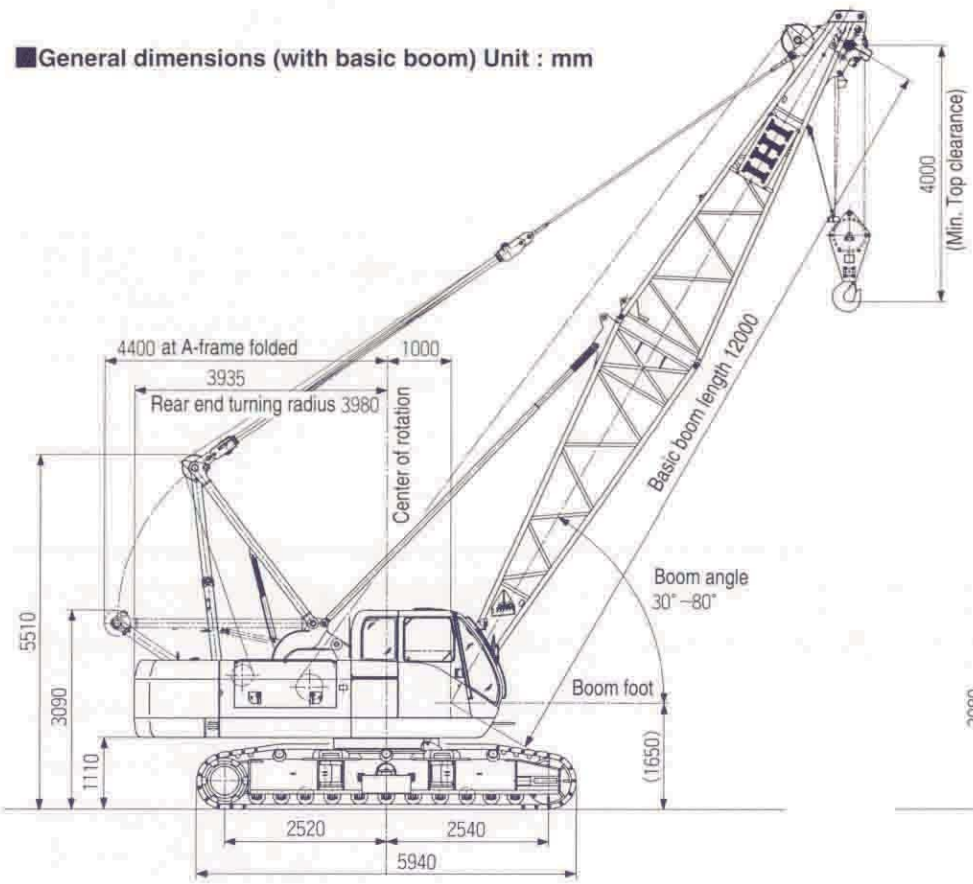
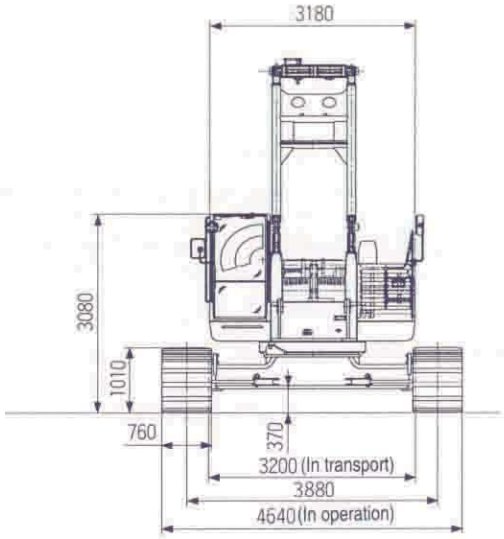
General dimensions (with basic boom) Unit : mm





Specifications

Performance	
Swing speed	3.3 rpm
Travel speed	*2.0/1.3 km/h (1.24/0.8 mph)
Gradeability	40% (Approx. 22°)
Engine	
Make	HINO MOTOR
Model	HO7CT(with turbo) diesel engine 4-cycle, water cooled, overhead valve
Type	Direct injection diesel engine
Total piston displacement	6.728 ℓ
Rated output	132.4 kW (180 PS) /2100 rpm
Fuel tank capacity	240 ℓ
Battery	12 V×120 AH×2 pcs.
Load hoist system (Main & Aux.)	
Hydraulic motor	Variable displacement axial piston type
Reduction gear	One-stage planetary gear and single stage spur gear
Hoist drum	Dual drums on inline individual shaft, independent hydraulic motor driven, lagging type with lebus grooved drum
Clutch	Internal expanding band type
Brake	External contracting type
Drum lock	Ratchet lock
Hydraulic pump	Variable displacement axial piston type×2 Gear pump×3
Boom hoist system	
Motor	Axial piston type
Reduction gear	Two stage planetary gear
Hoist drum	Lebus grooved drum
Brake	Automatic spring - loaded hydraulically released wet type multi-disk
Drum lock	Ratchet lock

* Travel speed changes depending on the load.

