automatically if an electric wire is broken or an electric device fails.

· 在 · · · · · · · · · · · · · · · · · ·	Liter
Fuel tank	415
Engine coolant	47
Engine oil	45
Pump transmission	2
Boom hoist reduction device	10
Winch hoist reduction device	19.5 x 2
Swing reduction device	17 x 2
Travel final device	25 x 2
Hydraulic system, including tank capacity	335
Hydraulic tank	255

■ Working Ranges



Note: Working ranges shown are under unloaded condition.

■ Crane Ratings (Main Boom in 360° Working Area)

Working Radius	***	Boom Length (m)													
Radius (m)	13	16	- 19	22	25	28	31	34	37						
4.0	90.00														
4.5	80.50	4.6m×78.45t													
5.0	70.80	70.60	5.1m×68.25t												
5.5	60.85	60.65	60.55	5.7m×57.25t											
6.0	53.35	53.10	53.00	52.95	6.2m×50.30t										
6.5	47.40	47.20	47.05	47.00	46.90	6.7m×44.00t									
7.0	42.65	42.40	42.25	42.20	42.10	42.05	7.3m×39.45t	7.8m×35.75t							
8.0	35.45	35.20	35.05	35.00	34.85	34.80	34.65	34.50	8.4m×32.15t						
9.0	30.25	30.00	29.85	29.75	29.65	29.55	29.40	29.30	29.25						
10.0	26.35	26.05	25.90	25.85	25.70	25.65	25.45	25.35	25.25						
12.0	20.60	20.55	20.35	20.30	20.15	20.05	19.90	19.75	19.70						
14.0	12.6m×18.40t	16.85	16.65	16.55	16.40	16.35	16.15	16.05	15.95						
16.0		15.2m×14.90t	14.05	13.90	13.75	13.70	13.50	13.35	13.30						
18.0			17.8m×12.25t	11.95	11.80	11.70	11.50	11.35	11.30						
20.0		14173111		10.40	10.25	10.15	9.95	9.80	9.70						
22.0				20.4m×10.15t	9.00	8.90	8.70	8.55	8.45						
24.0					23.0m×8.50t	7.90	7.70	7.55	7.45						
26.0						25.6m×7.20t	6.85	6.70	6.60						
28.0							6.15	6.00	5.90						
30.0	*****	*****	*******	*******	南京 泰亚 安全 等	经等点完全也不定	28.2m×6.10t	5.40	5.25						
32.0								30.8m×5.20t	4.75						
33.4									4.45						

Working	书传书传及由名安	Boom Length (m)												
Radius (m)	40	43	46	49	52	55	58	61						
8.9	29.50													
9.0	29.05	9.5m×26.85t												
10.0	25.10	25.00	24.85	10.6m×22.00t	11.1m×21.25t	11.7m×19.60t	*******	计算符号图录标准						
12.0	19.55	19.40	19.25	19.20	19.05	18.90	12.2m×17.30t	12.8m×15.00t						
14.0	15.80	15.65	15.50	15.45	15.30	15.15	15.00	14.50						
16.0	13.10	12.95	12.85	12.75	12.60	12.45	12.30	12.15						
18.0	11.10	10.95	10.80	10.75	10.60	10.45	10.30	10.10						
20.0	9.55	9.40	9.25	9.15	9.05	8.90	8.70	8.55						
22.0	8.30	8.15	8.00	7.90	7.75	7.60	7.45	7.30						
24.0	7.25	7.10	6.95	6.90	6.75	6.60	6.40	6.25						
26.0	6.40	6.25	6.10	6.00	5.90	5.75	5.55	5.35						
28.0	5.70	5.55	5.40	5.30	5.15	4.95	4.75	4.50						
30.0	5.10	4.95	4.80	4.65	4.45	4.25	4.05	3.80						
32.0	4.55	4.40	4.20	4.05	3.85	3.65	3.45	3.20						
34.0	4.10	3.90	3.70	3.55	3.35	3.15	2.90	2.70						
36.0	3.65	3.45	3.25	3.05	2.90	2.70	2.45	2.25						
38.0		3.05	2.85	2.65	2.50	2.30	2.05	1.80						
40.0	*******	38.6m×2.95t	2.50	2.30	2.10	1.90	1.70	39.7m×1.50t						
42.0			41.2m×2.30t	2.00	1.80	1.60	41.1m×1.50t							
44.0				43.8m×1.75t	1.50	42.6m×1.50t								

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

- 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation among the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook Hook Capacity Weight (ton) (ton)	22224	Maximum Rated Load (ton)									
	(ton)	8	7	6	5	4	3	2	NAME OF STREET		
90	0.97	90	77	66	55	44	-		N=2		
45	0.62	-	_	_	:-:	44	33	22	21—2		
22	0.60	_	-	_	-	-	-	22	=		

75% Tipping Load (PCSA Rating)

■ Crane Ratings (Main Boom in 360° Working Area)

Working	Boom Length (m)												
Working Radius (m)	13	16	19	22	25	28	31	34	37				
4.0	90.00												
4.5	80.50	4.6m×78.45t											
5.0	68.55	68.40	5.1m×66.10t										
5.5	58.95	58.75	58.65	5.7m×55.45t									
6.0	51.65	51.45	51.30	51.25	6.2m×48.70t								
6.5	45.90	45.70	45.55	45.50	45.40	6.7m×43.40t							
7.0	41.30	41.05	40.95	40.90	40.80	40.70	7.3m×38.20t	7.8m×34.65t					
8.0	34.30	34.05	33.95	33.90	33.75	33.70	33.55	33.45	8.4m×31.15				
9.0	29.30	29.05	28.90	28.85	28.70	28.65	28.50	28.35	28.30				
10.0	25.50	25.25	25.10	25.00	24.90	24.85	24.65	24.55	24.50				
12.0	20.20	19.90	19.75	19.65	19.50	19.45	19.30	19.15	19.10				
14.0	12.6m×18.40t	16.35	16.15	16.05	15.90	15.85	15.65	15.55	15.45				
16.0		15.2m×14.70t	13.60	13.50	13.35	13.25	13.10	12.95	12.90				
18.0			17.8m×11.85t	11.60	11.40	11.30	11.15	11.00	10.95				
20.0	1345465	****	中华中洋京安全市	10.10	9.90	9.80	9.65	9.50	9.45				
22.0				20.4m×9.85t	8.75	8.60	8.45	8.30	8.20				
24.0					23.0m×8.25t	7.65	7.45	7.30	7.25				
26.0						25.6m×7.00t	6.65	6.50	6.40				
28.0							5.95	5.80	5.70				
30.0	******	******	*****	********	*******	******	28.2m×5.90t	5.25	5.15				
32.0								30.8m×5.05t	4.60				
34.0									33.4m×4.301				

Working	Boom Length (m)												
Radius (m)	40	43	46	49	52	55	58	61					
8.0	8.9m×28.60t												
9.0	28.15	9.5m×26.00t											
10.0	24.35	24.20	24.10	10.6m×22.00t	11.1m×20.60t	11.7m×19.00t	*****	不不管 有有 有不不					
12.0	18.95	18.80	18.65	18.60	18.45	18.35	12.2m×17.30t	12.8m×15.00					
14.0	15.30	15.15	15.05	14.95	14.85	14.70	14.55	14.40					
16.0	12.70	12.60	12.45	12.35	12.25	12.10	11.95	11.80					
18.0	10.75	10.65	10.50	10.40	10.30	10.15	10.00	9.80					
20.0	9.25	9.10	8.95	8.90	8.75	8.60	8.45	8.30					
22.0	8.05	7.90	7.75	7.70	7.55	7.40	7.25	7.05					
24.0	7.05	6.90	6.75	6.70	6.55	6.40	6.25	6.05					
26.0	6.25	6.10	5.95	5.85	5.70	5.55	5.40	5.25					
28.0	5.55	5.40	5.25	5.15	5.00	4.85	4.70	4.50					
30.0	4.95	4.80	4.65	4.55	4.40	4.25	4.05	3.80					
32.0	4.45	4.30	4.15	4.05	3.85	3.65	3.45	3.20					
34.0	4.00	3.85	3.70	3.55	3.35	3.15	2.90	2.70					
36.0	3.60	3.45	3.25	3.05	2.90	2.70	2.45	2.25					
38.0		3.05	2.85	2.65	2.50	2.30	2.05	1.80					
40.0	******	38.6m×2.95t	2.50	2.30	2.10	1.90	1.70	39.7m×1.50					
42.0			41.2m×2.30t	2.00	1.80	1.60	41.1m×1.50t						
44.0				43.8m×1.75t	1.50	42.6m×1.50t							

Notes: 1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

- 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation among the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook Hook Weight (ton) (ton)	Hook	ok Maximum Rated Load (ton)									
	(ton)	8	7	6	5	4	3	2	1		
90	0.97	90	77	66	55	44	(-)	? ==	_		
45	0.62	-	-	-	-	44	33	22	_		
22	0.60	-	(- 1)	-	-	-	-	22	_		



■Crane Batings (Auxiliary Jib in 360° Working Area)

Working	********		*******	Boom L	ength (m)		COLUMN TO THE THE	*****
Radius (m)	13	16	19	22	25	28	31	34
4.8	11.00							
5.0	11.00	5.3m×11.00t						
5.5	11.00	11.00	5.9m×11.00t					
6.0	11.00	11.00	11.00	6.4m×11.00t				
6.5	11.00	11.00	11.00	11.00				
7.0	11.00	11.00	11.00	11.00	11.00	7.5m×11.00t		
8.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	8.6m×11.00t
9.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
10.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
12.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
14.0	11.00	11.00	11.00	11.00 -	11.00	11.00	11.00	11.00
16.0		11.00	11.00	11.00	11.00	11.00	11.00	11.00
18.0		16.6m×11.00t	11.00	11.00	11.00	11.00	11.00	11.00
20.0	****		19.2m×10.95t	10.25	10.05	9.95	9.75	9.60
22.0				21.8m×9.15t	8.80	8.70	8.50	8.35
24.0					7.80	7.70	7.50	7.30
26.0					24.4m×7.65t	6.85	6.65	6.45
28.0						27.0m×6.50t	5.95	5.75
30.0	· · · · · · · · · · · · · · · · · · ·	在原本管理者等在在	(安全安全安全等)	· · · · · · · · · · · · · · · · · · ·		24599+098	29.6m×5.45t	5.15
32.0								4.65
32.2								4.60

Working	****	********	890555555 400545555	Boom Length (m	********	******	111111111
Radius (m)	37	40	43 44 4	46	49	52	55
9.1	11.00	9.7m×11.00t					
10.0	11.00	11.00	10.2m×11.00t	10.8m×11.00t	11.3m×11.00t	11.9m×11.00t	*******
12.0	11.00	11.00	11.00	11.00	11.00	11.00	12.4m×11.00t
14.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00
16.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00
18.0	11.00	10.90	10.75	10.60	10.50	10.35	10.20
20.0	9.50	9.30	9.15	9.00	8.95	8.80	8.65
22.0	8.25	8.05	7.90	7.75	7.65	7.50	7.35
24.0	7.20	7.05	6.90	6.70	6.65	6.45	6.30
26.0	6.35	6.20	6.00	5.85	5.75	5.60	5.45
28.0	5.65	5.45	5.30	5.15	5.00	4.80	4.60
30.0	5.05	4.85	4.65	4.45	4.30	4.10	3.90
32.0	4.50	4.30	4.05	3.85	3.70	3.50	3.30
34.0	4.00	3.75	3.55	3.35	3.20	3.00	2.80
36.0	34.8m×3.85t	3.30	3.10	2.90	2.75	2.55	2.30
38.0		37.4m×3.05t	2.70	2.50	2.30	2.10	1.90
40.0	*****	********	2.35	2.15	1.95	1.75	1.55
42.0				1.85	1.65	41.6m×1.50t	40.2m×1.50t
42.6				1.75			

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3ton.
- 5. Be sure to fully extend the side frames before operating the machine.

75% Tipping Load (PCSA Rating)

■ Crane Ratings (Auxiliary Jib in 360° Working Area)

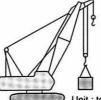
Working Radius	用于外面1万寸分 点	******		Boom I	ength (m)			******
Radius (m)	13	16	19	22	25	28	31	34
4.8	11.00							
5.0	11.00	5.3m×11.00t						
5.5	11.00	11.00	5.9m×11.00t					
6.0	11.00	11.00	11.00	6.4m×11.00t				
6.5	11.00	11.00	11.00	11.00				
7.0	11.00	11.00	11.00	11.00	11.00	7.5m×11.00t		
8.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	8.6m×11.00t
9.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
10.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
12.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
14.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
16.0		11.00	11.00	11.00	11.00	11.00	11.00	11.00
18.0		16.6m×11.00t	11.00	11.00	11.00	11.00	10.95	10.85
20.0	10000000000000000000000000000000000000	****	19.2m×10.60t	9.95	9.75	9.65	9.45	9.30
22.0				21.8m×8.85t	8.55	8.45	8.25	8.10
24.0					7.60	7.45	7.25	7.10
26.0					24.4m×7.40t	6.65	6.45	6.30
28.0						27.0m×6.30t	5.75	5.60
30.0	******	********	****	*******	****		29.6m×5.30t	5.00
32.0								4.50
34.0								32.2m×4.45t

Working	· 在 · · · · · · · · · · · · · · · · · ·		*********	Boom Length (m	******	******	*********
Radius (m)	37	40	43	4 4 4 4 4 4 4 4 4	+ + + 49 + + + +	52	55
9.0	9.1m×11.00t	9.7m×11.00t					
10.0	11.00	11.00	10.2m×11.00t	10.8m×11.00t	11.3m×11.00t	11.9m×11.00t	
12.0	11.00	11.00	11.00	11.00	11.00	11.00	12.4m×11.00t
14.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00
16.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00
18.0	10.75	10.60	10.45	10.30	10.20	10.05	9.90
20.0	9.25	9.05	8.90	8.75	8.65	8.55	8.40
22.0	8.00	7.85	7.70	7.55	7.45	7.30	7.15
24.0	7.00	6.85	6.70	6.55	6.45	6.30	6.15
26.0	6.20	6.00	5.85	5.70	5.60	5.45	5.30
28.0	5.50	5.30	5.15	5.00	4.90	4.75	4.60
30.0	4.90	4.70	4.55	4.40	4.30	4.10	3.90
32.0	4.40	4.20	4.05	3.85	3.70	3.50	3.30
34.0	3.95	3.75	3.55	3.35	3.20	3.00	2.80
36.0	34.8m×3.80t	3.30	3.10	2.90	2.75	2.55	2.30
38.0		37.4m×3.05t	2.70	2.50	2.30	2.10	1.90
40.0	· 法不行 2 · 克克斯	******	2.35	2.15	1.95	1.75	1.55
42.0				1.85	1.65	41.6m×1.50t	40.2m×1.50t
42.6				1.75			

Notes:1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.



