

SR-700L



Address inquiries to :

<http://www.kato-works.co.jp>

NOTE : Illustrations may include optional equipment. KATO products and specifications are subject to improvements and changes without notice.



KATO

**QUALITY & EXPERIENCE
SINCE 1895**

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KATO

SR-700L

Rough Terrain Crane

Maximum rated lifting capacity: 70t×2.5m

Maximum boom length: 44.5m

Engine output: 257kW / 2,200min⁻¹ (ISO Net)



Innovations For The Future

KATO WORKS CO.,LTD.

Powerful & Reliable 6 section SUPERBOOM and 2 section SL jib

SR-700L

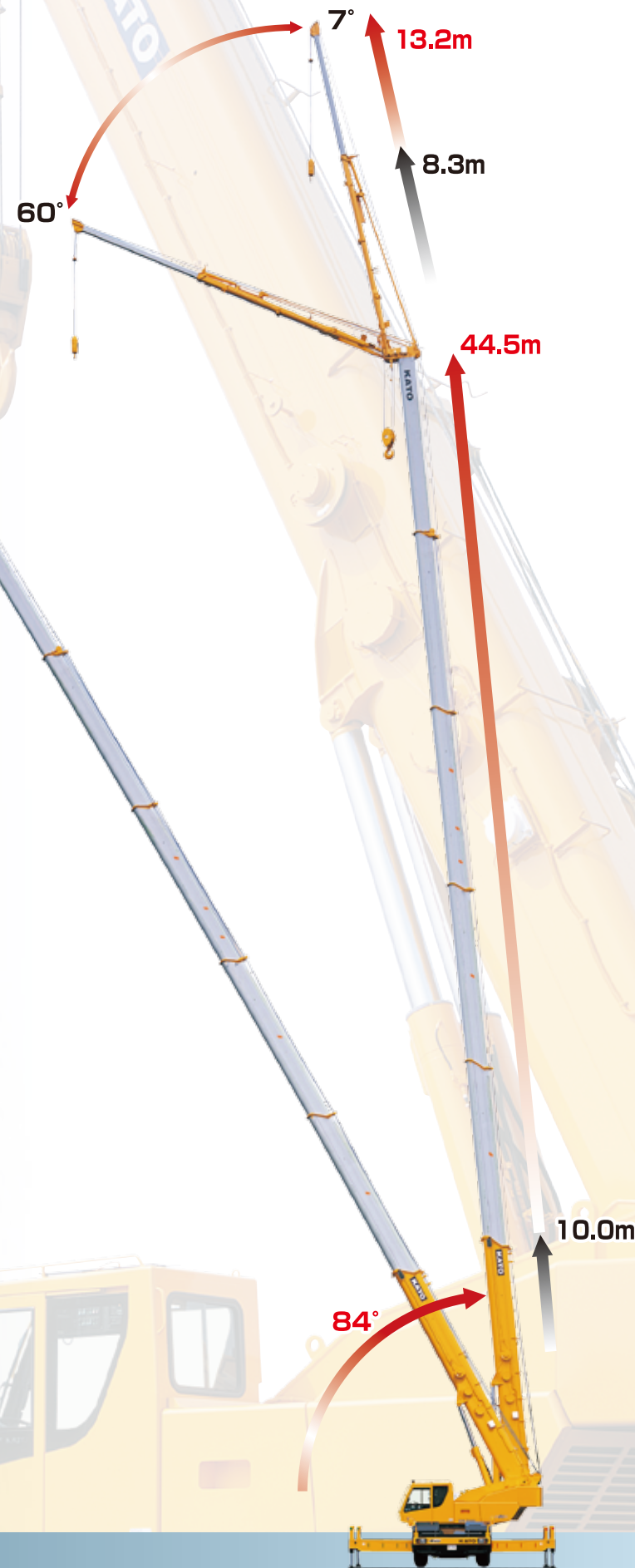
44.5m **SUPERBOOM** and 13.2m SL JIB with LARGE Angle offers you wider working ranges and quick erection in narrow spaces.

- Maximum Lifting Capacity — 70ton×2.5m
- Boom Length — 10.0m~44.5m
- Boom Derricking Angle — 0°~84°
- Jib Length — 8.3m~13.2m
- Jib Off-set Angle — 7°~60°
- Maximum Lifting Height — 45.5m (Boom)
58.6m (Jib)



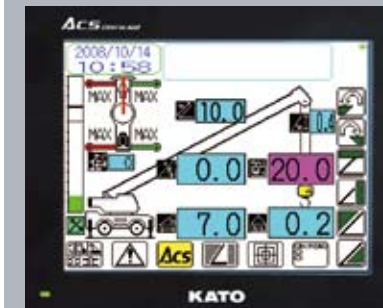
- ← Minimum Stroke 2.69m →
- ← Intermittent Stroke 4.30m →
- ← Intermittent Stroke 5.40m →
- ← Intermittent Stroke 6.50m →
- ← Intermittent Stroke 7.20m →
- ← Maximum Stroke 7.60m →

Outrigger Width



Comfortable operator's cab for the Professional Works

New ACS Moment Limiter Compuload (MS-200) with outrigger width detector and working range limiting function.



- Easy touch panel operation
- High quality color display
- Working range limiting function



- Joystick control levers
- Fatigue free adjustable seat

- Big size new cluster meter
- Durable switches
- Air duct (option)

Super Luffing

(Power operated extendable & Luffing Jib)

Extra lower gravity offers great driving stability



SR-700L

ROUGH TERRAIN CRANE

【SPECIFICATION】

■CRANE Specification

Maximum lifting capacity	70ton × 2.5m
Boom length	10.0m — 44.5m (6 section)
Fly jib length	8.3m — 13.2m (2 section, offset 7° — 60°)
Maximum rated lifting height	45.5m (Boom) 58.6m (jib)
Hoisting line speed (winch up)	Main winch 160m / min. (at 5th layer)
	Auxiliary winch 150m / min. (at 4th layer)
Hoisting hook speed (winch up)	Main winch (Parts of line; 16) : 10m / min. (at 5th layer)
	Auxiliary winch (Parts of line; 1) : 150m / min. (at 4th layer)
Boom derricking angle	0° — 84°
Boom derricking time	66sec / (0° — 84°)
Boom extending speed	135sec (10.0m — 44.5m)
Slewing speed	1.8min ⁻¹
Tail slewing radius	3,550mm