Standard equipment

- Instrument for crane
  Engine tachometer (Hour meter), Hydraulic oil pressure gauge (for control circuit), Fuel level gauge
  Engine coolant thermo indicator — indicated
  Engine oil pressure indicator — bar graph
  Hydraulic oil thermo indicator — in OK monitor
- Lighting for crane
  Work light 24 V×80 W×2
  Room light 24 V×10 W×1
- Safety device
  Automatic stop for hook overwinding, Automatic stop for boom overwinding, Telescopic boom limit stop, Swing lock, Main and Aux. drum lock, Boom hoist drum lock, 2nd. boom stop device(82° non-resetable), Clutch engage pin on main and auxiliary winch, Safety valve for hydraulic circuit, Counter balance valve, Control lever locking device
- Other standard accessories
  Windshield wiper, Roof glass wiper, Sunvisor, Reclining operator's seat, Floor mat, Steps for operator's cab (foldable type), Radio, Cigarette lighter, Ash tray, Rearview mirrors (R/L), Horn, Swing warning flasher, Travel warning flasher, Low-noise cab, Wire mesh boom walkway (for inner boom), Fuel filling pump, Automatic brake system, Hydraulic assist brake (Main and Auxiliary), Winch mode selector (Main and Auxiliary), Electrical engine throttle control dial switch, Engine throttle pedal, Automatic engine throttle deceleration system, Ultra low speed control, Travelling lever lock, Toggle switch with safety lock, Storage pouch, Sun shade, Bronze tinted glass, Plug socket (24 V), Foot rest, Rope guide roller on boom back (one pc.)
- "A" frame (High gantry) erecting device

Optional equipment

- Moment limiter (overload prevention)
  Warning at 90% of rated load, Warning at optionally set boom angle, Shockless stop,load hoist and boom hoist or lowering at limited condition
- Moment limiter display on out side of cab
- Yellow rotary light
- Wireless phone
- Bullhorn
- Combustion type heater
- Defroster
- Spark arrester
- Digging depth /Lift indicator
  (with bucket opening angle indicator)
- Electrical type level indicator
- Level vial
- Fire extinguisher
- Monitor TV (watching rear, left and drum)
- Drum rotation roller (Main and Aux. drum)
  Drum mirror
- Catwalk
- Large size tool box (installed on car body)
- Third drum (with clutch and brake : type A)
- Third drum (automatic brake : type B)
- Auxiliary winch for reeling main rope
- Hydraulic power take off
  (A Spec.) 300 kg/cm²×225 ℓ/min
- Hydraulic power take off
  (B Spec.) 210 kg/cm²×125 ℓ/min
- Anemometer (for tower crane)
- Airplane warning lamp
- Boom point clearance lamp
- Drum light
- Work light on boom
- Work light for rear direction
- Rope guard for boom top surface
- 3 m, 6 m, 9 m, insert boom with pendant rope
- Cab protector
- Drum shell for bucketwork
- Inspection lamp
- Name plate (both sides of outer boom)
- Wire mesh walk way on boom back (outer and insert boom)
- Safety guard on boom back
- Rope guide roller on boom back (additional)
- 9 m basic jib boom. 3 m, 6 m, insert boom with pendant rope
- Fulcrum plate for raising of attachment
  (Standard accessory for Luffing crane and crane w/long boom)
- Swing service brake
- Constant swing speed control
- Swing brake at neutral position
- 1 m jib
- 45 ton hook block (3 sheaves)
- 35 ton hook block (3 sheaves)
- 25 ton hook block (3 sheaves)
- 15 ton hook block (1 sheave)
- 6.5 ton hook block (for jib)
- Air conditioner

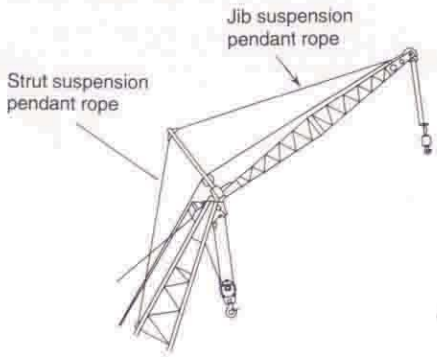
■Jib rated lifting loads (with 25ton counterweight)

