This catalog is not applicable to European and North America areas.
The machine shown may vary according to territory Specifications.
Specifications are subject to change without notice.

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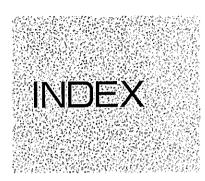


Specifications

HITACHI SUMITOMO

Courtesy of Crane.Market

SCX900 HYDRAULIC CRAWLER CRANE



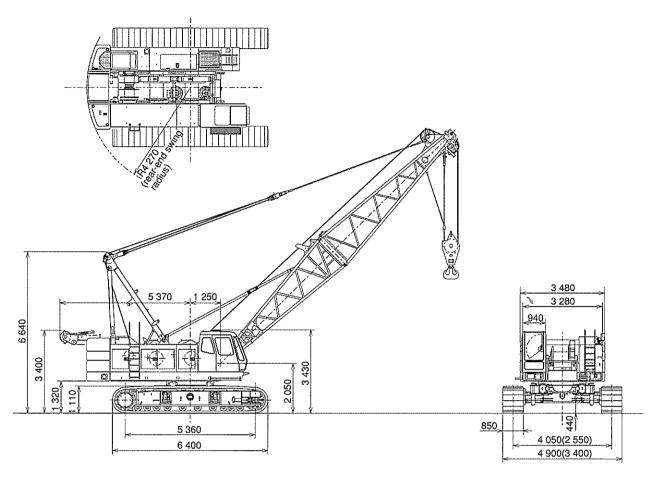
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Note: • "ton" or "t" implies metric tons in this catalog.

• Specifications conform to the Safety Regulations for Cranes and Mobile Cranes in Japan.

CRAWLER CRANE

■Dimensions



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

■Specifications

Maximum rated Load × Working radius	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	m/min	*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	kW/min ⁻¹ (PS/rpm)	184/2 000 (250/2 000)
Ground Pressure	kPa(kgf/cm²)	89 (0.91)
Operating Weight	ton	87.5 (Equipped with 13 m boom and 90 ton capacity hook)

Notes: 1. Data is expressed in SI units, followed by conventional units in ().
2. *Line speeds will vary with the load.



SUPERSTRUCTURE



Engine

Model	.Mitsubishi 6D24-T
	.Water-cooled, 4-cycle, 6-cylinder,
B	direct fuel injection type diesel engine .184 kW (250 PS) at 2 000 min ⁻¹
Rated horsepower	
* * 3 *	(2 000 rpm)
waximum torque	.981 N·m (100 kgf·m) at 1 400 min ⁻¹
D' I I' I	(1 400 rpm)
Piston displacement	
Fuel tank capacity	
Electric system	.DC 24 V

Main and Auxiliary Hoist Mechanism

- •The SCX900 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 fall.

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.

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.

Lowerable for transportation.

Counterweight

Welded structure, total weight	30 400 kg
Consisting of 4 sections: One	8 580 kg
Ono	6 610 kg

One 6 610 kg One 7 850 kg

Boom

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

Crane Jib

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

12-part boom hoist wire rope reeving

al length 10.0 m, 2-piece construction;
per section 5.0 m and lower section 5.0 m
heave (560 mm PCD) mounted on
i-friction bearings on jib top
m long available
-connected
tional. Attachable to the main boom top
noist the light load quickly with a single
e

Note: Boom insert, crane jib, or auxiliary jib can be attached to the basic boom when needed. However, both crane iib 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-part boom hoist wire rope reeving.

Tower Jib

1 150 mm wide by 1 150 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 and 6.0 m long available
Connection type	Pin-connected
Tower jib hoist bridle	Serves as connection between tower boon
•	pendants and tower boomb hoist wire rope
	reeving, equipped with 4 sheaves (540 mn

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.

H HYDRAULIC SYSTEM

- •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.

	Pump-1	Pump-2
Type of pump	Variable di	splacement
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
December cotting	27,5 MPa	4.9 MPa
Pressure setting	(280 kgf/cm ²)	(50 kgf/cm ²)
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 axial piston motor with counterbalance valve

Swashplate-type axial piston motor

Travel Motors

Swashplate-type axial piston motors with brake valve and spring-set/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 Hoist (main and aux.).....29.4 MPa (300 kgf/cm²)25.5 MPa (260 kgf/cm²) Swing ... Overload relief valves Hoist (main and aux.) circuits......30.8 MPa (315 kgf/cm²) Boom hoist circuit31.4 MPa (320 kgf/cm²) Pilot Circuit

Line Filters

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

UNDERCARRIAGE

Traction mechanism

- Each track is driven by a swashplate-type axial piston motor through reduction gear. This mechanism allows counter-rotation 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.

Side-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 self-seal 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
	í10
	55
	850 mm

CONTROLS

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 power 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.

SAFETY DEVICE

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 both the boom and/or hook.

●Pilot Control Shut-off Lever

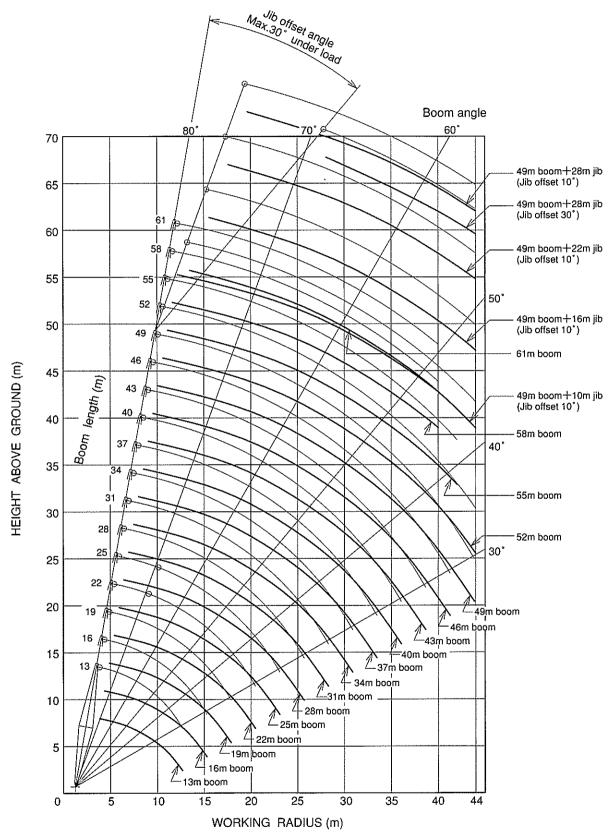
The pilot control shut-off lever shuts out the hydraulic pilot pressure to pilot control valves. With the pilot control shut-off lever in the LOCK position, the machine will not operate even if the lever is accidentally shifted.

• Fail-safe mechanism

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

SERVICE REFILL CAPACITIES

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



Note: Working ranges shown are under unloaded condition.



30.8m×5.20t

4.75

4.45

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

Unit: ton Boom Length (m) Working Radius 16 22 25 28 31 34 37 4.0 90.00 4.5 80.50 4.6m×78.45t 5.1m×68.25t 5.0 70.60 70.80 5.7m×57.25t 5.5 60.85 60.65 60.55 6.0 53.35 53.10 53.00 52.95 6.2m×50.30t 6.7m×44.00t 6.5 47.40 47.20 47.25 47.00 46.90 7.0 42.65 42.25 42.20 42.05 7.3m×39.45t 7.8m×35.75t 42.40 42.10 35.45 35.00 8.0 35.20 35.05 34,85 34.80 34.50 8.4m×32.15t 34.65 9.0 30.25 30.00 29.85 29.75 29.65 29.55 29.40 29.30 29.25 25.90 20.35 10.0 26.35 26.05 25.85 25.70 25.65 25,45 25.35 25.25 12.0 20.30 20.60 20.55 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 13.70 13.35 13.75 13.50 13.30 18.0 17.8m×12.25t 11.95 11.80 11.70 11.50 11.35 11.30 20.0 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 7.55 7.45 26.0 25.6m×7.20t 6.85 6.70 6.60 28.0 6.15 6.00 5.90 30.0 28.2m×6.10t 5.40 5.25

Working Radius	Boom Length (m)										
(m) T	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	feedings to by account of				
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.

