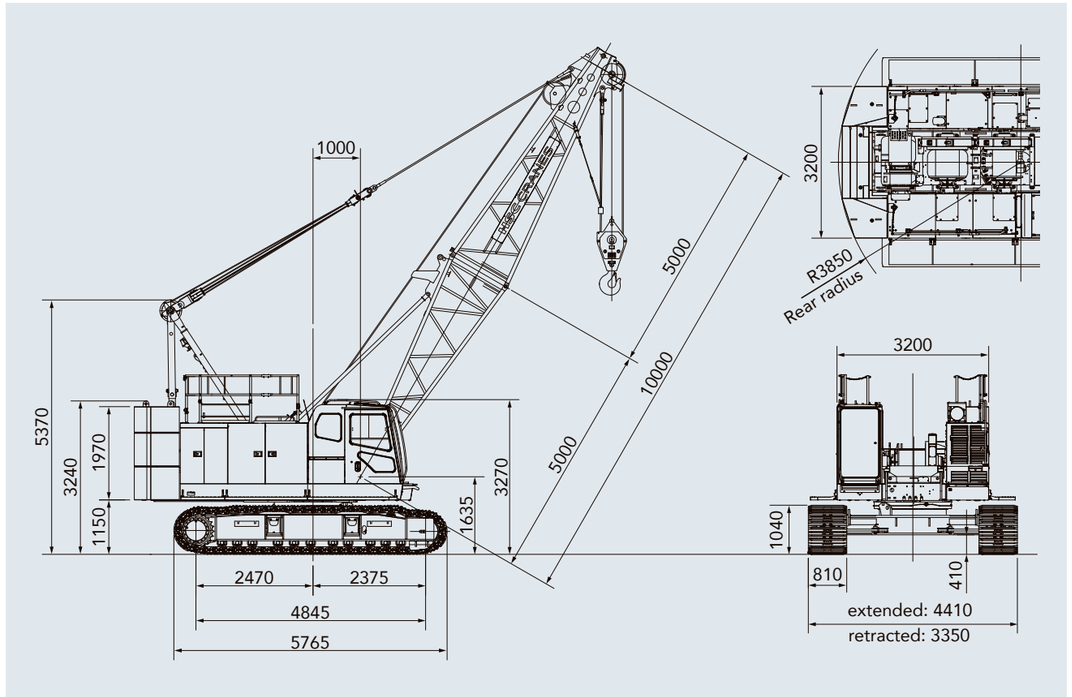
SCX550-3 (European Specification)

General dimensions

Units: mm



Specifications

Model			SCX550-3	
Application			Liftcrane	Clamshell
Max. lifting capacity		t × m	55 × 3.7	—
Basic boom length		m	10.0	10.0
Max. boom length		m	49.0	19.0
Crane jib length		m	6.0～15.0	—
Max. boom + crane jib length		m	43.0 + 15.0	—
Rope line speeds (*1)	Front/rear main drum (rated with 6.5 t load)	m / min	110 (53)	74 Support and opening/ closing wire rope speed
	Boom hoist drum	m / min	60	60
Swing speed		min^{-1}(rpm)	4.2 (4.2)	4.2 (4.2)
Travel speed high/low (*2)		km/h	1.9 / 1.5	1.9 / 1.5
Gradeability		% (°)	40 (22)	40 (22)
Bucket capacity		m^3	—	0.8/1.0/1.2
Allowable gross weight		t	—	6.0
Max. digging depth		m	—	36
Engine	Make & model		Hino J05E-VB (Stage V)	
	Max output	kW/min^{-1} (PS/rpm)	138/2100 (188/2100)	
Ground contact pressure (*3)		kPa (kgf/cm^2)	70.0 (0.71) w/basic boom, 55 t hook block	72.0 (0.74) w/basic boom, 1.2 m^3 bucket
Operating weight (*3)		t	Approx. 56.1 w/basic boom, 55 t hook block	Approx. 57.7 w/basic boom, 1.2 m^3 bucket

Notes: 1. Rope line speeds vary under load and operating conditions (*1). 2. Travel speed is based on flat, level and firm supporting surface with no load and 10.0 m basic boom (*2).
3. Handrail (folding type), with catwalk (*3)

- We are constantly improving our products and therefore reserve the right to change designs and specifications without notice.
- Units in this catalog are shown under International System of Units (SI). The figures in parenthesis are under the older British Gravitational System of Units.
- Illustrations may include optional equipment and accessories, and may not include all standard equipment.
- Standard equipment and accessories may vary by country and region.

Sumitomo Heavy Industries Construction Cranes Co., Ltd. has been abbreviated as "HSC" throughout this catalog. "HSC CRANES" is a brand of Sumitomo Heavy Industries Construction Cranes Co., Ltd.

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SCX550

European Specification

Meets European Stage V
Non-Road Emission Standards

JAPAN QUALITY

HSC CRANES

Evolution that makes a difference.

The 55 t class crawler crane offers excellent
operating versatility across a broad range of work sites.
Now powered by the latest EU Stage V-compliant engine,
the SCX550-3 delivers ample performance in a compact body and has been
fine-tuned to meet modern demands, with superior operability,
safety, transportability, eco-friendly design and so much more.
With refined usability, efficient operations and low fuel consumption,
the innovative SCX550-3 makes a clear difference the more it is used.
Find out exactly how it can transform your worksite and
lead your business to even greater heights.

EU Stage V Engine

Full performance 55t

Rear radius 3.85m

Superior versatility

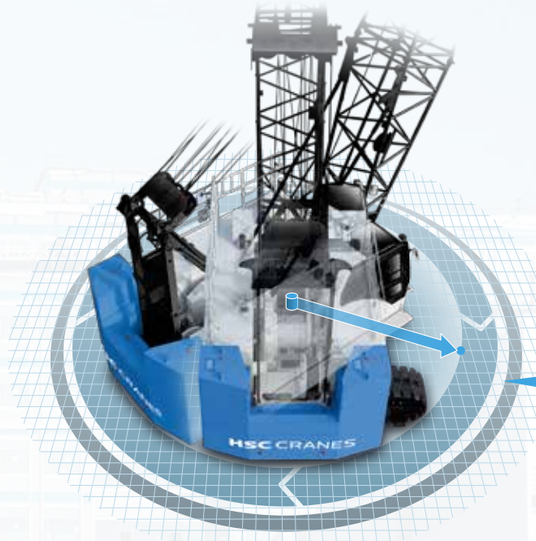
SCX 550-3

GOOD DESIGN

＊Photos may differ to the specifications of available products.

Compact size and high performance for any site.

Cranes for building the society of tomorrow require the operating capability to suit a broad range of worksites. The SCX550-3 has superior performance capable of lifting loads up to 55 t, as well as outstanding mobility on the ground. Proven reliability and advanced efficiency mean the SCX550-3 is designed for working on tough sites.



Compact body ideal for any site conditions

The counter weight width has been kept to 3200 mm, and a rear swing radius of 3850 mm ensures safe operations on sites with limited space. The SCX550-3 caters to work required for any business as it is designed to meet a greater range of site conditions.

SCX550-3 Rear radius	3850mm
SCX550-3 Counter weight width	3200mm

Lifts up to 55 t loads with the smallest rear radius in its class*. It's the ideal size for so many work sites!

*50 t class crawler cranes

Winch with installed reduction gear

The front and rear winch feature the same design as previous models with its simple structure and installed reduction gear (with free-fall function). Core crane functions can be controlled using only the hoisting lever, making operations so user-friendly and efficient. The same hand brake function as previous models has also been retained. The superior pedal and hoisting lever control system make clamshell and other bucket operations smoother, while braking pressure can be adjusted for various types of excavation work.

Slow speed control for single boom hoisting

Independent fine-speed control of the boom is provided for greater precision of the work radius. Stepless adjustment is available from low to high speeds.

Eco winch mode with high-speed winching and low-fuel consumption

Also included is a new Eco winch mode, which allows high line speeds under light loads without having to increase the engine speed (low rpm). This mode delivers outstanding workability in situations such as high-elevation construction sites and multiple rope hanging operations and also limits fuel consumption and noise as engine speed can be kept at a minimum.

Better swing feel

The electrohydraulic system has been redesigned to increase the swing speed as well as make swinging smoother for a greater level of control. A swing neutral free/brake mode selector (cannot be installed later)* as well as a swing brake operation pedal* are also available for a level of control exactly as intended by the operator.

* Optional

Swing mode selector switch

*Photos may differ to the specifications of available products.

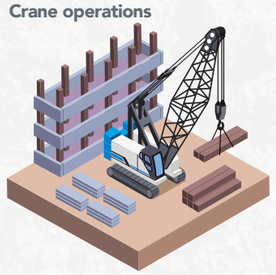
SCX550-3 UTILITY

Excellence with any operation. Superior mobility and versatility.

A high level of power and mobility all in a compact body means the SCX550-3 delivers excellent results anywhere, from ordinary crane operations to foundation work and excavation.
Reduction counter weight specification (optional) and other configurations are available to help streamline transportation and assembly, which further increases efficiency and versatility on work sites.

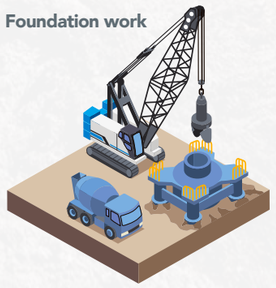
Capable on any type of site, any type of work

Crane operations



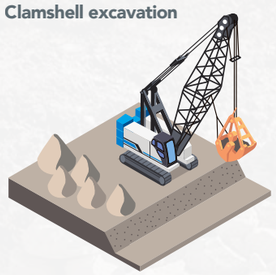
Ample lifting capable for up to 55 t loads means quick and smooth operations, from the delicate control required for hoisting loads off the ground, to high-precision inching work.