■ Crane Ratings (Main boom with Auxiliary Jib in 360° Working Area)

Working Radius	16. 正丁丁子的 中央中央	*******	· · · · · · · · · · · · · · · · · · ·	Boom L	ength (m)	· · · · · · · · · · · · · · · · · · ·	中华安全等中央工艺	*******
Radius (m)	13	16	19	22	25	28	31	34
4.0	89.65							
4.5	80.15	4.6m×78.10t						
5.0	70.40	70.20	5.1m×67.90t					
5.5	60.50	60.25	60.15	5.7m×56.85t				
6.0	52.95	52.70	52.60	52.55	6.2m×49.90t			
6.5	47.05	46.80	46.65	46.60	46.50	6.7m×44.00t		
7.0	42.25	42.00	41.90	41.80	41.70	41.65	7.3m×39.00t	7.8m×35.35t
8.0	35.05	34.80	34.65	34.60	34.45	34.40	34.20	34.10
9.0	29.90	29.60	29.45	29.40	29.25	29.20	29.00	28.85
10.0	25.95	25.70	25.55	25.45	25.30	25.25	25.05	24.90
12.0	20.10	20.15	20.00	19.90	19.75	19.65	19.50	19.35
14.0	12.6m×17.95t	16.50	16.30	16.20	16.05	15.95	15.75	15.60
16.0		15.2m×14.40t	13.70	13.55	13.40	13.30	13.10	12.95
18.0			17.8m×11.85t	11.60	11.40	11.30	11.10	10.95
20.0		中华七年市省场市场		10.05	9.85	9.75	9.55	9.40
22.0				20.4m×9.80t	8.65	8.50	8.30	8.15
24.0					23.0m×8.15t	7.55	7.30	7.15
26.0			_			25.6m×6.85t	6.50	6.30
28.0							5.80	5.60
30.0	111111111	*******	(中国治疗法治不及)	*******	******	******	28.2m×5.75t	5.00
30.8								4.80

Working	*****	· 中央市外有企业企业。	*******	Boom Length (m)	******	カモリカを方を出る。	查查查查查查查表表表
Radius (m)	37	40	43	46	49	52	55
8.4	31.75	8.9m×29.10t					
9.0	28.80	28.65	9.5m×26.40t				
10.0	24.85	24.70	24.55	24.40	10.6m×22.00t	11.1m×20.80t	11.7m×19.15t
12.0	19.30	19.10	18.95	18.80	18.75	18.60	18.45
14.0	15.55	15.35	15.20	15.05	15.00	14.85	14.70
16.0	12.90	12.70	12.55	12.40	12.30	12.15	12.00
18.0	10.85	10.70	10.55	10.35	10.30	10.15	10.00
20.0	9.30	9.10	8.95	8.80	8.70	8.55	8.40
22.0	8.05	7.85	7.70	7.55	7.45	7.30	7.15
24.0	7.05	6.85	6.70	6.55	6.45	6.30	6.15
26.0	6.20	6.00	5.85	5.70	5.60	5.45	5.25
28.0	5.50	5.30	5.15	4.95	4.85	4.70	4.55
30.0	4.90	4:70	4.55	4.35	4.25	4.10	3.95
32.0	4.40	4.15	4.00	3.85	3.70	3.55	3.40
34.0	33.4m×4.00t	3.70	3.55	3.35	3.25	3.10	2.95
36.0		3.20	3.15	2.95	2.85	2.70	2.50
38.0			2.65	2.60	2.50	2.35	2.15
40.0	*******	********	38.6m×2.50t	2.15	2.15	2.00	1.85
42.0				41.2m×1.85t	1.70	1.65	1.55
44.0					42.8m×1.50t	42.7m×1.50t	42.2m×1.50t

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

- 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

 Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation among the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook Capacity (ton)	Hook Weight (ton)	Maximum Rated Load (ton)									
		8	7	6	- 5	A - 4 - 4 - 6	3 4 4	2			
90	0.97	90	77	66	55	44	-	-			
45	0.62	-	-	-	-	44	33	22	_		
22	0.60	-	-	-	-		-	22	-		

75% Tipping Load (PCSA Rating)

2

■ Crane Ratings (Main boom with Auxiliary Jib in 360° Working Area)

Working	FEETS-FEET	等于领导状态安全企业	· · · · · · · · · · · · · · · · · · ·	Boom I	ength (m)	******	化化水水水水油水水	********
Radius (m)	13	16	19	22	25	28	31	34
4.0	89.65							
4.5	80.15	4.6m×78.10t						
5.0	68.20	68.00	5.1m×65.75t					
5.5	58.60	58.35	58.25	5.7m×55.05t				
6.0	51.30	51.05	50.95	50.90	6.2m×48.30t			
6.5	45.55	45.35	45.20	45.15	45.05	6.7m×43.00t		
7.0	40.95	40.70	40.55	40.50	40.40	40.35	7.3m×37.80t	7.8m×34.25t
8.0	33.95	33.70	33.60	33.50	33.40	33.30	33.15	33.05
9.0	28.95	28.70	28.55	28.45	28.35	28.25	28.10	27.95
10.0	25.15	24.90	24.75	24.65	24.55	24.45	24.30	24.15
12.0	19.85	19.55	19.40	19.30	19.15	19.05	18.90	18.75
14.0	12.6m×17.95t	16.00	15.80	15.70	15.55	15.45	15.30	15.15
16.0		15.2m×14.40t	13.25	13.15	13.00	12.90	12.70	12.55
18.0			17.8m×11.55t	11.25	11.05	10.95	10.75	10.65
20.0	*******	********	· · · · · · · · · · · · · · · · · · ·	9.75	9.60	9.45	9.25	9.10
22.0				20.4m×9.50t	8.40	8.25	8.05	7.90
24.0					23.0m×7.90t	7.30	7.10	6.95
26.0						25.6m×6.65t	6.30	6.15
28.0							5.65	5.45
30.0	*******	· 中央原列的中央市场	*******	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	*****		28.2m×5.55t	4.90
32.0								30.8m×4.70t

Working	********	*******	******	Boom Length (m	· 中于共产的市场	5.同意特殊原序被持续	*****
Radius (m)	37	40	43		49	52	55
8.0	8.4m×30.75t	8.9m×28.20t					
9.0	27.90	27.75	9.5m×25.60t				
10.0	24.10	23.90	23.80	23.65	10.6m×21.70t	11.1m×20.15t	11.7m×18.55t
12.0	18.70	18.50	18.40	18.25	18.15	18.05	17.90
14.0	15.05	14.90	14.75	14.60	14.55	14.40	14.25
16.0	12.50	12.30	12.15	12.00	11.95	11.80	11.65
18.0	10.55	10.35	10.20	10.05	10.00	9.85	9.70
20.0	9.05	8.85	8.70	8.55	8.45	8.30	8.15
22.0	7.85	7.65	7.50	7.35	7.25	7.10	6.95
24.0	6.85	6.65	6.50	6.35	6.25	6.10	5.95
26.0	6.05	5.85	5.70	5.55	5.45	5.30	5.15
28.0	5.35	5.15	5.00	4.85	4.75	4.60	4.45
30.0	4.75	4.55	4.40	4.25	4.15	4.00	3.85
32.0	4.25	4.05	3.90	3.75	3.65	3.45	3.30
34.0	33.4m×3.95t	3.60	3.45	3.30	3.20	3.00	2.85
36.0		3.20	3.05	2.90	2.80	2.65	2.45
38.0			2.65	2.55	2.45	2.30	2.10
40.0	******	· · · · · · · · · · · · · · · · · · ·	38.6m×2.50t	2.15	2.15	1.95	1.80
42.0				41.2m×1.85t	1.70	1.65	1.55
44.0					42.8m×1.50t	42.7m×1.50t	42.2m×1.50t

Notes:1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

- The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook. Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation among the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook Capacity (ton)	Hook Weight (ton)	1000000	Maximum Rated Load (ton)									
		8 8 8 8	***7***	6	5	4	3	2				
90	0.97	90	77	66	55	44	_		·			
45	0.62	_	-	-	-	44	33	22	-			
22	0.60	-	_	1 1 1	·	-	-	22	-			

Crane Batings (.lib in 360° Working Area) (1)

Main Boom Length (m)	*****	*******			34	ARREST.	The state of the state of	S 2 S 2 S 3 S 3
Jib Boom Length (m)	*******	10	*****	6	2	2		28
Offset Angle (°)		20	10	30	10	200	10	30
Working Radius (m)	10	30	****	30	10000	30	10	30
11.3	11.00							
12.0	11.00		13.4m×11.00t					
14.0	11.00	14.3m×11.00t	11.00		15.5m×9.20t			
16.0	11.00	10.60	11.00		9.05		17.6m×5.05t	
18.0	11.00	10.20	11.00	18.2m×8.55t	8.65		5.00	
20.0	9.95	9.80	10.20	8.20	8.30	******	4.70	****
22.0	8.65	8.95	8.90	7.80	7.95	22.1m×6.25t	4.50	
24.0	7.60	7.90	7.85	7.45	7.65	5.90	4.30	
26.0	6.70	6.95	6.95	7.15	7.10	5.60	4.10	3.25
28.0	6.00	6.20	6.20	6.55	6.35	5.35	3.90	3.15
30.0	5.35	5.50	5.55	5.85	5.70	5.10	3.75	3.05
32.0	4.80	4.95	5.00	5.25	5.15	4.90	3.60	3.00
34.0	4.35	4.45	4.50	4.75	4.65	4.70	3.45	2.90
36.0	3.90	4.00	4.10	4.30	4.20	4.50	3.35	2.85
38.0	3.55	3.60	3.70	3.90	3.80	4.10	3.25	2.75
40.0	3.25	3.25	3.35	3.50	3.50	3.75	3.15	2.70
42.0	40.6m×3.05t	41.2m×3.00t	3.05	3.20	3.15	3.40	3.05	2.65
44.0			2.80	2.90	2.90	3.10	2.95	2.60
46.0			2.45	2.60	2.65	2.80	2.70	2.55
48.0			46.3m×2.35t	47.2m×2.30t	2.40	2.55	2.50	2.55
50.0	*******	******	******	******	2.20	2.30	2.25	2.45
52.0					51.9m×1.80t	2.05	2.10	2.25
54.0						53.2m×1.75t	1.90	2.05
56.0							1.60	1.85
58.0							56.5m×1.50t	1.55
58.5								58.2m×1.5

								Unit : tor
Main Boom Length (m)	《中华书子文书》		**********	*****	7	电子电子电子		*****
Jib Boom Length (m)		0	******	6	2	2	**********	8==+++-
Offset Angle (°)	********	*******	20070000	*******	******	******	******	777777
Working Radius (m)	10	30	10	30	10	30	10	30
11.3	11.9m×11.00t							
12.0	11.00							
14.0	11.00	14.9m×10.95t	11.00					
16.0	11.00	10.70	11.00		16.1m×9.15t			
18.0	11.00	10.30	11.00	18.8m×8.55t	8.80		18.2m×5.00t	
20.0	9.85	9.95	10.10	8.30	8.40	1.中中电子 安全	4.80	*****
22.0	8.55	8.90	8.80	7.90	8.05	22.7m×6.20t	4.55	
24.0	7.50	7.80	7.70	7.60	7.75	6.00	4.35	
26.0	6.60	6.90	6.85	7.25	7.00	5.70	4.15	26.6m×3.25t
28.0	5.85	6.10	6.10	6.45	6.25	5.45	4.00	3.20
30.0	5.25	5.45	5.45	5.80	5.60	5.20	3.85	3.10
32.0	4.70	4.85	4.90	5.20	5.00	5.00	3.70	3.00
34.0	4.20	4.35	4.40	4.65	4.55	4.80	3.55	2.95
36.0	3.80	3.90	3.95	4.20	4.10	4.45	3.45	2.85
38.0	3.40	3.50	3.60	3.80	3.70	4.05	3.30	2.80
40.0	3.10	3.15	3.25	3.40	3.35	3.65	3.20	2.75
42.0	2.80	2.85	2.95	3.10	3.05	3.30	3.10	2.70
44.0	43.2m×2.50t	43.8m×2.40t	2.65	2.80	2.75	3.00	2.85	2.65
46.0			2.40	2.50	2.50	2.70	2.60	2.60
48.0		L	2.10	2.25	2.30	2.45	2.35	2.55
50.0	Links was a	14021596	48.9m×1.90t	49.8m×1.85t	2.10	2.20	2.15	2.40
52.0					1.85	2.00	1.95	2.15
54.0					1.50	1.75	1.75	1.95
56.0						55.1m×1.50t	1.55	1.75
58.0							56.4m×1.50t	1.60
58.5								1.50

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

78% Tipping Load (JIS Rating)

Crane Ratings (Jib in 360° Working Area) (2)

Main Boom Length (m)	****	*******		****	40		****	
Jib Boom Length (m)	****	10	*****	6	专用的有关中央	22	2	8
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
12.4	11.00							
14.0	11.00	15.4m×10.95t	14.5m×11.00t					
16.0	11.00	10.85	11.00		16.6m×9.15t			
18.0	11.00	10.45	11.00	19.3m×8.50t	8.90		18.7m×5.00t	
20.0	9.65	10.10	9.95	8.40	8.55	*******	4.85	
22.0	8.35	8.75	8.65	8.05	8.20	23.2m×6.20t	4.65	
24.0	7.30	7.65	7.55	7.70	7.75	6.10	4.45	
26.0	6.45	6.70	6.65	7.15	6.85	5.80	4.25	27.1m×3.2
28.0	5.70	5.95	5.90	6.35	6.10	5.55	4.05	3.20
30.0	5.05	5.25	5.25	5.65	5.40	5:30	3.90	3.10
32.0	4.50	4.70	4.70	5.05	4.85	5.10	3.75	3.05
34.0	4.00	4.20	4.20	4.50	4.35	4.80	3.65	2.95
36.0	3.60	3.75	3.80	4.05	3.90	4.30	3.50	2.90
38.0	3.25	3.35	3.40	3.65	3.55	3.90	3.40	2.80
40.0	2.90	3.00	3.05	3.25	3.20	3.50	3.30	2.75
42.0	2.60	2.65	2.75	2.95	2.90	3.15	2.95	2.70
44.0	2.30	2.40	2.50	2.65	2.60	2.85	2.70	2.65
46.0	45.8m×1.85t	1.90	2.25	2.35	2.35	2.55	2.45	2.60
48.0		46.4m×1.80t	2.00	2.10	2.10	2.30	2.20	2.50
50.0	*****		1.65	1.85	1.90	2.05	2.00	2.25
52.0			50.7m×1.50t	51.5m×1.50t	1.70	1.85	1.80	2.00
54.0				×	53.3m×1.50t	1.65	1.60	1.80
56.0						55.0m×1.50t	55.3m×1.50t	1.60
£7.0								1 50

- 11	nit	tor
·	1111	w

Main Boom Length (m)	(南南南安京安安省)	******	******	******	13		******	***
Jib Boom Length (m)	111111111111111111111111111111111111111	0	12121111	6	******	2 * * * * * * * * * * *		8 + 4 + 4 +
Offset Angle (°)	10	30	10.000	30	-10	30	10	30
Working Radius (m)		******		D	V-2-V-2-V-2		在中央 中央 医中毒性	使进度公司
12.4	13.0m×11.00t							
14.0	11.00		15.1m×11.00t					
16.0	11.00	10.95	11.00		17.2m×9.15t			
18.0	11.00	10.55	11.00	19.9m×8.50t	9.00		19.3m×5.00t	
20.0	9.50	10.00	9.80	8.50	8.65	2000年世纪为188	4.90	0.0125101
22.0	8.20	8.65	8.50	8.15	8.30	23.8m×6.20t	4.70	
24.0	7.15	7.50	7.40	7.80	7.60	6.15	4.50	
26.0	6.30	6.60	6.50	7.05	6.70	5.90	4.30	27.7m×3.2
28.0	5.55	5.80	5.75	6.20	5.95	5.60	4.15	3.20
30.0	4.90	5.15	5.10	5.50	5.30	5.40	4.00	3.15
32.0	4.35	4.55	4.55	4.90	4.70	5.20	3.85	3.05
34.0	3.85	4.05	4.05	4.40	4.20	4.70	3.70	2.95
36.0	3.45	3.60	3.60	3.90	3.75	4.20	3.55	2.90
38.0	3.05	3.20	3.25	3.50	3.40	3.80	3.45	2.85
40.0	2.75	2.85	2.90	3.15	3.05	3.40	9 = 3.15 = 3	2.80
42.0	2.45	2.50	2.60	2.80	2.70	3.05	2.80	2.75
44.0	2.15	2.25	2.30	2.50	2.45	2.75	2.55	2.70
46.0	1.85	1.95	2.05	2.20	2.20	2.45	2.30	2.65
48.0	47.5m×1.50t	1.50	1.85	1.95	1.95	2.20	2.05	2.35
50.0	1000000000	于完全在中央企业	1.60	1.75	1.75	1.95	1.85	2.15
52.0			50.5m×1.50t	51.6m×1.50t	1.55	1.75	1.65	1.90
54.0					52.4m×1.50t	1.50	53.5m×1.50t	1.70
56.0								1.50
57.3								