●Equipment and structure

Boom type		Box-shaped, 6-section hydraulically telescopic type (Boom section 2 / 3, 4 / 5 / 6 simultaneously operated)
Jib type		2 sections (2nd section of hydraulically teresoscopic type) (offset angles 7° — 60°)
Boom extension/ retraction equipment		Three hydraulic cylinders and wire ropes used together
Boom derricking/lowering equipment		Two hydraulic cylinders of direct acting type with pressure- compensated flow control valve
Winch system Main & Auxiliary winches		Driven by axial plunger type hoisting motor through planetary gear reduction. Controlled independently by respective operating lever. Equipped with automatic brake.
Slewing equipment		Ball bearing type
Outriggers	Type	Hydraulic H-beam type (with float and vertical cylinder in single unit)
	Extension width	7,600mm (Fully extended)
		7,200mm (Intermediately extended)
		6,500mm (Intermediately extended)
		5,400mm (Intermediately extended)
		4,300mm (Intermediately extended)
	2,690mm (Fully retracted)	
Wire rope for hoisting	Main winch	Diameter: 18mm × Length: 240m
	Auxiliary winch	Diameter: 18mm × Length: 125m

●Hydraulic equipment

Oil pump	4 pumps, plunger type
Hydraulic motor	Hoisting motor Axial plunger type
	Slewing motor Axial plunger type
Control valve	Double acting with integral check and relief valves
Cylinder	Double acting type
Oil reservoir capacity	740L

●Safety devices

	ACS (Automatic Crane System with voice alarm), Slewing automatic stop system, Boom raise / lower dampening function, Boom extension / retraction dampening function, Outrigger status detector, Boom derricking / telescoping holding valve, Overhoist prevention device, Drum lock device (on aux. winch), Winch holding valve, Automatic winch brake, Winch drum roller, Hydraulic safety valves, Outrigger lock pins, Slewing lock, Joystick control safety stop system, Hydraulic oil temperature warning device, Hydraulic oil return filter warning device
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●Standard equipment

	Hydraulic oil cooler, Working light (on boom, table and cab), Winch drum turning indication device, Hook for 34 ton, Hook for 5ton
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●Operator's cab

	All steel welded construction, 1 person, Rubber mounted, Adjustable steering wheel, Adjustable seat, Seat belt, Front windscreen wiper & washer (2 speed wiper), Roof window wiper & washer, Cigarette lighter, Ashtray, Floor mat
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●Optional equipment

	Winch view camera, Hook for 70 / 48 ton, Slewing warning buzzer, Winch over unwinding device, Cab heater, Cab cooler, Fan, AM/FM Radio, Fire extinguisher, ACS outside indicator
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■CARRIER Specification

Maximum traveling speed	49km/h
Gradeability (tan θ)	60% (computed at G.V.W. = 39,750kg)
Minimum turning radius (center of extreme outer tire)	11.2m (2 wheel steer) 6.44m (4 wheel steer)
●Engine	
Model	Mitsubishi 6D24-TLE2A
Type	4 cycle, 6 cylinders, water cooled, direct injection turbo-charged diesel engine with intercooling
Piston displacement	11.945L
Max. power	257kW at 2,200min ⁻¹
Max. torque	1,275N·m at 1,500min ⁻¹
Fuel due to KATO's recommendation only	

●Equipment and structure

Equipment and structure		
Drive system		4 × 4
Torque converter		Engine mounted 3 elements 1 stage (with lock up clutch)
Transmission		Remote mounted full automatic 6 forward & 2 reverse speed with transfer differential
Number of speeds		6 forward & 2 reverse speed
Axles	Front	Planetary, drive/steer type
	Rear	Planetary, drive/steer type
Suspension	Front & Rear	Hydro-pneumatic suspension Hydraulic locking device with suspension cylinder
Brake system	Service brake	Air-over hydraulic disk brake on 4 wheels (front and rear independent circuit)
	Parking brake	Spring applied, electrically air released parking brake mounted on front axle, internal expanding type
	Auxiliary brake	Exhaust brake, Hydraulic retarder
Steering		Full hydraulic power steering Completely independent front and rear steering (with automatic rear wheel steering lock system)
Tire size	Front	505 / 95 R25 183E ROAD
	Rear	505 / 95 R25 183E ROAD
Fuel tank capacity		300 L
Batteries		(12V — 150AH) × 2

●Safety devices

	Emergency steering device, Rear wheel steering lock system (automatic), Mis-shifting prevention system, Brake fluid leak warning device, Service brake lock, Suspension lock, Engine overspeed alarm, Radiator coolant level warning device, Air filter service warning device
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●Standard equipment

	Centralized lubricating system, Bypass oil filter
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●Optional equipments

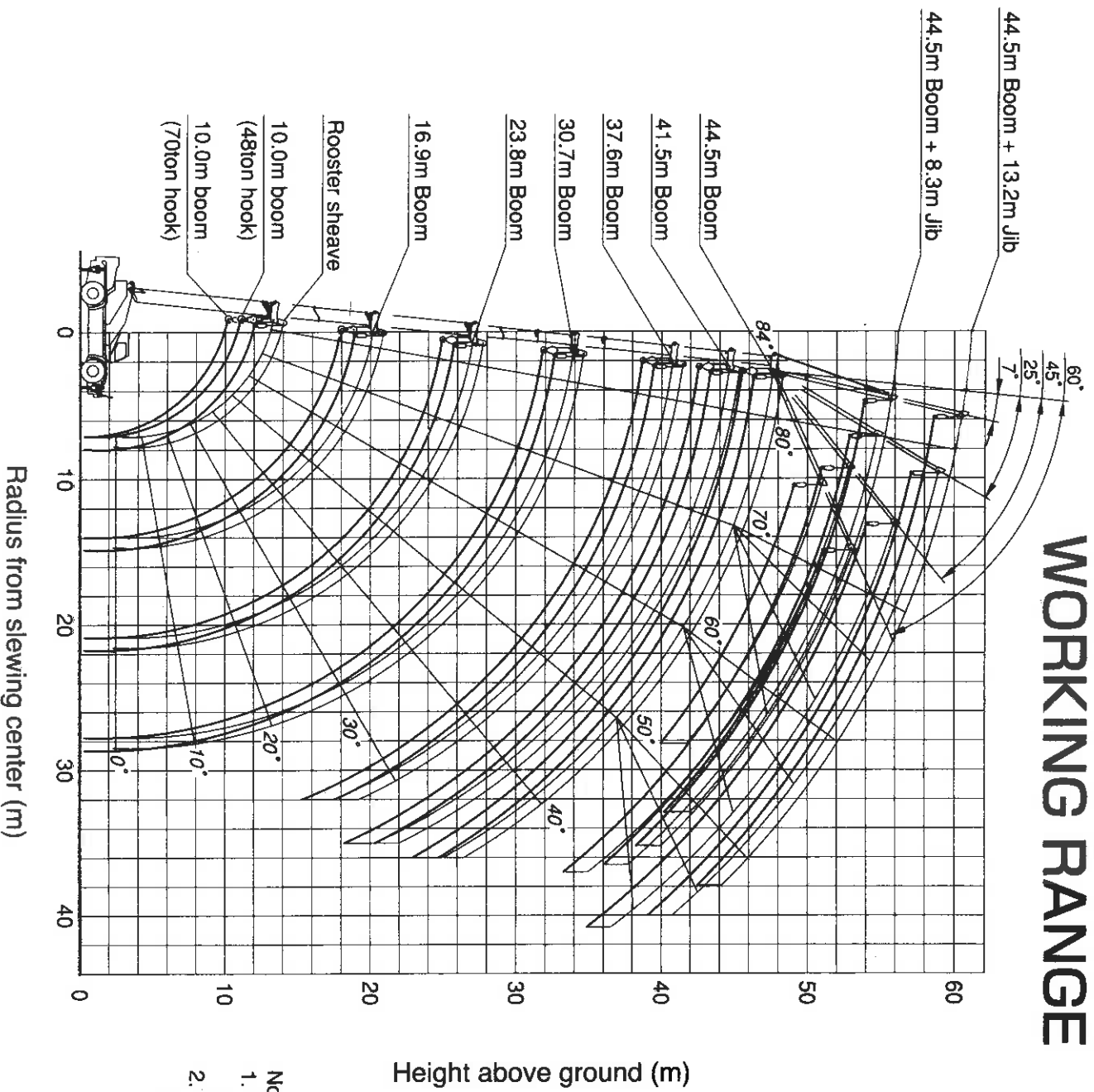
	Yellow rev. light, Rear view camera, Side view camera
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■GENERAL Dimensions