Foundation work



High-load foundation work can be completed easily with the superior control and high rigidity body of the SCX550-3. Wide winch drums mean adds stability to operations.

Clamshell excavation



The superior pedal and hoisting lever control system make bucket work like clamshell and drag line operations smooth and stress-free.

Transportation width kept to 3.2 m

The crawler retractors mean the width of the crane during transportation can be kept to 3.2 m (100 mm less than the previous model). This design also ensures greater transportation options are available using 3.2 m-wide trailers. Retractor lock pins can be accessed from outer side of the crane body for greater work safety.

Multi-use reduction counter weight specification OPTION

Reduction counter weight specification is available as an optional extra (with counter weight detector) to provide added flexibility for a diverse range of worksites such as on platforms or bridges with weight restrictions. The SCX550-3 can work on even more work sites with counter weights reduced.

Counter weight	Std	-1 layer	-2 layers
Total operating weight	56.1 t	52.6 t	46.2 t
Ground contact pressure	70.0 kPa	65.7 kPa	57.7 kPa

Note: Reduction counter weight specifications are configured to suit crane specifications excluding the crane jib.

Newly designed shoe tension unit

An oil pump type shoe tension unit has been used for the first time to make injecting oil easier, which enhances maintenance work compared to the previous grease pump type.

Counter weight & boom hanging lugs

A horizontal type counter weight for piling weights flatly has been newly used, together with hanging lugs mounted on the boom top, boom and boom insert to help streamline the assembly process. A boom connection pin holder has been installed for the boom top, boom and boom insert, and a bridle storage clip installed on the gantry.

Boom hanging lugs

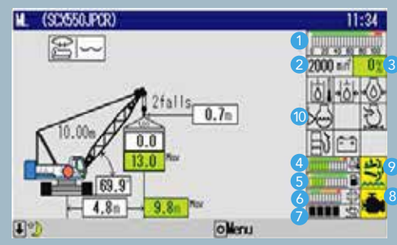
Connection pin holder

SCX550-3 SAFETY

Reliable and precise. Advanced safety features for the unexpected.

The highest level of safety is the utmost priority. A simple and concise user interface ensures that information is provided to the operator as reliably as possible. The SCX550-3 is equipped with a host of warnings and redundant safety devices to ensure protection when it is needed. Enhanced safety systems provide greater reassurance and peace of mind during work.

Moment limiter display



1. Load ratio indicator (%)
2. Engine speed
3. Load ratio (%)
4. Water temperature (engine coolant)
5. Fuel gauge
6. Soot level gauge
7. Urea fluid gauge
8. Engine trouble alarm (yellow)
9. Urea SCR system display
10. Warning icons

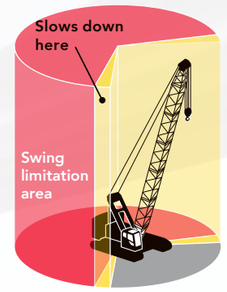
Moment limiter with large screen display

A large screen display has been used offering excellent visibility and field of view of any job. A host of items can be shown, while a simple display layout ensures that information is provided to the operator properly. The display has also been designed with an interactive interface to follow any movement of the crane from a safety perspective, which helps to limit unintended operations and maintain utmost safety.

ML Anti-two block

A new anti-two block using a lifting height indication device is offered as a standard equipment. When a height restriction is set in advance in the lifting height meter, the slowdown function will kick in as the restricted height is approached to prevent hook overhoist. Together with the anti-two block switch, the lifting height moment limiter provides a redundant level of safety against hook overhoist, leading to improved safety.

Note) This function plays a supplementary role to the existing moment limiter and use of this equipment alone is prohibited by laws and regulations.



Swing restriction unit* OPTION

The swing restriction unit prevents the crane from swinging into objects by allowing the swing range to be preset, and notifying the operator of the swing range and automatically stopping the crane when required. Together with the restricted swing range function, the result is an added level of safety when working in tight areas.

* Available as an option in a combination with the swing neutral free/brake mode selector switch (cannot be installed later).

Drum and rear monitoring camera OPTION

An optional drum and rear monitoring camera is useful for keeping an eye on winch conditions. The switchable camera view makes it easy to monitor the movement of each section (6 areas) of the crane. The camera also has a magnetic mount so that it can be relocated for better visuals to suit any working environment.

Rear view monitor camera

Designed for safe operation

The auto drum lock function is equipped as standard, to automatically apply the drum lock to the hoisting winch when the hoisting lever is in the neutral position. Various warnings and alerts provide warning alarm buzzers to the operator and others nearby to minimize accidents caused by carelessness. Hand rails (folding) are also included as standard for greater safety during maintenance.

Other safety functions and devices

- Three color percentage indicator
- Anti-two block
- Gate lock lever
- Engine emergency stop switch
- Winch drum lock (front/rear)
- Independent winch operation lever locks

★Photos may differ to the specifications of available products.

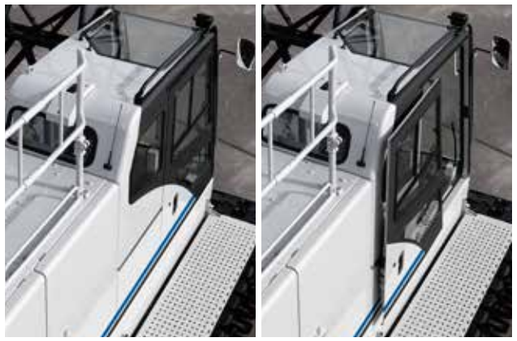
Supreme visibility and functionality for greater comfort, greater safety.

Designed to make the stressful job of operators, more stress-free and more comfortable. Excellent visibility is just the start, and with easy-to-use accessories and an ergonomic control layout, the SCX550-3 is designed to make things smooth. These all help to reduce operator fatigue, while at the same time increasing comfort and functionality for maximum performance, day-in, day-out.

Gripping bar (for cab sidestep) is optional.

Better visibility in all directions

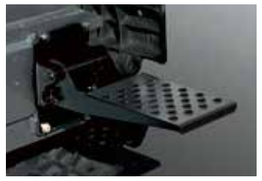
The cab has extra-wide windows to improve visibility in all directions. Green tinted safety glass has been used all round to protect the operator from UV rays and objects that may have come free during operation. The wipers now sweep a greater area to make work easier, even when working in rain.



New large sliding door

A sliding door and wide platform have been implemented to reduce the amount of space required when opening and closing the door, which makes getting in and out of the cab a breeze. Access steps are also installed on the crawler side frame.

Various items for more comfortable work



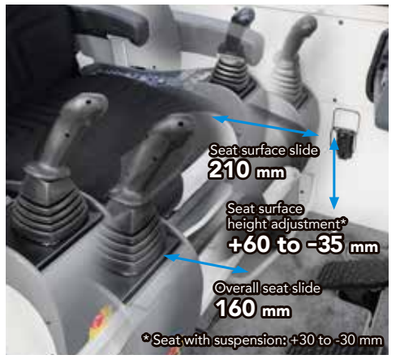
Up/down steps

Wipers with greater sweep area

Sunshade

Cab roof window guard

The photo is a different color to the standard color (black).



Wide range of seat adjustments

Full-flat design for resting

Highly-functional seat for optimum work position

The new seats are designed with the ideal shape for a more comfortable seating position. The wide range of seat adjustments means it suits any body shape, for the best work and a relaxing posture. A seat with suspension is available as an optional extra.

Control levers with drum rotation sensor

Control levers are designed for better operation with optimization made to the pitch, and a winch drum rotation sensor is also included. Any rotation in the winch is conveyed to the operator via the levers, for full control required for precision hoisting jobs. The result is smooth winching where accuracy is vital, such as positioning bolts with the crane.

Upper cabin controller

Controllers for the wipers, work lights, drum lock and other functions have been installed higher up near frequently used controls for a more natural layout.

Useful and functional interior accessories

Outside-air intake air-conditioner

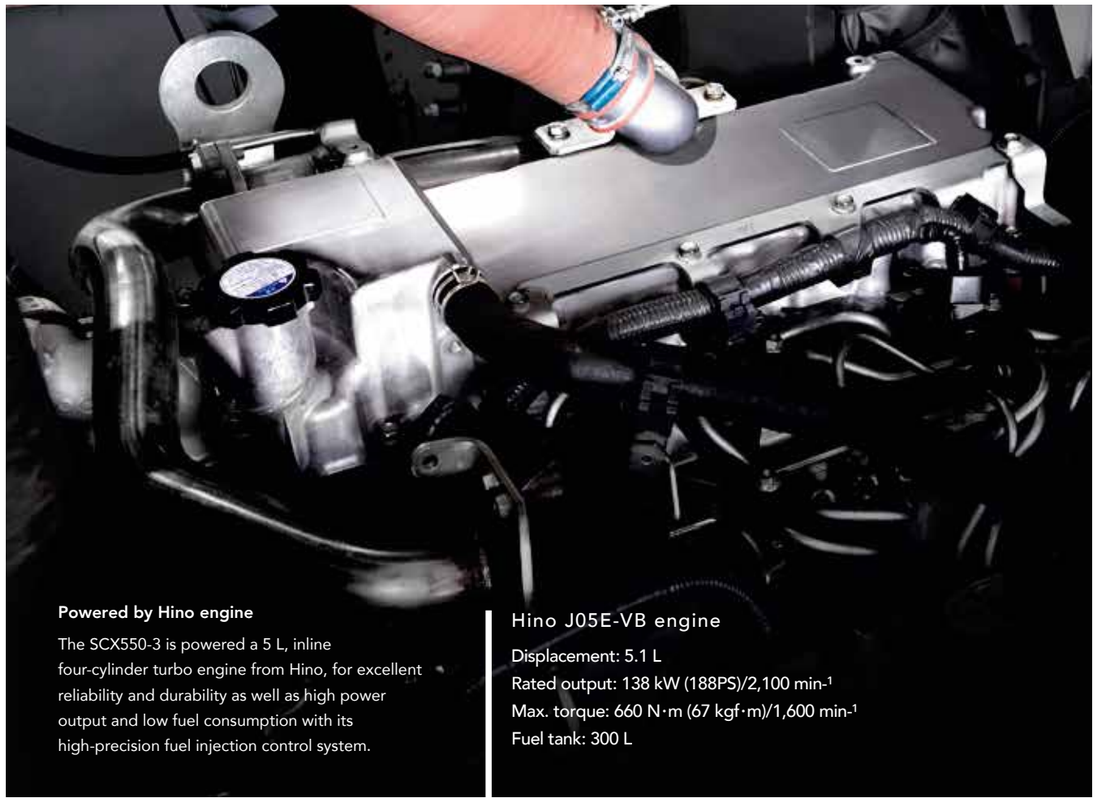
Cup holder

AM/FM radio (with clock)

Storage shelf

The highest level of clean performance.
Environmentally-friendly design to redefine mankind and society.