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

Linit - ton

■ Crane Ratings (Jib in 360° Working Area) (3)

Main Boom Length (m)	*******	******	****		16	A	2744275	
Jib Boom Length (m)	*******	0	*******	6	******	22	TRANSPORT OF THE	8
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
13.5	11.00	· 有宗·伊尔·斯·斯·斯·斯·	*****	PERMIT AND ADDRESS OF THE PERMIT ADDRESS OF THE PERMIT AND ADDRESS OF THE PERMIT AND ADDRESS OF THE PERMIT ADDRESS OF THE PE	******	1000000000		
14.0	11.00		15.6m×11.00t					
16.0	11.00	16.5m×10.95t	11.00		17.7m×9.15t			
18.0	11.00	10.65	11.00.		9.10		19.8m×5.00t	
20.0	9.35	9.85	9.65	20.4m×8.50t	8.75	1212127	4.95	277946
22.0	8.05	8.50	8.35	8.20	8.40		4.75	
24.0	7.00	7.40	7.25	7.90	7.45	24.3m×6.20t	4.55	
26.0	6.10	6.45	6.35	6.90	6.55	5.95	4.35	
28.0	5.35	5.65	5.60	6.10	5.80	5.70	4.20	28.2m×3.2
30.0	4.75	5.00	4.95	5.40	5.15	5.45	4.05	3.15
32.0	4.20	4.40	4.40	4.80	4.55	5.15	3.90	3.05
34.0	3.70	3.90	3.90	4.25	4.05	4.60	3.75	3.00
36.0	3.25	3.45	3.45	3.80	3.60	4.10	3.65	2.95
38.0	2.90	3.05	3.10	3.40	3.25	3.65	3.35	2.85
40.0	2.55	2.70	2.75	3.00	2.90	3.25	3.00	2.80
42.0	2.25	2.40	2.45	2.65	2.55	2.90	2.70	2.75
44.0	2.00	2.10	2.15	2.35	2.30	2.60	2.40	2.70
46.0	1.75	1.85	1.90	2.10	2.05	2.30	2.15	2.55
48.0	47.2m×1.50t	1.50	1.70	1.85	1.80	2.05	1.90	2.25
50.0		100000000	49.5m×1.50t	1.60	1.60	1.80	1.70	2.00
52.0				50.7m×1.50t	51.0m×1.50t	1.60	1.50	1.80
54.0						53.0m×1.50t		1.55
54.6								1.50

Main Boom Length (m)	******		*****	*****	19	*****	*******	
Jib Boom Length (m)	*******	0	******	6		22	**********	8
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
13.5								
14.0	14.1m×11.00t							
16.0	11.00	17.1m×10.95t	16.2m×11.00t					
18.0	10.90	10.75	11.00		18.3m×9.15t			
20.0	9.25	9.80	9.55	21.0m×8.20t	8.85	180000000	20.4m×5.00t	
22.0	7.95	8.45	8.25	8.00	8.45		4.80	
24.0	6.90	7.30	7.15	7.65	7.35	24.9m×6.15t	4.60	
26.0	6.00	6.40	6.25	6.85	6.45	6.00	4.45	
28.0	5.25	5.60	5.50	6.05	5.70	5.75	4.25	28.8m×3.20t
30.0	4.65	4.90	4.85	5.35	5.05	5.50	4.10	3.15
32.0	4.05	4.30	4.30	4.70	4.45	5.05	3.95	3.10
34.0	3.60	3.80	3.80	4.20	3.95	4.50	3.85	3.00
36.0	3.15	3.35	3.35	3.70	3.50	4.00	3.65	2.95
38.0	2.80	2.95	2.95	3.30	3.10	3.60	3.25	2.90
40.0	2.45	2.60	2.60	2.90	2.75	3.20	2.90	2.85
42.0	2.15	2.25	2.30	2.55	2.45	2.85	2.55	2.75
44.0	1.85	2.00	2.05	2.25	2.15	2.50	2.30	2.70
46.0	1.60	1.70	1.80	2.00	1.90	2.25	2.00	2.45
48.0	46.6m×1.50t	47.5m×1.50t	1.55	1.75	1.70	1.95	1.80	2.15
50.0	198942242	122224	48.5m×1.50t	1.50	49.5m×1.50t	1.70	1.55	1.90
52.0						1.50	50.5m×1.50t	1.70
54.0								1.50
54.6								

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

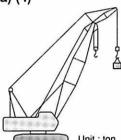
2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

78% Tipping Load (JIS Rating)

■ Crane Ratings (Jib in 360° Working Area) (4)

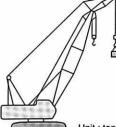


Main Boom Length (m)	524 + + + + + + + + + + + + + + + + + + +							
Jib Boom Length (m)	并充分安全企业的	0	16					
Offset Angle (°)		********	*******	30				
Working Radius (m)	10	30	10					
14.6	11.00							
16.0	11.00	17.6m×10.20t	16.7m×11.00t					
18.0	10.75	10.10	11.00					
20.0	9.10	9.60	9.40	21.5m×7.10t				
22.0	7.80	8.30	8.10	7.00				
24.0	6.75	7.20	7.00	6.70				
26.0	5.85	6.25	6.10	6.40				
28.0	5.10	5.45	5.35	5.90				
30.0	4.45	4.80	4.70	5.20				
32.0	3.90	4.20	4.15	4.60				
34.0	3.45	3.65	3.65	4.05				
36.0	3.00	3.20	3.20	3.60				
38.0	2.60	2.80	2.80	3.15				
40.0	2.30	2.45	2.45	2.80				
42.0	2.00	2.15	2.15	2.45				
44.0	1.70	1.85	1.90	2.15				
46.0	45.5m×1.50t	1.55	1.60	1.85				
48.0		46.5m×1.50t	47.0m×1.50t	1.60				
50.0	医生物体积水流的		*******	48.7m×1.50t				

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.



■ Crane Batings (Jib in 360° Working Area) (1)

Main Boom Length (m)	****		***	******	34	· · · · · · · · · · · · · · · · · · ·	West and the second	医海水物布布茨		
Jib Boom Length (m)	4-5-5-5-5	10 16			22			28		
Offset Angle (°)	10	30	10	30	10	30	10	30		
Working Radius (m)	and the second section in	02465541	中華地域の大学	30		A-4-4-30	5569933	FIRST CO.		
11.3	11.00									
12.0	11.00		13.4m×11.00t							
14.0	11.00	14.3m×11.00t	11.00		15.5m×9.20t					
16.0	11.00	10.60	11.00		9.05		17.6m×5.05t			
18.0	11.00	10.20	11.00	18.2m×8.55t	8.65		5.00			
20.0	9.65	9.80	9.90	8.20	8.30	tanner .	4.70	****		
22.0	8.40	8.70	8.65	7.80	7.95	22.1m×6.25t	4.50			
24.0	7.40	7.65	7.60	7.45	7.65	5.90	4.30			
26.0	6.55	6.75	6.75	7.15	6.90	5.60	4.10	3.25		
28.0	5.80	6.00	6.00	6.35	6.15	5.35	3.90	3.15		
30.0	5.20	5.35	5.40	5.70	5.55	5.10	3.75	3.05		
32.0	4.65	4.80	4.85	5.10	5.00	4.90	3.60	3.00		
34.0	4.20	4.30	4.40	4.60	4.50	4.70	3.45	2.90		
36.0	3.80	3.90	3.95	4.15	4.10	4.40	3.35	2.85		
38.0	3.45	3.50	3.60	3.75	3.70	4.00	3.25	2.75		
40.0	3.15	3.20	3.30	3.40	3.40	3.65	3.15	2.70		
42.0	40.6m×3.05t	41.2m×3.00t	3.00	3.10	3.10	3.30	3.05	2.65		
44.0			2.75	2.80	2.80	3.00	2.90	2.60		
46.0			2.45	2.55	2.60	2.75	2.65	2.55		
48.0			46.3m×2.35t	47.2m×2.30t	2.35	2.50	2.40	2.55		
50.0	****	1000000	(有分类的分类的)	******	2.15	2.25	2.20	2.40		
52.0					51.9m×1.80t	2.05	2.05	2.20		
54.0						53.2m×1.75t	1.85	2.00		
56.0							1.60	1.80		
58.0							56.5m×1.50t	1.55		
58.5								58.2m×1.5		

Main Boom Length (m)	14243555	******	*******		37		****	Unit : to
Jib Boom Length (m)		0	******			22	********	
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
11.3	11.9m×11.00t			51 55				
12.0	11.00							
14.0	11.00	14.9m×10.95t	11.00					
16.0	11.00	10.70	11.00		16.1m×9.15t			
18.0	11.00	10.30	11.00	18.8m×8.55t	8.80		18.2m×5.00t	
20.0	9.55	9.95	9.80	8.30	8.40	*****	4.80	22229
22.0	8.30	8.65	8.55	7.90	8.05	22.7m×6.20t	4.55	
24.0	7.25	7.55	7.50	7.60	7.65	6.00	4.35	
26.0	6.40	6.65	6.65	7.05	6.80	5.70	4.15	26.6m×3.25t
28.0	5.70	5.90	5.90	6.30	6.05	5.45	4.00	3.20
30.0	5:10	5.30	5.30	5.60	5.40	5.20	3.85	3.10
32.0	4.55	4.70	4.75	5.05	4.90	5.00	3.70	3.00
34.0	4.10	4.25	4.25	4.55	4.40	4.80	3.55	2.95
36.0	3.70	3.80	3.85	4.10	4.00	4.30	3.45	2.85
38.0	3.35	3.40	3.50	3.70	3.60	3.90	3.30	2.80
40.0	3.00	3.05	3.15	3.35	3.25	3.55	3.20	2.75
42.0	2.75	2.75	2.85	3.00	2.95	3.20	3.05	2.70
44.0	43.2m×2.50t	43.8m×2.40t	2.60	2.70	2.70	2.90	2.80	2.65
46.0			2.35	2.45	2.45	2.65	2.55	2.60
48.0			2.10	2.20	2.25	2.40	2.30	2.55
50.0	1-30-30-5	*****	48.9m×1.90t	49.8m×1.85t	2.05	2.15	2.10	2.30
52.0					1.85	1.95	1.90	2.10
54.0					1.50	1.75	1.75	1.90
56.0						55.1m×1.50t	1.55	1.70
58.0							56.4m×1.50t	1.55
58.5	·							1.50

Notes: 1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

75% Tipping Load (PCSA Rating)

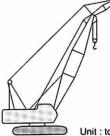
Crane Ratings (J	ib in 360°	in 360° Working Area) (2)								
Main Boom Length (m)	******	*****	*****	******	40	*****	· · · · · · · · · · · · · · · · · · ·	***		
Jib Boom Length (m)	· · · · · · · · · · · · · · · · · · ·		******	**********		2				
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30		
	44.00	在其中不明 中 四 中	THE RESERVE OF THE PARTY.		1 经收益收益 化 在 1	***	******	13111		
12.4	11.00	45 4	44.5							
14.0	11.00	15.4m×10.95t	14.5m×11.00t							
16.0	11.00	10.85	11.00		16.6m×9.15t					
18.0	10.95	10.45	11.00	19.3m×8.50t	8.90		18.7m×5.00t			
20.0	9.35	9.80	9.65	8.40	8.55	(多色传生的音乐)	4.85	新安全的		
22.0	8.10	8.50	8.35	8.05	8.20	23.2m×6.20t	4.65			
24.0	7.10	7.40	7.35	7.70	7.50	6.10	4.45			
26.0	6.25	6.55	6.45	6.95	6.65	5.80	4.25	27.1m×3.25		
28.0	5.55	5.75	5.75	6.15	5.90	5.55	4.05	3.20		
30.0	4.90	5.10	5.10	5.50	5.25	5.30	3.90	3.10		
32.0	4.40	4.55	4.55	4.90	4.70	5.10	3.75	3.05		
34.0	3.90	4.05	4.10	4.40	4.25	4.65	3.65	2.95		
36.0	3.50	3.65	3.70	3.95	3.80	4.20	3.50	2.90		
38.0	3.15	3.25	3.30	3.55	3.45	3.80	3.40	2.80		
40.0	2.80	2.90	3.00	3.20	3.10	3.40	3.20	2.75		
42.0	2.55	2.60	2.70	2.85	2.80	3.10	2.90	2.70		
44.0	2.30	2.35	2.40	2.55	2.55	2.80	2.60	2.65		
46.0	45.8m×1.85t	1.90	2.20	2.30	2.30	2.50	2.35	2.60		
48.0		46.4m×1.80t	1.95	2.05	2.05	2.25	2.15	2.45		
50.0	******	*******	1.65	1.85	1.85	2.05	1.95	2.20		
52.0			50.7m×1.50t	51.5m×1.50t	1.65	1.80	1.75	1.95		
54.0					53.3m×1.50t	1.60	1.55	1.75		
56.0						55.0m×1.50t	54.6m×1.50t	1.60		
57.0						55.511.7(1.55)	01.0	1.50		

Main Boom Length (m)	*******	*****	# 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	******	3 * * * * * * * *	*****	医免疫医免疫皮肤炎	中央中央中央 (1)
Jib Boom Length (m)	*******	0	*******	16		22	****	8
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
12.4	13.0m×11.00t							
14.0	11.00		15.1m×11.00t					
16.0	11.00	10.95	11.00		17.2m×9.15t			
18.0	10.80	10.55	11.00	19.9m×8.50t	9.00		19.3m×5.00t	
20.0	9.25	9.70	9.50	8.50	8.65	并并在安全工作并	4.90	作的名词言语言
22.0	8.00	8.40	8.25	8.15	8.30	23.8m×6.20t	4.70	
24.0	6.95	7.30	7.20	7.75	7.40	6.15	4.50	
26.0	6.10	6.40	6.35	6.85	6.50	5.90	4.30	27.7m×3.25t
28.0	5.40	5.65	5.60	6.05	5.75	5.60	4.15	3.20
30.0	4.75	5.00	4.95	5.35	5.15	5.40	4.00	3.15
32.0	4.25	4.45	4.40	4.80	4.60	5.10	3.85	3.05
34.0	3.75	3.95	3.95	4.25	4.10	4.55	3.70	2.95
36.0	3.35	3.50	3.55	3.80	3.65	4.10	3.55	2.90
38.0	3.00	3.10	3.15	3.40	3.30	3.65	. 3.40	2.85
40.0	2.65	2.75	2.85	3.05	2.95	3.30	3.05	2.80
42.0	2.40	2.45	2.55	2.75	2.65	2.95	2.75	2.75
44.0	2.10	2.20	2.25	2.45	2.40	2.65	2.50	2.70
46.0	1.85	1.95	2.05	2.15	2.15	2.40	2.25	2.60
48.0	47.5m×1.50t	1.50	1.80	1.95	1.90	2.15	2.00	2.30
50.0			1.60	1.70	1.70	1.90	1.80	2.10
52.0			50.5m×1.50t	51.6m×1.50t	1.50	1.70	1.60	1.85
54.0						1.50	53.0m×1.50t	1.65
56.0								55.5m×1.50t
57.0								

Notes:1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.