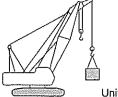
- 2. The load to be actually lifted, will be the rated load shown minus the weight of all lifting attachments, such as a hook.
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- 4. The counterweight is 30.4 ton.

32.0

33.4

- The confidence of the side frames before operating the machine.
 Correlation among the number of rone reevings, maximum rated loads and hook weights are shown in the table below

u. Correlation a	among me num	nel ol tobe tee	virigs, maximum	i rateu ibaus ai	iu nook weigins	are snown in u	ie table below.		
Hook	Hook				Maximum Ra	ted Load (ton)			
Capacity	Weight	8	7	6	5	4	3	2	1
(ton)	(ton)						, and the second		
90	0.97	90	77	66	55	44		_	*
45	0.62			_	_	44	33	22	
22	0.60		-	*****	*******		_	22	_



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

- Crane Italii	ngs (Auxinai	y 010 111 000	WOIKING ALE	a)				onit. to				
Working Radius		Boom Length (m)										
(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				A			29.6m×5.45t	5.15				
32.0								4.65				
32.2								5.60				

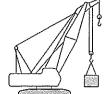
Working Radius				Boom Length (m)			
(m)	37	40	43	46	49	52	55
9.1	11.00	9.7m×11.00t					
10.0	11.00	11.00	10.2m×11.00t	10.8m×11.00t	11.3m×11.00t	11.9m×11.00t	
12.0	11.00	11.00	11.00	11.00	11.00	11.00	12.4m×11.00t
14.0	11.00	11.00	11.00	11.00	11.00	11.00	11.00
16.0	11.00	11.00	11.00	11.00	11.00	11.00	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		ĺ		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)	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 30.4 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)

■Crane Rati	ngs (Main Bo	oom with Aux			D Unit: to:				
Working Radius				Boom Le	ength (m)				
(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	50.15	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	3460	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	29.95	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				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					and the same with the same of		28.2m×5.75t	5.00	
30.8				Î '				4.80	

Working Radius		Boom Length (m)											
(m)	37	40	43	46	49	52	55						
8.4	31.75	8.9m×29.10t		THE STATE OF STATE		1002-00 NC250 COS50000000 COS500000	52 m2 come to						
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		S. Gaves St. No. 5	38.6m×2.50t	2.15	2.15	2,20	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

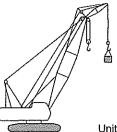
- 3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.

- 4. The counterweight is 30.4 ton.

 5. Be sure to fully extend the side frames before operating the machine.

 6. Correlations among the number of hoist rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook				Maximum Ra	ted Load (ton)			
Hook Capacity (ton)	Weight (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							22	



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

Boom Length (m) Jib Length (m) Offset Angle (°) 10 10 30 30 10 30 Working Radius (m) 11.3 11.00 13.4m×11.00t 12.0 11.00 14.0 11.00 14.3m×11.00t 11.00 15.5m×9.20t 16.0 11.00 17.6m×5.05t 11.00 10.60 9.05 18.20m×8.55t 18.0 11.00 10.20 11.00 8.65 5.00 20.0 4.70 9.95 9.80 10.20 8.20 8.30 8.65 4.50 22.0 8.95 7.80 22.1m×6.25t 8.90 7.95 24.0 7.60 7.90 7.85 7.45 7.65 5.90 4.30 26.0 28.0 3.25 3.15 7.10 6.70 6.95 6.95 7.15 5.60 4.10 3.90 6.00 6.20 6.20 6.55 6.35 5.35 30.0 5.35 5.50 5.55 5.85 5.70 5.10 3.75 3.05 32.0 4.80 4.95 5.15 5.00 4.90 3.60 3.00 5.25 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 3.80 4.10 3.25 2.75 3.70 3.90 40.0 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 3.15 3.40 2.65 3.20 3.05 44.0 2.80 2.90 2.90 3.10 2.95 2.60 2.65 2.40 2.55 2.55 46.0 2.45 2.60 2.80 2.70 48.0 46.3m×2.35t 2.55 2.50 47.2m×2.30t 50.0 2.20 2.30 2.25 2.45 2.10 1.90 2.25 2.05 52.0 51.9m×1.80t 2.05 54.0 53.2m×1.75t 56.0 1.60 1.85 58.0 56.5m×1.50t 1.55 58.5 58.2m×1.50t

Boom Length (m)	.37										
Jib Length (m)	1	0	1	6		22	2	8			
\ Offset Angle (°) Working Radius (m) \	10	30	10	30	10	30	10	30			
11.9	11.00										
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	9.55	10.10	8.30	8.40		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			2,10	2.25	2.30	2.45	2.35	2.55			
50.0			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						551.1m×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)	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 30.4 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

(Jib in 360° Working Area) (2)	Unit: t

ICrane Rating Boom Length (m)				4	0			
Jib Length (m)	1	0	1	6	2	2	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×3.25t
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
57.3								1.50

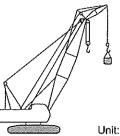
Boom Length (m)				4	3			
Jib Length (m)	1	0	1	6	2	2	28	
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
13.0	11.00							
14,0	11.00		15.1m×11.00t					
16.0	11.00	10.95	11.00		17.2m×9.15t			
18.0	11.00	10.55	11.00	19.9m×8.50t	9.00		19.3m×5.00t	
20.0	9.50	10.00	9.80	8.50	8.65		4.90	
22.0	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×3.25t
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	3,15	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			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

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)	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 30.4 ton.
- 5. Be sure to fully extend the side frames before operating the machine.



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

■Crane Rating	เร (มเม เท งงบ	" Working Ar	ea) (3)				ننگششش) Unit: to
Boom Length (m)				4	l6			
Jib Length (m)	1	0	1	16	2	22	2	8
\ Offset Angle (°) Working Radius (m) \ \	10	30	10	30	10	30	10	30
13.5	11.00							
14.0	11.00		15.6m×11.0t					
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		4.95	
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×3.20t
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			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

Boom Length (m)				4	19			
Jib Length (m)	1	10	1	16	2	22	28	
Offset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30
14.1	11.00		The Line is Note that of an Indian description	Action Manual United Indiana Manual M	at the second se			
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		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			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

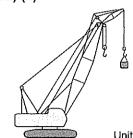
Notes: 1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

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)	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 30.4 ton.
- 5. Be sure to fully extend the side frames before operating the machine.