It is fitting that the most advanced technology is installed in a machine designed to redefine the future of society.
The SCX550-3 brings together a new cleaner running engine and advanced control system (ECO winch mode, auto idle stop function) for energy-efficient operation. Compliant with EU Stage V exhaust gas emission regulations, the SCX550-3 also offers exceptional fuel efficiency and outstanding operation and control.



Powered by Hino engine

The SCX550-3 is powered a 5 L, inline four-cylinder turbo engine from Hino, for excellent reliability and durability as well as high power output and low fuel consumption with its high-precision fuel injection control system.

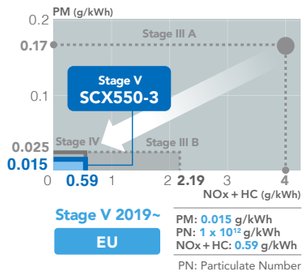
Hino J05E-VB engine

Displacement: 5.1 L
Rated output: 138 kW (188PS)/2,100 min^{-1}
Max. torque: 660 N·m (67 kgf·m)/1,600 min^{-1}
Fuel tank: 300 L

New clean engine

The new clean engine featuring the advanced eco technology “DPR and Urea SCR System” compliant with EU Stage V exhaust gas emission regulations. Compared to the previous model (Stage III A), emissions of NOx (nitrogen oxides) and PM (particulate matter) have both been reduced by approximately 90%. In addition to the lowest level of exhaust gas emissions, lower fuel consumption also helps to cut down on CO_2 emissions. The SCX550-3 represents the path of evolution into a more eco-friendly machine.

■ **Clean performance (EU**130kW≦560kW**)**



Stage V includes newly proposed limits on particle number.

Urea tank

DPR + Urea SCR

DPR + Urea SCR system

A DPR (muffler filter) and Urea SCR system are installed as the exhaust gas aftertreatment device. The initial muffler filter reduces PM emissions, while the secondary Urea SCR system reduces NOx emissions. The Urea SCR system injects AdBlue® (urea fluid) into the exhaust gas to break down NOx gases into harmless water and nitrogen via a chemical reaction. Treating the NOx in the exhaust helps to maintain the engine’s high combustion efficiency, which increases its fuel efficiency and power output.

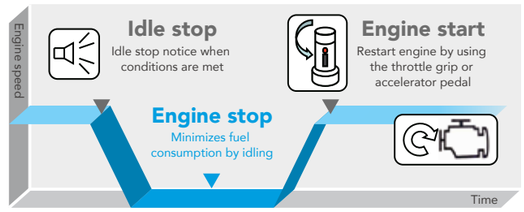
AdBlue® is a registered trademark of the German Association of the Automotive Industry.

Precautions with the new clean engine

● Always use diesel for the fuel, specified lower ash oil (E6, E9 〈ACEA〉 class) for the engine oil, and specified engine coolant. The DPR + Urea SCR System may undergo automatic regeneration (cleaning) to maintain its performance level.

Other fuel efficiency technology

Auto idle stop function
Minimizes excess fuel consumption during work



A new auto idle stop function is available for energy-efficient operation and minimal exhaust gas emissions. This prevents unnecessary idling during work to help reduce fuel consumption and limit the level of wear throughout various components. There is no impact on work, as the function stops the engine if the switch is ON and the required conditions are met, and restarts the engine when the accelerator is used.

ECO winch mode (see page 5 for details)
Reducing wastage during light load work, increasing productivity

ECO winch mode switch

Fuel economy has been improved drastically when winching up and down with light loads. This design ensures energy-efficient operation over repetitive movements or working with loads at heights.

Exceptional peace of mind and convenience for worksites.

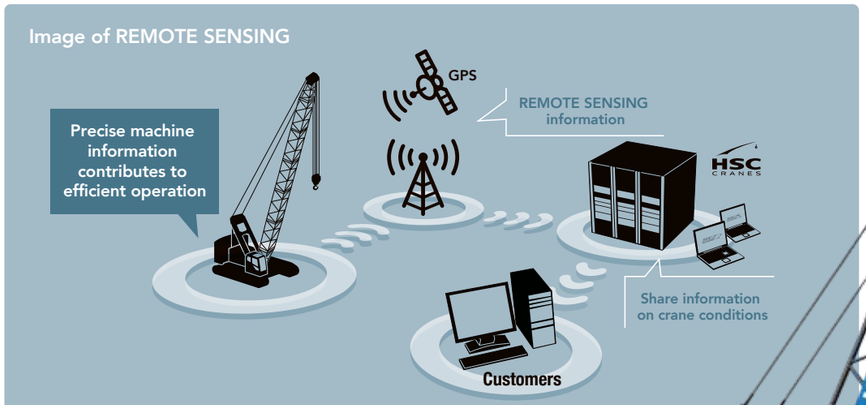
REMOTE SENSING

"REMOTE SENSING" system installed as standard

Precise monitoring of the crane's operating condition to minimize downtime and ensure accurate maintenance. Keeping machines in the best possible operating condition helps to improve operating efficiency, while also reducing the time and cost required for maintenance.

Store data on machine conditions and operations, remote management
(total operating time management, position information with GPS, operating condition management such as work conditions)

- Minimize downtime
- Accurate maintenance
- Better safety

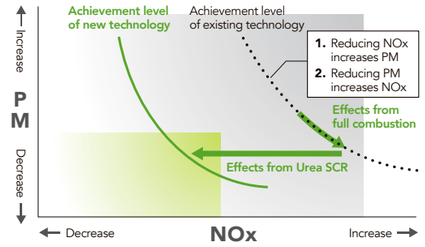


★Photos may differ to the specifications of available products.

Advanced eco-friendly "Urea SCR System" technology

The SCX550-3 meets the latest emissions regulations, and uses a DPR (muffler filter) and the advanced eco-friendly "Urea SCR System" technology.
The Urea SCR System achieves both lower exhaust gas emissions and lower fuel consumption.
The reduction in fuel use helps to prevent global warming (reduced CO_2 emissions).

Approach to reducing exhaust gas emissions

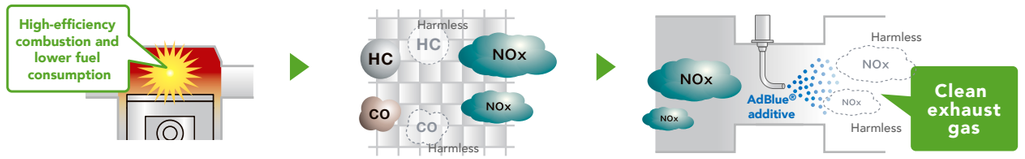


Urea SCR System design

1 Reduces fuel consumption and limits PM generation with high-efficiency engine combustion

2 Oxidizes HC (hydrocarbons) and CO (carbon monoxide) from the engine with an oxidation catalyst

3 Injects AdBlue® into the exhaust gas. Breaks down NOx to harmless water and nitrogen



This image is to highlight the effects of the system, and has been exaggerated for illustration purposes.

What is AdBlue®?

The trademark of a high-quality urea aqueous solution standardized in Europe for using the Urea SCR System.

AdBlue®

AdBlue® is a registered trademark of the German Association of the Automotive Industry.

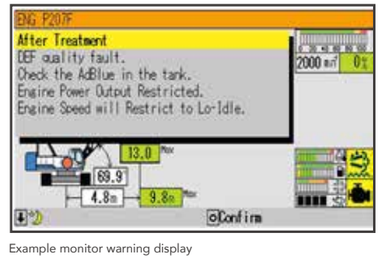
Refilling frequency
Once per two refuelings

The SCX550-3 requires AdBlue® to be refilled once every two times the machine is refueled.
(AdBlue® consumption may vary slightly depending on operating conditions)

Precautions with machines installed with the Urea SCR System

To ensure that the machine can be used safely and smoothly, use AdBlue® aqueous solution (or a urea aqueous solution that complies with JIS or ISO standards). Using a non-standard aqueous solution or diluting the solution before use may cause mechanical problems. Malfunctions arising from the use of non-standard aqueous solutions are not covered by the HSC warranty service.

● The remaining AdBlue® level can be checked during work on the monitor display (Moment Limiter) in the cab. A warning is displayed on the monitor when the remaining level becomes low or there is an issue with quality. ● The engine power output will be limited if the remaining AdBlue® level falls below the minimum level or there is an issue with quality, so be sure to plan refills in advance. ● The Urea SCR System is designed exclusively for the machine, and must not be used for any other purpose. ● Rinse with water any solution that comes in contact with skin. ● When storing the solution, always use sealed containers and store at room temperature in a well-ventilated location out of direct sunlight. When carrying the solution, always use the container that the solution was purchased in, or other specified container. ● The Urea SCR System includes a heater function, however sufficient care must be taken to prevent freezing when the solution is stored in cold regions (freezing temperature: -11°C) ● Read the instruction manual for more details.