GENERAL DIMENSIONS		
Overall length		12,590mm
Overall width		2,990mm
Overall height		3,680mm
Wheel base		5,300mm
Treads	Front	2,410mm
	Rear	2,410mm
Passenger capacity		One person
Gross vehicle mass	Gross weight	approx. 39,750kg
	Front weight	approx. 19,850kg
	Rear weight	approx. 19,900kg

- Stow the hooks in place before traveling.
- Before you use this machine, read the precautions in the instruction manual thoroughly to operate it correctly.
- KATO products and specifications are subject to improvements and changes without notice.

WORKING RANGE



Height above ground (m)

Radius from slewing center (m)

Note:




1. This diagram does not include deflection of Boom and Fly jib.
2. The outriggers are extended (over front).

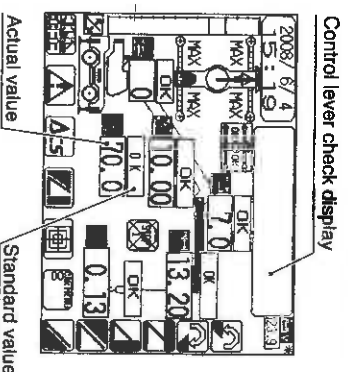
Notes for the Crane Operation

Starting

1. The shift lever must always be in the "N" position when you start the engine.
2. To start the engine turn the starter switch to the "ON" position and wait for the start-up check on the front panel to finish (the warning buzzer should stop).
3. Check that there is no problem then go on to start the engine.
4. After the engine starts, run it at idling speed for long enough to warm it.
4. Check that the hydraulic oil level is within the scale range on the level gauge.
- The crane should be in the driving position.
- * If any malfunction remains indicated on the front panel or an error is indicated, stop the engine immediately and contact your authorised KATO dealer.

ACS preoperational checks

1. Fully extend the outriggers and check that the crane is placed on the level. Set the outrigger and boom configurations on the working status setting screen.
 - * The preoperational checks are impossible if the outriggers are set for stationary crane-on-rubber operation or for pick and carry operation, so always extend the outriggers fully.
2. * Set the boom status other than jib setting.
2. Engage the slewing lock with the crane facing forward and press the  switch on the touch panel to call up the ACS preoperational check display.
3. Check that the actual values of the boom length and boom angle match the standard values on the check display. If you operate the jib or boom with the jib, also check the jib offset angle. At this time, the hooks should be located a little below the top of the boom or jib. Check that the standard values displayed at this stage are "OK".
4. Derrick and lower the boom, hoist and lower the winch, extend and retract the boom and raise and lower the jib to check that the crane will not move and that the control lever check display matches the real movements of the levers.
 - * Press the  switch at the lower right on the touch panel to cancel the automatic stop function.
5. Release the slewing lock while "OK" is displayed. Move the slewing lever left and right to check that the crane will not slew and that the control lever check display matches the real movements of the lever.
 - * Press the  switch at the lower right on the touch panel to cancel the automatic stop function.
6. Set the display mode to the ACS screen and check the outrigger setting status and boom operation status before starting work.
7. If you cannot clear the malfunction of the ACS, or if any points are unclear, contact your authorised KATO dealer to clarify the problem before you go on.
 - * Make the above checks with the standard slings fitted and the machine set on the firm, level ground.
 - * Refer to the ACS instruction manual for details of the ACS preoperational checks.



Outrigger operation

1. Before you extend the outriggers, move the suspension control switch to the "suspension retraction" side while the suspension operation OK lamp is lit to retract the suspension.
2. Before you extend the outriggers, the PTO switch must be in the "ON" position and the outrigger operation OK lamp must be lit.
3. Check the level gauge to ensure that the body of the crane is level to extend the outriggers and then insert the stopper pins without fail.

Slewing operation

1. Pay attention to the positions of any nearby obstacles when slewing.
2. Work the control lever carefully to avoid starting and stopping the slewing suddenly.
3. When slewing from the front or rear to the side, it could be overloaded due to difference in rated lifting capacity, so take special care.
4. Apply the slewing brake once the slewing operation is complete.

Winch operation

1. Do not work with excess loads, drag loads forwards or sideways, or work the levers suddenly.
2. Set the winch switch which you do not operate to the "OFF" position to prevent misoperation.

Extension, retraction, derricking and lowering of the boom or jib

1. Lower the hook sufficiently before you extend, retract, derrick or lower the boom or jib.
2. Press the boom extension/retraction button while you extend or retract the boom sections 4, 5 and 6.
3. Avoid sudden lever operations when you extend, retract, derrick or lower the boom or jib.
4. If the jib is not in use, set the jib selection switch to the "OFF" position to prevent misoperation.

Preparations for general drive

1. Fasten the boom, jib, hooks, outriggers, rooster sheave etc. in their correct locations.
2. Stow the outriggers and insert their stopper pins without fail.
3. Engage the slewing brake and slewing lock.
4. Fasten the rear wheels in the steering lock device. Do not lock the rear steering with the outriggers extended.
5. Turn the PTO switch to "OFF" and set the suspension lock/release switch to the "lock release" side.

Oiling and inspection

1. Check for low hydraulic oil, oil leakage, grease on the equipment, damage to the wire rope etc. thoroughly after you finish crane operation. Oil and grease or replace parts as necessary.