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



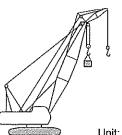
				Unit: tor
Boom Length (m)		5	2	
Jib Length (m)	1	0	1	6
Offset Angle (°) Working Radius (m)	10	30	10	30
14.6	11.00			
16.0	11.00	17.6m×10.20t	16.7m×11.00t	
18.0	10.75	10.10	11.00	
20.0	9.10	9.60	9.40	21.5m×77.10t
22.0	7.80	8.30	8.10	7.00
24.0	6.75	7.20	7.00	6.70
26.0	5.85	6.25	6.10	6.40
28.0	5.10	5.45	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
48.7				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 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)	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 30.4 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)

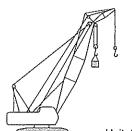
Contraction and accommunity of a property of the contraction of the co			gs (want boom with oib in 500 Working Alea) (1)							
	Accidental Constitution		3	4						
10)	S S S S 1	6	22		28				
10	30	10	30	10	30	10	30			
34.60	34.30	34.15	33,50	33.55	32.60	32.90	31.50			
33.40	33.05	32.90	32.30	32.30	31.40	31.65	30.35			
28.20	27.90	27.70	27.20	27.15	26.35	26.50	25.40			
24.20	23.95	23.75	23.30	23:20	22.55	22.60	21.65			
18.65	18.45	18.20	17.85	17.70	17.15	17.10	16.40			
14.90	14.75	14.50	14.20	14.00	13.60	13.45	12.85			
12.25	12.10	11.80	11.60	11.35	11.00	10.80	10.35			
10.25	10.15	9.85	9.65	9.35	9.10	8.85	8.50			
8.70	8.60	8.30	8.15	7.85	7.60	7.35	7.05			
7.45	7.40	7.05	6.95	6.60	6.45	6.10	5.90			
6.45	6.40	6.05	5.95	5.60	5.50	5.15	4.95			
5.60	5.55	5.20	5.15	4.80	4.70	4.30	4.20			
4.90	4.85	4.55	4.50	4.10	4.05	3.55	3.45			
4.20	4.15	3.70	3.65	3.20	3.10	2.60	2.50			
3.80	3.75	3.30	3.30	2.80	2.75	2.20	2.15			
	10 34.60 33.40 28.20 24:20 18.65 14.90 12.25 10.25 8.70 7.45 6.45 5.60 4.90 4:20	34.60 34.30 33.40 33.05 28.20 27.90 24.20 23.95 18.65 18.45 14.90 14.75 12.25 12.10 10.25 10.15 8.70 8.60 7.45 7.40 6.45 6.40 5.60 5.55 4.90 4.85 4.20 4.15	10 30 10 34.60 34.30 34.15 33.40 33.05 32.90 28.20 27.90 27.70 24.20 23.95 23.75 18.65 18.45 18.20 14.90 14.75 14.50 12.25 12.10 11.80 10.25 10.15 9.85 8.70 8.60 8.30 7.45 7.40 7.05 6.45 6.40 6.05 5.60 5.55 5.20 4.90 4.85 4.55 4.20 4.15 3.70	10 16 10 30 10 30 34.60 34.30 34.15 33.50 33.40 33.05 32.90 32.30 28.20 27.90 27.70 27.20 24.20 23.95 23.75 23.30 18.65 18.45 18.20 17.85 14.90 14.75 14.50 14.20 12.25 12.10 11.80 11.60 10.25 10.15 9.85 9.65 8.70 8.60 8.30 8.15 7.45 7.40 7.05 6.95 6.45 6.40 6.05 5.95 5.60 5.55 5.20 5.15 4.90 4.85 4.55 4.50 4.20 4.15 3.70 3.65	10 16 2 10 30 10 30 10 34.60 34.30 34.15 33.50 33.55 33.40 33.05 32.90 32.30 32.30 28.20 27.90 27.70 27.20 27.15 24.20 23.95 23.75 23.30 23.20 18.65 18.45 18.20 17.85 17.70 14.90 14.75 14.50 14.20 14.00 12.25 12.10 11.80 11.60 11.35 10.25 10.15 9.85 9.65 9.35 8.70 8.60 8.30 8.15 7.85 7.45 7.40 7.05 6.95 6.60 6.45 6.40 6.05 5.95 5.60 5.60 5.65 5.20 5.15 4.80 4.90 4.85 4.55 4.50 4.10 4.20 4:15 3.70 3.65 3:20 <td>10 16 22 10 30 10 30 10 30 34.60 34.30 34.15 33.50 33.55 32.60 33.40 33.05 32.90 32.30 32.30 31.40 28.20 27.90 27.70 27.20 27.15 26.35 24.20 23.95 23.75 23.30 23.20 22.55 18.65 18.45 18.20 17.85 17.70 17.15 14.90 14.75 14.50 14.20 14.00 13.60 12.25 12.10 11.80 11.60 11.35 11.00 10.25 10.15 9.85 9.65 9.35 9.10 8.70 8.60 8.30 8.15 7.85 7.60 7.45 7.40 7.05 6.95 6.60 6.45 6.45 6.40 6.05 5.95 5.60 5.50 5.60 5.55 5.20 5.15 4.80</td> <td>10 16 22 2 10 30 10 30 10 34.60 34.30 34.15 33.50 33.55 32.60 32.90 33.40 33.05 32.90 32.30 32.30 31.40 31.65 28.20 27.90 27.70 27.20 27.15 26.35 26.50 24.20 23.95 23.75 23.30 23.20 22.55 22.60 18.65 18.45 18.20 17.85 17.70 17.15 17.10 14.90 14.75 14.50 14.20 14.00 13.60 13.45 12.25 12.10 11.80 11.60 11.35 11.00 10.80 10.25 10.15 9.85 9.65 9.35 9.10 8.85 8.70 8.60 8.30 8.15 7.85 7.60 7.35 7.45 7.40 7.05 6.95 6.60 6.45 6.10 6.45 6.4</td>	10 16 22 10 30 10 30 10 30 34.60 34.30 34.15 33.50 33.55 32.60 33.40 33.05 32.90 32.30 32.30 31.40 28.20 27.90 27.70 27.20 27.15 26.35 24.20 23.95 23.75 23.30 23.20 22.55 18.65 18.45 18.20 17.85 17.70 17.15 14.90 14.75 14.50 14.20 14.00 13.60 12.25 12.10 11.80 11.60 11.35 11.00 10.25 10.15 9.85 9.65 9.35 9.10 8.70 8.60 8.30 8.15 7.85 7.60 7.45 7.40 7.05 6.95 6.60 6.45 6.45 6.40 6.05 5.95 5.60 5.50 5.60 5.55 5.20 5.15 4.80	10 16 22 2 10 30 10 30 10 34.60 34.30 34.15 33.50 33.55 32.60 32.90 33.40 33.05 32.90 32.30 32.30 31.40 31.65 28.20 27.90 27.70 27.20 27.15 26.35 26.50 24.20 23.95 23.75 23.30 23.20 22.55 22.60 18.65 18.45 18.20 17.85 17.70 17.15 17.10 14.90 14.75 14.50 14.20 14.00 13.60 13.45 12.25 12.10 11.80 11.60 11.35 11.00 10.80 10.25 10.15 9.85 9.65 9.35 9.10 8.85 8.70 8.60 8.30 8.15 7.85 7.60 7.35 7.45 7.40 7.05 6.95 6.60 6.45 6.10 6.45 6.4			

Boom Length (m)				3	7				
Jib Length (m)	1	0	1	6	22		28		
Offset Angle (°)	10	30	10	30	10	30	10	30	
Working Radius (m)	10	30	10	30	IU	30	IU .	30	
8.4	31.10	30.75	30.60	30.00	30.05	29.15	29.40	28.15	
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	3.30	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 30.4 ton.
- 5. Be sure to fully extend the side frames before operating the machine.
- 6. Correlations among the number of hoist rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook		Maximum Ra	ed Load (ton)	
Capacity (ton)	Weight (ton)	4	3	2	1
45	0.62	34.6	33	22	
22	0.60			22	



mCrane Datings (Main been with lib in 360° Working Area) (2)

Boom Length (m)	2000888				10				
Jib Length (m)	1	10		16		22		28	
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			

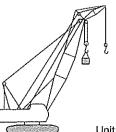
Boom Length (m)			removement in real removal and remove a		13		La grande continue de la continue de		
Jib Length (m)			1	16		22		28	
Offset Angle (°) Working Radius (m)	10.	30	10	30	10	30	10	30	
9.5	25.75	25.45	25.30	24.75	24.75	24.00	24.20	23.10	
10.0	23.90	23,60	23.45	22.95	22.95	22.20	22.35	21.35	
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×1.50	
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.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.