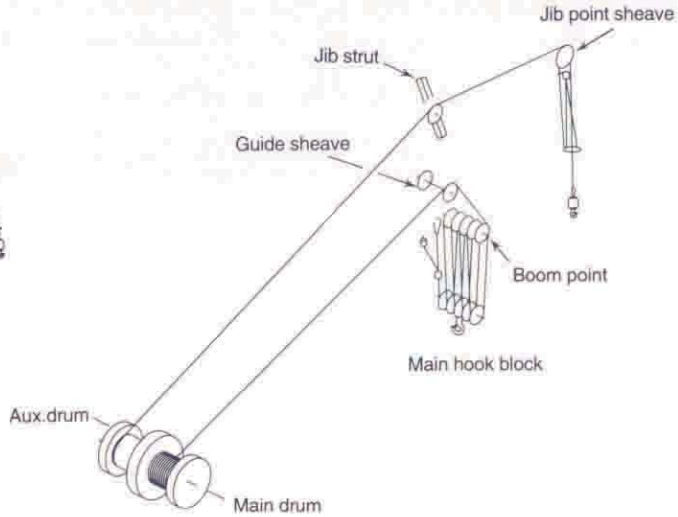
(Unit : metric ton)

Boom length (m)	36.0								39.0								42.0								45.0								48.0			
Jib length (m)	9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0		9.0		12.0	
Offset angle / Working radius (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
7.0																																				
8.0																																				
9.0																																				
10.0	16.8m× 6.50								11.3m× 6.50								11.8m× 6.50																			
12.0	6.50	13.5m× 6.00	11.6m× 6.50		12.8m× 5.50		13.5m× 4.50		6.50		12.4m× 6.50		13.3m× 5.50				6.50		12.9m× 6.50		13.6m× 5.50				12.3m× 6.50		13.4m× 6.50						12.9m× 6.50			
14.0	6.50	6.00	6.50	15.5m× 5.00	5.50		4.50		6.50	6.00	6.50		5.50		4.50		6.50	14.5m× 6.00	6.50		5.50		14.5m× 4.50		6.50	15.6m× 6.00	6.50		14.3m× 5.50		15.1m× 4.50		6.50	15.8m× 6.00	6.50	
16.0	6.50	6.00	6.50	5.00	5.50	17.3m× 4.00	4.50		6.50	6.00	6.50	5.00	5.50	17.9m× 4.00	4.50		6.50	6.00	6.50	16.5m× 5.00	5.50		4.50		6.50	6.00	6.50	17.0m× 5.00	5.50		4.50		6.50	6.00	6.50	17.3m× 5.00
18.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	19.0m× 3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	18.6m× 3.50	6.50	6.00	6.50	5.00	5.50	18.3m× 4.00	4.50		6.50	6.00	6.50	5.00	5.50	18.9m× 4.00	4.50		6.50	6.00	6.50	5.00
20.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	20.5m× 3.50	6.50	6.00	6.50	5.00
22.0	6.20	6.00	6.20	5.00	5.50	4.00	4.50	3.50	6.10	6.00	6.10	5.00	5.50	4.00	4.50	3.50	6.00	6.00	6.00	5.00	5.50	4.00	4.50	3.50	5.90	5.90	5.90	5.00	5.50	4.00	4.50	3.50	5.85	5.85	5.85	5.00
24.0	5.45	5.45	5.45	5.00	5.45	4.00	4.50	3.50	5.35	5.35	5.35	5.00	5.35	4.00	4.50	3.50	5.25	5.25	5.25	5.00	5.25	4.00	4.50	3.50	5.15	5.15	5.15	5.00	5.15	4.00	4.50	3.50	5.10	5.10	5.10	5.00
26.0	4.85	4.85	4.85	4.85	4.85	4.00	4.50	3.50	4.75	4.75	4.75	4.75	4.75	4.00	4.50	3.50	4.65	4.65	4.65	4.65	4.65	4.00	4.50	3.50	4.55	4.55	4.55	4.55	4.55	4.00	4.50	3.50	4.45	4.45	4.45	4.45
28.0	4.30	4.30	4.30	4.30	4.30	4.00	4.30	3.50	4.20	4.20	4.20	4.20	4.20	4.00	4.20	3.50	4.10	4.10	4.10	4.10	4.10	4.00	4.10	3.50	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.50	3.95	3.95	3.95	3.95
30.0	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.50	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.50	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.50	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.50	3.50	3.50	3.50
32.0	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.10	3.10	3.10	3.10
34.0	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.70	2.70	2.70	2.70
36.0	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.35	2.35	2.35	2.35
38.0	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.05	2.05	2.05	2.05
40.0	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.80	1.80	1.80	1.80
42.0	41.3m× 2.10	41.9m× 2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.55	1.55	1.55	1.55
44.0			1.80	1.80	1.80	1.80	1.80	1.80	43.9m× 1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.30	1.30	1.30	1.30