Example monitor warning display

SCX550-3
Stage V

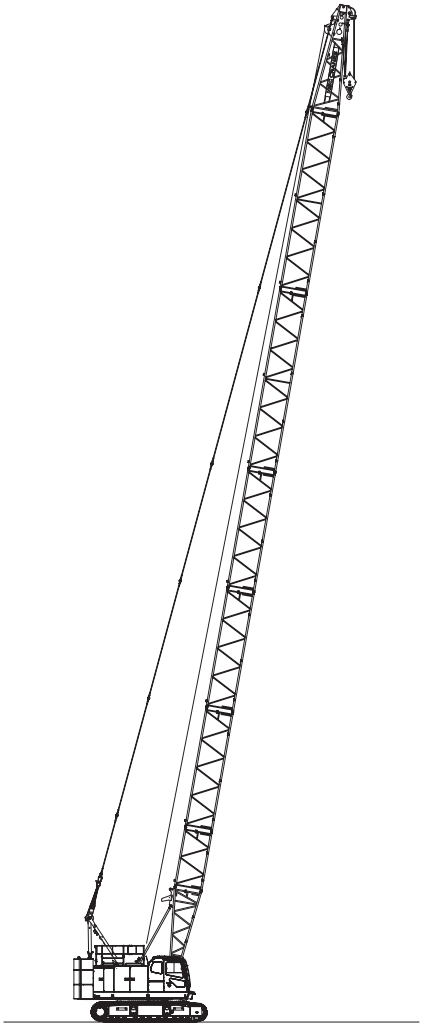
HYDRAULIC CRAWLER CRANE
European specifications

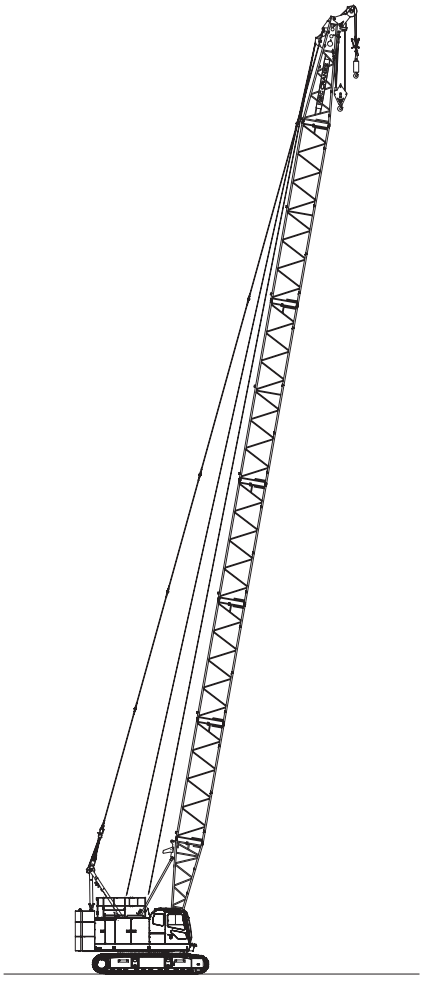
HSC CRANES

Variation of The Attachment

Line Speed*	Front/Rear Winch (Rated with 6.5 t load)	m/min	110 (53)
	Boom Hoist Winch		60
Swing Speed		min^{-1} (rpm)	4.2
Travel Speed High/Low *		km/h	1.9/1.5
Gradeability		% (Degree)	40 (22)
Engine Model			HINO J05E-VB (Stage V)
Engine Rated Output Power		kW/min^{-1} (ps/rpm)	138/2100 (188/2100)

Note : Speeds marked with "*" may vary depending on load applied.



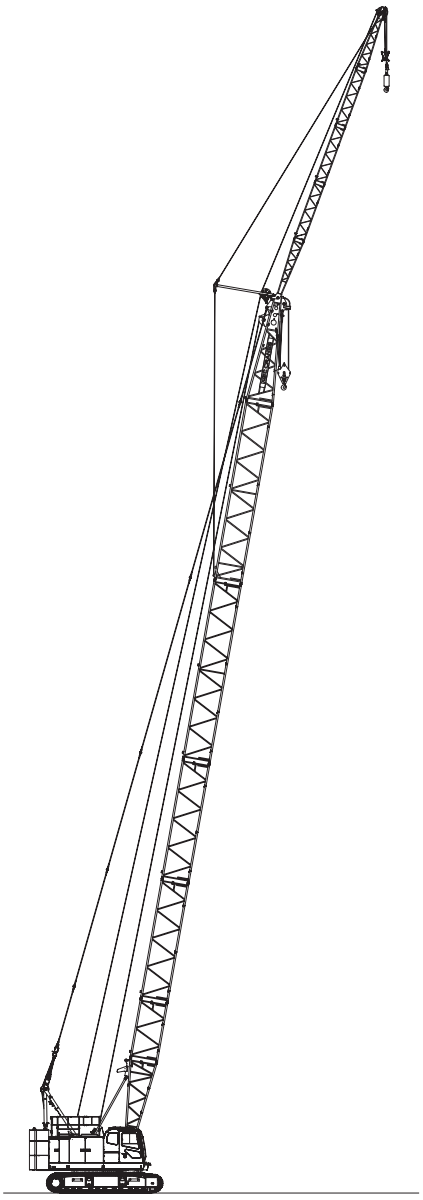


Crane Specification (Boom Longest Length)

Boom Length	m	10 to 49
Ground Contact Pressure	kPa (kgf/cm²)	73.2 (0.75) Boom longest length +15 t hook + handrails (folding type) + catwalk
Overall Operating Weight	t	Approximately 58.6 Boom longest length +15 t hook + handrails (folding type) + catwalk

Crane Specification (Boom Longest Length with Aux. Sheave)

Boom Length	m	13 to 46
Ground Contact Pressure	kPa (kgf/cm²)	73.0 (0.75) (Boom longest length + 15 t aux. sheave + 6.5 t hook attached + handrails (folding type) + catwalk)
Overall Operating Weight	t	Approximately 58.5 (Boom longest length + 15 t aux. sheave + 6.5 t hook attached + handrails (folding type) + catwalk)



Crane Specification
(Boom Longest Length with Crane Jib)

Boom Length	m	22 to 43
Crane Jib Length	m	6 to 15
Boom + Crane Jib Longest Length	m	43 + 15
Ground Contact Pressure	kPa (kgf/cm²)	73.9 (0.75) (Boom + crane jib longest length 15 t + 6.5 t hook attached + handrails (folding type) + catwalk)
Overall Operating Weight	t	Approximately 59.2 (Boom + crane jib longest length 15 t + 6.5 t hook attached + handrails (folding type) + catwalk)

VARIATION

SPECIFICATIONS

TECHNICAL DATA

Specifications

Engine

Model	HINO J05E-VB
Type	4-cycle, Water-cooled, Direct injection, Turbo-charged, Diesel engine
Displacement	5.123 l
Rated Output	138 kW/2,100 min^{-1} (188 ps/2,100 rpm)
Fuel Tank Capacity	300 l
Notes	Compliant with the engine emission gas regulations for EU Stage Ⅴ. Engine rated horsepower is based on the international rating formula which includes necessary horsepower for engine alternator drive but excludes engine fan drive.

Control

Control System	Main actuators are actuated by main hydraulic system controlled with pilot hydraulic system. Safety devices are securely operated by combined various electronic control with hydraulic system. Working speed can be precisely controlled according to control lever stroke and control dials depending on work.
Control Levers	Designed and positioned based on ergonomics. Cross operation lever type is standard. Front lever type is available as option.
Display Panel Design	8 inches size. Located to check work state easily without disturbing the view of the operator.

Hydraulic System

Hydraulic Oil Tank Capacity	230 l		
Hydraulic Pump Capacity	Maximum pressure	29.4 MPa	
	P1	233 l/min	for Front, Rear, boom hoist winch and travel
	P2	233 l/min	for Front, Rear and travel
	P3	153 l/min	for Swing
	P4	43 l/min	Pilot control, Brake cooling, Reeving winch, Hydraulic tagline, etc
	P5	34 l/min	

Winch

Front and Rear Winch				
Winch		Front	Rear	
Rope Diameter		22 mm	22 mm	
Rope Length	Standard	185 m	120 m	for Aux. sheave
		-	120 m	for Crane jib
	Winding Capacity	324 m	324 m	
Line Pull	Rated	63.7 kN	63.7 kN	
Notes		High-speed winching is possible by ECO winch mode with low engine speed under light loads. Free fall winch with brake controlled by pedal operation.		

Boom Hoist Winch		
Rope Diameter		16 mm
Rope Length	Incorporated	135 m
Note		Hydraulic motor with multi-disc brakes.

Swing System

Consists of a hydraulic motor with reduction gear and multi-disc brakes as well as a swing bearing which has an inner tooth. The optional swing brake pedal enables operators to control swinging operation precisely.

Gantry

Box structure composed of steel square and rectangular tubes for general structure.