Read the instruction manual thoroughly and be sure you understand it before you start work.

Notes for the Lifting Capacity Chart

Lifting capacity charts (1), (2), (3) and (4) when outriggers are used.

1. The lifting capacity charts are based on the jib stowed on the boom side.
2. The lifting capacity chart indicates the maximum load which can be lifted by this crane provided it is level and standing on firm level ground. The values in the chart include the mass of the main hook and slings for boom operation, and auxiliary hook and slings for jib operation.

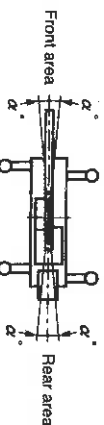
[70 ton hook (mass: 530kg), 48 ton hook (mass: 470kg), 34 ton hook (mass: 330kg), 5 ton hook (mass: 120kg)]

Note:

70 ton hook is explained as 48 ton hook plus sub hook sheave.

Within the chart the figures in the area bordered with a thick line are based on structural limitations while other figures are determined by stability limitations.

3. The working radii are the actual values allowing for boom and jib deflection. Therefore you must always operate the crane on the basis of the working radius.
4. The jib working radius is based on the jib mounted on the end of the 44.5m boom. When operating at other boom lengths, use the boom angle alone as the criterion.
5. Do not operate the jib when the outriggers are completely retracted.
6. The lifting capacities for the over sides vary with the outriggers extension width. Therefore for each outriggers extension condition you should work according the lifting capacity chart. Use the front area lifting capacity chart for the front area lifting work, and use the lifting capacity chart of outriggers full extension for the rear area lifting work.



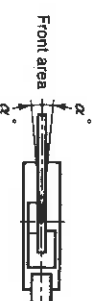
Outrigger extension status	Full extension (7.5m)	Intermediate extension (7.2 - 5.4m)	Intermediate extension (4.3m)	Full retraction
Area α°	Only front area 40	30	15	3

7. The lifting capacity of the rooster sheave is the lifting capacity of the boom minus the mass of all attached hook, slings etc. to the boom, with an upper limit of 5,000kg.
[The hook for use with the rooster sheave is the 5 ton hook (mass: 120kg) with one part of line.]
8. If the boom length, boom angle, jib length, jib angle and/or working radius exceeds the rated value, use the lifting capacity for the rated value or for the next one, whichever gives the smaller lifting capacity.
9. If you are working with the boom while the jib is rigged, subtract 2.6 ton from the each lifting capacity of the boom for the outrigger extension width 7.5m, 7.2m, 6.5m, or 5.4m, and 3.0 ton for the outrigger extension width 4.3m with an upper limit of 18 ton.
Do not use the rooster sheave in this situation. And do not operate the boom while the jib is rigged, when the outriggers are retracted.
[The main hook for use with the jib rigged is 34 ton hook (mass: 330kg)]
10. In whatever working conditions the corresponding boom critical angle is shown in the chart. The crane can tip over if the boom is lowered below the critical angle even if unloaded.
Therefore, never lower the boom below these angles.
11. If you are work with 16 parts of line on the hook (with * marked in the lifting capacity chart), use the rooster sheave, additional sub top sheave, and sub hook sheave.

12. The standard parts of line for each boom length are as indicated in the chart. If you work with a non-standard number of parts of line, do not exceed 45.1kN (4.6t) per wire rope respectively.
13. Crane operation is permissible up to a wind speed of 10m/s. Even in relatively light wind conditions, extra care should be taken when handling loads presenting large wind catching areas.
14. Kato bears no liability whatsoever for damage, crane tipping or other accident caused by crane operations which differ from the directions contained in the instruction manual and the warning labels.

lifting capacity chart (5) when outriggers are not used.

1. The lifting capacity chart indicates the maximum load the crane can lift when its body is level on firm level ground with all tires inflated to the rated pressure and the suspension cylinder completely retracted. The values in the chart include the mass of the main hook and slings.
Within the chart the figures in the area bordered with a thick line are based on structural limitations while other figures are determined by stability limitations.
[Rated tire pressure: 800kPa (8.0kg/cm²)]
2. The working radii are the actual values allowing for boom deflection. Therefore you must always operate the crane on the basis of the working radius.
3. The lifting capacity differs between the front area capacity and the full range capacity. When slewing from the front to the side, take care that the crane could not be over loaded.



Crane operation	Stationary crane-on-rubber operation	Pick and carry operation
Area α°	1	1

4. The lifting capacity of the rooster sheave is the lifting capacity of the boom minus the mass of 34ton hook (mass: 330kg), with an upper limit of 5,000kg.
[The hook for use with the rooster sheave is the 5 ton hook (mass: 120kg) with one part of line.]
5. Do not work with the jib or with a boom length of more than 23.8m.
6. For stationary crane-on-rubber operation, the parking brake and service brake lock device must be engaged.
7. For pick and carry operation, the super-slow speed switch must be switched to "ON" and the shift lever set to speed 1.
8. For pick and carry operation, lower the load to just above the ground and keep your speed strictly below 2km/h to avoid swinging the load.
Take particular care to avoid sharp turns, sudden starts and stops.
9. Never operate the crane during pick and carry operation. The slewing brake must be applied.
10. Other than the above precautions observe points (1), (8), (10), (12), (13) and (14) of the section "Precautions on outrigger use".

KATO SR-700L LIFTING CAPACITIES (1)

when outriggers are used.

(Unit: Metric ton)

Based on ISO 4305 (Unit: Metric ton)

Working radius (m)	Outriggers fully extended (7.6m) - over side and over rear									
	10.0m Boom	16.9m Boom	23.8m Boom	30.7m Boom	37.6m Boom	41.5m Boom	44.5m Boom			
2.5	70.00*	32.00	23.00	12.50						
3.0	61.00*	32.00	23.00	12.50						
3.5	55.00*	32.00	23.00	12.50	12.00					
4.0	49.20*	32.00	23.00	12.50	12.00	10.00				
4.5	44.10	32.00	23.00	12.50	12.00	10.00	8.00			
5.0	39.50	32.00	23.00	12.50	12.00	10.00	8.00			
5.5	35.70	32.00	23.00	12.50	12.00	10.00	8.00			
6.0	32.50	30.50	22.00	12.50	12.00	10.00	8.00			
6.5	29.50	28.50	20.60	12.50	12.00	10.00	8.00			
7.0	26.80	26.00	19.30	12.50	12.00	10.00	8.00			
7.5		24.00	18.20	12.50	12.00	10.00	8.00			
8.0		22.00	17.20	12.50	12.00	10.00	8.00			
9.0		17.50	15.40	12.50	12.00	10.00	8.00			
10.0		14.00	13.80	12.50	10.90	10.00	8.00			
11.0		11.40	11.20	11.30	10.00	9.20	8.00			
12.0		9.40	9.20	10.30	9.20	8.40	8.00			
13.0		7.90	7.65	8.70	8.40	7.80	7.30			
14.0			6.40	7.40	7.80	7.20	6.80			
15.0			5.35	6.35	7.00	6.60	6.30			
16.0			4.50	5.45	6.10	6.20	5.80			
17.0			3.80	4.75	5.30	5.55	5.40			
18.0			3.15	4.10	4.65	4.90	5.00			
19.0			2.60	3.55	4.10	4.35	4.50			
20.0			2.15	3.05	3.60	3.85	4.00			
21.0				2.60	3.15	3.40	3.55			
22.0				2.25	2.75	3.00	3.15			
24.0				1.60	2.10	2.30	2.45			
26.0					1.05	1.55	1.75	1.90		
28.0						1.10	1.30	1.45		
30.0						0.75	0.95	1.05		
32.0							0.60	0.70		
33.0								0.55		
Critical boom angle	—	—	—	—	28°	33°	37°			
Standard hook (for 70°/48ton option)	for 34 ton									
Hook mass 530°/470kg	330kg									
Parts of line	16°/10	7	5	4	4	4	4			