- The counterweight is 30.4 ton.
 Be sure to fully extend the side frames before operating the machine.
 Correlations among the number of hoist rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook		Maximum Ra	ted Load (ton)	
Capacity	Weight		9	2	4
(ton)	(ton)		3		
45	0.62	34.6	33	22	
22	0.60			22	



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

■Crane Ratings	s (iwain boo	m with Jib in	1 300° WOLKIL	ig Area) (3)			<u> </u>	Unit: to	
Boom Length (m)				4	16				
Jib Length (m)		10	1	6	2	22	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	1.35	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							

Boom Length (m)				4	.9					
Jib Length (m)	1	0	1	6	2	22	28			
Voffset Angle (°) Working Radius (m)	10	30	10	30	10	30	10	30		
10.6	21.75	21.50	21.30	20.85	20.85	20.15	20.30	19.35		
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	7.70	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	5.50	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.

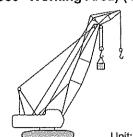
 2. The load to be actually lifted will be the rated load shown minus the weight of all lifting attachments such as a hook.

 - 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 30.4 ton.
 - 5. Be sure to fully extend the side frames before operating the machine.
 - 6. Correlations among the number of hoist rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook		Maximum Ra	ted Load (ton)	
Capacity (ton)	Weight (ton)	4	3	2	1
45	0.62	34.6	33	22	_
22	0.60	,	-	22	

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



				Unit: tor			
Boom Length (m)		5	2				
Jib Length (m)	1	0	16				
Offset Angle (°)	10	30	10	30			
Working Radius (m)				40.00			
11.1	20.15	19.90	19.75	19.30			
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			
38.4	1.50	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.

 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 30.4 ton.

 - The counterweight is 30.4 ton.
 Be sure to fully extend the side frames before operating the machine.
 Correlations among the number of hoist rope reevings, maximum rated loads and hook weights are shown in the table below.

Hook	Hook		Maximum Ral	ted Load (ton)	
Capacity (ton)	Weight (ton)	- 4	3	2	1
45	0.62	34.6	33	22	
22	0.60	_		22	

■Crane Boom Construction

Boom Ler Elements	ngth (m)	13	1	6	1	9	2	22	2	25	2	28	3	1	3	4	3	7	4	0	4	3	4	6	4	9	5	2	5	55	5	8	6) 1
Lower Boom	6.5 m	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	6.5 m	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
3 m Boom Insert				1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		
3 m 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
6 m 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
9 m Boom Insert													1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	4	3	4	3
Available Jib								***************************************											Jib	Len	gth	10 r	n, 1	6 m						A	L			
Available Jib																		Jib	Len	gth	22 r	n, 2	8 m						·					
Available aux. Jib			9028895 Address (4)	50005 Velore	98969 94694	38995 1685 184	949586 94556					(499805) 14998041								2000000 Cyproce	0056900 1440040									>				

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

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

■Crane Jib Construction

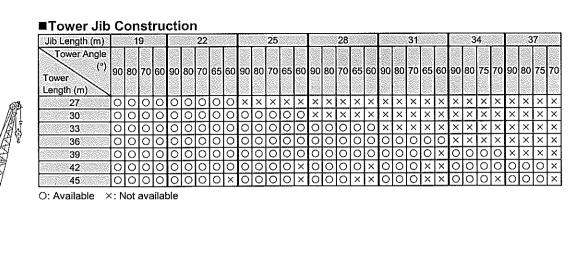
Jib Le	ength (m)	10	16	22	28
Lower Jib	5 m	1	1	1	1
Upper Jib	5 m	1	1	1	1
6 m Jib Insert			1	2	3

■Component Weights and Dimensions for Transport

	Components	Weight (ton)	Q'ty	Length ×	Width × I	Height (m)	Remarks
	Basic Machine	35.1	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	32.4	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	54.7	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
	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	6.61	1	0.53	3.48	0.96	
	Counterweight D	7.85	1	0.66	3.48	0.96	
	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
	Boom Stop (one side)	0.09	2	0.15	4.35	0.15	
	Bridle	0.39	1	0.30	1.85	0.63	
	3 m Boom Insert	0.43	1	1.73	3.14	1.79	Including joint pin Excluding pendant ropes
	6 m Boom Insert	0.70	1	1.73	6.14	1.79	Including joint pin Excluding pendant ropes
	9 m Boom Insert	1.01	1	1.73	9.14	1.79	Including joint pin Excluding pendant ropes
	Lower Jib	0.57	1	1.11	5.12	1.03	Including hook pin and jib mast
Crane Front	Upper Jib	0.31	1	1.35	5.43	1.01	Including hook overhoist cutoff switch
FIORE	6 m Jib Insert	0.18	1	0.93	6.08	1.06	
	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
	90 ton Hook	0.97	1	1.98	0.73	0.45	
	45 ton Hook	0.62	1	1.76	0.73	0.36	
	22 ton Hook	0.60	1	1.67	0.73	0.36	
	11 ton Hook	0.37	1	1.03	0.45	0.45	

FULL-LUFFING TOWER CRANE

Unit: mm **■**Dimensions



■Specifications Maximum rated load 15.0 × 14.0 (45 m tower + 25 m jib) ton × m Tower length Tower foot height m Jib length m Tower + Jib m Working radius m Max. lift above ground m Line speeds Hoist / lower m/min

Notes: 1. Data is expressed in SI units, followed by conventional units in ().

kPa (kgf/cm²)

ton 2. Other specifications, not shown, are similar to those for the crawler crane.

m/min m/min

3. *Line speeds will vary with the load.

Jib hoist / lower

Operating weight

Tower hoist / lower Ground pressure

5 360

6 400

850.

4 050

(2 550) 4 900

27 to 45

2.05

19 to 37

45 + 37

8.6 to 53.0

78 (45m tower + 37m jib)

*105/60/30

*50/30

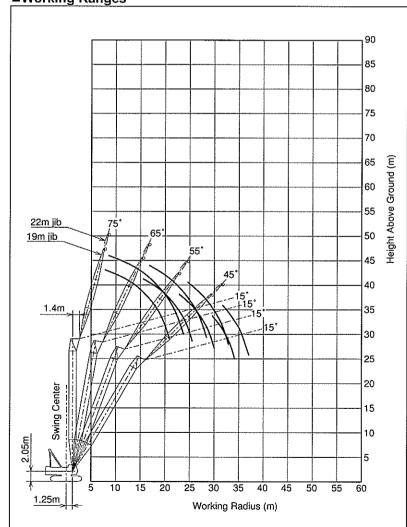
*55

101 (1.03)

99.1 (45 m tower + 37 m jib)

■Rated Loads	for low	er Crane	}					Unit: ton
Jib Length (m)		1	9			2	2	
\ Tower Angle (°) Working Radius (m) \	90	80	70	60	90	80	70	60
8.6	15.00							
9.0	15.00				9.5×5.00			
10.0	15.00	Salah managaran	30.50.50.E	PERMITTER NEW VIEW	15.00		200000000000000000000000000000000000000	
12.0	15.00	i			15.00			Î
14.0	15.00	15.6×13.05			15.00			
16.0	13.60	12.65			13.55	16.9×11.70		
18.0	11.80	10.95	····		11.70	10.85		
20.0	10.35	9.60	(0.15)		10.25	9.50		
22.0	21.0×8.25	8.55	22.9×7.35		9.10	8.45		
24.0		7.65	6.95		23.9×7.05	7.55	24.6×6.60	
26.0		25.4×7.15	6.25			6.85	6.15	
28.0			5.70	29.5×4.80		6.20	5.60	
30.0			29.9×5.25t	4.65		28.3×6.15	5.10	31.6×4.25
32.0				4.30		1	4.70	4.15
34.0				3.95			32.8×4.55	3.85

■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 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)
22	0.60

- Working radius is a horizontal distance between swing center of the machine and center of gravity of the load

3.55

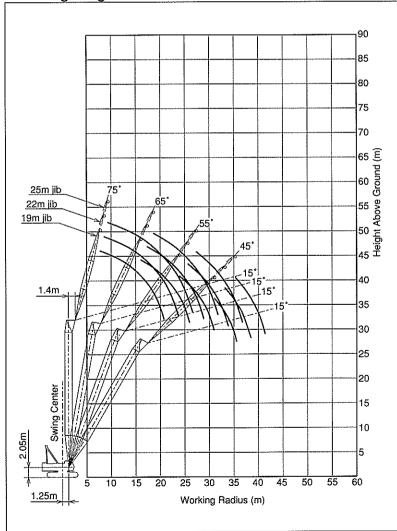
- 4. Counterweight is 30.4 t.
 5. Be sure to fully extend the side frames before operating the
- 6. Figures described as OO×OO in the tables indicate working radius (m) × rated load (t).