Counter Weight

Counter Weight	Total Weight	18.6 t
	8.7 t Base Weight	1
	6.4 t Insert Weight	1
	1.7 t Top Weight (Right)	1
	1.8 t Top Weight (Left)	1

Carbody

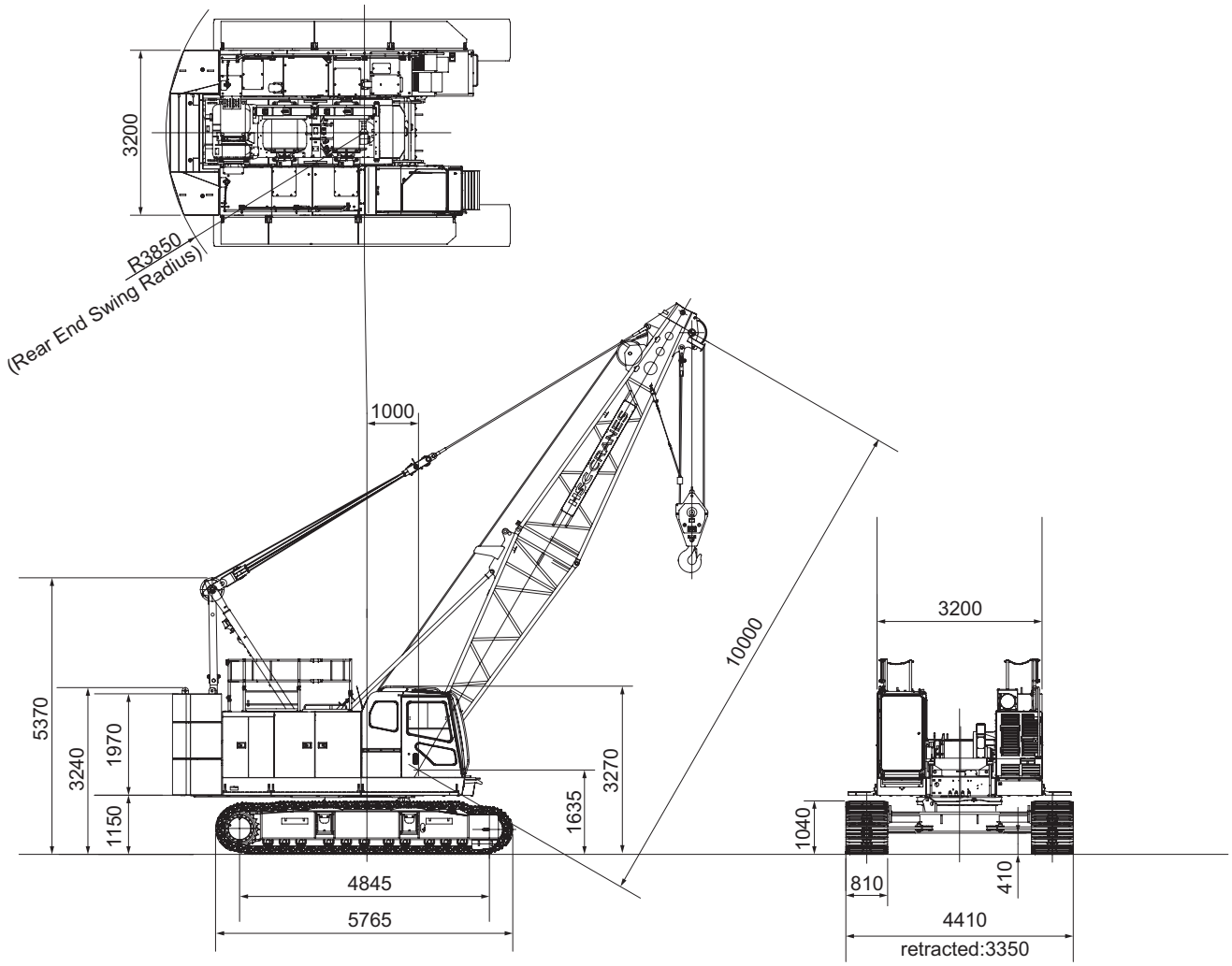
Welded steel construction with crawler sideframe extend-retract cylinders.

Crawler Sideframe

Frame	Welded steel box construction	
Shoe	Link type 810 mm each side	
Upper Roller	2 pieces each side	
Lower Roller	12 pieces each side	
	Forging heat treated steel with double flange type. 2 plane bearings with floating seal for lifetime lubrication.	
Travel Device	1 peace each side.	
	Hydraulic travel device (Hydraulic motor and reducer)	
	Travel speed (Gradability : 40%)	High : 1.9 km/h
		Low : 1.5 km/h

Crane Specifications

Dimensions and Specifications



Crane Specifications		
Max. Lifting Load × Working Radius	t×m	55 × 3.7
Basic Boom Length	m	10
Max. Boom Length	m	49
Crane Jib Length	m	6 to 15
Max. Boom + Jib Length	m	43 + 15
Ground Contact Pressure	kPa (kgf/cm²)	70.0 (0.71) (w/Basic Boom, 55 t Hook, Handrails (Folding type), Catwalk)
Overall Operating Weight	t	Approximately 56.1 (w/Basic Boom, 55 t Hook, Handrails (Folding type), Catwalk)

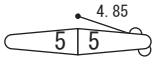
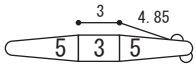
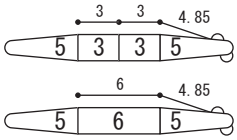
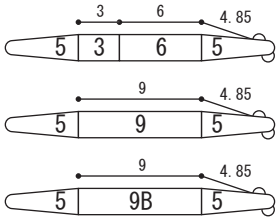
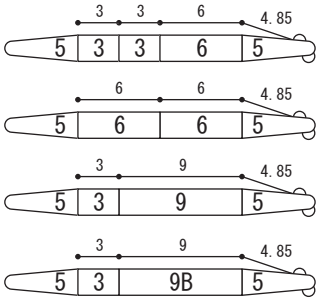
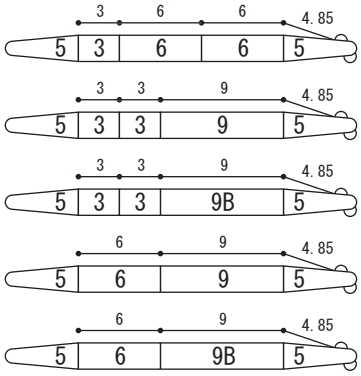
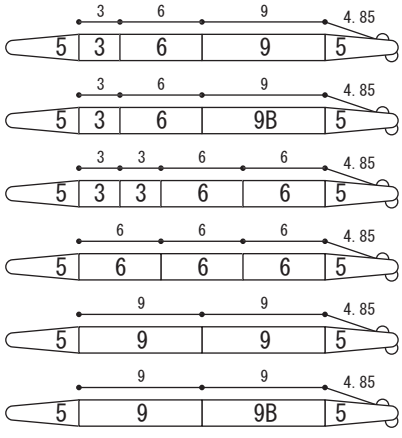
Note : Data is expressed in SI units followed by conventional units in ( ).

Hook Weight	
55 t	850 kg
30 t	360 kg
15 t	320 kg
6.5 t	180 kg

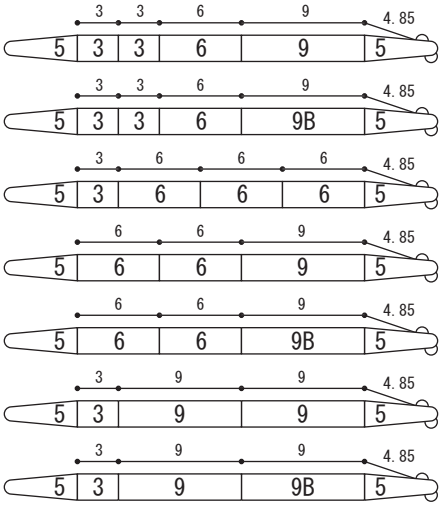
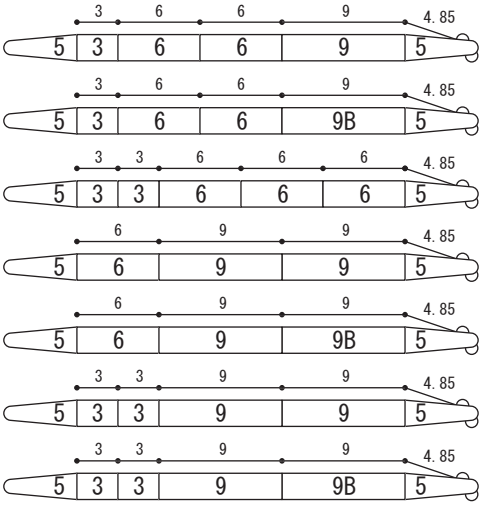
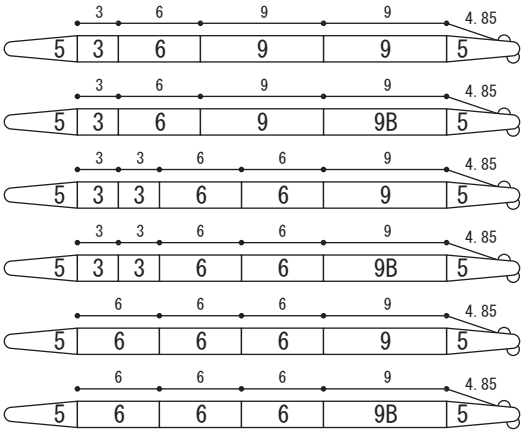
Front/Rear Winch Rope No. of Falls and Lifting Load									
Hook Capacity (t)	Maximum Rated Load (t)								
	9 falls	8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
55	55.0	52.0	45.5	39.0	32.5	26.0	19.5	13.0	-
30	-	-	-	-	30.0	26.0	19.5	13.0	-
15	-	-	-	-	-	-	15.0	13.0	-
6.5	-	-	-	-	-	-	-	-	6.5