Notes

1. Above rated loads are based on firm level ground, within 78% of tipping load at any point 360° throughout and with front stability of 1.15 or more.
2. Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
3. When the main hook block is installed the lifting loads of jib must be reduced by the weight of block (main and jib) and other lifting devices.
   70ton hook block ---- 0.80ton 25ton hook block ---- 0.50ton
   45ton hook block ---- 0.55ton 15ton hook block ---- 0.45ton
   35ton hook block ---- 0.50ton 6.5ton hook block ---- 0.25ton
4. One part line for jib hook lifting.
5. Crawler frame and "A" frame should also be extended before working.
6. Jib boom can only be used for crane operations.
   Do not use for bucket operations.
7. Main boom can only be used for crane operations when equipped with 9.0m, 18.0m jib.
8. All rated loads are based on structural strength factors.





■Jib rated lifting loads (with 25ton counterweight)

(Unit : metric ton)

Boom length (m)	12.0								15.0								18.0								21.0							
Jib length (m)	9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0	
Offset angle / Working radius (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
7.0	8.8m× 6.50		9.7m× 6.50						7.1m× 6.50								7.8m× 6.50															
8.0	6.50		6.50		8.8m× 5.50				6.50		8.2m× 6.50						6.50		8.7m× 6.50						9.2m× 6.50							
9.0	6.50	9.3m× 6.00	6.50		5.50		8.3m× 4.50		6.50	9.8m× 6.00	6.50		9.1m× 5.50		9.8m× 4.50		6.50		6.50		9.8m× 5.50				6.50		8.3m× 6.50					
10.0	6.50	6.00	6.50	11.3m× 5.00	5.50		4.50		6.50	6.00	6.50	11.3m× 5.00	5.50		4.50		6.50	10.4m× 6.00	6.50		5.50		10.4m× 4.50		6.50	10.9m× 6.00	6.50		10.2m× 5.50		10.9m× 4.50	
12.0	6.50	6.00	6.50	5.00	5.50	13.1m× 4.00	4.50		6.50	6.00	6.50	5.00	5.50	13.6m× 4.00	4.50		6.50	6.00	6.50	12.3m× 5.00	5.50		4.50		6.50	6.00	6.50	12.9m× 5.00	5.50		4.50	
14.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	14.8m× 3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	15.3m× 3.50	6.50	6.00	6.50	5.00	5.50	14.3m× 4.00	4.50	15.8m× 3.50	6.50	6.00	6.50	5.00	5.50	14.7m× 4.00	4.50	
16.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	16.4m× 3.50
18.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50
20.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50
22.0	20.8m× 6.50	21.1m× 6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50
24.0			23.4m× 6.40	24.1m× 5.00	5.50	4.00	4.50	3.50	22.1m× 6.45	23.7m× 6.00	6.10	5.00	5.50	4.00	4.50	3.50	6.00	6.00	6.00	5.00	5.50	4.00	4.50	3.50	5.95	5.95	5.95	5.00	5.50	4.00	4.50	3.50
26.0					26.1m× 5.50	4.00	4.50	3.50			5.50	5.00	5.50	4.00	4.50	3.50	25.7m× 5.50	5.40	5.40	5.00	5.40	4.00	4.50	3.50	5.30	5.30	5.30	5.00	5.30	4.00	4.50	3.50
28.0						27.1m× 4.00	4.50	3.50				28.7m× 5.00	5.00	4.00	4.50	3.50		28.2m× 5.35	4.90	4.90	4.90	4.00	4.50	3.50	4.80	4.80	4.80	4.80	4.80	4.00	4.50	3.50
30.0							28.8m× 4.50	30.1m× 3.50					28.7m× 4.85	28.7m× 4.00	4.50	3.50			28.8m× 4.75	28.8m× 4.60	4.45	4.00	4.45	3.50	28.3m× 4.75	28.9m× 4.60	4.35	4.35	4.35	4.00	4.35	3.50
32.0															31.4m× 4.30	3.50					31.3m× 4.20	4.00	4.10	3.50			31.2m× 4.15	31.8m× 4.00	4.00	4.00	4.00	3.50
34.0																32.7m× 3.50						33.8m× 4.00	3.75	3.50					33.9m× 3.65	3.65	3.65	3.50
36.0																								35.2m× 3.50						34.9m× 3.50	3.35	3.35
38.0																															36.8m× 3.25	37.8m× 3.05
40.0																																
42.0																																
44.0																																