Working radius (m)	Outriggers intermediately extended (7.2m) - over side										Outriggers intermediately extended (6.5m) - over side									
	10.0m Boom	16.9m Boom	23.8m Boom	30.7m Boom	37.6m Boom	41.5m Boom	44.5m Boom	10.0m Boom	16.9m Boom	23.8m Boom	30.7m Boom	37.6m Boom	41.5m Boom	44.5m Boom						
2.5	48.00	32.00	23.00	12.50				48.00	32.00	23.00	12.50									
3.0	48.00	32.00	23.00	12.50				48.00	32.00	23.00	12.50									
3.5	48.00	32.00	23.00	12.50	12.00			48.00	32.00	23.00	12.50	12.00								
4.0	46.00	32.00	23.00	12.50	12.00	10.00		42.00	32.00	23.00	12.50	12.00	10.00							
4.5	42.00	32.00	23.00	12.50	12.00	10.00	8.00	38.00	32.00	23.00	12.50	12.00	10.00	8.00						
5.0	38.50	32.00	23.00	12.50	12.00	10.00	8.00	34.50	32.00	23.00	12.50	12.00	10.00	8.00						
5.5	35.00	32.00	23.00	12.50	12.00	10.00	8.00	31.50	32.00	23.00	12.50	12.00	10.00	8.00						
6.0	32.00	30.50	22.00	12.50	12.00	10.00	8.00	29.00	30.50	22.00	12.50	12.00	10.00	8.00						
6.5	29.50	28.50	20.60	12.50	12.00	10.00	8.00	25.00	25.80	20.60	12.50	12.00	10.00	8.00						
7.0	26.80	26.00	19.30	12.50	12.00	10.00	8.00	21.50	21.80	19.30	12.50	12.00	10.00	8.00						
7.5		23.10	18.20	12.50	12.00	10.00	8.00		18.80	18.20	12.50	12.00	10.00	8.00						
8.0		20.50	17.20	12.50	12.00	10.00	8.00		16.40	16.20	12.50	12.00	10.00	8.00						
9.0		16.00	15.40	12.50	12.00	10.00	8.00		12.90	12.70	12.50	12.00	10.00	8.00						
10.0		12.70	12.40	12.50	10.90	10.00	8.00		10.30	10.00	11.25	10.90	10.00	8.00						
11.0		10.30	10.10	11.10	10.00	9.20	8.00		8.40	8.10	9.30	9.80	9.20	8.00						
12.0		8.50	8.25	9.25	9.20	8.40	8.00		6.85	6.60	7.70	8.40	8.40	8.00						
13.0		7.10	6.85	7.80	8.40	7.80	7.30		5.65	5.40	6.45	7.10	7.20	7.30						
14.0			5.70	6.65	7.25	7.20	6.80			4.45	5.45	6.05	6.35	6.50						
15.0			4.75	5.65	6.30	6.55	6.30			3.60	4.60	5.20	5.45	5.60						
16.0			3.95	4.85	5.45	5.70	5.80			2.90	3.90	4.50	4.75	4.90						
17.0			3.30	4.15	4.75	5.00	5.15			2.35	3.30	3.85	4.10	4.25						
18.0			2.70	3.55	4.15	4.40	4.55			1.85	2.75	3.35	3.55	3.70						
19.0			2.20	3.05	3.60	3.85	4.00			1.40	2.30	2.85	3.10	3.25						
20.0			1.75	2.60	3.15	3.40	3.50			1.00	1.90	2.45	2.70	2.80						
21.0				2.20	2.75	2.95	3.10				1.55	2.10	2.30	2.45						
22.0				1.85	2.40	2.60	2.75				1.25	1.75	2.00	2.10						
24.0				1.25	1.75	1.95	2.10				0.70	1.20	1.45	1.55						
26.0				0.75	1.25	1.45	1.60					0.75	0.95	1.10						
28.0					0.85	1.05	1.15						0.60	0.70						
30.0						0.65	0.80													
31.0							0.65													
Critical boom angle	—	—	—	—	35°	38°	41°	—	—	—	25°	40°	43°	47°						
Standard hook (for 48ton option)	for 34 ton										for 34 ton									
Hook mass 470kg	330kg										330kg									
Parts of line	10	7	5	4	4	4	4	10	7	5	4	4	4	4						

LIFTING CAPACITIES (2) when outriggers are used.

(Unit: Metric ton)