■Crane Ratings (Jib in 360° Working Area) (3)

Main Boom Length (m)	*****	***	*****	京西班东东京州?	16			*****
Jib Boom Length (m)	****	0	* - * - * * 16 * - * - * - * * * * * * * * * * * * *		22		28	
Offset Angle (°)	******	****		30	*****	00	* * * * * * * * * * * * * * * * * * * *	20
Working Radius (m)	10	30	10	30	10	30	10	30
13.5	11.00							
14.0	11.00		15.6m×11.00t					
16.0	11.00	16.5m×10.95t	11.00		17.7m×9.15t			
18.0	10.65	10.65	10.95		9.10		19.8m×5.00t	
20.0	9.10	9.55	9.35	20.4m×8.50t	8.75		4.95	The second
22.0	7.85	8.25	8.10	8.20	8.30		4.75	
24.0	6.80	7.20	7.05	7.65	7.25	24.3m×6.20t	4.55	
26.0	5.95	6.30	6.20	6.70	6.35	5.95	4.35	
28.0	5.20	5.50	5.45	5.95	5.65	5.70	4.20	28.2m×3.20
30.0	4.60	4.85	4.80	5.25	5.00	5.45	4.05	3.15
32.0	4.05	4.30	4.25	4.65	4.45	5.00	3.90	3.05
34.0	3.60	3.80	3.80	4.15	3.95	4.45	3.75	3.00
36.0	3.20	3.35	3.40	3.70	3.55	4.00	3.65	2.95
38.0	2.85	3.00	3.00	3.30	3.15	3.55	3.25	2.85
40.0	2.50	2.65	2.70	2.95	2.80	3.20	2.90	2.80
42.0	2.20	2.30	2.40	2.60	2.50	2.85	2.60	2.75
44.0	1.95	2.05	2.10	2.30	2.25	2.55	2.35	2.70
46.0	1.70	1.80	1.85	2.05	2.00	2.25	2.10	2.45
48.0	47.2m×1.50t	1.50	1.65	1.80	1.75	2.00	1.85	2.20
50.0	京原 电单位存储器	******	49.5m×1.50t	1.55	1.55	1.80	1.65	1.95
52.0				50.5m×1.50t	50.5m×1.50t	1.55	51.5m×1.50t	1.75
54.0					li No	52.5m×1.50t		1.55
54.5								1.50

Main Boom Length (m)	11111111	*****	*******	*******	9	*******	*******	Unit : to
Jib Boom Length (m)	********	0		6		2	***********	8
Offset Angle (°)	10	30	10	30	10	30	10	30
Working Radius (m)	100000000000000000000000000000000000000	12225554	美国中央共产业	电影安全工作的	******	1999年世界原治:	*******	*****
13.5	1							
14.0	14.1m×11.00t							
16.0	11.00	17.1m×10.95t	16.2m×11.00t					
18.0	10.55	10.75	10.85		18.3m×9.15t			
20.0	9.00	9.50	9.30	21.0m×8.20t	8.85	******	20.4m×5.00t	
22.0	7.75	8.20	8.00	8.00	8.20		4.80	
24.0	6.70	7.10	6.95	7.60	7.15	24.9m×6.15t	4.60	
26.0	5.85	6.20	6.10	6.65	6.30	6.00	4.45	
28.0	5.10	5.45	5.35	5.85	5.55	5.75	4.25	28.8m×3.20t
30.0	4.50	4.80	4.70	5.15	4.90	5.50	4.10	3.15
32.0	3.95	4.20	4.15	4.60	4.35	4.90	3.95	3.10
34.0	3.50	3.70	3.70	4.05	3.85	4.40	3.85	3.00
36.0	3.10	3.25	3.25	3.60	3.40	3.90	3.55	2.95
38.0	2.70	2.90	2.90	3.20	3.05	3.50	3.15	2.90
40.0	2.40	2.55	2.55	2.85	2.70	3.10	2.80	2.85
42.0	2.10	2.20	2.25	2.50	2.40	2.75	2.50	2.75
44.0	1.85	1.95	2.00	2.20	2.10	2.45	2.25	2.65
46.0	1.60	1,70	1.75	1.95	1.85	2.20	1.95	2.40
48.0	46.6m×1.50t	47.5m×1.50t	1.50	1.70	1.65	1.90	1.75	2.10
50.0	25212151	10000000	12000000	49.6m×1.50t	49.5m×1.50t	1.70	1.55	1.90
52.0						51.6m×1.50t	50.5m×1.50t	1.65
54.0								53.5m×1.50t
54.5								

Notes:1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

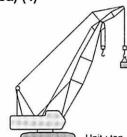
2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

75% Tipping Load (PCSA Rating)

■Crane Ratings (Jib in 360° Working Area) (4)



Main Boom Length (m)			i2	· · · · · · · · · · · · · · · · · · ·		
Jib Boom Length (m)	*****	0	16			
Offset Angle (°) Working Radius (m)	10	30	10	30		
14.0	14.6m×11.00t					
16.0	11.00	17.6m×10.20t	16.7m×11.00t			
18.0	10.45	10.10	10.75			
20.0	8.85	9.40	9.15	21.5m×7.10t		
22.0	7.60	8.05	7.85	7.00		
24.0	6.55	7.00	6.80	6.70		
26.0	5.70	6.05	5.95	6.40		
28.0	5.00	5.30	5.20	5.75		
30.0	4.35	4.65	4.60	5.05		
32.0	3.80	4.10	4.05	4.45		
34.0	3.35	3.60	3.55	3.95		
36.0	2.95	3.15	3.15	3.50		
38.0	2.55	2.75	2.75	3.10		
40.0	2.25	2.40	2.40	2.70		
42.0	1.95	2.10	2.10	2.40		
44.0	1.65	1.80	1.85	2.10		
46.0	45.5m×1.50t	1.55	1.60	1.80		
48.0		46.4m×1.50t	46.8m×1.50t	1.55		
50.0	*********	********	******	48.5m×1.50t		

Notes:1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

Hook Capacity (ton)	Hook Weight (ton)
90	0.97
45	0.62
22	0.60
11	0.37

- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

Crane Ratings (Main boom with Jib in 360° Working Area) (1)

Main Boom Length (m)	中原管理管理的原理	*****			34			中有电影中的1	
Jib Boom Length (m)	1 1 2 2 2 2 2 3 3	0	*******	16 22		2		28	
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30	
7.8	34.60	34.30	34.15	33.50	33.55	32.60	32.90	31.50	
8.0	33.40	33.05	32.90	32.30	32.30	31.40	31.65	30.35	
9.0	28.20	27.90	27.70	27.20	27.15	26.35	26.50	25.40	
10.0	24.20	23.95	23.75	23.30	23.20	22.55	22.60	21.65	
12.0	18.65	18.45	18.20	17.85	17.70	17.15	17.10	16.40	
14.0	14.90	14.75	14.50	14.20	14.00	13.60	13.45	12.85	
16.0	12.25	12.10	11.80	11.60	11.35	11.00	10.80	10.35	
18.0	10.25	10.15	9.85	9.65	9.35	9.10	8.85	8.50	
20.0	8.70	8.60	8.30	8.15	7.85	7.60	7.35	7.05	
22.0	7.45	7.40	7.05	6.95	6.60	6.45	6.10	5.90	
24.0	6.45	6.40	6.05	5.95	5.60	5.50	5.15	4.95	
26.0	5.60	5.55	5.20	5.15	4.80	4.70	4.30	4.20	
28.0	4.90	4.85	4.55	4.50	4.10	4.05	3.55	3.45	
30.0	4.20	4.15	3.70	3.65	3.20	3.10	2.60	2.50	
32.0	30.8m×3.80t	30.8m×3.75t	30.8m×3.30t	30.8m×3.30t	30.8m×2.80t	30.8m×2.75t	30.8m×2.20t	30.8m×2.15	
33.4									

Unit : to

Main Boom Length (m)	*****	*****	*****		37	******	****	******
Jib Boom Length (m)	FF 10 + FF 10 + FF 10 4		******	16		22 ***		8
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
7.8								
8.0	8.4m×31.10t	8.4m×30.75t	8.4m×30.60t	8.4m×30.00t	8.4m×30.05t	8.4m×29.15t	8.4m×29.40t	8.4m×28.15t
9.0	28.15	27.85	27.65	27.15	27.10	26.30	26.50	25.35
10.0	24.20	23.90	23.70	23.25	23.20	22.50	22.60	21.60
12.0	18.60	18.40	18.15	17.80	17.65	17.10	17.10	16.35
14.0	14.85	14.70	14.45	14.15	13.95	13.55	13.40	12.80
16.0	12.20	12.05	11.75	11.55	11.30	10.95	10.80	10.30
18.0	10.20	10.05	9.75	9.60	9.30	9.05	8.80	8.40
20.0	8.60	8.50	8.20	8.05	7.80	7.55	7.30	6.95
22.0	7.35	7.30	7.00	6.85	6.55	6.35	6.05	5.80
24.0	6.35	6.30	5.95	5.85	5.55	5.40	5.10	4.85
26.0	5.50	5.45	5.15	5.05	4.70	4.60	4.25	4.10
28.0	4.80	4.75	4.45	4.35	4.00	3.90	3.55	3.45
30.0	4.20	4.15	3.85	3.80	3.45	3.35	2.85	2.75
32.0	3.60	3.55	3.15	3.10	2.60	2.55	2.05	1.95
33.4	3.00	3.00	2.55	2.50	2.05	2.00	33.2m×1.50t	33.1m×1.50t

Notes: 1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

- 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

 Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation among the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook Capacity	Hook Weight	Maximum Rated Load (ton)					
(ton)	(ton)	4	3	2	17511		
45	0.62	34.6	33	22			
22	0.60	_	=	22	-		

78% Tipping Load (JIS Rating)

Crane Ratings (Main boom with Jib in 360° Working Area) (2)

Main Boom Length (m)	经安全的关系的	****		***	40	******	· · · · · · · · · · · · · · · · · · ·	
Jib Boom Length (m)	F 电图 4 图 图 4 传	10	· · · · · · · · · · · · · · · · · · ·	16	*******	2	7 7 7 7 7 7 7 2	8
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
8.9	28.45	28.15	27.95	27.40	27.45	26.60	26.80	25.65
9.0	27.95	27.70	27.50	26.95	26.95	26.15	26.35	25.20
10.0	24.00	23.75	23.55	23.10	23.05	22.35	22.45	21.45
12.0	18.45	18.20	18.00	17.65	17.50	16.95	16.95	16.20
14.0	14.70	14.50	14.25	14.00	13.80	13.35	13.30	12.65
16.0	12.00	11.85	11.60	11.35	11.15	10.80	10.65	10.15
18.0	10.00	9.90	9.60	9.40	9.15	8.85	8.70	8.25
20.0	8.45	8.35	8.05	7.90	7.60	7.35	7.15	6.80
22.0	7.20	7.10	6.80	6.65	6.40	6.20	5.90	5.65
24.0	6.15	6.10	5.80	5.70	5.40	5.20	4.90	4.70
26.0	5.35	5.25	4.95	4.85	4.55	4.40	4.10	3.90
28.0	4.60	4.55	4.25	4.15	3.85	3.75	3.40	3.25
30.0	4.00	3.95	3.65	3.60	3.25	3.15	2.80	2.70
32.0	3.50	3.45	3.15	3.10	2.65	2.60	2.10	2.00
34.0	2.95	2.90	2.45	2.40	1.95	1.90	33.7m×1.50t	33.4m×1.50t
36.0	2.20	2.15	1.75	1.70	35.2m×1.50t	35.1m×1.50t		
38.0								
38.6								

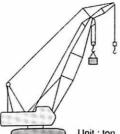
Unit	:	tor

Main Boom Length (m)	*****	中华市市中田市市市	· 中央指揮者 李本安	在在大学生中中的	13	***	· 京京·京寺府 京東京·	*****
Jib Boom Length (m)	********	10		**************************************		2	*********	8
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
8.9								
9.0	9.5m×25.75t	9.5m×25.45t	9.5m×25.30t	9.5m×24.75t	9.5m×24.75t	9.5m×24.00t	*9.5m×24.20t	9.5m×23.10t
10.0	23.90	23.60	23.45	22.95	22.95	22.20	22.35	21.35
12.0	18.30	18.10	17.85	17.50	17.40	16.80	16.85	16.05
14.0	14.55	14.35	14.15	13.85	13.70	13.25	13.15	12.55
16.0	11.85	11.70	11.45	11.20	11.05	10.65	10.55	10.00
18.0	9.85	9.75	9.45	9.25	9.05	8.70	8.55	8.15
20.0	8.30	8.20	7.90	7.75	7.50	7.20	7.00	6.65
22.0	7.05	6.95	6.65	6.50	6.25	6.05	5.80	5.50
24.0	6.00	5.95	5.65	5.50	5.25	5.05	4.80	4.55
26.0	5.15	5.10	4.80	4.70	4.40	4.25	3.95	3.75
28.0	4.45	4.40	4.10	4.00	3.70	3.55	3.25	3.10
30.0	3.85	3.80	3.50	3.40	3.10	3.00	2.70	2.55
32.0	3.35	3.30	3.00	2.90	2.60	2.50	2.10	1.95
34.0	2.85	2.85	2.50	2.40	2.00	1.90	33.8m×1.50t	33.3m×1.50t
36.0	2.30	2.25	1.85	1.80	35.5m×1.50t	35.3m×1.50t		
38.0	1.70	1.65	37.1m×1.50t	37.0m×1.50t				
38.6	1.50	1.50						

Notes: 1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

- The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook. Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation among the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook Weight	N	laximum Ra	ed Load (ton)		
Capacity (ton)	(ton)	4	3	2		
45	0.62	34.6	33	22	-	
22	0.60	-	-	22	5-3	



Crane Ratings (Main boom with Jib in 360° Working Area) (3)

Main Boom Length (m)	****	******	******	****	16	40 THE 2 H	2 N 2 N 2 N 1	*****
Jib Boom Length (m)	0.0000000000000000000000000000000000000		******	16	4444	22	55547554V	28
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
10.0	23.75	23.50	23.30	22.85	22.80	22.05	22.25	21.20
12.0	18.15	17.95	17.75	17.35	17.25	16.70	16.75	15.95
14.0	14.40	14.25	14.00	13.70	13.55	13.10	13.05	12.40
16.0	11.70	11.55	11.35	11.10	10.90	10.50	10.40	9.90
18.0	9.70	9.60	9.35	9.10	8.90	8.60	8.45	8.00
20.0	8.15	8.05	7.75	7.60	7.35	7.10	6.90	6.50
22.0	6.90	6.80	6.50	6.35	6.10	5.90	5.65	5.35
24.0	5.85	5.80	5.50	5.35	5.10	4.90	4.65	4.40
26.0	5.00	4.95	4.65	4.55	4.25	4.10	3.85	3.60
28.0	4.30	4.25	3.95	3.85	3.55	3.40	3.15	2.95
30.0	3.70	3.65	3.35	3.25	2.95	2.85	2.55	2.40
32.0	3.15	3.10	2.80	2.75	2.45	2.35	2.00	1.80
34.0	2.70	2.65	2.35	2.30	1.90	1.80	33.6m×1.50t	33.0m×1.50t
36.0	2.30	2.25	1.85	1.75	35.4m×1.50t	35.0m×1.50t		
38.0	1.75	1.70	37.2m×1.50t	37.0m×1.50t				
38.9	1.50	38.7m×1.50t						