Boom length (m)	24.0								27.0								30.0								33.0							
Jib length (m)	9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0		9.0		12.0		15.0		18.0	
Offset angle / Working radius (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
7.0																																
8.0	8.7m× 6.50																															
9.0	6.50		9.8m× 6.50						9.2m× 6.50								9.7m× 6.50															
10.0	6.50		6.50		10.7m× 5.50				6.50		10.3m× 6.50		11.2m× 5.50				6.50		10.8m× 6.50		11.7m× 5.50				10.2m× 6.50		11.3m× 6.50					
12.0	6.50	11.4m× 6.00	6.50		5.50		11.4m× 4.50		6.50	11.8m× 6.00	6.50		5.50		11.9m× 4.50		6.50	12.4m× 6.00	6.50		5.50		12.5m× 4.50		6.50	12.4m× 6.00	6.50		12.2m× 5.50		13.0m× 4.50	
14.0	6.50	6.00	6.50	13.4m× 5.00	5.50		4.50		6.50	6.00	6.50	13.9m× 5.00	5.50	15.7m× 4.00	4.50		6.50	6.00	6.50	14.4m× 5.00	5.50		4.50		6.50	6.00	6.50	14.9m× 5.00	5.50		4.50	
16.0	6.50	6.00	6.50	5.00	5.50	16.2m× 4.00	4.50	16.9m× 3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	17.4m× 3.50	6.50	6.00	6.50	5.00	5.50	16.2m× 4.00	4.50		6.50	6.00	6.50	5.00	5.50	16.9m× 4.00	4.50	
18.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	17.9m× 3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	18.4m× 3.50
20.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.40	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50
22.0	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.50	6.00	6.50	5.00	5.50	4.00	4.50	3.50	6.40	6.00	6.40	5.00	5.50	4.00	4.50	3.50	6.30	6.00	6.30	5.00	5.50	4.00	4.50	3.50
24.0	5.85	5.85	5.85	5.00	5.50	4.00	4.50	3.50	5.75	5.75	5.75	5.00	5.50	4.00	4.50	3.50	5.65	5.65	5.65	5.00	5.50	4.00	4.50	3.50	5.55	5.55	5.55	5.00	5.00	4.00	4.50	3.50
26.0	5.20	5.20	5.20	5.00	5.20	4.00	4.50	3.50	5.15	5.15	5.15	5.00	5.15	4.00	4.50	3.50	5.05	5.05	5.05	5.00	5.05	4.00	4.50	3.50	4.95	4.95	4.95	4.95	4.95	4.00	4.50	3.50
28.0	4.70	4.70	4.70	4.70	4.70	4.00	4.50	3.50	4.60	4.60	4.60	4.60	4.60	4.00	4.50	3.50	4.50	4.50	4.50	4.50	4.50	4.00	4.50	3.50	4.40	4.40	4.40	4.40	4.40	4.00	4.40	3.50
30.0	4.25	4.25	4.25	4.25	4.25	4.00	4.25	3.50	4.15	4.15	4.15	4.15	4.15	4.00	4.15	3.50	4.05	4.05	4.05	4.05	4.05	4.00	4.05	3.50	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.50
32.0	32.9m× 4.10	31.5m× 4.00	3.90	3.90	3.90	3.90	3.90	3.50	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.50	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.50	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.50
34.0			33.8m× 3.55	3.55	3.55	3.55	3.55	3.50	33.9m× 3.50	34.1m× 3.40	3.45	3.45	3.45	3.45	3.45	3.45	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
36.0				37.9m× 3.45	3.25	3.25	3.25	3.25			3.10	3.10	3.10	3.10	3.10	3.10	36.1m× 3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
38.0					39.2m× 3.15	37.8m× 3.00	2.95	2.95			38.4m× 3.05	37.1m× 2.95	2.85	2.85	2.85	2.85		36.7m× 2.90	2.75	2.75	2.75	2.75	2.75	2.75	38.7m× 2.55	2.60	2.60	2.60	2.60	2.60	2.60	2.60
40.0							39.2m× 2.90	2.70					39.1m× 2.70	40.1m× 2.60	2.60	2.60			39.0m× 2.50	39.7m× 2.50	2.50	2.50	2.50	2.50		39.3m× 2.45	2.35	2.35	2.35	2.35	2.35	2.35
42.0								40.3m× 2.65							41.3m× 2.40	2.35					41.7m× 2.30	42.7m× 2.15	2.25	2.25			41.3m× 2.20	2.15	2.15	2.15	2.15	2.15
44.0																43.1m× 2.25							43.4m× 2.10	2.05				42.3m× 2.10	1.90	1.90	1.90	1.90