30 m Tower (2-Rope Reevings)

■Rated Loads for Tower Crane

Jib Length (m)		1	9			2	2					
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				9.5×15.00							
10.0	15.00			7.476.776.44.05.05.0	15.00				10.3×15.00	100000000000000000000000000000000000000		
12.0	15.00				15.00				15.00			
14.0	15.00				15.00				15.00			
16.0	13.60	16.1×12.40			13.50	17.4×11.15			13.40			
18.0	11.80	10.80			11.70	10.70			11.60	18.7×10.10		
20.0	10.35	9,50			10.25	9.40			10.15	9.25	000000000000000000000000000000000000000	
22.0	21.0×8.50	8.45	23.9×6.75		9.10	8.35			9.00	8.20		
24.0		7.55	6.70		23.9×7.25	7.45	25.6×6.05		8.05	7.35		
26.0		25.9×6.85	6.05			6.75	5.95		7.30	6.65	27.3×5.45	
28.0			5.50			6.15	5.40		26.8×6.25	6.00	5.25	
30.0			5.05	31.0×4.25		28.8×5.90	4.95	33.1×3.75		5.50	4.80	
32.0			30.9×4.85	4.05			4.55	3.60		31.7×5.10	4.40	
34.0				3.75			33.8×4.20	3.35			4.05	35.2×3.30
36.0				35.6×3.50				3.10			3.75	3.20
38.0								38.5×3.05			36.7×3.65	2.95
40.0								700 150 150			nes responses resources	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 over-front stability stipulated by the mobil
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.

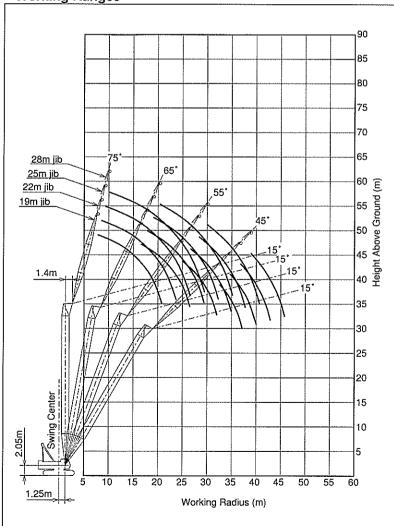
Unit: ton

Hool Capac (ton	ity	Hook Weight (ton)
22		0.60

- Working radius is a horizontal distance between swing center of the machine and center of gravity of the load
- 4. Counterweight is 30.4 t.
 5. Be sure to fully extend the side frames before operating the
- Figures described as OO×OO in the tables indicate working radius (m) × rated load (t).

Jib Length (m)		1	9			22				2 2 2	25				28	Unit: tor
\ 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					ĺ ·										
9.0	15.00				9.6×15.00							-				
10.0	15.00			301901.3951/	15.00	50/55/69		6061200A	10.4×15.00		0.0000000000000000000000000000000000000	351578.08	11.2×15.00		1651/651/6	997.92K 597
12.0	15.00				15.00				15.00				15.00			
14.0	15.00				15.00				15.00				15.00			
16.0	13.55	16.6×11.75			13.50	17.9×10.60			13.40				13.30			
18.0	11.75	10.65			11.65	10.55			11.55	19.2×9.60			11.45			
20,0	10.30	9.35			10.25	9.25			10.15	9.10			10.05	20.4×8.80	75 37 28	
22.0	21.0×8.70	8.30			9.10	8.20			9.00	8.05			8.90	7.95		
24.0			24.9×6.20		23.9×7.45	7.35			8.05	7.20			8.00	7.10		
26.0		6.70	5.85			6.65	26.6×5.55		7.30	6.50			7.20	6.40		
28.0		26.5×6.55	5.30			6.05	5.20		26.8×6.35	5.90	28.4×4.95		6.55	5.80		
30.0			4.85			29.4×5.65	4.75	9/405/15/010		5.40	4.60		29.7×5.45	5.30	30.1×4.45	
32.0			4.45	32.5×3.70			4.35			4.95	4.20			4.85	4.10	
34.0				3.50			4.00	34.6×3.30		32.3×4.90	3.85			4.50	3.75	
36.0				3.20			34.9×3.85	3.10			3.55	36.7×2.85		35.2×4.25	3.45	
38.0				31.7×3.10				2.85			37.7×3.35	2.70			3.20	38.8×2.50
40.0								2.65				2,50			2.95	2.40
42.0												2.35			40.6×2.90	2.20
44.0												42.9×2.25				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 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 a horizontal distance between swing center of the machine and center of gravity of the load
- 4. Counterweight is 30.4 t.
 5. Be sure to fully extend the side frames before operating the
- 6. Figures described as OOxOO in the tables indicate working radius (m) × rated load (t).

36 m Tower (2-Rope Reevings)

■Rated Loads for Tower Crane

Jib Length (m)	700000000000000000000000000000000000000	1	9			2	2			2	5			2	8	
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				9.6×15.00											
10.0	15.00	100 miles	50.000.000	4.90.000.00	15.00	10 miles	4.65.65.E		10.4×15.00				11.3×15.00			
12.0	15.00				15.00				15.00				15.00			
14.0	15.00				15.00				15.00				15.00			
16.0	13.55	17.2×11.10			13.45				13.35				13.25			
18.0	11.70	10.50			11.65	18.4×10.10			11.55	19.7×9.15			11.45			
20.0	10.30	9.20			10.20	9.10	8 20 E 8		10.10	8.95	(50)(50)(60)			21.0×8.30	i en	
22.0	21.0×8.55	8.15			9.05	8.05			8.95	7.95			8.90	7.85		
24.0		7.30	25.9×5.65		23.9×7.35	7.20			8.05	7,10			7.95	7.00		
26.0		6.60	5.65			6.50	27.7×5.05		7.25	6.40			7.20	6.30		
28.0		27.0×6.30	5.10			5.90	5.00		26.8×6.30	5.80	29.4×4.55		6.50	5.70		
30.0			4.65			29.9×5.45	4,55			5.30	4.40	90.55.700	29.7×5.40		31.1×4.10	
32.0			4.30				4.15			4.85	4.05			4.75	3.90	
34.0			33.0×4.10	3.25			3.85			32.8×4.70	3.70			4.40	3.60	
36.0				3.00			35.9×3.55	36.1×2.85			3.40			35.7×4.10	3.30	
38.0				2.75				2.65			3.15	38.2×2.45			3.05	
40.0				38.6×2.70				2.45		20025782500	38.8×3.05				2.80	40,3×2.05
42.0								41.5×2.30				2.05			41.7×2.65	
44.0												1.90 ∕⊾				1.70
46.0												44.4×1.85				1.55
47.3											<u> </u>					1.45