								Unit : ton
Main Boom Length (m)	经未合作的有关条件	电电影电影电影			9	0000000000		
Jib Boom Length (m)	并在安全的工作的	0			22		28	
Offset Angle (°)	10	30	10	200	在原在水井田市市	30	4 2 4 7 5 5 5 1	B-6 to 00 To 0 B
Working Radius (m)	10	1 2 2 2 2 2 2 2	* 电电子中央电	30	10		10	30
10.0	10.6m×21.75t	10.6m×21.50t	10.6m×21.30t	10.6m×20.85t	10.6m×20.85t	10.6m×20.15t	10.6m×20.30t	10.6m×19.35t
12.0	18.10	17.85	17.65	17.30	17.20	16.65	16.70	15.90
14.0	14.35	14.15	13.95	13.65	13.50	13.00	13.00	12.35
16.0	11.65	11.50	11.25	11.00	10.85	10.45	10.35	9.80
18.0	9.65	9.50	9.25	9.05	8.85	8.50	8.40	7.90
20.0	8.05	7.95	7.70	7.50	7.30	7.00	6.85	6.45
22.0	6.80	6.70	6.45	6.30	6.05	5.80	5.60	5.25
24.0	5.80	5.70	5.40	5.30	5.05	4.80	4.60	4.30
26.0	4.95	4.85	4.55	4.45	4.20	4.00	3.75	3.50
28.0	4.20	4.15	3.85	3.75	3.50	3.30	3.05	2.85
30.0	3.60	3.55	3.25	3.15	2.85	2.75	2.45	2.30
32.0	3.05	3.00	2.70	2.65	2.35	2.25	1.90	1.70
34.0	2.60	2.55	2.25	2.20	1.85	1.70	33.3m×1.50t	32.7m×1.50t
36.0	2.20	2.15	1.80	1.70	35.2m×1.50t	34.7m×1.50t		
38.0	1.70	1.65	37.2m×1.50t	36.7m×1.50t				
38.9	38.8m×1.50t	38.6m×1.50t						

Notes: 1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

- The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook. Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation among the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook Capacity	Hook Weight	Maximum Rated Load (ton)							
(ton)	(ton)	4	3	2 - 2	225125				
45	0.62	34.6	33	22	3 - 8				
22	0.60	-	-	22	S=3				

78% Tipping Load (JIS Rating)

■Crane Ratings (Main boom with Jib in 360° Working Area) (4)



Main Boom Length (m)	*******	*******	52	4577988	
Jib Boom Length (m)		0		6	
Offset Angle (°) Working Radius (m)	10	30	10	30	
10.0	11.1m×20.15t	11.1m×19.90t	11.1m×19.75t	11.1m×19.30t	
12.0	17.95	17.70	17.55	17.15	
14.0	14.20	14.00	13.80	13.50	
16.0	11.50	11.35	11.10	10.85	
18.0	9.50	9.35	9.10	8.90	
20.0	7.90	7.80	7.55	7.35	
22.0	6.65	6.55	6.30	6.15	
24.0	5.65	5.55	5.30	5.15	
26.0	4.75	4.70	4.45	4.30	
28.0	4.05	4.00	3.70	3.60	
30.0	3.45	3.35	3.10	3.00	
32.0	2.90	2.85	2.55	2.50	
34.0	2.45	2.40	2.10	2.05	
36.0	2.05	2.00	1.65	1.55	
38.0	1.60	1.55	36.5m×1.50t	36.2m×1.50t	
38.9	38.4m×1.50t	38.2m×1.50t		_	

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

- The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook. Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation among the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook	N	laximum Rat	ed Load (tor	1)
Capacity (ton)	Weight (ton)	4	3	2	222122
45	0.62	34.6	33	22	-
22	0.60	_		22	

Crane Ratings (Main boom with Jib in 360° Working Area) (1)

Main Boom Length (m)	2. 本方面有有多方面	*****	·安安安安安 ·	· 在 · · · · · · · · · · · · · · · · · ·	34 4 + 2 + 3 + 5 + 5	和財産治療を持たする 主な体を含ません。	* 在 10 全 4 全 5 年 7	Tipaker
Jib Boom Length (m)		10		16		22 + 2 + 4 + 22		28
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10 = 1	30
7.8	33.60	33.25	33.10	32.50	32.55	31.60	31.90	30.55
8.0	32.40	32.05	31.90	31.30	31.35	30.45	30.70	29.40
9.0	27.30	27.05	26.85	26.35	26.30	25.55	25.70	24.60
10.0	23.50	23.25	23.05	22.60	22.50	21.85	21.95	21.00
12.0	18.10	17.90	17.65	17.30	17.15	16.65	16.60	15.90
14.0	14.45	14.30	14.05	13.80	13.60	13.20	13.05	12.50
16.0	11.90	11.75	11.50	11.25	11.00	10.70	10.50	10.05
18.0	9.95	9.85	9.55	9.40	9.10	8.85	8.60	8.25
20.0	8.45	8.35	8.05	7.90	7.60	7.40	7.15	6.85
22.0	7.25	7.15	6.85	6.75	6.45	6.25	5.95	5.75
24.0	6.25	6.20	5.90	5.80	5.45	5.35	5.00	4.85
26.0	5.45	5.40	5.10	5.00	4.70	4.60	4.20	4.10
28.0	4.80	4.75	4.40	4.35	4.00	3.95	3.55	3.45
30.0	4.20	4.15	3.70	3.65	3.20	3.10	2.60	2.50
32.0	30.8m×3.80t	30.8m×3.75t	30.8m×3.30t	30.8m×3.30t	30.8m×2.80t	30.8m×2.75t	30.8m×2.20t	30.8m×2.15t
33.4								

Main Boom Length (m)	かかせをせちたせて	2122222	******	*本宗等亦为中心	37	1.无奈芳花牙牙 牙	******	Unit : to
Jib Boom Length (m)	E N P C N P P	0	· 李章等李章等	6		22	********	8
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
7.8								
8.0	8.4m×30.10t	8.4m×29.80t	8.4m×29.65t	8.4m×29.10t	8.4m×29.10t	8.4m×28.25t	8.4m×28.50t	8.4m×27.30t
9.0	27.25	27.00	26.80	26.30	26.30	25.50	25.70	24.60
10.0	23.45	23.20	23.00	22.55	22.50	21.80	21.90	20.95
12.0	18.05	17.85	17.60	17.25	17.15	16.60	16.60	15.85
14.0	14.40	14.25	14.00	13.75	13.55	13.15	13.05	12.45
16.0	11.80	11.70	11.45	11.20	11.00	10.65	10.50	10.00
18.0	9.90	9.75	9.50	9.30	9.05	8.80	8.60	8.20
20.0	8.35	8.30	8.00	7.85	7.55	7.35	7.10	6.80
22.0	7.15	7.10	6.80	6.65	6.35	6.20	5.90	5.65
24.0	6.20	6.10	5.80	5.70	5.40	5.25	4.95	4.75
26.0	5.35	5.30	5.00	4.90	4.60	4.50	4.15	4.00
28.0	4.70	4.65	4.30	4.25	3.95	3.85	3.50	3.35
30.0	4.10	4.05	3.75	3.70	3.35	3.30	2.85	2.75
32.0	3.60	3.55	3.15	3.10	2.60	2.55	2.05	1.95
33.4	3.00	3.00	2.55	2.50	2.05	2.00	33.2m×1.50t	33.1m×1.50t

Notes: 1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

- 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook. Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation between the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook Capacity	Hook Weight	Maximum Rated Load (ton)										
(ton)	(ton)	3	2 2	****								
45	0.62	33.6	22	-								
22	0.60	242	22	-								

75% Tipping Load (PCSA Rating)

■Crane Ratings (Main boom with Jib in 360° Working Area) (2)

Main Boom Length (m)	· · · · · · · · · · · · · · · · · · ·	建造者标准等等等	本の大田市で	安全有干水水水	40	*****	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Jib Boom Length (m))	在中本年本大	16	******	22	*****	28
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
8.9	27.55	27.25	27.10	26.60	26.60	25.80	26.00	24.90
9.0	27.10	26.80	26.65	26.15	26.15	25.35	25.55	24.45
10.0	23.30	23.05	22.85	22.40	22.35	21.65	21.80	20.85
12.0	17.85	17.65	17.45	17.10	17.00	16.45	16.45	15.70
14.0	14.25	14.10	13.85	13.55	13.40	12.95	12.90	12.30
16.0	11.65	11.50	11.25	11.05	10.85	10.50	10.35	9.85
18.0	9.70	9.60	9.35	9.15	8.90	8.60	8.45	8.05
20.0	8.20	8.10	7.85	7.65	7.40	7.15	6.95	6.60
22.0	7.00	6.90	6.60	6.50	6.20	6.00	5.75	5.50
24.0	6.00	5.95	5.65	5.55	5.25	5.05	4.80	4.55
26.0	5.20	5.10	4.85	4.75	4.45	4.30	4.00	3.80
28.0	4.50	4.45	4.15	4.05	3.75	3.65	3.35	3.20
30.0	3.90	3.85	3.55	3.50	3.20	3.10	2.75	2.65
32.0	3.40	3.35	3.05	3.00	2.65	2.60	2.10	2.00
34.0	2.95	2.90	2.45	2.40	1.95	1.90	33.7m×1.50t	33.4m×1.50t
36.0	2.20	2.15	1.75	1.70	35.2m×1.50t	35.1m×1.50t		
38.0								
38.6								

Main Boom Length (m)	4.14.20.00.00.00.00.00.00.00.00.00.00.00.00.	全面有电影性有效型	年 布 作 作 并 作 作 作 作 作 作 作 作 作 作 作 作 作 作 作 作	4.经未得有更多方式	43	他主要指示的方言	さきさなななないよう	自由水を中を行り
Jib Boom Length (m)	北京市州市市中市	0	******	16	年中文学生生艺艺	22	体化学生的生态	28
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
8.9								
9.0	9.5m×24.95t	9.5m×24.70t	9.5m×24.50t	9.5m×24.05t	9.5m×24.00t	9.5m×23.25t	9.5m×23.45t	9.5m×22.40t
10.0	23.15	22.90	22.75	22.25	22.25	21.55	21.70	20.70
12.0	17.75	17.55	17.35	17.00	16.85	16.35	16.35	15.60
14.0	14.10	13.95	13.70	13.45	13.30	12.85	12.80	12.20
16.0	11.50	11.40	11.15	10.90	10.70	10.35	10.25	9.75
18.0	9.55	9.45	9.20	9.00	8.80	8.50	8.35	7.90
20.0	8.05	7.95	7.70	7.50	7.30	7.05	6.85	6.50
22.0	6.85	6.75	6.50	6.35	6.10	5.90	5.65	5.35
24.0	5.85	5.80	5.50	5.40	5.10	4.95	4.70	4.45
26.0	5.05	4.95	4.70	4.60	4.30	4.15	3.90	3.65
28.0	4.35	4.30	4.00	3.90	3.60	3.50	3.20	3.05
30.0	3.75	3.70	3.40	3.35	3.05	2.95	2.65	2.50
32.0	3.25	3.20	2.90	2.85	2.55	2.45	2.10	1.95
34.0	2.80	2.80	2.50	2.40	2.00	1.90	33.8m×1.50t	33.3m×1.50t
36.0	2.30	2.25	1.85	1.80	35.5m×1.50t	35.3m×1.50t		
38.0	1.70	1.65	37.1m×1.50t	37.0m×1.50t				
38.6	1.50	1.50	3					

Notes:1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

- 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook, Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation between the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook Capacity	Hook Weight	Maximum Rated Load (ton)									
(ton)	(ton)	3	2								
45	0.62	33.6	22	-							
22	0.60	-	22	-							

Crane Ratings (Main boom with Jib in 360° Working Area) (3)

Main Boom Length (m)	7777		****	********	6	*****		THE THE
Jib Boom Length (m)	***	10	****	6	***************************************	2	2	8
Offset Angle (°)	10	30	10	30	10	30	10	30
Working Radius (m)	***			*****				17万万万万五
10.0	23.00	22.75	22.60	22.15	22.10	21.40	21.60	20.60
12.0	17.60	17.40	17.20	16.85	16.75	16.20	16.25	15.50
14.0	14.00	13.80	13.60	13.30	13.15	12.70	12.70	12.05
16.0	11.40	11.25	11.00	10.75	10.60	10.20	10.15	9.60
18.0	9.45	9.30	9.05	8.85	8.65	8.35	8.20	7.80
20.0	7.90	7.80	7.55	7.40	7.15	6.90	6.70	6.35
22.0	6.70	6.60	6.35	6.20	5.95	5.75	5.55	5.20
24.0	5.70	5.65	5.35	5.25	5.00	4.80	4.55	4.30
26.0	4.90	4.80	4.55	4.45	4.15	4.00	3.75	3.55
28.0	4.20	4.15	3.85	3.75	3.50	3.35	3.10	2.90
30.0	3.60	3.55	3.25	3.20	2.90	2.80	2.50	2.35
32.0	3.10	3.05	2.75	2.70	2.40	2.30	2.00	1.80
34.0	2.65	2.60	2.30	2.25	1.90	1.80	33.6m×1.50t	33.0m×1.50t
36.0	2.25	2.25	1.85	1.75	35.4m×1.50t	35.0m×1.50t		
38.0	1.75	1.70	37.2m×1.50t	37.0m×1.50t				
38.9	1.50	38.7m×1.50t						

Main Boom Length (m)	· · · · · · · · · · · · · · · · · · ·	10227750	****	*******	9	****	*******	2222224		
Jib Boom Length (m)		0	TRESCA	6	7 7 7 7 7 7 2 2	2	28			
Offset Angle (°)	10	30	10	30	10	30	10	30		
Working Radius (m)	10	30	****			14422778		工工产中有效		
10.0	10.6m×21.05t	10.6m×20.85t	10.6m x20.65t	10.6m×20.25t	10.6m×20.20t	10.6m×19.55t	10.6m×19.70t	10.6m×18.75t		
12.0	17.55	17.35	17.15	16.80	16.70	16.15	16.20	15.40		
14.0	13.90	13.75	13.55	13.25	13.10	12.65	12.65	12.00		
16.0	11.30	11.15	10.95	10.70	10.55	10.15	10.10	9.55		
18.0	9.35	9.25	9.00	8.80	8.60	8.30	8.15	7.70		
20.0	7.85	7.75	7.50	7.30	7.10	6.80	6.65	6.30		
22.0	6.60	6.55	6.25	6.10	5.90	5.65	5.45	5.15		
24.0	5.65	5.55	5.30	5.15	4.90	4.70	4.50	4.20		
26.0	4.80	4.75	4.45	4.35	4.10	3.90	3.70	3.45		
28.0	4.10	4.05	3.75	3.65	3.40	3.25	3.00	2.80		
30.0	3.50	3.45	3.15	3.10	2.80	2.70	2.40	2.25		
32.0	3.00	2.95	2.65	2.60	2.30	2.20	1.90	1.70		
34.0	2.55	2.50	2.20	2.15	1.85	1.70	33.3m×1.50t	32.7m×1.50t		
36.0	2.15	2.10	1.80	1.70	35.2m×1.50t	34.7m×1.50t				
38.0	1.70	1.65	37.2m×1.50t	36.7m×1.50t						
38.9	38.8m×1.50t	38.6m×1.50t								

Notes:1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

- 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

 Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation between the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook Weight	Maximum Rated Load (to									
Capacity (ton)	(ton)	3	2	* * * 1a							
45	0.62	33.6	22	-							
22	0.60	-	22	-							

75% Tipping Load (PCSA Rating)

■Crane Ratings (Main boom with Jib in 360° Working Area) (4)



Main Boom Length (m)	10000000	1-6-1	2	19. 人工生产工作
Jib Boom Length (m)	PROPERTY.	0	TERROSE I	6
Offset Angle (°) Working Radius (m)	10	30	10	30
10.0	11.1m×19.55t	11.1m×19.30t	11.1m×19.15t	11.1m×18.75t
12.0	17.40	17.20	17.00	16.65
14.0	13.75	13.60	13.40	13.10
16.0	11.15	11.00	10.80	10.55
18.0	9.20	9.10	8.85	8.65
20.0	7.70	7.60	7.35	7.15
22.0	6.50	6.40	6.15	5.95
24.0	5.50	5.40	5.15	5.00
26.0	4.65	4.60	4.30	4.20
28.0	3.95	3.90	3.65	3.50
30.0	3.35	3.30	3.05	2.95
32.0	2.85	2.80	2.50	2.45
34.0	2.40	2.35	2.05	2.00
36.0	2.00	1.95	1.65	1.55
38.0	1.60	1.55	36.5m×1.50t	36.2m×1.50t
38.9	38.4m×1.50t	38.2m×1.50t		

Notes: 1. The rated loads shown do not exceed 75% of tipping load with the machine on firm level ground.