Crane

1m jib rated lifting loads

Main boom rated lifting loads

■Main boom rated lifting loads (with 25ton counterweight)

(Unit : metric ton)

Working radius (m)	Boom length (m)														
	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0	51.0	54.0
3.8	70.00														
4.0	66.00	63.10													
4.5	59.10	58.95	58.50												
5.0	52.60	52.50	52.40	52.00											
5.5	45.10	45.00	44.90	44.75	44.65										
6.0	39.40	39.30	39.20	39.10	39.00	38.85	6.7m× 32.50								
7.0	31.15	31.05	30.95	30.85	30.75	30.65	30.55	30.45	7.7m× 26.00						
8.0	25.75	25.65	25.55	25.50	25.40	25.30	25.20	25.10	25.00	8.1m× 24.45					
9.0	21.85	21.75	21.65	21.55	21.45	21.40	21.30	21.20	21.10	21.00	9.4m× 19.50	9.3m× 19.50	9.8m× 18.35		
10.0	18.95	18.85	18.75	18.70	18.60	18.50	18.40	18.35	18.25	18.15	18.10	18.00	17.90	10.3m× 17.10	
12.0	11.5m× 15.80	14.85	14.80	14.70	14.60	14.55	14.45	14.35	14.25	14.20	14.10	14.00	13.95	13.85	12.4m× 13.00
14.0		12.15	12.10	12.00	11.90	11.85	11.75	11.65	11.55	11.50	11.40	11.30	11.25	11.15	11.05
16.0		14.1m× 12.05	10.15	10.10	10.00	9.90	9.80	9.75	9.65	9.55	9.50	9.40	9.30	9.20	9.15
18.0			16.7m× 9.60	8.65	8.60	8.50	8.40	8.30	8.25	8.15	8.05	7.95	7.90	7.80	7.70
20.0				19.3m× 7.90	7.45	7.35	7.30	7.20	7.10	7.00	6.90	6.80	6.75	6.65	6.55
22.0					21.9m× 6.60	6.50	6.40	6.30	6.20	6.10	6.00	5.90	5.85	5.75	5.65
24.0						5.75	5.65	5.55	5.45	5.35	5.25	5.15	5.10	5.00	4.90
26.0						24.5m× 5.60	5.05	4.95	4.85	4.75	4.65	4.55	4.45	4.35	4.25
28.0							27.1m× 4.75	4.40	4.30	4.20	4.10	4.00	3.95	3.85	3.75
30.0								29.7m× 4.05	3.85	3.75	3.65	3.60	3.50	3.40	3.30
32.0									3.50	3.40	3.30	3.20	3.10	3.00	2.90
34.0									32.3m× 3.45	3.00	2.90	2.80	2.70	2.60	2.50
36.0										34.9m× 2.85	2.55	2.45	2.35	2.25	2.15
38.0											37.5m× 2.30	2.15	2.05	1.95	1.85
40.0												40.1m× 1.90	1.80	1.65	1.55
42.0													1.55	1.40	1.30
No. of Part line	10	10	9	8	8	6	5	5	4	4	3	3	3	3	2

■1m jib rated lifting loads (with 25ton counterweight)

(Unit : metric ton)