Jib Length (m)		3	1	
Tower Angle (°) 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			
22.0	8.80	22.2×7.65		
24.0	7.85	6.90		
26.0	7.10	6.20		
28.0	6.45	5.60		
30.0	5,90	5.10		
32.0	5.25	4.65	32.8×3.65	
34.0	32.6×4.60	4.30	3.50	
36.0		3.95	3.20	
38.0		3.65	2.95	
40.0		38.6×3.60	2.70	
42.0			2.50	42.5×1.70
44.0			2.30	1.55
46.0			44.6×2.25	1.40
48.0				1.25
50.0	1801/1801/180	\$60.05±0580	S. (55) 195 (4	1.15
50.2		<u> </u>		1.10

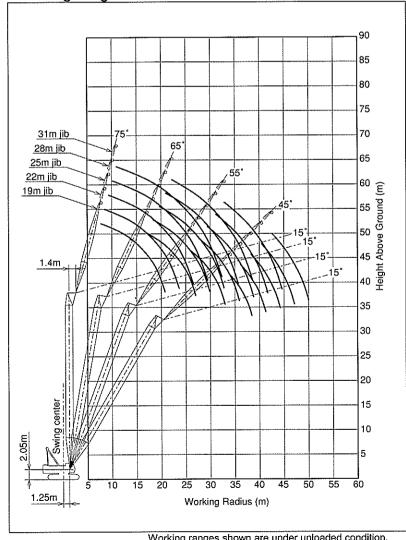
Notes: 1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

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

Capacity (ton)	Weight (ton)
22	0.60

- Working radius is a horizontal distance between swing center of the machine and center of gravity of the load
- 4. Counterweight is 30.4 t.
- 5. Be sure to fully extend the side frames before operating
- Figures described as OO×OO in the tables indicate working radius (m) × rated load (t).

■Working Ranges



Working ranges shown are under unloaded condition.

Unit: ton

■Rated Loads for Tower Crane

■Rated Load	ds for	Tower	Crane													Unit: ton	
Jib Length (m)		1	9			22				2	25		28				
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				9.7×15.00	· · · · ·									1		
10.0	15.00	90.55.050.0			15.00			VI. 100 (100)	10,5×15.00		A		11.3×15.00				
12.0	15.00				15.00		i		15.00				15.00				
14.0	15.00				15.00				15.00				15.00			ĺ	
16.0	13.50	17.7×10.55			13.45	i			13.30				13.25	,			
18.0	11.70	10.30			11.60	18.9×9.60		İ	11.50				11.40				
20.0	10.25	9.05		68-78-78-5	×10.20	8,95		\$0.000.000.00	10.10	20.2×8.70	Vis. 15, 150.00	1000000	10.00	21.5×7.90	26.00.6	A 16 12	
22.0	21.1×8.75	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	27.0×5.15			6.40			7.25	6.30			7.15	6.20			
28.0		27.5×6.05	4.90			5.80	28.7×4.60		26.9×6.35	5.70		İ	6.50	5.60			
30.0			4.45			5.30	%4:35			5.20	30.4×4.10		29.8×5.45	5.10			
32.0			4.10			30.4×5.20	4.00			4.75	3.85			4.65	32.1×3.70		
34.0			3.75	35.5×2.80			3.65			33.3×4.50	3.50			4.30	3.40		
36.0				2.75			3.35	37.6×2.40			3.25			3.95	3.10		
38.0				2.55			36.9×3.25	2.35			3.00	39.7×1.95		32.6×3.95	2.85		
40.0				2.30	reinicsus dinus			2.15		250000000000000000000000000000000000000	39.8×2.80	1.95	dens independent	ggconggcontact.	2.65	41.8×1.60	
42.0				40.1×2.30				1.95				1.75			2.45	1.60	
44.0								43.0×1.85				1.60			42.7×2.40	1.40	
46.0												45.9×1.45				1.25	
48.0														1		1.15	
48.8															<u> </u>	1.10	

Jib Length (m)	2000 PROVINCE	3	11 8 8 8 8 8	ASSESSED FOR	20 St. 180 St.	34	15000000
Tower Angle (°) Working Radius (m)	90	80	70	60	90	80	70
12.1	14.90				13.0×11.80		
14.0	14.55				11.60		
16.0	13.15				11.25		
18.0	11.35				10.90		
20.0	9.90	7/10/19/10			9.80		
22.0	8.80	22.8×7.25			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			5.75	4.90	
32.0	5.30	4.55	33.8×3.30		5.25	4.45	
34.0	32.7×4.65	4.20	3.30		4.85	4.10	35.6×2.95
36.0		3.85	3.00		35.6×4.00	3.75	2.90
38.0		3.60	2.75	39.0×220		3.20	2.65
40.0		39.1×3.45	2.55	2.10		3.00	2.40
42.0			2.35	1.90			2.20
44.0			2.15	1.70			2.00
46.0			45.6×2.05	1.55			1.80
48.0				1.40			1.65
48.7				1.35			48.5×1.60

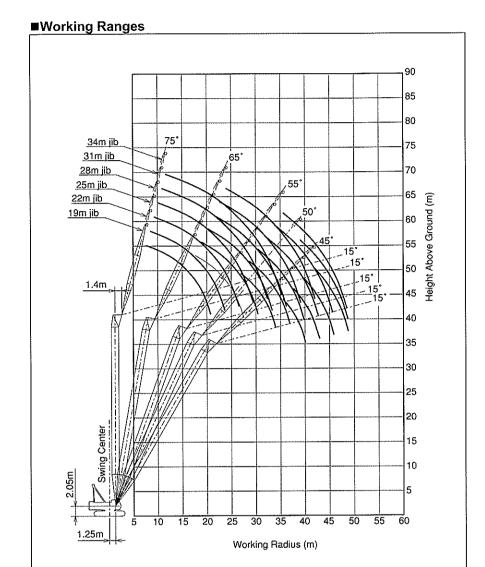
Notes: 1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level ground, and are not less than 1.15 times over-front stability stipulated by the mobile crane construction standards.

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

attacnments su	ch as a nook.
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 the load lifted.
 4. Counterweight is 30.4 t.
 5. Be sure to fully extend the side frames before operating the machine.
 6. Figures described as OO×OO in the tables indicate working radius (n) y stated lead (t)

- indicate working radius (m) × rated load (t).



Working ranges shown are under unloaded condition.

Jib Length (m)		1	9		22					2	25		28					
Tower Angle (°) Working Radius (m)	90	80	70	60	90	80	70	60	90	80	70	60	90	80	70	60		
8.9	15.00											·····						
9.0	15.00				9.7×15.00													
10.0	15.00	605605566	165,750,765	50 Dec 550	15.00	61,080,00		51.5E/1.651/A	10.5×15.00	\$155.65	900900900	120 30 16	11.4×15.00	8.58A/58/A	130.56.75	701.001/DI		
12.0	15.00			1	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	18.2×10.00			11.60	19.5×9.05			11.45				11.40					
20.0	10.25	8.90	450,000		10.15	8.75			10.05	20.7×8,25			9.95					
22.0	21.1×8.90	7.90			9.00	7.75			8.90	7.65			8.85	7.55				
24.0		7.05			7.60	6.95			8.00	5.80			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	29.7×4.20		26.9×6.45	5.55			6.45	5.45				
30.0			4.25		100000000000000000000000000000000000000	5.20	4,10	923997799	PROGRESSION CONTRACT	5.10	31.4×3.70		29.8×5.50	5.00	***************************************			
32.0			3.90			30.9×5.00	3,75			4.65	3.60			4.55	33.2×3.30			
34.0			3.55				3.45	1		33.8×4.30	3.30			4.20	3.20	i		
36.0			35.0×3.45	37.0×2.30			3.20				3.05	36.5×2.50		3.85	2.95			
38.0				2.15			37.9×2.95	39.1×1.85			2.80	2.30		36.7×3.75	2.70	38.4×2.10		
40.0				1.95				1.80			2.60	2.10			2.50	1.95		
42.0				41.6×1.85				1.60			40.8×2.50	1.90			2.30	1.75		
44.0								1.45				1.75			43.7×2.10	1.55		
46.0								44.5×1.45				44.2×1.70				1.40		
47.1					i											1.35		