- The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook. Auxiliary hook Hook capacity: 11 ton Hook weight: 0.37 ton
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlation between the number of rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook	Maximu	m Rated Lo	ad (ton)
Capacity (ton)	Weight (ton)	3	2	1
45	0.62	33.6	22	1
22	0.60		22	-

Crane Boom Construction

Boom Length (m)	13	0.00	16	200	19	2	22	2	5	2	28	1 - 10 0 - 10 0 - 10	P is	3	4	-	37	4	10	4	13	-	6	-	19	10.64	52	444	55	***	58	6	61
Lower Boom 6.5m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Upper Boom 6.5m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3m(B) Boom Insert			1	Г	1		1		1		1		1		1		1		1		1		1		1		1	Г	1	П	1		1
3m Boom Insert		1		2	1	1		2	1	1		1		2	1	1		1		2	1	1		2	1	2	1	1		1	1	2	2
6m Boom Insert						1	1	1	1	2	2	1	1	1	1	2	2	1	1	1	1	2	2	2	2	1	1	2	2	1	2	1	2
9m Boom Insert												1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	4	3	4	3
														90.0	-34.5	eyap)	ere.	Jit	Le	ngth	: 10	m, 1	6m	12	9:41	6.87	10						
Available Jib														10/3			Jit	Le	ngth	: 22	m, 2	8m		0.0	1	Γ	_	1					_
Available aux. Jib			-					-		9-9-9	H-36. 9		1-26-3		0.5				1							_		_	-	-			

Notes: 1. 6m boom insert can be replaced with two 3m boom inserts, and 9m boom insert with a combination of 3m and 6m boom inserts.

- 2. When crane is transformed from tower crane by using tower boom of 52m or longer, the following boom inserts are required.
 - · 52-58m boom : 9m×1
 - 61m boom : 9m×1+3m×1

Crane Jib Construction

Elements	Jib Length (m)	10	16	22	28
Lower Jib	5m	1	1	1	1
Upper Jib	5m	1	1	1	1
6m Jib Inse	ert		1	2	3

■Component Weights and Dimensions for Transport

738755	Components	Weight (ton)	Q'ty	Height ×	Length	× Width (m)	Remarks
****** ******	Basic Machine	34.1	1	3.11	13.2	3.28	Including A-frame, lower boom, wire ropes for main hoist and boom hoist Excluding side frames, counterweights and float
	Basic Machine	31.4	1	3.11	7.79	3.28	Including A-frame Excluding side frames, lower boom, wire ropes for main hoist and boom hoist, counterweights and float
Basic Machine	Basic Machine	53.7	1	3.43	13.2	3.40	Including A-frame, lower boom, wire ropes for main hoist and boom hoist and side frames Excluding counterweights
有宗宗宗教(他) 在宗宗宗教(他)	Side Frame (one side)	9.75	2	1.11	6.40	0.93	
(中世界安全)	Counterweight A	8.58	1	0.91	3.48	1.27	
	Counterweight B	7.35	1	0.62	3.48	0.96	
84944	Counterweight C	7.17	1	0.53	3.48	1.29	
	Counterweight D	8.17	1	0.69	3.48	1.29	
22727	Lower Boom	1.19	1	1.81	6.69	1.79	Including foot-pin and boom-joint pin
****	Upper Boom	1.68	1	1.74	7.04	1.62	Including pendant ropes and hook overhoist cutoff switch
· 你你是你你!	Boom Stop (one side)	0.09	2	0.15	4.35	0.15	
***	Bridle	0.39	1	0.30	1.85	0.63	
り等を表示を含く の事を生むる。	3m Boom Insert	0.43	1	1.73	3.14	1.79	Including joint pin Excluding pendant ropes
1. 中央中央	6m Boom Insert	0.70	1	1.73	6.14	1.79	Including joint pin Excluding pendant ropes
· 安安· 安安·	9m Boom Insert	1.01	1	1.73	9.14	1.79	Including joint pin Excluding pendant ropes
Crane	Lower Jib	0.57	1	1.11	5.12	1.03	Including hook pin and jib mast
Front	Upper Jib	0.31	1	1.35	5.43	1.01	Including hook overhoist cutoff switch
中华有士多年	6m Jib Insert	0.18	1	0.93	6.08	1.06	
· 电电路 10 00 00 00 00 00 00 00 00 00 00 00 00	Jib Mast	0.35	1	0.62	4.80	0.85	
***	Aux Jib	0.33	1	0.84	1.47	0.94	Including hook overhoist cutoff switch
****	90ton Hook	0.97	1	1.98	0.73	0.45	
10年20日本	45ton Hook	0.62	1	1.76	0.73	0.36	
***	22ton Hook	0.60	1	1.67	0.73	0.36	
9.5 5 5 5 5	11ton Hook	0.37	1	1.03	0.45	0.45	

FULL-LUFFING TOWER CRANE



Unit: mm **■**Dimensions **■**Tower Jib Construction Jib Length (m) 19 33 39 42 45

: Available X: Not Available

Maximum rated load	ton×m	15.0×14.0 (45m tower+25m jib)
Tower length	m	27-45
Tower foot height	m.	2.05
Jib length	m	19-37
Tower+jib	* * * * * m	45+37
Working radius	m	8.6-53.0
Max.lift above ground	m	78 (45m tower+37m jib)
Line speeds*	****	
Hoist/lower	m/min	105/60/30
Jib hoist/lower	m/min	30
Tower hoist/lower	m/min	55
Ground pressure	kPa (kgfcm²)	101 (1.03)
Operating weight	ton	99.1 (45m tower+37m jib)

- Notes:1. Data is expressed in SI units, along with convertional units in (). 2. Other specifications, not shown, are similar to those for the
 - crawler crane.

3. Line speeds marked with an asterisk (*) will vary with the load.

Dimensions shown in () are with side frames fully retracted.

850

4 050

(2 550) 4 900 (3 400)

1 400

~41V~~41V~~~

1 250

5 360

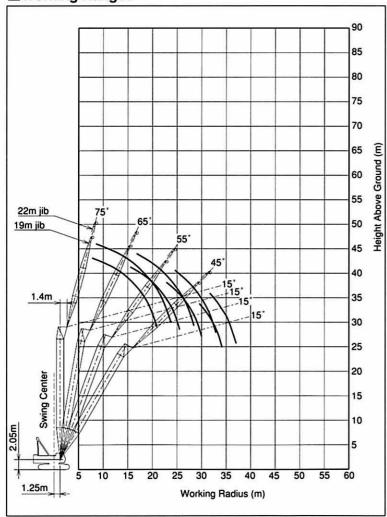
6 400

27_m Tower (2-Rope Reevings)

■Rated L	nade for	Tower	Crana

Hale	u Loau	5 101 1	ower C	Unit : tor								
Jib Length (m)	111111	******	9	医传染性病毒	22							
Tower Angle Working Radius (m)	90	80	70	60	90	80	70	60				
8.6	15.00				J							
9.0	15.00				9.5m×15.00t							
10.0	15.00	*****	**************************************	中央市 中南南	15.00	() () () () () ()	· · · · · · · · · · · · · · · · · · ·					
12.0	15.00				15.00							
14.0	15.00	15.6m×13.05t			15.00							
16.0	13.60	12.65			13.55	16.9m×11.70						
18.0	11.80	10.95			11.70	10.85						
20.0	10.35	9.60	******	40000	10.25	9.50	100000	10000				
22.0	21.0m×8.25t	8.55	22.9m×7.35t		9.10	8.45						
24.0		7.65	6.95		23.9m×7.05t	7.55	24.6m×6.60t					
26.0		25.4m×7.15t	6.25			6.85	6.15					
28.0			5.70	29.5m×4.80t		6.20	5.60					
30.0	***	10000000	29.9m×5.25t	4.65	水水中安存其	28.3m×6.15t	5.10	31.6m×4.25t				
32.0				4.30			4.70	4.15				
34.0				3.95			32.8m×4.55t	3.85				
36.0				34.1m×3.95t				3.55				
37.0								3.40				

■Working Ranges



Working ranges shown are under unloaded condition.

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times overfront stability stipulated by the mobile crane construction standards.

The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook	Hook
Capacity	Weight
(ton)	(ton)
22	0.60

11-14 - 4--

- Working radius is a horizontal distance between swing center of the machine and center of gravity of a load lifted.
- 4. Counterweight is 31.3 ton.
- Be sure to fully extend the side frames before operating the machine.

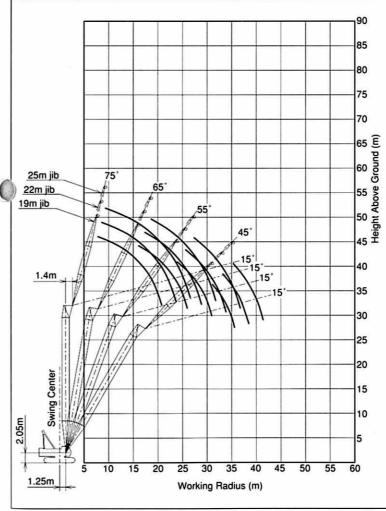
78% Tipping Load (JIS Rating)

30_m Tower (2-Rope Reevings)

■Rated Loads for Tower Crane

Jib Length (m)	****	*****	9	*****	1000000	2	2	22244	25			
Tower Angle Working Radius (m)	90	80	70	60	90	80	70	60	90	80	70	60
8.7	15.00											
9.0	15.00				9.5m×15.00t							
10.0	15.00	****	4.被水平水池	() 产进水水场	15.00	****	0.00	9.00	10.3m×15.00t	在京东市市中	电子格多声性	中央の中央
12.0	15.00				15.00				15.00			
14.0	15.00				15.00				15.00			
16.0	13.60	16.1m×12.40t			13.50	17.4m×11.15t			13.40			
18.0	11.75	10.80			11.70	10.70			11.60	18.7m×10.10t		
20.0	10.30	9.50	· · · · · · · · · · · · · ·	下水 化巴米斯市 下部 医全面 电压	10.25	9.40	ながれる方式の	****	10.15	9.25	· · · · · · · · · · · · · · · · · · ·	
22.0	21.0m×8.50t	8.45	23.9m×6.75t		9.10	8.35			9.00	8.20		
24.0		7.55	6.70		23.9m×7.25t	7.45	25.6m×6.05t		8.05	7.35		
26.0		25.9m×6.85t	6.05			6.75	5.95		7.30	6.65	27.3m×5.45t	
28.0			5.50			6.15	5.40		26.8m×6.251	6.00	5.25	
30.0	***	******	5.05	31.0m×4.25t	*****	28.8m×5.90t	4.95	中央中央政治会	外的原子图像	5.50	4.80	化学水中分析
32.0			30.9m×4.85t	4.05			4.55	33.1m×3.75t		31.7m×5.10t	4.40	
34.0				3.75			33.8m×4.20t	3.60			4.05	35.2m×3.30
36.0				35.6m×3.50t				3.35			3.75	3.20
38.0								3.10			36.7m×3.65t	2.95
40.0	*****	****	*****	京信音位音音:	*01250	5600000	*****	38.5m×3.05t	****	医医学学学的	******	2.75
41.4												2.60

■Working Ranges



Working ranges shown are under unloaded condition.

- Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times overfront stability stipulated by the mobile crane construction standards.
 - The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook	Hook
Capacity	Weight
(ton)	(ton)
22	0.60

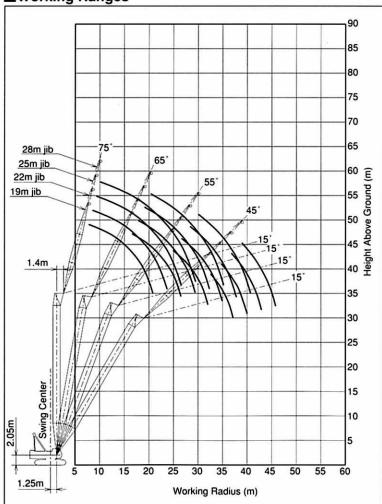
- Working radius is a horizontal distance between swing center of the machine and center of gravity of a load lifted.
- 4. Counterweight is 31.3 ton.
- Be sure to fully extend the side frames before operating the machine.

33m Tower (2-Rope Reevings)

■Rated Loads for Tower Crane

Rated	Loa	us io	IOW	ver Ci	ane											Unit: to
Jib Length (m)	***	****	9	医安全状态	0.06 ± 0.0	0000	2	****	0.000		25	4450	MARKE	2	8	200
Tower Angle Working Radius (m)	90	80	70	60	90	80	70	60	90	80	70	60	90	80	70	60
8.7	15.00															
9.0	15.00				9.6m×15.00t											
10.0	15.00	****	中央大学と		15.00			1500	10.4m×15.00t	1000	0.500	****	11.2m×15.00t	55557	11.00	1000
12.0	15.00				15.00				15.00				15.00			
14.0	15.00				15.00				15.00				15.00			
16.0	13.55	16.6m×11.75t			13.50	17.9m×10.60t			13.40				13.30			
18.0	11.75	10.65			11.65	10.55			11.55	19.2m×9.60t			11.45			
20.0	10.30	9.35	16 27 2	TETT	10.25	9.25		2224	10.15	9.10	***	10404	10.05	20.4m×8.80t		1000
22.0	21.0m×8.70t	8.30			9.10	8.20			9.00	8.05			8.90	7.95		
24.0		7.45	24.9m×6.20t		23.9m×7.45t	7.35			8.05	7.20			8.00	7.10		
26.0		6.70	5.85			6.65	26.6m×5.55t		7.30	6.50			7.20	6.40		
28.0		26.5m×6.55t	5.30			6.05	5.20		26.8m×6.35t	5.90	28.4m×4.95t		6.55	5.80		
30.0	****** *****	12217	4.85	0.000	1111	29.4m×5.65t	4.75	0.00	1211	5.40	4.60	12271	29.7m×5.45t	5.30	30.1m×4.45t	2523
32.0			4.45	32.5m×3.70t			4.35			4.95	4.20			4.85	4.10	
34.0				3.50			4.00	34.6m×3.30t		32.3m×4.90t	3.85			4.50	3.75	-
36.0				3.20			34.9m×3.85t	3.10			3.55	36.7m×2.85t		35.2m×4.25t	3.45	-6
38.0				37.1m×3.10t				2.85			37.7m×3.35t	2.70			3.20	38.8m×2.50
40.0	****	****	字传传乐	****	****	2000	0.00	2.65	2222	12.3.2.4		2.50	0000		2.95	2.40
42.0												2.35			40.6m×2.90t	2.20
44.0												42.9m×2.25t				2.00
45.8																1.85

■Working Ranges



Working ranges shown are under unloaded condition.

Notes: 1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times overfront stability stipulated by the mobile crane construction standards.