Working radius (m)		Outriggers intermediately extended (5.4m) - over side										Outriggers intermediately extended (4.3m) - over side										Outriggers completely retracted (2.69m) - over side		Unit: Metric ton	
		10.0m Boom	16.9m Boom	23.8m Boom	30.7m Boom	37.6m Boom	41.5m Boom	44.5m Boom	10.0m Boom	16.9m Boom	23.8m Boom	30.7m Boom	37.6m Boom	41.5m Boom	44.5m Boom	10.0m Boom	16.9m Boom	23.8m Boom							
2.5	48.00	32.00	23.00	12.50					38.00	30.00	23.00	12.50				20.00	15.00	12.00							
3.0	48.00	32.00	23.00	12.50					38.00	30.00	23.00	12.50				20.00	15.00	12.00							
3.5	46.00	32.00	23.00	12.50	12.00				38.00	30.00	23.00	12.50	12.00			18.00	15.00	12.00							
4.0	42.00	32.00	23.00	12.50	12.00	10.00			31.00	29.60	23.00	12.50	12.00	10.00		14.00	13.70	12.00							
4.5	38.00	32.00	23.00	12.50	12.00	10.00	8.00		24.00	24.30	20.80	12.50	12.00	10.00	8.00	11.30	11.00	9.90							
5.0	32.20	30.60	23.00	12.50	12.00	10.00	8.00	20.00	19.40	17.60	12.50	12.00	10.00	8.00	9.30	9.00	8.30								
5.5	25.90	25.20	22.40	12.50	12.00	10.00	8.00	16.50	16.00	15.10	12.50	12.00	10.00	8.00	7.80	7.40	7.00								
6.0	21.50	20.90	19.30	12.50	12.00	10.00	8.00	13.90	13.40	13.00	12.50	12.00	10.00	8.00	6.60	6.50	5.90								
6.5	18.20	17.60	16.90	12.50	12.00	10.00	8.00	11.90	11.40	11.30	11.60	11.50	10.00	8.00	5.60	5.20	5.00								
7.0	15.70	15.10	14.80	12.50	12.00	10.00	8.00	10.40	9.80	9.70	10.40	10.35	10.00	8.00	4.80	4.40	4.20								
7.5		13.10	12.90	12.50	12.00	10.00	8.00		8.60	8.40	9.30	9.30	9.20	8.00		3.70	3.50								
8.0		11.50	11.30	12.10	11.90	10.00	8.00		7.50	7.30	8.30	8.30	8.40	8.00		3.20	2.90								
9.0		9.00	8.80	9.95	10.00	9.90	8.00		5.80	5.60	6.60	6.95	7.00	7.00		2.15									
10.0		7.20	7.00	8.05	8.45	8.45	8.00		4.60	4.40	5.30	5.80	5.85	5.90		1.25									
11.0		5.80	5.55	6.65	7.15	7.25	7.25		3.50	3.30	4.30	4.80	4.90	4.95											
12.0		4.60	4.40	5.45	6.05	6.20	6.25		2.65	2.45	3.45	4.00	4.15	4.20											
13.0		3.70	3.50	4.50	5.10	5.35	5.40		1.95	1.70	2.70	3.30	3.50	3.55											
14.0			2.70	3.70	4.30	4.55	4.70			1.00	2.10	2.70	2.90	3.00											
15.0			2.10	3.05	3.60	3.85	4.00				1.55	2.15	2.40	2.50											
16.0			1.55	2.50	3.05	3.30	3.45				1.10	1.70	1.95	2.10											
17.0			1.10	2.00	2.55	2.80	2.90					1.30	1.55	1.70											
18.0			0.70	1.60	2.10	2.35	2.50																		
19.0				1.20	1.75	1.95	2.10																		
20.0				0.90	1.40	1.60	1.75																		
21.0				0.60	1.10	1.30	1.45																		
22.0					0.85	1.05	1.20																		
Critical boom angle	—	—	30°	40°	50°	54°	57°	—	—	46°	53°	60°	63°	65°	—	40°	64°								
Standard hook	for 4800 (option)	for 34 ton										for 4800 (option)	for 34 ton										for 4800 (option)	for 34 ton	
Hook mass	470kg	330kg										470kg	330kg										470kg	330kg	
Parts of line	10	7	5	4	4	4	4	10	7	5	4	4	4	4	10	7	5								

Based on ISO 4305 (Unit: Metric ton)

Working radius (m)		Outriggers extended over front									
	10.0m Boom	16.9m Boom	23.8m Boom	30.7m Boom	37.6m Boom	41.5m Boom	44.5m Boom				
2.5	70.00*	32.00	23.00	12.50							
3.0	61.00*	32.00	23.00	12.50							
3.5	55.00*	32.00	23.00	12.50	12.00						
4.0	49.20*	32.00	23.00	12.50	12.00	10.00					
4.5	44.10	32.00	23.00	12.50	12.00	10.00	8.00				
5.0	39.50	32.00	23.00	12.50	12.00	10.00	8.00				
5.5	35.70	32.00	23.00	12.50	12.00	10.00	8.00				
6.0	32.50	30.50	22.00	12.50	12.00	10.00	8.00				
6.5	29.50	28.50	20.60	12.50	12.00	10.00	8.00				
7.0	26.80	26.00	19.30	12.50	12.00	10.00	8.00				
7.5		24.00	18.20	12.50	12.00	10.00	8.00				
8.0		22.00	17.20	12.50	12.00	10.00	8.00				
9.0		19.00	15.40	12.50	12.00	10.00	8.00				
10.0		16.00	13.90	12.50	10.90	10.00	8.00				
11.0		13.20	12.20	11.30	10.00	9.20	8.00				
12.0		11.00	10.70	10.30	9.20	8.40	8.00				
13.0		9.30	9.00	9.30	8.40	7.80	7.30				
14.0			7.60	8.50	7.80	7.20	6.80				
15.0			6.45	7.45	7.30	6.60	6.30				
16.0			5.50	6.50	6.80	6.20	5.80				
17.0			4.70	5.65	6.25	5.80	5.40				
18.0			4.00	4.95	5.50	5.40	5.10				
19.0			3.40	4.30	4.90	5.10	4.80				
20.0			2.85	3.80	4.35	4.55	4.50				
21.0				3.30	3.85	4.10	4.20				
22.0				2.90	3.40	3.65	3.80				
24.0				2.15	2.70	2.90	3.05				
26.0				1.60	2.10	2.30	2.40				
28.0					1.60	1.80	1.90				
30.0					1.20	1.35	1.50				
32.0					0.85	1.00	1.10				
33.0						0.85	0.95				
34.0						0.70	0.80				
35.0						0.55	0.70				
36.0							0.55				
Critical boom angle	—	—	—	—	—	23°	29°				
Standard hook mass	for 70°/4800 (option) 530*/470kg	for 34 ton 330kg									
Parts of line	16*/10	7	5	4	4	4	4				

LIFTING CAPACITIES (3) when outriggers are used.

Based on ISO 4305 (Unit: Metric ton)