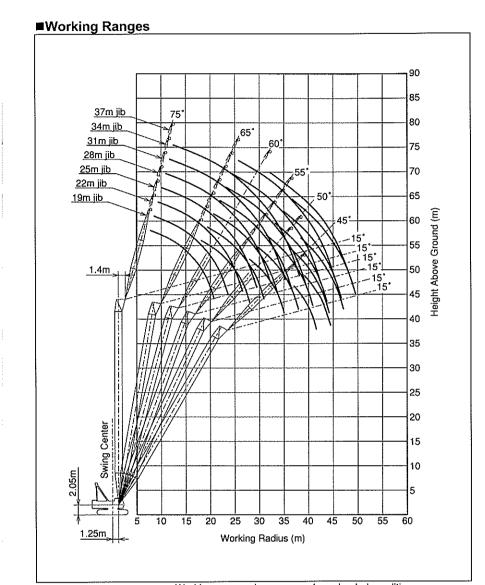
Jib Length (m)	5.50	31	1.63579584964	\$1,060,680.4	34		in islandini	37	selfar Esterak
Tower Angle (°) Working Radius (m)	90	80	70	90	80	70	90	80	70
12.2	14.25			13.0×11.75			13.8×9.30		
14.0	13.95			11.60			9.30		
16.0	13.10			11.25			9.00		
18.0	11.30			10.90			8.70		
20.0	9.90			9.80		15001000000	8.45	Western.	000000000000000000000000000000000000000
22.0	8.75	23.3×6.90		8.65		i	8.20		
24.0	7.80	6.60		7.75	24.5×6.30		7.65	25.8×5.80	
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	11/201/11/2017/11/2017	5.65	4.65	
32.0	5.30	4.45		5.25	4.35		5.15	4.25	32.2×3.65
34.0	32.7×4.70	4.10	34.9×2.95	4.85	4.00		4.45	3.90	3.35
36.0		3.75	2.80	35.6×4.00	3.65	36.6×2.60	3.85	3.55	3.05
38.0		3.50	2.60		3.35	2.40	3.35	3.25	2.80
40.0		39.6×3.25	2,35		3.10	2.15	38.5×3.25	3.00	2.55
42.0			2.15		2.90	1.95		2.80	2.35
44.0			1.95		42.5×2.85	1.75		2.60	2.15
46.0			1.75			1.60		45.4×2.45	2.00
48.0			46.6×1.70			1.45			1.80
49.5						1.35			49.0×1.75

- Notes: 1. The rated loads shown do not exceed 78% of tipping load with the machine on firm level 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.

-	attachinents su	on as a noon.
	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 the load lifted.
 4. Counterweight is 30.4 t.
 5. Be sure to fully extend the side frames before
- operating the machine.
- Figures described as OO×OO in the tables indicate working radius (m) × rated load (t).



Working ranges shown are under unloaded condition.

■Rated Loads for Tower Crane

Jib Length (m)		1	9			2	2			2	5		28				
Tower Angle (*) Working Radius (m)	90	80	70	60	90	80	70	60	-90	80	70	60	90	80	70		
8.9	15.00																
9.0	15.00				9.8×15.00												
10.0	15.00	40,850,650,04	1800.040.02	600 mm 400 mm	15.00	1.000.000.000	\$1858)	Spirite	10,6×15.00	07-10-100	etter (State (State)	1,427,457,45	11.4×14.55	20 BA 65 A	11,449,1185,178		
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	18.7×9.50			11.55				11.45				11.35				
20.0	10.20	8.70	169.65.55		10.10	8.60			10.00	21,3×7.80			9.95				
22.0	21.1×9.10	7.75			9.00	7.60			8.90	7.50			8.80	22.5×7.15			
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	29.0×4.20			5.55			26.9×6.50	5.45			6.45	5.35			
30.0		28.5×5.55	4.05			5.10	30.7×3.75			4.95			29,8×5,55	4.85			
32.0			3.70			31.4×4.80	3.55			4.55	32.5×3.35			4.45			
34.0			3.40				3.25	35.8×2.50		4.20	3.10			4.10	34.2×2.95		
36.0			3.10				3.00	2.45		34.3×4.15	2.85	37.7×2.05		3.75	2.75		
38.0			36.1×3.10	38.5×1.75			2.75	2.20			2.60	2.00		37.2×3.60	2.50		
40.0				1.65			39.0×2.65	2.00			2.40	1.80			2.25		
42.0				1.45				1.85			41.9×2.20	1.60			2.05		
44.0				43.1×1.40				42.5×1.80				1.45			1.85		
45.4												1.35			44.8×1.80		

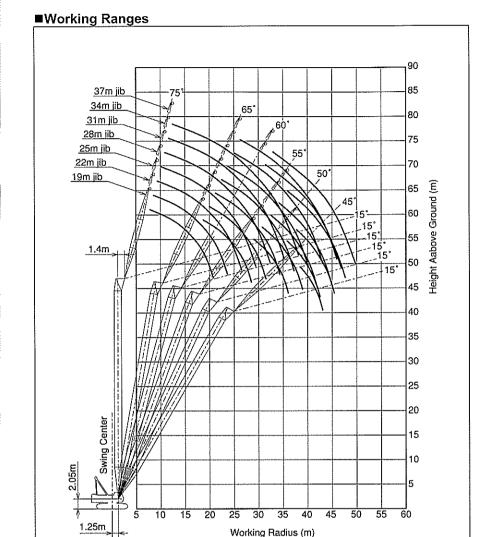
Jib Length (m)		31		and the	34		16 Apr. 15	37	11/10/11/20 11/av
Tower Angle (°) Working Radius (m)	90	80	70	90	80	70	90	80	70
12.2	13.55			13.1×11.65			13.9×9.35		
14.0	13.00			11.55			9.30		
16.0	12.45			11.20			9.00		
18.0	11.25			10.90			8.70		
20.0	9.85			9.75			8.45		
22.0	8.70	23.8×6.55		8.60			8.15		
24.0	7.80	6.45		7.70	25.1×5.95		7.60		
26.0	7.00	5.80		6.90	5.70		6.85	26.3×5.50	
28.0	6.35	5.25		6.25	5.15		620	5.05	
30.0	5.80	4.75		5.70	4.65	31.5×3.70	5.65	4.55	
32.0	5.30	4.35		5.25	4.25	3.60	5.05	4.15	33.0×3.35
34.0	32.7×4.75	4.00	35.9×2.60	4.80	3.85	3.30	4.35	3.80	3.20
36.0		3.65	2.60	35.6×4.05	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	G-25-W	3.15	2.10		3.00	2.55	38.5×3.15	2.95	2.45
42.0		40.1×3.10	1.90		2.80	2.35		2.70	2.20
44.0			1.70		43.0×2.70	2.15		2.50	2.00
46.0			1.55			1.95		45.9×2.30	1.80
48.0			47.6×1.40			46.8×1.90			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 over-front stability stipulated by the mobile crane construction standards. The load to be actually lifted will be the rated lead to be actually lifted will be the rated lead to be actually lifted.

load shown minus the weight of all lifting attachments such as a hook.

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

- 22 0.60
 Working radius is a horizontal distance between swing center of the machine and center of gravity of the load lifted.
 Counterweight is 30.4 t.
 Be sure to fully extend the side frames before operating the machine.
 Figures described as OO×OO in the tables indicate working radius (m) × rated load (t).



Working ranges shown are under unloaded condition.

١.