Working radius (m)	Boom length (m)													
	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0	51.0
4.0	3.9m× 6.50	4.4m× 6.50												
5.0	6.50	6.50	6.50	5.5m× 6.50										
6.0	6.50	6.50	6.50	6.50	6.50	6.5m× 6.50								
7.0	6.50	6.50	6.50	6.50	6.50	6.50	6.50	7.6m× 6.50						
8.0	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	8.1m× 6.50	8.6m× 6.50				
9.0	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	9.1m× 6.50	9.7m× 6.50		
10.0	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	10.2m× 6.50	10.7m× 6.50
12.0	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
14.0	12.5m× 6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
16.0		15.1m× 6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
18.0			17.7m× 6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	19.8m× 6.50	19.6m× 6.50	19.5m× 6.50
20.0				6.50	21.2m× 6.50	21.0m× 6.50	20.8m× 6.50	20.6m× 6.50	20.3m× 6.50	20.2m× 6.50	6.50	6.40	6.35	6.25
22.0				20.3m× 6.50	6.15	6.10	6.00	5.90	5.80	5.70	5.60	5.50	5.45	5.35
24.0					22.9m× 5.80	5.35	5.25	5.15	5.05	4.95	4.85	4.75	4.70	4.60
26.0						25.5m× 4.85	4.65	4.55	4.45	4.35	4.25	4.15	4.05	3.95
28.0							28.1m× 4.10	4.00	3.90	3.80	3.70	3.60	3.55	3.45
30.0								3.55	3.45	3.35	3.25	3.20	3.10	3.00
32.0								30.7m× 3.45	3.10	3.00	2.90	2.80	2.70	2.60
34.0									33.2m× 2.85	2.60	2.50	2.40	2.30	2.20
36.0										35.9m× 2.30	2.15	2.05	1.95	1.85
38.0											1.90	1.75	1.65	1.55
40.0											38.5m× 1.80	1.50	1.40	1.25
42.0												41.1m× 1.35	1.15	1.00

Notes

1. Above rated loads are based on firm level ground, within 78% of tipping load at any point 360° throughout and with front stability of 1.15 or more.
2. Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
3. The weight of hook block and other lifting devices must be considered to be a part of the load.
   70ton hook block---0.80ton 35ton hook block---0.50ton 15ton hook block---0.45ton
   45ton hook block---0.55ton 25ton hook block---0.50ton 6.5ton hook block---0.25ton
4. Jib boom can be to fitted to main boom in the following combinations.

Jib length (m)	1.0	9.0	12.0	15.0	18.0
Boom length (m)	12.0~51.0	12.0~48.0	12.0~48.0	12.0~45.0	12.0~45.0

5. When jib boom is fitted actual loads that can be lifted with main hook block should be reduced according to the above chart (the weights include that of the auxiliary hook block).

Jib length (m)	1.0	9.0	12.0	15.0	18.0
Weight to be deducted (ton)	0.40	1.20	1.50	1.80	2.10

6. Cawler frame and "A" frame should also be extended before working.
7. The actual loads for jib when the main jib hook is installed must be reduced by the total weight of the main and jib hook.
8. Depending on the number of part lines, rated load is limited as follows:
   1-prat line---up to 6.5ton 4-prat line---up to 26.0ton 7-prat line---up to 42.5ton 10-prat line---up to 70.0ton
   2-prat line---up to 13.0ton 5-prat line---up to 32.5ton 8-prat line---up to 52.0ton
   3-prat line---up to 19.5ton 6-prat line---up to 39.0ton 9-prat line---up to 58.5ton
9. Rated loads shown in bold lines are based on structural strength factors.

■Specifications

Max. lifting capacity×working radius		70 metric tons×3.8m
Max. boom length		54m
Max. boom length, with jib (main + jib)		63m (45m boom + 18m jib)
Rope speed	Main drum hoist / lowering	*110/80・55/40 m/min
	Aux. drum hoist / lowering	*110/80・55/40 m/min
	Boom drum hoist / lowering	*60 m/min
Part line	Hook block capacity×Part line	70ton×10
	Hook block capacity×Part line	6.5ton×1
	Boom drum hoist / lowering part line	14
Counterweight		25ton
Total operating weight (with 12m boom)		63.3ton (Approx.)
Average ground bearing pressure		0.76kgf/cm²

* : The rope speed changes depending on the load.

■Combination of main boom and jib (●: Available combination)

Jib length (m)	Boom length (m)														
	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54
1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
9	●	●	●	●	●	●	●	●	●	●	●	●	●		
12	●	●	●	●	●	●	●	●	●	●	●	●	●		
15	●	●	●	●	●	●	●	●	●	●	●	●			
18	●	●	●	●	●	●	●	●	●	●	●	●			