Boom and Crane Jib Configurations

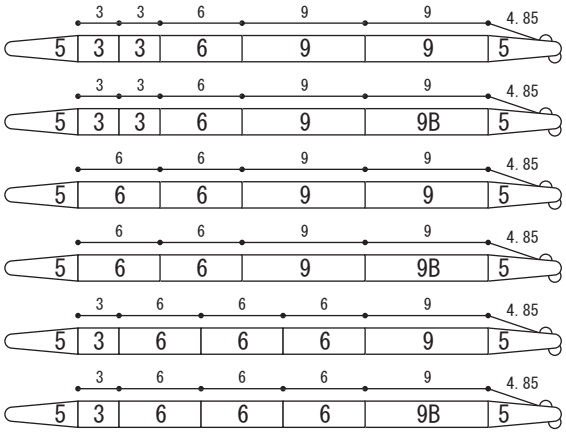
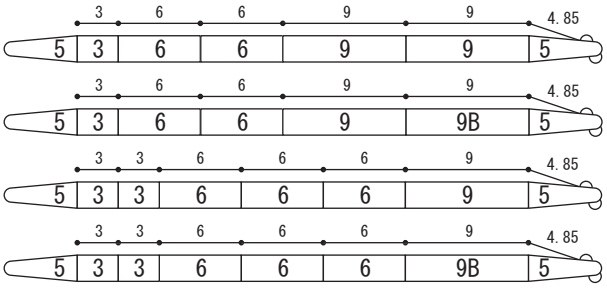
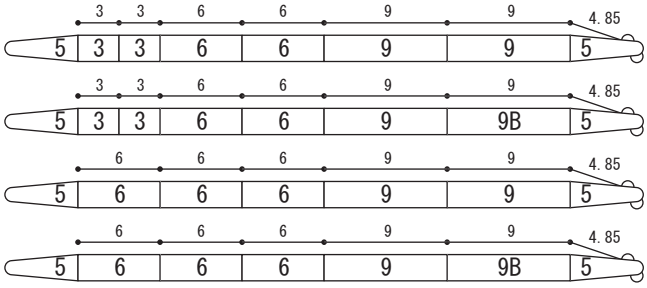
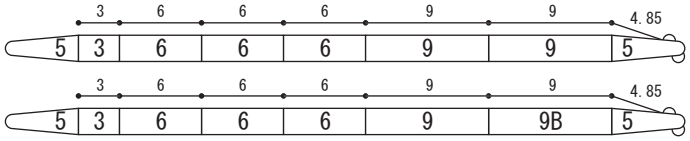
Boom 1/3

Boom Length (m)	Boom Configurations
10	
13	
16	
19	
22	
25	
28	

Boom 2/3

Boom Length (m)	Boom Configurations
31	
34	
37	

Boom 3/3

Boom Length (m)	Boom Configurations
40	
43	
46	
49	

Aux. Sheave Installable Boom Length

Boom Length (m)	10	13	16	19	22	25	28	31	34	37	40	43	46	49
With Aux. Sheave	×	○	○	○	○	○	○	○	○	○	○	○	○	×

(○: Attachable ×: Not Attachable)

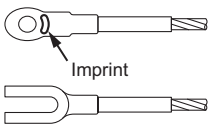
Check the pendant rope with referring to the imprints on the rope end.

Dimensions Not Shown In The Figure

Symbols	Boom Length (m)	Note
3	3	
5	5	
6	6	
9	9	
9B	9	When equipped with crane jib

Pendant Rope

Length (m)	Rope Diameter (mm)	Imprint
3	28	□・△・28・3・C
4.85	28	□・△・28・4.9・C
6	28	□・△・28・6・C
9	28	□・△・28・9・C



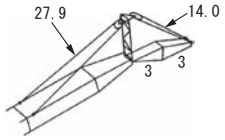
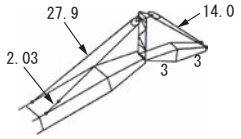
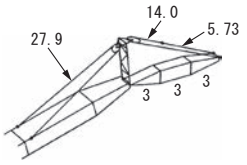
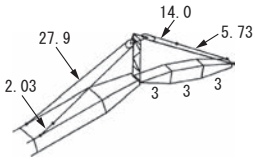
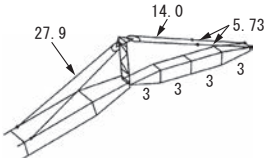
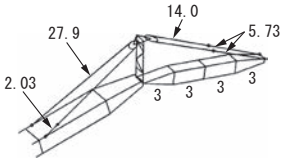
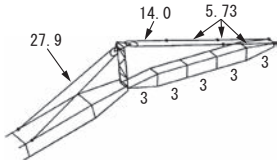
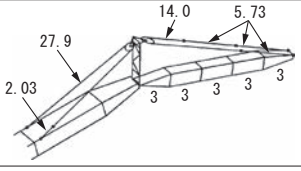
Combination of Boom and Crane Jib (Offset Angle 10° and 30°)

Combination of Boom and Crane Jib (Offset Angle 10° and 30°)

Boom Length (m)		10	13	16	19	22	25	28	36	31	34	37	40	43	46	49
Jib Length (m)	6	×	×	×	×	○	○	○	○	○	○	○	○	○	×	×
	9	×	×	×	×	○	○	○	○	○	○	○	○	○	×	×
	12	×	×	×	×	○	○	○	○	○	○	○	○	○	×	×
	15	×	×	×	×	○	○	○	○	○	○	○	○	○	×	×

(○: Attachable ×: Not Attachable)

Crane Jib (Offset Angle 10° and 30°)

Crane Jib Length (m)	Offset Angle	Crane Jib Configurations
6	10°	
	30°	
9	10°	
	30°	
12	10°	
	30°	
15	10°	
	30°	

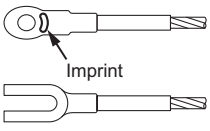
Check the pendant rope with referring to the imprints on the rope end.

Dimensions Not Shown In The Figure

Symbols	Jib Length (m)
3	3

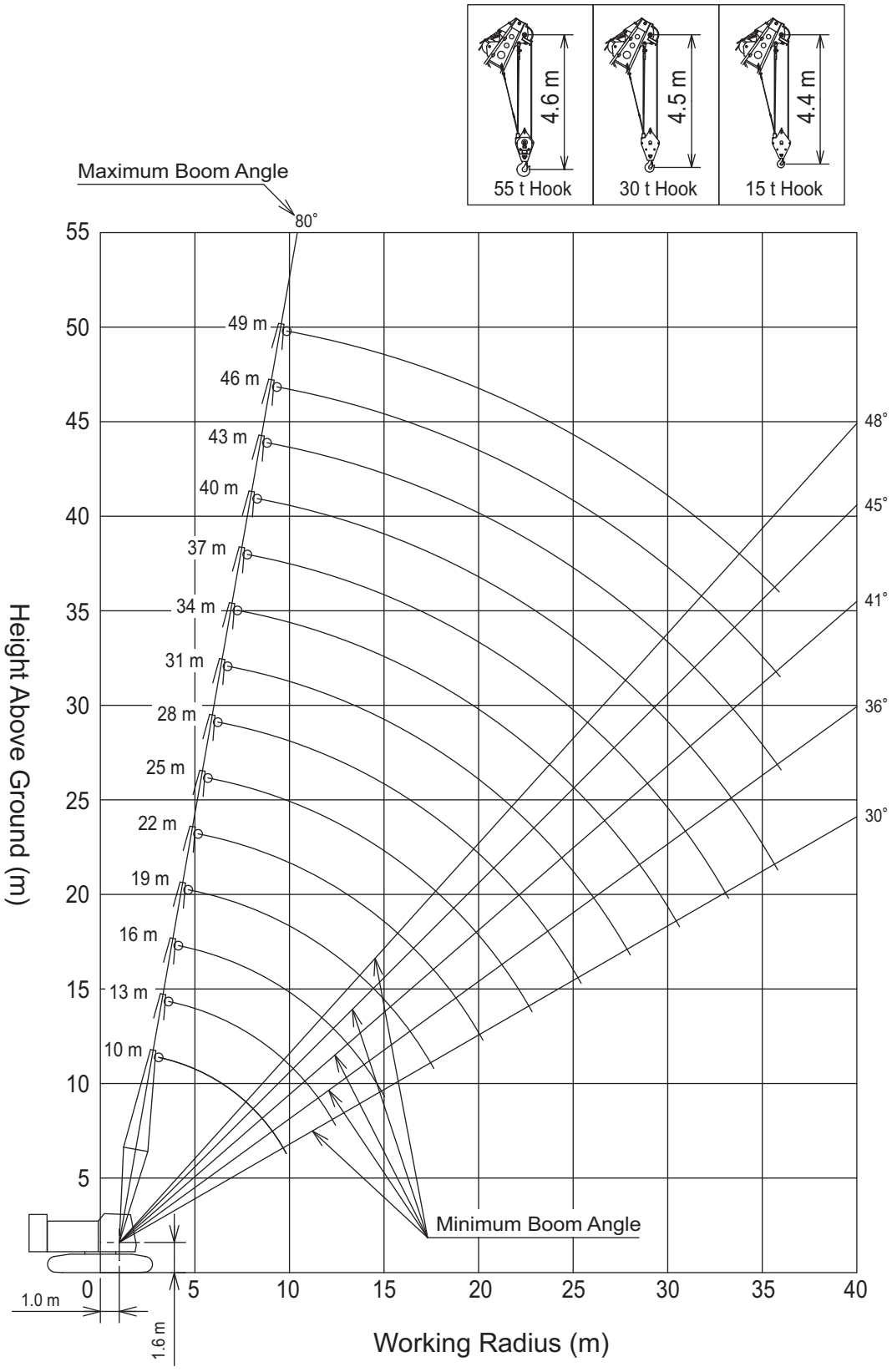
Jib Pendant Rope

Length (m)	Rope Diameter (mm)	Imprint
2.03	20	□・△・20・2.03・C
5.73	20	□・△・20・5.73・C
14.0	20	□・△・20・14.00・C
27.9	20	□・△・20・27.90・C