44.5m Boom + 8.3m SL Jib									
Outriggers fully extended (7.6m) - over side and over rear									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	5.8	4.00	8.6	3.00	10.4	1.90	11.2	1.00	
80	10.3	4.00	12.8	3.00	14.4	1.90	14.7	1.00	
77	13.4	4.00	15.8	3.00	17.0	1.85	17.3	1.00	
75	15.5	4.00	17.5	3.00	18.7	1.80	19.0	1.00	
73	17.3	3.70	19.3	2.75	20.3	1.75	20.7	1.00	
70	19.9	3.20	21.8	2.45	22.8	1.65	23.1	1.00	
68	21.7	2.90	23.5	2.25	24.5	1.60	24.6	1.00	
65	24.1	2.30	25.8	2.05	26.8	1.55	26.8	1.00	
63	25.7	1.80	27.3	1.70	28.3	1.50	28.2	1.00	
60	27.7	1.35	29.4	1.20	30.3	1.15			
57	29.8	0.90	31.4	0.80	32.3	0.75			
54	31.8	0.55	33.4	0.45	34.0	0.45			
Critical boom angle	53°	53°	53°	53°	62°				
Standard boom	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 8.3m SL Jib									
Outriggers intermediately extended (7.2m) - over side									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	5.8	4.00	8.6	3.00	10.4	1.90	11.2	1.00	
80	10.3	4.00	12.8	3.00	14.4	1.90	14.7	1.00	
77	13.4	4.00	15.8	3.00	17.0	1.85	17.3	1.00	
75	15.5	4.00	17.5	3.00	18.7	1.80	19.0	1.00	
73	17.3	3.70	19.3	2.75	20.3	1.75	20.7	1.00	
70	19.9	3.20	21.8	2.45	22.8	1.65	23.1	1.00	
68	21.7	2.80	23.5	2.25	24.5	1.60	24.6	1.00	
65	23.8	2.10	25.7	1.85	26.8	1.55	26.8	1.00	
63	25.3	1.65	27.1	1.45	28.2	1.40	28.2	1.00	
60	27.5	1.10	29.3	1.00	30.2	0.95			
57	29.6	0.70	31.3	0.60	32.2	0.55			
Critical boom angle	56°	56°	56°	56°	62°				
Standard boom	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 8.3m SL Jib									
Outriggers intermediately extended (6.5m) - over side									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	5.8	4.00	8.6	3.00	10.4	1.90	11.2	1.00	
80	10.3	4.00	12.8	3.00	14.4	1.90	14.7	1.00	
77	13.4	4.00	15.8	3.00	17.0	1.85	17.3	1.00	
75	15.5	4.00	17.5	3.00	18.7	1.80	19.0	1.00	
73	17.3	3.70	19.3	2.75	20.3	1.75	20.7	1.00	
70	19.7	2.90	21.8	2.45	22.8	1.65	23.1	1.00	
68	21.2	2.35	23.3	2.00	24.5	1.60	24.6	1.00	
65	23.5	1.60	25.5	1.40	26.7	1.30	26.8	1.00	
63	25.0	1.20	27.0	1.00	28.1	0.95	28.2	1.00	
60	27.2	0.85	29.1	0.60	30.1	0.55			
Critical boom angle	59°	59°	59°	59°	62°				
Standard boom	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 8.3m SL Jib									
Outriggers intermediately extended (5.4m) - over side									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	5.8	4.00	8.6	3.00	10.4	1.90	11.2	1.00	
80	10.3	4.00	12.8	3.00	14.4	1.90	14.7	1.00	
77	13.4	4.00	15.8	3.00	17.0	1.85	17.3	1.00	
75	15.1	3.60	17.5	3.00	18.7	1.80	19.0	1.00	
73	16.7	3.00	19.0	2.55	20.3	1.75	20.7	1.00	
70	19.1	2.10	21.4	1.65	22.7	1.55	23.1	1.00	
68	20.7	1.50	23.0	1.20	24.3	1.10	24.6	1.00	
Critical boom angle	67°	67°	67°	67°					
Standard boom	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 8.3m SL Jib									
Outriggers intermediately extended (4.3m) - over side									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	5.8	4.00	8.6	3.00	10.4	1.90	11.2	1.00	
80	10.3	4.00	12.8	3.00	14.4	1.90	14.7	1.00	
77	13.0	3.40	15.8	2.55	17.0	1.85	17.3	1.00	
75	14.8	2.45	17.2	2.00	18.7	1.70	19.0	1.00	
73	16.5	1.75	18.8	1.40	20.3	1.30	20.7	1.00	
Critical boom angle	72°	72°	72°	72°					
Standard boom	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 8.3m SL Jib									
Outriggers extended - over front									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	5.8	4.00	8.6	3.00	10.4	1.90	11.2	1.00	
80	10.3	4.00	12.8	3.00	14.4	1.90	14.7	1.00	
77	13.4	4.00	15.8	3.00	17.0	1.85	17.3	1.00	
75	15.5	4.00	17.5	3.00	18.7	1.80	19.0	1.00	
73	17.3	3.70	19.3	2.75	20.3	1.75	20.7	1.00	
70	19.9	3.20	21.8	2.45	22.8	1.65	23.1	1.00	
68	21.7	2.90	23.5	2.25	24.5	1.60	24.6	1.00	
65	24.1	2.45	25.8	2.05	26.8	1.55	26.8	1.00	
63	25.7	2.25	27.4	1.90	28.3	1.50	28.2	1.00	
60	27.9	1.75	29.6	1.60	30.3	1.45			
57	30.0	1.30	31.7	1.15	32.3	1.15			
54	32.0	0.90	33.6	0.80	34.0	0.80			
49	35.2	0.40	36.5	0.35	37.0	0.35			
Critical boom angle	48°	48°	48°	48°	62°				
Standard boom	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

LIFTING CAPACITIES (4) when outriggers are used.

Based on ISO 4305 (Unit: Metric ton)