■Tower Boom Construction

Elements	ower Length (m)	27	30	3	3	36	39	4	2	45
Lower tower	6.5 m	1	1	1	1	1	1		1	1
Upper tower	2.5 m	1	1	T	1	1	1		1	1
3 m(B) Boom	Insert	1	1		1	1	1		1	1
3 m Ttower In	sert	1	1	2		1	1	2		1
6 m Tower Ins	sert	2	1	1	2	2	1	1	2	2
9 m (B) Towe	r Insert		1	1	1	1	2	2	2	2
	19 m	25000000000000000000000000000000000000		protiski pojes. Događenim pres						
-	22 m									
Augilahla	25 m									edentatatistikensi misessajimiyaasi josa
Available tower jib	28 m			707 3750	olyddiggidd Olyddiggidd	delet instruen seinset gendemst State forget (unplaced som genom	enintreteinin ternisis ternis Santy a soloma jugistya siyat	nikanovninosi Organisti	avatertera 1930-1930-19	amerikatatapatan (* 1911). KINGSONISSORIA
lower jib	31 m									
	34 m							WARRAN ARRA	WED.	
	37 m					•				

■Crane Jib Construction

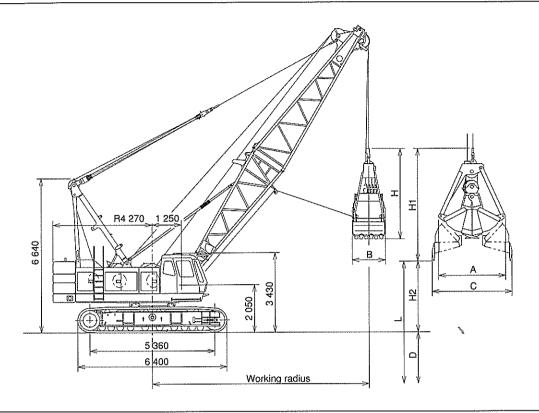
Elements	Jib Length (m)	19	22	25	28	31	34	37
Lower Jib	6.5 m	1	1	1	1	1	1	1
Upper Jib	6.5 m	1	1	1	1	1	1	1
3 m Jib Insert			1	2	1	1	2	1
6 m Jjib Insert		1	1	1	2	1	1	2
9 m Jjib linsert						1	1	1

■Component Weights and Dimensions for Transport

	Components	Weight (ton)	Q'ty	Length x \	Width ×	Height (m)	Remarks
	Basic Machine	35.1	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	32.4	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	54.7	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
	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	6.61	1	0.53	3.48	0.96	
	Counterweight D	7.85	1	0.66	3.48	0.96	
	Upper Tower	0.89	1	3.02	2.43	1.62	Excluding links and guide rollers
	3 m Tower Insert(B)	0.81	1	2.28	3.14	1.79	Excluding guide sheaves and jib hanger
	Guide Roller	0.23	1	2.45	2.14	0.83	
	Swing Levers	0.92	1	1.02	5.18	1.68	
	Lower Jib	0.62	1	1.25	6.95	1.68	Including jib stop
0.000	Upper Jib	0.67	1	1.30	7.17	1.25	
	3 m Jib Insert	0.21	1	1.34	3.10	1.28	
Tower	6 m Jib Insert	0.38	1	1.34	6.10	1.28	
Front	9 m Jib Insert	0.53	1	1.34	9.10	1.28	
	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	

CLAMSHELL

■Dimensions



■Snecifications

= Specifications						
Bucket capacity m ³		2.5				
Allowable clamshell gross weight ton	10.0					
Boom length m	13	to 22				
Max. digging depth m		36				
Line speeds						
Suspend line m/min	*105/60/30	Rope 26mm dia.				
Open/close line m/min	*105/60/30	Nope zonim dia.				
Boom hoist line m/min	*55	Rope 20mm dia.				
Ground pressure kPa (kgf/cm²)	93.7	⁷ (0.96)				
Operating weight ton	92.0 (13 m boom + 2.5 m ³ bucket)					

■Clamshell Bucket

1 05 55 0000 4400 2450 4400		W	Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Sa	n) (mm)) (mm)	The Samuel Section
2.5 5.5 2 880 1 400 3 450 4 180	2.5	5.5 2	880 1 40	00 3 450	4 180	5 130

Notes: 1. Data is expressed in SI units, followed by conventional units in ().

2. Other specifications, not shown, are similar to those for the crawler crane.

- 3. *Line will vary with the load.

=\Morking Panges

■Working Ranges																
Boom length m		1	3			1	6			1	9			2	2	
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	73	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 amanner 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.
- Working radius is the horizontal distance from the swing center to the center of gravity of lifted load.
 The bucket weight is 5.5 ton max.

- 5. The counterweight is 30.4 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 10 m.

■STANDARD EQUIPMENT

BASIC MACHINE

Undercarriage

- Crawler-type undercarriage (with 850 mm shoes)
- Superstructure
- Front lights (2 lights)
- · Rearview mirrors (left and right)
- Centralized lubrication system (for gantry and swing circle)
- · Electric refuel device
- Cab
- Intermittent-wipers (front and roof windows)
- Washers (front and roof windows)
- Rolled sunshade (roof window)
- Sunvisor
- Floor mat Room light
- Swing lock
- · Drum pawl lock
- Swing alarm

Ashtray

Auto-tuning clock radio (AM/FM)

• Side frame extend cylinder (tandem)

Under-cover (at superstructure bottom)

- Cigarette lighter
- Brake mode selector switch
- Electric tilt-type stand

· Cab climbing steps

• 30.4 t counterweight Standard tool kit

• Ultra slow speed controller

• Drum rotation sensing system

- **Safety Devices**
- (main and auxiliary hoist, and boom hoist)

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

STANDARD EQUIPMENT FOR RESPECTIVE FRONT ATTACHMENT

Crane

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

- Boom hoist rope (20 mm dia × 170 m)
- Moment limiter
- · Overhoist prevention devices
- (Including secondary safety device for main hook and boom hoist)

Full-Luffing Tower Crane

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

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

Clamshell

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

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

Front Attachment Crane	CRAWLWER	TOWER CRANE	CLAMSHELL
90 ton hook	0	●*1	
45 ton hook	•	●*2	
22 ton hok	•	0	
11 ton hook	•	•	_
3 m boom insert	•	0	•
6 m boom insert	•	0	•
9 m boom insert	•	•	•
10 m jib assembly [10 m basic jib, aux. Jib hook overhoist prevention device, jib mast, aux. Jib rope (26 mm dia. × 170 m), 11 ton hook]	•	●*2	
6 m jib insert	•	• *2	
Aux. jib assembly [aux. jib aux. jib hook overhoist prevention device, aux. jib rope (26 mm dia. × 170 m), 11 ton hook]	•	● *2	
Aux. jib [aux. jib aux. jib hook overhoist prevention device]	•	● *2,*3	
Crane kit (6.5 m upper boom, 9.0 ton hook, boom stop, main hoist hook overhoist prevention device	_	•	_
Front Attachment for Clamshell		\	
2.5 m ³ clamshell bucket			•
Open/close and suspend ropes		_	•
Hydraulic tagline		_	•
Upperstructure			
Drum cooler (for aux. drum)		_	•
Side walk (folded type)	•	•	•
Side walk (fixed type with handrails)	•	•	•
Fuel double element	•	•	•
Engine air cleaner double element		•	•
Cab			
AM/FM radio	0	0	0
Fan	•	•	•
Loudspeaker	0	•	•
Air conditioner	9	•	•
Heater	* ************************************		mantes esta lla seculta de la secte de la contra de la secte de la secte de la secte de la secte de la secte d
Safety Device			
Boom lower limiter	<u> </u>		•
Foam type level (in cab)	9	0	•

O: Standard equipment •: Optional equipment —: Not recommended

CRAWLWER FULL-LUFFING

Notes: *1. Included in crane kit.

Undercarriage

*2. Designed for use with crane kit

Basic machine jack-up device (including side frame extend cylinders)

Bucket overhoist prevention device

■Standard and Optional Equipment

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

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