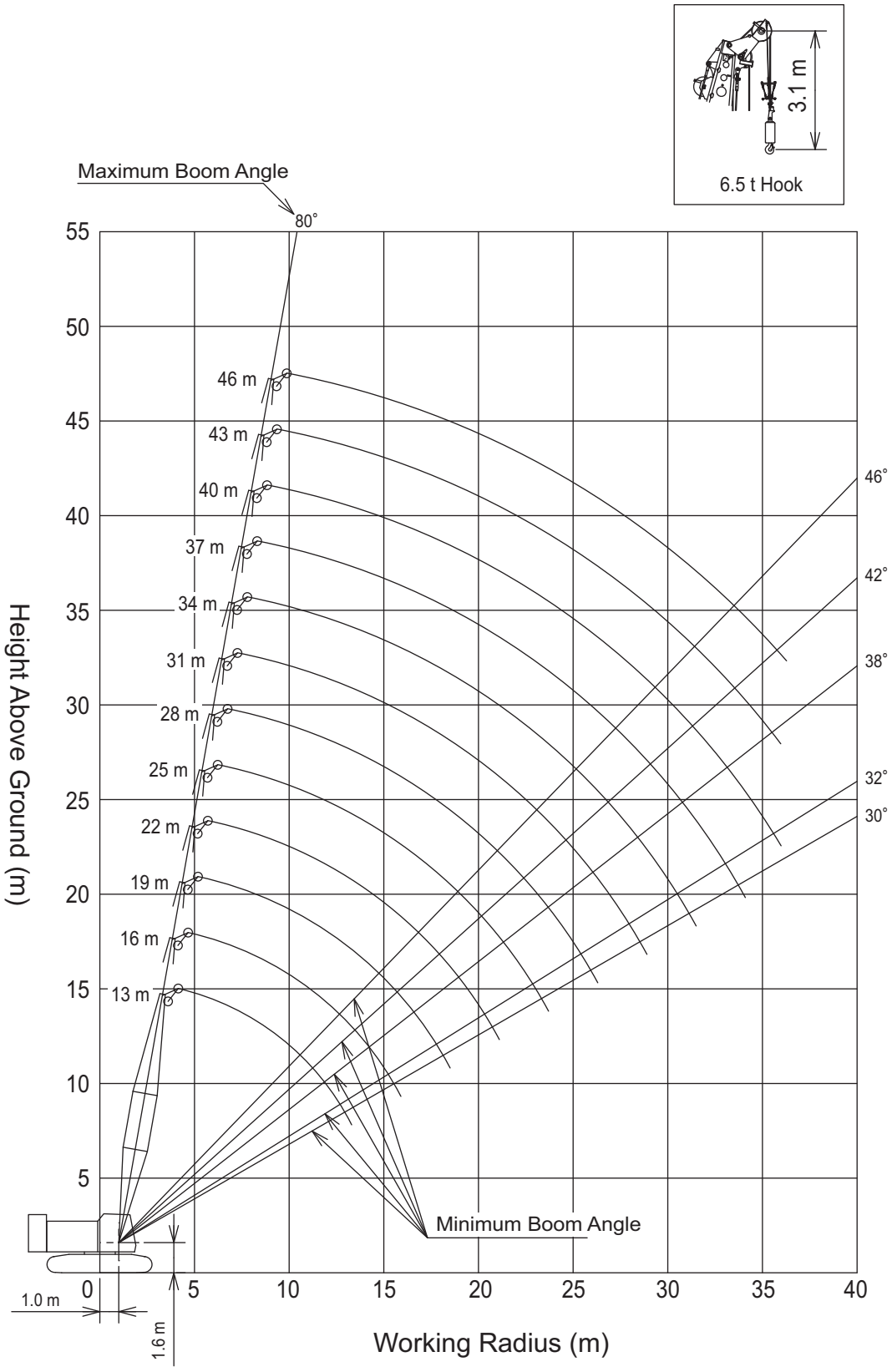


Working Ranges

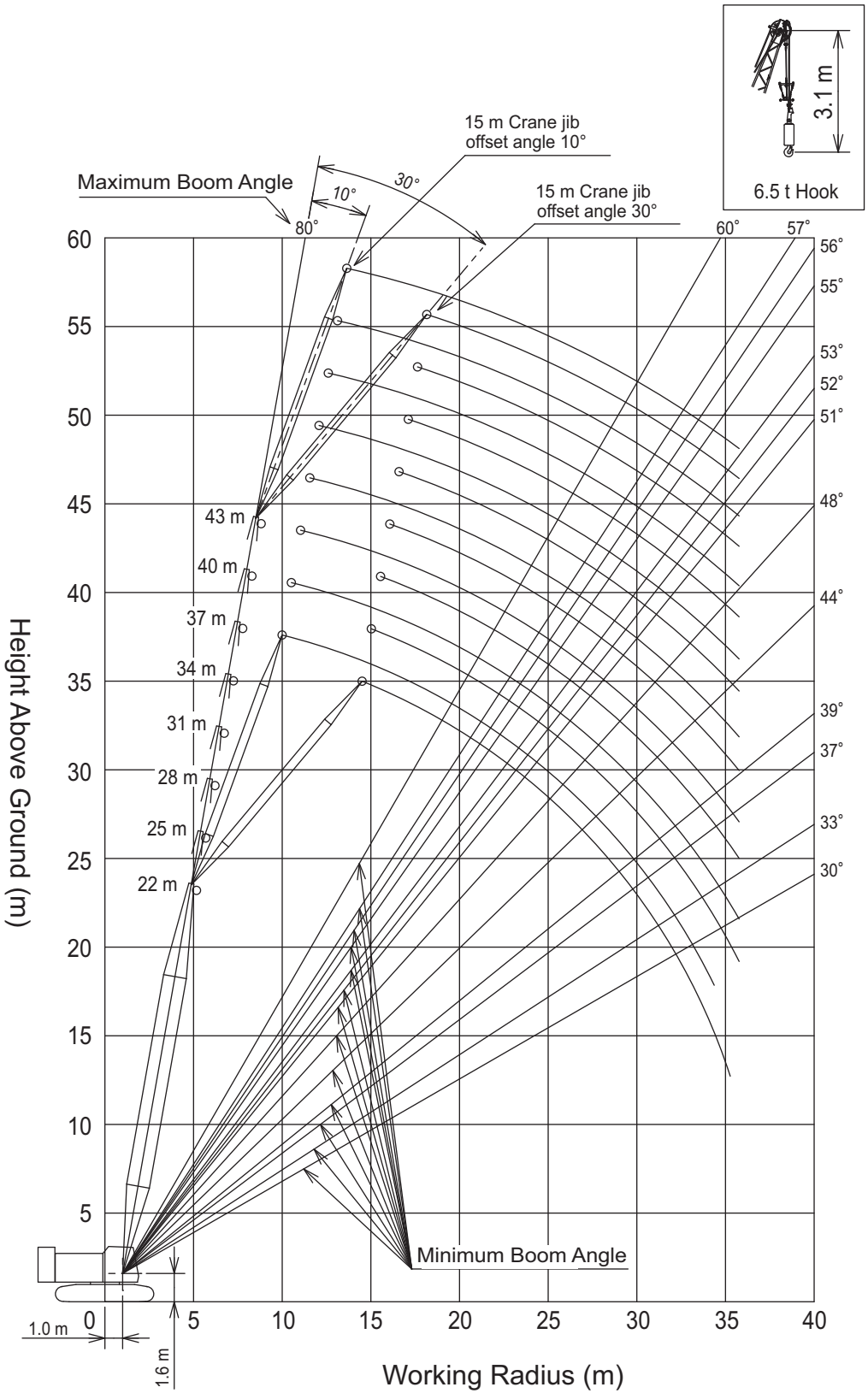
■Main Boom



■Aux. Sheave


3.1 m
6.5 t Hook
Maximum Boom Angle
80˚
46 m
43 m
40 m
37 m
34 m
31 m
28 m
25 m
22 m
19 m
16 m
13 m
46˚
42˚
38˚
32˚
30˚
Minimum Boom Angle
Height Above Ground (m)
Working Radius (m)
1.0 m
1.6 m
0
5
10
15
20
25
30
35
40
45
50
55

■Crane Jib


3.1 m
6.5 t Hook
15 m Crane jib
offset angle 10°
15 m Crane jib
offset angle 30°
Maximum Boom Angle
80°
10°
30°
60°
57°
56°
55°
53°
52°
51°
48°
44°
39°
37°
33°
30°
43 m
40 m
37 m
34 m
31 m
28 m
25 m
22 m
Minimum Boom Angle
Height Above Ground (m)
Working Radius (m)
1.0 m
1.6 m
0
5
10
15
20
25
30
35
40
60
55
50
45
40
35
30
25
20
15
10
5

Gross Rated Load Table

■Main Boom

Unit;t

Working Radius (m)	Boom Length (m)								Working Radius (m)
	10	13	16	19	22	25	28	31	
3		3.7 m x 55.00 t							3
3.5	55.00		4.4 m x 41.70 t						3.5
4	51.20	50.10							4
4.5	42.30	42.20	40.55						4.5
5	35.80	35.75	35.65	34.00					5
5.5	31.05	30.95	30.85	30.55	29.10	6.1 m x 24.95 t	6.7 m x 21.65 t		5.5
6	27.35	27.25	27.20	27.15	26.45			7.3 m x 19.10 t	6
7	22.05	21.95	21.85	21.85	21.75	21.50	20.70		7
8	18.45	18.30	18.25	18.20	18.10	18.05	18.00	17.35	8
9	15.30	15.70	15.60	15.55	15.45	15.40	15.30	15.25	9
10	9.8 m x 12.55 t	13.70	13.60	13.50	13.45	13.40	13.30	13.25	10
12		10.70	10.75	10.65	10.60	10.55	10.45	10.40	12
14		12.4 m x 9.90 t	8.80	8.75	8.65	8.60	8.50	8.45	14
16			15.0 m x 8.00 t	7.35	7.25	7.20	7.10	7.05	16
18				17.6 m x 6.50 t	6.25	6.15	6.05	6.00	18
20					5.45	5.35	5.25	5.15	20
22					20.2 m x 5.35 t	4.70	4.60	4.50	22
24						22.8 m x 4.50 t	4.05	3.95	24
26							25.4 m x 3.75 t	3.50	26
28								3.10	28