> 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook	Hook
Capacity	Weight
(ton)	(ton)
22	0.60

- 3. Working radius is a horizontal distance between swing center of the machine and center of gravity of a load lifted.
- 4. Counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

78% Tipping Load (JIS Rating)

36m Tower (2-Rope Reevings)

■Rated Loads for Tower Crane

Jib Length (m)	***	****	9	****	****		22	****	****	4000	25	****	E-E-9-W-	- 2	28	4440
Tower Angle Working Radius (m)	90	80	70	60	90	80	70	60	90	80	70	60	90	80	70	60
8.8	15.00															
9.0	15.00				9.6m×15.00t											
10.0	15.00	acerican	***		15.00	****	and the second		10.4m×15.00t	11000	00000	***	11.3m×15.00t	1111	2111	200
12.0	15.00				15.00				15.00				15.00			
14.0	15.00				15.00				15.00				15.00			
16.0	13.55	17.2m×11.10t			13.45				13.35				13.25			
18.0	11.70	10.50			11.65	18.4m×10.10t			11.55	19.7m×9.151			11.45			
20.0	10.30	9.20	0.000	0000	10.20	9.10	02512	12000	10.10	8.95	18/8/8/8	100000	10.00	21.0m×8.30t	1000	机造水板
22.0	21.0m×8.55t	8.15			9.05	8.05			8.95	7.95			8.90	7.85		
24.0		7.30	25.9m×5.65t		23.9m×7.35t	7.20			8.05	7.10			7.95	7.00		
26.0		6.60	5.65			6.50	27.7m×5.05t		7.25	6.40			7.20	6.30		
28.0		27.0m×6.30t	5.10			5.90	5.00		26.8m×6.30t	5.80	29.4m×4.55t		6.50	5.70		
30.0	E-1-2	****	4.65	12131	50,000	29.9mx5.45t	4.55	5555	1114	5.30	4.40	***	29.7m×5.40t	5.20	31.1m×4.10t	***
32.0			4.30				4.15			4.85	4.05			4.75	3.90	
34.0			33.0m×4.101	3.25			3.85			32.8m×4.70t	3.70			4.40	3.60	
36.0				3.00			35.9m×3.55t	36.1m×2.85t			3.40			35.7m×4.10t	3.30	
38.0				2.75				2.65			3.15	38.2m×2.45t			3.05	
40.0	49.64	4/4/4/15	E1531	38.6m×2.70t	8448	2000	16000	2.45	表示物质质	****	38.8m×3.05t	2.25	4 2 2 2	***	2.80	40.3m×2.05
42.0								41.5m×2.30t				2.05			41.7m×2.65t	
44.0												1.90				1.70
46.0												44.4m×1.85t				1.55
47.3																1.45

Jib Length (m)	31 31										
Tower Angle	00	00	4400								
Working Radius (m)	90	80	70	60							
12.1	14.90										
14.0	14.75										
16.0	13.20										
18.0	11.35										
20.0	9.95	17011	11111	****							
22.0	8.80	22.2m×7.65t									
24.0	7.85	6.90									
26.0	7.10	6.20									
28.0	6.45	5.60									
30.0	5.90	5.10	TILL	11243							
32.0	5.25	4.65	32.8m×3.65t								
34.0	32.6m×4.60t	4.30	3.50								
36.0		3.95	3.20								
38.0		3.65	2.95								
40.0	2234	38.6m×3.60t	2.70	69374							
42.0			2.50	42.5m×1.70t							
44.0			2.30	1.55							
46.0			44.6m×2.25t	1.40							
48.0				1.25							
50.0	12001	THE	2122.	1.15							
50.2				1.10							

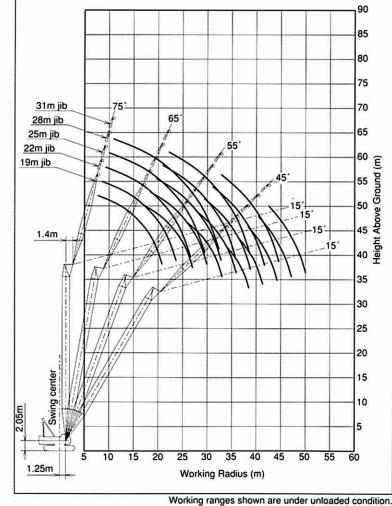
Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times overfront stability stipulated by the mobile crane construction standards.

> 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook Capacity (ton)	Hook Weight (ton)							
22	0.60							

- 3. Working radius is a horizontal distance between swing center of the machine and center of gravity of a load lifted.
- 4. Counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

■Working Ranges



Unit: ton

39_m Tower (2-Rope Reevings)

Datad	Loade	for Tower	Crana
Rated	Loaus	or rower	Crane

Jib Length (m)	5555	****	9	95550	2007	20000	2	有的条件	「中海を持	2	5	##324	8724	2	28	9.42
Tower Angle Working Radius (m)	90	80	70	60	90	80	70	60	90	80	70	60	90	80	70	60
8.8	15.00															
9.0	15.00				9.7m×15.00t											
10.0	15.00		*****	0.555	15.00	*****	2000	8028	10.5m×15.00t	****	$e \approx -0.00$	****	11.3m×15.00t	15553	2450	12.2
12.0	15.00				15.00				15.00				15.00			
14.0	15.00				15.00				15.00				15.00			
16.0	13.50	17.7m×10.55t			13.45				13.30				13.25			
18.0	11.70	10.30			11.60	18.9m×9.60t			11.50				11.40			
20.0	10.25	9.05	使长生 数1	2555	10.20	8.95	(B B B B B		10.10	20.2m×8.70t	(大)	***	10.00	21.5m×7.90t		1850
22.0	21.1m×8.75t	8.05			9.05	7.90			8.95	7.80			8.85	7.70		
24.0		7.20			7.50	7.10			8.00	6.95			7.95	6.85		
26.0		6.50	27.0m×5.15t			6.40			7.25	6.30			7.15	6.20		
28.0		27.5m×6.05t	4.90			5.80	28.7m×4.60t		26.9m×6.35t	5.70			6.50	5.60		
30.0	8388	****	4.45	13223	8474	5.30	4.35	生生水水() 生生水水()	经报出书	5.20	30.4m×4.10t	10000	29.8m×5.45t	5.10	****	****
32.0			4.10			30.4m×5.20t	4.00			4.75	3.85			4.65	32.1m×3.70t	
34.0			3.75	35.5m×2.80t			3.65			33.3m×4.50t	3.50			4.30	3.40	
36.0				2.75			3.35	37.6m×2.40t			3.25			3.95	3.10	
38.0				2.55			36.9m×3.25t	2.35			3.00	39.7m×1.95t		36.2m×3.95t	2.85	
40.0	4000	12222	***	2.30	を含める	0.00	5777	2.15	1 4 4 4 4	2000	39.8m×2.80t	1.95	62961	2555	2.65	41.8mX1.60
42.0				40.1m×2.30t				1.95				1.75			2.45	1.60
44.0								43.0m×1.85t				1.60			42.7m×2.40t	1.40
46.0												45.9m×1.45t				1.25
48.0																1.15
48.8																1.10

Jib Length (m)	F 4 E 5 A	3	1	9.5 5 5	2222	34	***
Tower Angle Working Radius (m)	90	80	70	65	90	80	70
12.1	14.90				13.0m×11.80t		
14.0	14.55				11.60		
16.0	13.15				11.25		
18.0	11.35				10.90		
20.0	9.90	8444	1000	1444	9.80	2022	12.651
22.0	8.80	22.8m×7.25t			8.70		
24.0	7.85	6.75			7.75	6.65	
26.0	7.05	6.10			7.00	5.95	
28.0	6.40	5.50			6.30	5.40	
30.0	5.85	5.00	12575	12221	5.75	4.90	10000
32.0	5.30	4.55	33.8m×3.30t		5.25	4.45	
34.0	32.7m×4.65t	4.20	3.30		4.85	4.10	35.6m×2.95
36.0		3.85	3.00		35.6m×4.00t	3.75	2.90
38.0		3.60	2.75	39.0m×2.20t		3.45	2.65
40.0	0.00	39.1m×3.45t	2.55	2.10	ききまた	3.20	2.40
42.0			2.35	1.90		3.00	2.20
44.0			2.15	1.70			2.00
46.0			45.6m×2.05t	1.55			1.80
48.0				1.40			1.65
48.7				1.35			48.5m×1.60

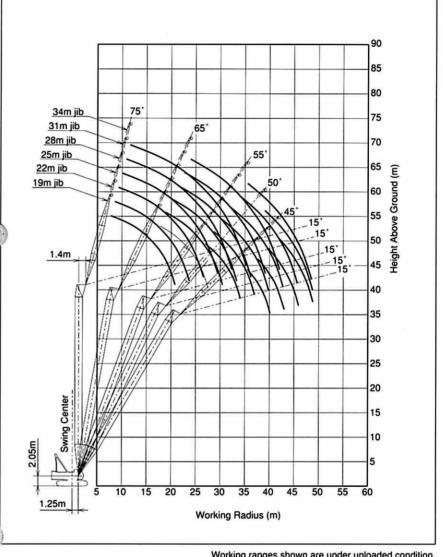
Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times overfront stability stipulated by the mobile crane construction standards.

> 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook	Hook
Capacity	Weight
(ton)	(ton)

- 3. Working radius is a horizontal distance between swing center of the machine and center of gravity of a load lifted.
- 4. Counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

■Working Ranges



Working ranges shown are under unloaded condition.

42_m Tower (2-Rope Reevings)

Datad	Loode	for Tower	Crana
Haieo	Loads	ior i ower	Crane

Rated			2 ST. AG	<u> </u>	u	FITT.	10									Unit : tor
Jib Length (m)	10000	9333	9	155661	0894		2	****			25	27.50	18753		8	Trans.
Tower Angle	90	80	70	60	90	80	70	60	90	80	70	65	90	80	70	65
Working Radius (m)	the second second		4.4		0.00		0.00	1	1000	1000	1000	0200	1000		2.5 5 5	
8.9	15.00															
9.0	15.00				9.7m×15.00t											
10.0	15.00	中央企业)	0000	13398	15.00	***	1000	****	10.5m×15.00t	1000	***		11.4m×15.00t	4555	4000	BETT TO
12.0	15.00				15.00				15.00				15.00			
14.0	15.00				15.00				15.00				15.00			
16.0	13.50				13.40				13.30				13.20			
18.0	11.65	18.2m×10.00t			11.60	19.5m×9.05t			11.45				11.40			
20.0	10.25	8.90	F-31-01-01-01	*****	10.15	8.75	****	***	10.05	20.7m×8.25t	10000	1000	9.95	***	10000	222
22.0	21.1m×8.90t	7.90			9.00	7.75			8.90	7.65			8.85	7.55		
24.0		7.05			7.60	6.95			8.00	6.80			7.90	6.70		
26.0		6.35				6.25			7.20	6.15			7.15	6.05		
28.0		5.80	4.65			5.70	29.7m×4.20t		26.9m×6.45t	5.55			6.45	5.45		
30.0	11111	*****	4.25	2777	7771	5.20	4.10	1888	****	5.10	31.4m×3.70t	2222	29.8m×5.50t	5.00	0.000	サカガス
32.0			3.90			30.9m×5.00t	3.75			4.65	3.60			4.55	33.2m×3.30t	
34.0			3.55				3.45			33.8m×4.30t	3.30			4.20	3.20	- 4
36.0			35.0m×3.45t	37.0m×2.30t			3.20				3.05	36.5m×2.50t		3.85	2.95	
38.0				2.15			37.9m×2.95t	39.1m×1.85t			2.80	2.30		36.7m×3.75t	2.70	38.4m×2.10t
40.0	2000	· 张安. 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6	12257	1.95	K 6 2 2 1	チャティ	法电影的	1.80	***	10000	2.60	2.10	12222	11111	2.50	1.95
42.0				41.6m×1.85t				1.60			40.8m×2.50t	1.90			2.30	1.75
44.0								1.45				1.75			43.7m×2.10t	2.000
46.0								44.5m×1.45t				44.2m×1.70t				1.40
47.1																1.35

Jib Length (m)		31	27557	****	34		2000	37	
Tower Angle Working Radius (m)	90	80	70	90	80	70	90	80	75
12.0	12.2m×14.25t			13.0m×11.75t			13.8m×9.30t		
14.0	13.95			11.60			9.30		
16.0	13.10			11.25			9.00		
18.0	11.30			10.90			8.70		
20.0	9.90	P 2 9 9 1	2121	9.80	1221	1000	8.45	10000	1000
22.0	8.75	23.3m×6.90t		8.65			8.20		
24.0	7.80	6.60		7.75	24.5m×6.30t		7.65	25.8m×5.80t	
26.0	7.05	5.95		6.95	5.80		6.85	5.70	
28.0	6.40	5.35		6.30	5.25		6.20	5.15	
30.0	5.85	4.90		5.75	4.75	2444	5.65	4.65	
32.0	5.30	4.45		5.25	4.35		5.15	4.25	32.2m×3.65
34.0	32.7m×4.70t	4.10	34.9m×2.95t	4.85	4.00		4.45	3.90	3.35
36.0		3.75	2.80	35.6m×4.00t	3.65	36.6m×2.60t	3.85	3.55	3.05
38.0		3.50	2.60		3.35	2.40	3.35	3.25	2.80
40.0	****	39.6m×3.25t	2.35		3.10	2.15	38.5m×3.25t	3.00	2.55
42.0			2.15		2.90	1.95		2.80	2.35
44.0			1.95		42.5m×2.85t	1.75		2.60	2.15
46.0			1.75			1.60		45.4m×2.45t	2.00
48.0			46.6m×1.70t			1.45			1.80
49.5				9		1.35			49.0m×1.75t

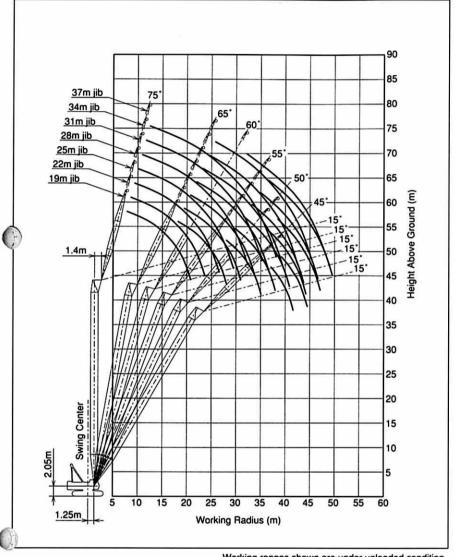
Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times overfront stability stipulated by the mobile crane construction standards.

> 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

Hook	Hook
Capacity	Weight
(ton)	(ton)
22	0.60

- 3. Working radius is a horizontal distance between swing center of the machine and center of gravity of a load lifted.
- 4. Counterweight is 31.3 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

■Working Ranges



Working ranges shown are under unloaded condition.