44.5m Boom + 13.2m SL Jib									
Outriggers fully extended (7.6m) - over side and over rear									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	7.2	2.50	11.0	1.50	14.3	1.00	15.7	0.60	
80	11.8	2.50	15.5	1.50	18.2	1.00	19.5	0.60	
77	15.3	2.50	18.6	1.50	21.0	1.00	22.2	0.60	
75	17.5	2.50	20.6	1.50	22.9	1.00	23.8	0.60	
73	19.6	2.50	22.5	1.45	24.8	1.00	25.4	0.60	
70	22.5	2.20	25.2	1.40	27.3	1.00	27.8	0.60	
68	24.5	2.05	27.0	1.35	29.0	1.00	29.4	0.60	
65	27.2	1.85	29.6	1.30	31.4	1.00	31.5	0.60	
63	28.9	1.50	31.2	1.25	32.9	0.95	32.9	0.60	
60	31.2	1.05	33.6	0.95	35.3	0.90			
58	32.5	0.85	35.2	0.70	36.5	0.70			
55	34.5	0.55	37.2	0.40	38.3	0.40			
Critical boom angle (°)	54°	54°	54°	54°	62°				
Standard hook	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 13.2m SL Jib									
Outriggers intermediately extended (7.2m) - over side									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	7.2	2.50	11.0	1.50	14.3	1.00	15.7	0.60	
80	11.8	2.50	15.5	1.50	18.2	1.00	19.5	0.60	
77	15.3	2.50	18.6	1.50	21.0	1.00	22.2	0.60	
75	17.5	2.50	20.6	1.50	22.9	1.00	23.8	0.60	
73	19.6	2.50	22.5	1.45	24.8	1.00	25.4	0.60	
70	22.5	2.20	25.2	1.40	27.3	1.00	27.8	0.60	
68	24.5	2.05	27.0	1.35	29.0	1.00	29.4	0.60	
65	27.1	1.65	29.6	1.30	31.4	1.00	31.5	0.60	
63	28.7	1.30	31.1	1.20	32.9	0.95	32.9	0.60	
60	31.0	0.85	33.4	0.80	34.9	0.75			
58	32.3	0.65	34.9	0.55	36.2	0.45			
Critical boom angle (°)	57°	57°	57°	57°	62°				
Standard hook	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 13.2m SL Jib									
Outriggers intermediately extended (6.5m) - over side									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	7.2	2.50	11.0	1.50	14.3	1.00	15.7	0.60	
80	11.8	2.50	15.5	1.50	18.2	1.00	19.5	0.60	
77	15.3	2.50	18.6	1.50	21.0	1.00	22.2	0.60	
75	17.5	2.50	20.6	1.50	22.9	1.00	23.8	0.60	
73	19.6	2.50	22.5	1.45	24.8	1.00	25.4	0.60	
70	22.5	2.20	25.2	1.40	27.3	1.00	27.8	0.60	
68	24.2	1.80	27.0	1.35	29.0	1.00	29.4	0.60	
65	26.6	1.25	29.4	1.10	31.4	1.00	31.5	0.60	
63	28.3	0.90	31.0	0.80	32.7	0.70	32.9	0.60	
Critical boom angle (°)	62°	62°	62°	62°	62°				
Standard hook	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 13.2m SL Jib									
Outriggers intermediately extended (5.4m) - over side									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	7.2	2.50	11.0	1.50	14.3	1.00	15.7	0.60	
80	11.8	2.50	15.5	1.50	18.2	1.00	19.5	0.60	
77	15.3	2.50	18.6	1.50	21.0	1.00	22.2	0.60	
75	17.5	2.50	20.6	1.50	22.9	1.00	23.8	0.60	
73	19.5	2.35	22.5	1.45	24.8	1.00	25.4	0.60	
70	22.0	1.60	25.0	1.30	27.3	1.00	27.8	0.60	
68	23.5	1.20	26.8	0.90	28.9	0.85	29.4	0.60	
Critical boom angle (°)	67°	67°	67°	67°	67°				
Standard hook	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 13.2m SL Jib									
Outriggers intermediately extended (4.3m) - over side									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	7.2	2.50	11.0	1.50	14.3	1.00	15.7	0.60	
80	11.8	2.50	15.5	1.50	18.2	1.00	19.5	0.60	
77	15.3	2.50	18.6	1.50	21.0	1.00	22.2	0.60	
75	17.0	2.00	20.6	1.50	22.9	1.00	23.8	0.60	
73	18.8	1.40	22.3	1.10	24.6	1.00	25.4	0.60	
Critical boom angle (°)	72°	72°	72°	72°	72°				
Standard hook	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

44.5m Boom + 13.2m SL Jib									
Outriggers extended - over front									
Boom angle (°)	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°	Offset 25°	Offset 45°	Offset 60°	Offset 7°
Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)	Working radius (m)	Load (ton)
84	7.2	2.50	11.0	1.50	14.3	1.00	15.7	0.60	
80	11.8	2.50	15.5	1.50	18.2	1.00	19.5	0.60	
77	15.3	2.50	18.6	1.50	21.0	1.00	22.2	0.60	
75	17.5	2.50	20.6	1.50	22.9	1.00	23.8	0.60	
73	19.6	2.50	22.5	1.45	24.8	1.00	25.4	0.60	
70	22.5	2.20	25.2	1.40	27.3	1.00	27.8	0.60	
68	24.5	2.05	27.0	1.35	29.0	1.00	29.4	0.60	
65	27.2	1.85	29.6	1.30	31.4	1.00	31.5	0.60	
63	28.9	1.70	31.2	1.25	32.9	0.95	32.9	0.60	
60	31.4	1.45	33.8	1.20	35.3	0.90			
58	32.9	1.15	35.3	1.05	36.6	0.90			
55	35.0	0.80	37.3	0.75	38.5	0.70			
50	37.9	0.45	40.0	0.40	40.8	0.40			
Critical boom angle (°)	49°	49°	49°	49°	62°				
Standard hook	for 5 ton (Hook mass: 120kg)								
Parts of line	1								

LIFTING CAPACITIES (5) when outriggers are not used.

Based on ISO 4305 (Unit: Metric ton)

Working radius (m)	Stationary on rubber										Pick & Carry (less than 2 km/h)								Working radius (m)
	10.0m Boom		16.9m Boom		23.8m Boom		10.0m Boom		16.9m Boom		23.8m Boom								
	Over front	360° full range	Over front	360° full range	Over front	360° full range	Over front	360° full range	Over front	360° full range	Over front	360° full range							
3.5	20.00	12.00	15.00	8.50	9.00	4.50	14.50	8.00	10.50	6.50	7.50	3.30	3.5						
4.0	20.00	9.80	15.00	8.50	9.00	4.50	14.50	7.00	10.50	6.50	7.50	3.30	4.0						
4.5	17.40	8.00	15.00	7.20	9.00	4.50	12.50	6.00	10.50	5.40	7.50	3.30	4.5						
5.0	15.50	6.60	15.00	6.10	9.00	4.50	11.00	5.10	10.50	4.50	7.50	3.30	5.0						
5.5	14.00	5.50	13.70	5.10	9.00	4.50	10.00	4.30	10.50	3.75	7.50	3.30	5.5						
6.0	12.80	4.65	12.40	4.25	9.00	3.80	9.10	3.60	9.50	3.15	7.50	2.90	6.0						
6.5	11.70	3.90	11.30	3.60	8.60	3.20	8.40	3.00	8.60	2.70	7.00	2.50	6.5						
7.0	10.70	3.20	10.30	3.00	8.20	2.70	7.80	2.50	7.80	2.25	6.55	2.00	7.0						
7.5			9.40	2.50	7.80				7.10	1.85	6.10		7.5						
8.0			8.60	1.90	7.40				6.50	1.50	5.70		8.0						
8.5			7.70	1.40	7.00				5.85	1.20	5.35		8.5						
9.0			7.00		6.60				5.30	0.90	5.00		9.0						
10.0			5.70		5.50				4.30		4.10		10.0						
11.0			4.75		4.60				3.50		3.35		11.0						
12.0			4.00		3.75				2.90		2.65		12.0						
13.0			3.35		3.05				2.45		2.00		13.0						
14.0					2.50						1.50		14.0						
15.0					2.00						1.00		15.0						
16.0					1.60								16.0						
17.0					1.20								17.0						
18.0					0.80								18.0						
Critical boom angle	—	—	—	49°	30°	68°	—	—	—	49°	41°	68°	Critical boom angle						
Standard hook	for 34 ton												Standard hook						
Hook mass	330kg												Hook mass						
Parts of line	5												Parts of line						