■Wire rope

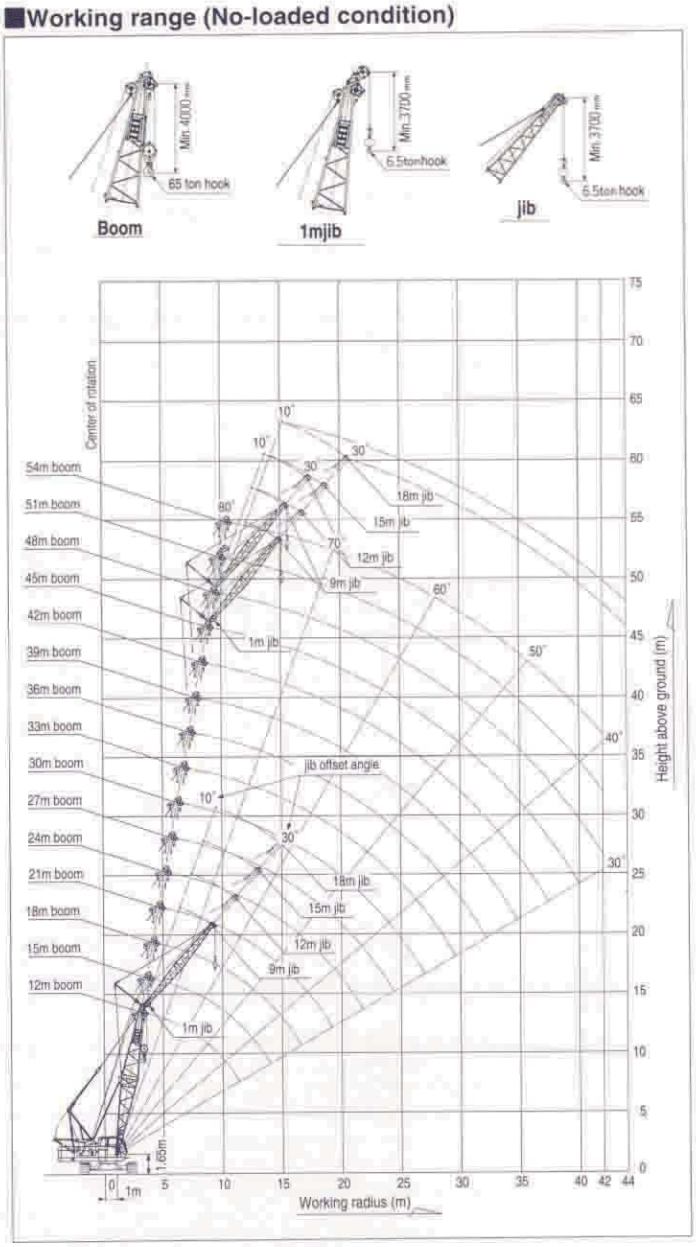
Place of use	Rope diameter (mm)	Guaranteed strength (t)	Rope type
Main drum	φ22	42.2	3×F (40) Monorope
Aux. drum	φ22	42.2	3×F (40) Monorope
Boom hoist	φ16	21.9	IWRC 6×P・WS (31)
Boom suspension	φ34	86.7	IWRC 6×Fi (29)
Jib suspension	φ28	59.7	IWRC 6×Fi (29)
Jib strut suspension	φ28	59.7	IWRC 6×Fi (29)

Note : Wire rope length to be decided according to the ordered boom length.

■Boom Composition

Boom length (m)	Boom composition (m)
12	6.5 (inner) + 5.5 (outer)
15	6.5 + 3.0 + 5.5
18	6.5 + 3.0 + 3.0 + 5.5
21	6.5 + 3.0 + 6.0 + 5.5
24	6.5 + 3.0 + 3.0 + 6.0 + 5.5
27	6.5 + 3.0 + 3.0 + 9.0 + 5.5
30	6.5 + 3.0 + 6.0 + 9.0 + 5.5
33	6.5 + 3.0 + 3.0 + 6.0 + 9.0 + 5.5
36	6.5 + 3.0 + 3.0 + 9.0 + 9.0 + 5.5
39	6.5 + 3.0 + 6.0 + 9.0 + 9.0 + 5.5
42	6.5 + 3.0 + 3.0 + 6.0 + 9.0 + 9.0 + 5.5
45	6.5 + 3.0 + 3.0 + 9.0 + 9.0 + 9.0 + 5.5
48	6.5 + 3.0 + 6.0 + 9.0 + 9.0 + 9.0 + 5.5
51	6.5 + 3.0 + 3.0 + 6.0 + 9.0 + 9.0 + 9.0 + 5.5
54	6.5 + 3.0 + 3.0 + 9.0 + 9.0 + 9.0 + 9.0 + 5.5

■Jib Composition

Jib length (m)	Boom composition (m)
9	4.5 (inner) + 4.5 (outer)
12	4.5 + 3.0 + 4.5
15	4.5 + 3.0 + 3.0 + 4.5
18	4.5 + 3.0 + 6.0 + 4.5

■Working range (No-loaded condition)