45_m Tower (2-Rope Reevings)

		for Tower	CHOMO
Rated	Oaos	ior Lower	Crane

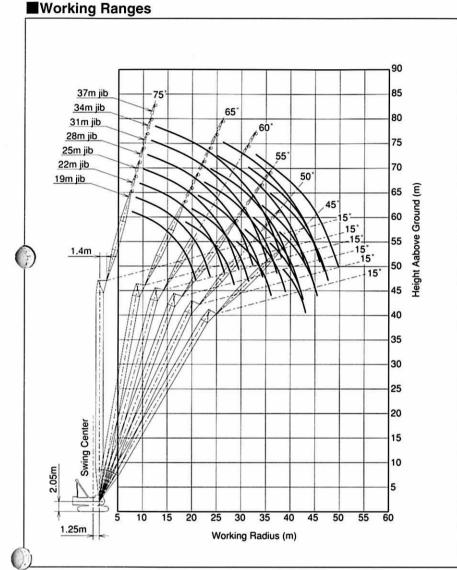
Jib Length (m)	44011	2221	19	22075	****	100000	22	2222	2222	2000	25	****	2007	28	Unit : to
the second second	0.2.2.2.3	******	12035	2.安全水水 1.安安水水	在 在 等 等 计	****	C 10 10 10 10	***	12-22-7	8255		1000	44.0	20	E
Tower Angle Working Radius (m)	90	80	70	60	90	80	70	65	90	80	70	65	90	80	70
8.9	15.00														
9.0	15.00				9.8m×15.001										
10.0	15.00	****	K0 0-50	FFF-0A	15.00	15050	6000	****	10.6mX15.00t	0.000	化的水色的	****	11.4m×14.55t		400
12.0	15.00				15.00				15.00				14.55		
14.0	15.00				15.00				15.00				14.05		
16.0	13.45				13.35				13.25				13.15		
18.0	11.65	18.7m×9.50t			11.55				11.45				11.35		
20.0	10.20	8.70	を 日本 中 大	を発を受ける	10.10	8.60	传染水池	10000	10.00	21.3m×7.80t	2020	***	9.95	· · · · · · · · · · · · · · · · · · ·	****
22.0	21.1m×9.10t	7.75			9.00	7.60			8.90	7.50			8.80	22.5m×7.15t	
24.0		6.90			7.65	6.80			7.95	6.70			7.90	6.55	
26.0		6.25				6.15			7.20	6.00			7.10	5.90	
28.0		5.65	29.0m×4.20t			5.55			26.9m×6.50t	5.45			6.45	5.35	
30.0	0.8.0.4.4	28.5m×5.55t	4.05	(安定等市	1446	5.10	30.7m×3.75t	1000	安在新安	4.95	多多水平	***	29.8m×5.55t	4.85	4964
32.0			3.70			31.4m×4.80t	3.55			4.55	32.5m×3.35t			4.45	
34.0			3.40				3.25	35.8m×2.50t		4.20	3.10			4.10	34.2m×2.95
36.0			3.10				3.00	2.45		34.3m×4.15t	2.85	37.7m×2.05t		3.75	2.75
38.0			36.1m×3.10t	38.5m×1.75t			2.75	2.20			2.60	2.00		37.2m×3.60t	2.50
40.0	安全安全	4000	10000	1.65		22.44	39.0m×2.65t	2.00	10-9-54	安保金原1	2.40	1.80	并告告本	和中南南)	2.25
42.0				1.45				1.85			41.9m×2.20t	1.60			2.05
44.0				43.1m×1.40t				42.5m×1.80t				1.45			1.85
46.0										(45.4m×1.35t			44.8m×1.80

Jib Length (m)	10000	31	****	****	34	F-3-3-3-3	E-1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	37	***
Tower Angle Working Radius (m)	90	80	70	90	80	75	90	80	75
12.0	12.2m×13.55t			13.1m×11.65t			13.9m×9.35t		
14.0	13.00			11.55			9.30		
16.0	12.45			11.20			9.00		
18.0	11.25			10.90			8.70		
20.0	9.85	9.9.9.93	68.981	9.75	12000	44241	8.45	18839	中央电池
22.0	8.70	23.8m×6.55t		8.60			8.15		
24.0	7.80	6.45		7.70	25.1m×5.95t		7.60		
26.0	7.00	5.80		6.90	5.70		6.85	26.3m×5.50t	
28.0	6.35	5.25		6.25	5.15		6.20	5.05	
30.0	5.80	4.75	当年がおり	5.70	4.65	31.5mx3.70t	5.65	4.55	***
32.0	5.30	4.35		5.25	4.25	3.60	5.05	4.15	33.0m×3.35
34.0	32.7m×4.75t	4.00	35.9m×2.60t	4.80	3.85	3.30	4.35	3.80	3.20
36.0		3.65	2.60	35.6m×4.05t	3.55	3.00	3.75	3.45	2.90
38.0		3.40	2.35		3.25	2.75	3.25	3.20	2.65
40.0	22024	3.15	2.10	***	3.00	2.55	38.5m×3.15t	2.95	2.45
42.0		40.1m×3.10t	1.90		2.80	2.35		2.70	2.20
44.0			1.70		43.0m×2.70t	2.15		2.50	2.00
46.0			1.55			1.95		45.9m×2.30t	1.80
48.0			47.6m×1.40t			46.8m×1.90t			1.65
49.7									1.50

Notes:1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times overfront stability stipulated by the mobile crane construction standards.

Hook	Hook
Capacity	Weight
(ton)	(ton)
00	0.00

- Working radius is a horizontal distance between swing center of the machine and center of gravity of a load lifted.
- 4. Counterweight is 31.3 ton.
- Be sure to fully extend the side frames before operating the machine.



■Tower Boom Construction

To	wer Length (m)	27	30	3	3	36	39		2	45
Lower Towe	r (6.5m)	1	1		1	1	1	- 0	1	1
Upper Tower (2.5m)		1	1	1		1	1		1	1
3m(B) Boom Insert		1	1	1		1	1	1		1
3m Boom Insert		1	1	2		1	1	2		1
6m Boom Insert		2	1	1	2	2	1	1	2	2
9m Boom Insert			1	1	1	1	2	2	2	2
	19m	•	-					200	4.6.4	
	22m			600				2.0	400	
Available	25m			48.0	2.12.2	10000			111	
Tower Jib	28m			+		****			137	
101161 010	31 m					C				
	34m						+			-
	37m							+		

Tower Jib Construction

Elements	lib Length (m)	19	22	25	28	31	34	37
Lower Jib	(6.5m)	1	1	1	1	1	1	1
Upper Jib	(6.5m)	1	1	1	1	-1	1	1
3m Jib Insert			1	2	1	1	2	1
6m Jib Insert		1	1	1	2	1	1	2
9m Jib Insert						1	1	1

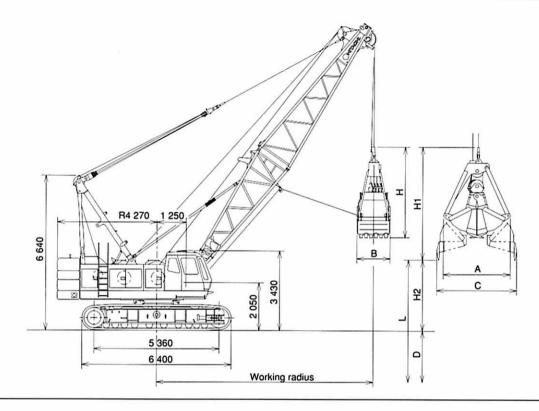
■Component Weights and Dimensions for Transport

(有电话水水)	Components	Weight (ton)	Q'ty	Height >	Length	× Width (m)	Remarks
1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Basic Machine	34.1	1	3.11	13.2	3.28	Including A-frame, lower boom, wire ropes for main hoist and boom hoist Excluding side frames, counterweights and float
	Basic Machine	31.4	1	3.11	7.79	3.28	Including A-frame Excluding side frames, lower boom, wire ropes for main hoist and boom hoist, counterweigts and float
Basic Machine	Basic Machine	53.7	1	3.43	13.2	3.40	Including A-frame, lower boom, wire ropes for main hoist and boom hoist and side frames Excluding counterweights
格尔斯尔斯尔 亚亚斯基尔斯	Side Frame (one side)	9.75	2	1.11	6.40	0.93	
****	Counterweight A	8.58	1	0.91	3.48	1.27	
****	Counterweight B	7.35	1	0.62	3.48	0.96	
****	Counterweight C	7.17	1	0.53	3.48	1.29	ď
*****	Counterweight D	8.17	1	0.69	3.48	1.29	(
· · · · · · · · · · · · · · · · · · ·	Upper Tower	0.89	1	3.02	2.43	1.62	Excluding links and guide rollers
****	3m Tower Insert(B)	0.81	1	2.28	3.14	1.79	Excluding guide sheaves and jib hanger
48484	Guide Roller	0.23	1	2.45	2.14	0.83	
24.84.64	Swing Llevers	0.92	1	1.02	5.18	1.68	
****	Lower Jib	0.62	1	1.25	6.95	1.68	Including jib stop
自由 电电压 图1	Upper Jib	0.67	_ 1	1.30	7.17	1.25	
Tower	3m Jib Insert	0.21	1	1.34	3.10	1.28	
Front	6m Jib Insert	0.38	1	1.34	6.10	1.28	
99393	9m Jib Insert	0.53	1	1.34	9.10	1.28	
20400	Tower Stop, Right	0.48	1	0.35	6.59	0.33	
****	Tower Stop, Left	0.48	1	0.47	6.59	0.29	
****	Tower Bridle	0.45	1	0.29	1.85	1.27	Including links for tower
***	Hanger (Tower Jib)	0.33	1	0.40	1.62	1.28	
****	Bridle (Tower Jib)	0.31	1	0.69	0.83	0.87	



Dimensions

Unit: mm



■Specifications

Bucket capacity	m ³	2.5				
Allowable clamshell gross weigh	nt ton	10.0				
Boom length	****m	1	3-22			
Max. digging depth	m	36				
Line speeds*	(水水水水水					
Suspend line	m/min	105/60/30	D 20 "			
Open/close line	m/min	105/60/30	Rope 26mm dia			
Boom hoist line	m/min	55	Rope 20mm di			
Ground pressure kPa	a (kgf/cm²)	93.	7 (0.96)			
Operation weight	ton	92.0 (13m boom + 2.5m3 bucke				

Clamshell Bucket

pacity (m³)	Weight (ton)	- A	В	С	a He	H1
2.5	5.5	2 880	1 400	3 450	4 180	5 130

- - 2. Other specifications, not shown, are similar to those for the
 - 3. Line speeds marked with an asterisk (*) will vary with the load.

■Specifications

Boom length m	1717		3	5349	1807	1721	6	5555	1000	6462	9	(本)	1000	c+++2	2	11.9%
Boom angle degree	35	45	55	65	35	45	55	65	35	45	55	65	35	45	55	65
Working radius m	12.4	11.0	9.3	7.3	14.8	13.1	11.0	8.6	17.3	15.2	12.7	9.9	19.8	17.3	14.4	11.1
Rated load ton	10	10	10	10	10	10	10	10	10	10	10	10	9.5	10	10	10
Lift L=D+H2 m	38.3	40.1	41.6	42.5	40.1	42.2	44.1	45.5	41.8	44.4	46.5	48.2	43.5	46.5	49.0	51.0
Max. digging depth D m								3	6							
Dumping height H2 m	2.3	4.1	5.6	6.5	4.1	6.2	8.1	9.5	5.8	8.4	10.5	12.2	7.5	10.5	13.0	15.0

- Notes:1. Rated loads for clamshell do not exceed 90% those for crane.
 - 2. The rated loads shown are upper limits determined by the following equation. Please select a bucket in such a manner that its rated load does not exceed the rated load shown above, according to kinds of the loads handled. Rated load=Bucket capacity(m³) × Specific gravity of load(ton/m³)+Bucket weight(ton) Be careful that brake will be overheated if the bucket is too heavy even within the rated loads.
 - 3. Working radius is the horizontal distance from the swing center to the center of gravity of lifted load.
 - 4. The bucket weight is 5.5 ton max.
 - 5. The counterweight is 31.3 ton.
 - 6. Be sure to fully extend the side frames before operating the machine.
 - 7. Free fall using brake will vary with operating conditions such as bucket weight and work cycle, but its height should be within 10m.

TECHNICAL DATA



STANDARD EQUIPMENT

BASIC MACHINE

Undercarriage

· Crawler-type undercarriage (with 850mm shoes)

Upperstructure

- Front lights (2 lights)
- · Rearview mirrors (left and right)
- · Centralized lubrication system
- (for gantry and swing circle) · Electric refuel device

- · Washers (front and roof windows)
- · Rolled sunshade (roof window)
- Sunvisor
- Floor mat
- · Room light

- (main and auxiliary hoist, and boom hoist)

- · Side frame extend cylinder (tandem)
- · Under-cover (at upperstructure bottom) Cab climbing steps
- · Ultra slow speed controlle
- Drum rotation sensing system
- 31.3 ton counterweight
- Standard tool kit

- Cab
- · Intermittent-wipers (front and roof windows) · Auto-tuning clock radio (AM/FM)
 - Cigarette lighter
 - Ashtray
 - · Brake mode selector switch
 - Electric tilt-type stand

Safety Devices

- Swing lock
- Drum pawl lock

- · Fail safe brake system
- · Pilot control shut-off lever
- · Before-work check monitor

STANDARD EQUIPMENT FOR RESPECTIVE FRONT ATTACHMENTS

Crane

- 13m basic boom (lower 6.5m, upper 6.5m)
- Boom stop
- Boom angle indicator
- 90ton hook • Main hoist rope (26mm dia.×200m)

- Boom hoist rope (20mm dia.×170m)
- Moment limite
- · Overhoist pervention device
- (Including secondary sefety device for main hook and boom hoist)

Full-Luffing Tower Crane

- 45m tower boom (lower:6.5m, 3m×2, 6m×2, 9m×2, upper:2.5m)
- 37m tower jib (lower:6.5m, 3m×1, 6m×2, 9m×1, upper:6.5m)
- Tower stop
- Tower boom angle indicator
- 22ton hook
- Main hoist rope (26mm dia.×260m)
- Tower jib hoist rope (26mm dia.×150m)

- Tower hoist rope (20mm dia.×180m)
- Moment limiter
- · Overhoist prevention device
- (including secondary safety device for hook, tower and jib)
- Anemometer
- Foam type level
- · Tower assembling pillow

Clamshell

- 13m basic boom (lower 6.5m, upper 6.5m)
- Boom stop
- · Boom angle indicator
- Open/close and suspend rope disengagement prevention device (for tubular chord boom)
- Open/close rope (26mm dia.×82m)

- Suspend rope (26mm dia.×70m)
- Hydraulic tagline (10mm dia.×55m rope included) and Boom hoist rope (20mm dia.×170m)
- *Two lengths of open/close and suspend ropes are determined based on 22m boom length and 12m digging depth.

Standard and Optional Equipment

○ : Standard equipment : Optional equipment

Standard and Optional Equipment	O . Standar	equipment .	Optional equipmen
Front Attachment for Crane	CRALWER CRANE	FULL-LUFFING TOWER CRANE	CLAMSHELL
90ton hook	0	• *1	_
45ton hook	•	● *2	2 <u>—</u> 2
22ton hook	•	0	-
11ton hook	•	•	_
3m boom insert	•	0	•
6m boom insert	•	0	•
9m boom insert	•	•	•
10m jib assembly [10m basic jib, aux. jib hook overhoist prevention device, jib mast, aux. jib rope (26mm dia.×170m), 11ton hook]	•	● *2	_
6m jib insert	•	● *2	_
Aux. jib assembly [aux. jib, aux. jib hook overhoist prevention device, aux. jib rope \$\cap26mm \text{dia.} \times 170m),11ton hook]	•	• *2	_
Aux. jib [aux. jib, aux. jib hook overhoist prevention device]	•	● *2, *3	_
Crane kit (6.5m upper boom, 90 ton hook, boom stop, main hoist hook overhoist prevention device	_	•	-
Front Attachment for Clamshell	化水子 化化物 医克拉斯氏 化克斯斯 化二甲基	热病含染色根清明培养 洗涤会企业应用含含力	法未受法律 不不 化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基
2.5m³ clamshell bucket	-	_	•
Openiclose and suspend ropes	A (0	_	•
Hydraulic tagline	(s—)/i	_	•
Upperstructure	· 法非常存在 电电子 电电子 医电子 电电子 电电子 电电子 电电子 电电子 电电子 电电子	· 在京都市中市市市市市 · 在京都市市市市市市市	******
Drum cooler (for aux. drum)	> 	-	•
Side walk (folded type)	•	•	•
Side walk (fixed type with handrails)	•	•	•
Fuel double element	•	•	•
Engine air cleaner double element	•	•	•
Cab	*******************************	中国专业企业企业企业。 医验验中央企业企业。	中央的名词形式 经发现 医甲状腺
AM/FM radio	0		0
)-an	•	•	•
Loudspeaker	•	•	•
Air conditioner	•	•	•
Heater	•	•	•
Safety Device	大学会 医牛皮肤皮肤皮肤皮肤皮肤	******	*********
Boom lower limiter			•
Foam type level (in cab)	•	0	•
Bucket overhoist prevention device	=	-	•
Undercarriage	*****		*********
Basic machine jack-up device (including side frame extend cylinders)	•	•	•
Notes: * 1. Included in crane kit	•		

*2. Designed for use with crane kit

*3. When purchased together with jib assembly, these component, excluding common parts such as hook and wire rope, are added



Hitachi Construction Machinery Co., Ltd.

Head Office: Nippon Bldg., 6-2 2-chome, Ohtemachi, Chiyoda-ku,Tokyo 100-0004, Japan Telephone: Tokyo (03) 3245-6390

Facsimile: Tokyo (03) 3246-2609

These specifications are not app	olicable to European and North America areas.
KC-E101	Printed in Japan '99.3 (TG/TG FT-