Unit;t

Working Radius (m)	Boom Length (m)						Working Radius (m)
	34	37	40	43	46	49	
6	7.8 m x 17.15 t						6
7		8.4 m x 15.40 t					7
8	16.70			9.6 m x 12.40 t			8
9	14.75	14.30	13.80		10.1 m x 11.35 t	10.7 m x 10.35 t	9
10	13.15	12.80	12.35	11.90			10
12	10.30	10.20	10.10	9.75	9.45	9.10	12
14	8.35	8.25	8.15	8.15	7.90	7.65	14
16	6.95	6.85	6.75	6.75	6.65	6.50	16
18	5.90	5.80	5.70	5.65	5.55	5.40	18
20	5.10	5.00	4.85	4.80	4.70	4.55	20
22	4.40	4.30	4.20	4.10	4.00	3.85	22
24	3.85	3.75	3.60	3.55	3.45	3.30	24
26	3.40	3.30	3.15	3.10	2.95	2.85	26
28	3.00	2.90	2.75	2.70	2.55	2.45	28
30	2.65	2.55	2.40	2.35	2.20	2.10	30
32	30.6 m x 2.55 t	2.25	2.15	2.05	1.95	1.80	32
34		33.2 m x 2.10 t	1.90	1.80	1.65	1.55	34
36			35.8 m x 1.70 t	1.55	1.45	1.35	36
38							38

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm and level ground.
2. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
3. To calculate the maximum load that can actually be lifted, deduct weight of all lifting accessories, such as boom hook and jib hook, from figures shown above.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The counter weight is 18.6 t.
6. Figures described as ○○ m x ○○ t in the tables indicate "working radius" m x "rated load" t.
7. Be sure to fully extend the side frames before operating the machine.
8. Correlation between the number of reeved lines, maximum rated loads, hook weights are shown in the table below.
9. When using the 10 m boom with 1 fall, the boom may sway backward. Do not perform this work.

Hook Capacity (t)	Hook Weight (t)	Maximum Rated Loads (t)							
		9 falls	8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls
55.0	0.85	55.00	52.00	45.50	39.00	32.50	26.00	19.50	13.00
30.0	0.36	-	-	-	-	30.00	26.00	19.50	13.00
15.0	0.32	-	-	-	-	-	-	15.00	13.00

■Aux. Sheave

Unit;t

Working Radius (m)	Boom Length (m)								Working Radius (m)
	13	16	19	22	25	28	31	34	
4.7	6.50	5.2 m x 6.50 t							4.7
5	6.50		5.8 m x 6.50 t						5
5.5	6.50	6.50		6.4 m x 6.50 t					5.5
6	6.50	6.50	6.50			7.5 m x 6.50 t			6
7	6.50	6.50	6.50	6.50	6.50		8.1 m x 6.50 t	8.7 m x 6.50 t	7
8	6.50	6.50	6.50	6.50	6.50	6.50			8
9	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	9
10	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	10
12	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	12
14	13.5 m x 6.50 t	6.50	6.50	6.50	6.50	6.50	6.50	6.50	14
16		6.50	6.50	6.50	6.50	6.50	6.50	6.50	16
18		16.1 m x 6.50 t	6.25	6.10	6.05	5.95	5.90	5.80	18
20			18.7 m x 5.95 t	5.30	5.25	5.10	5.05	5.00	20
22				21.3 m x 4.85 t	4.55	4.45	4.35	4.30	22
24					23.9 m x 4.05 t	3.90	3.80	3.70	24
26						3.45	3.30	3.25	26
28						26.5 m x 3.35 t	2.90	2.85	28
30							29.1 m x 2.70 t	2.50	30
32								31.7 m x 2.25 t	32
34									34

Unit;t

Working Radius (m)	Boom Length (m)				Working Radius (m)
	37	40	43	46	
8	9.2 m x 6.50 t	9.8 m x 6.50 t			8
9			10.4 m x 6.50 t	10.9 m x 6.50 t	9
10	6.50	6.50			10
12	6.50	6.50	6.50	6.50	12
14	6.50	6.50	6.50	6.50	14
16	6.50	6.50	6.50	6.50	16
18	5.70	5.70	5.60	5.50	18
20	4.90	4.80	4.75	4.65	20
22	4.20	4.10	4.05	3.95	22
24	3.60	3.50	3.45	3.35	24
26	3.15	3.05	2.95	2.85	26
28	2.75	2.60	2.55	2.45	28
30	2.40	2.25	2.20	2.10	30
32	2.10	1.95	1.90	1.80	32
34	1.85	1.70	1.65	1.50	34
36	34.3 m x 1.80 t	1.50	1.40	1.30	36
38					38

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm and level ground.
2. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
3. To calculate the maximum load that can actually be lifted, deduct weight of all lifting accessories, such as boom hook and jib hook, from figures shown above.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The counter weight is 18.6 t.
6. Figures described as ○○ m x ○○ t in the tables indicate "working radius" m x "rated load" t.
7. Be sure to fully extend the side frames before operating the machine.
8. Hook mass are shown in the table below.

Hook Capacity (t)	Hook Weight (t)
55.0	0.85
30.0	0.36
15.0	0.32
6.5	0.18

■Main Boom with Aux. Sheave

Unit;t

Working Radius (m)	Boom Length (m)								Working Radius (m)
	13	16	19	22	25	28	31	34	
3.7	54.70	4.4 m x 41.50 t							3.7
4	49.90								4
4.5	41.90	40.40							4.5
5	35.45	35.35	33.90						5
5.5	30.65	30.55	30.40	29.00	6.1 m x 24.90 t	6.7 m x 21.60 t			5.5
6	26.95	26.90	26.85	26.30			7.3 m x 19.10 t	7.8 m x 17.10 t	6
7	21.65	21.55	21.55	21.45	21.40	20.60			7
8	18.00	17.95	17.90	17.80	17.75	17.70	17.30	16.70	8
9	15.40	15.30	15.25	15.15	15.10	15.00	14.95	14.70	9
10	13.40	13.30	13.20	13.15	13.10	13.00	12.95	12.85	10
12	10.40	10.45	10.35	10.30	10.25	10.15	10.10	10.00	12
14	12.4 m x 9.60 t	8.50	8.45	8.35	8.30	8.20	8.15	8.05	14
16		15.0 m x 7.70 t	7.05	6.95	6.90	6.80	6.75	6.65	16
18			17.6 m x 6.20 t	5.95	5.85	5.75	5.70	5.60	18
20				5.15	5.05	4.95	4.85	4.80	20
22				20.2 m x 5.05 t	4.40	4.30	4.20	4.10	22
24					22.8 m x 4.20 t	3.75	3.70	3.60	24
26						25.4 m x 3.45 t	3.20	3.10	26
28							2.80	2.70	28
30								2.40	30
32								30.6 m x 2.30 t	32
34									34

Unit;t

Working Radius (m)	Boom Length (m)				Working Radius (m)
	37	40	43	46	
7	8.4 m x 15.40 t				7
8			9.6 m x 12.50 t		8
9	14.30	13.80		10.1 m x 11.40 t	9
10	12.70	12.40	12.00		10
12	9.90	9.80	9.70	9.40	12
14	7.95	7.85	7.85	7.75	14
16	6.55	6.45	6.45	6.35	16
18	5.50	5.40	5.35	5.30	18
20	4.70	4.60	4.55	4.45	20
22	4.00	3.90	3.90	3.80	22
24	3.50	3.40	3.35	3.25	24
26	3.00	2.90	2.90	2.80	26
28	2.60	2.50	2.50	2.40	28
30	2.30	2.20	2.10	2.00	30
32	2.00	1.90	1.80	1.70	32
34	33.2 m x 1.85 t	1.60	1.55	1.40	34
36		35.8 m x 1.40 t	1.30	1.20	36
38					38

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm and level ground.
2. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
3. To calculate the maximum load that can actually be lifted, deduct weight of all lifting accessories, such as boom hook and jib hook, from figures shown above.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The counter weight is 18.6 t.
6. Figures described as ○○ m x ○○ t in the tables indicate "working radius" m x "rated load" t.
7. Be sure to fully extend the side frames before operating the machine.
8. Correlation between the number of reeved lines, maximum rated loads, hook weights are shown in the table below.
9. Be sure to attach the 55 t hook to the top boom when boom length is 13 m.

Hook Capacity (t)	Hook Weight (t)	Maximum Rated Loads (t)								
		9 falls	8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
55.0	0.85	55.00	52.00	45.50	39.00	32.50	26.00	19.50	13.00	-
30.0	0.36	-	-	-	-	30.00	26.00	19.50	13.00	-
15.0	0.32	-	-	-	-	-	-	15.00	13.00	-
6.5	0.18	-	-	-	-	-	-	-	-	6.50

■Crane Jib

Unit;t

Boom Length (m)	22								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
7	8.1 m x 6.50 t								7
8		9.9 m x 6.50 t	9.3 m x 5.00 t						8
9	6.50			11.9 m x 5.00 t	10.4 m x 4.10 t		11.5 m x 3.30 t		9
10	6.50	6.50	5.00			13.9 m x 4.10 t			10
12	6.50	6.50	5.00	5.00	4.10		3.30	15.9 m x 3.30 t	12
14	6.50	6.50	5.00	5.00	4.10	4.10	3.30		14
16	6.50	6.50	5.00	5.00	4.10	4.10	3.30	3.30	16
18	6.15	6.25	5.00	5.00	4.10	4.00	3.30	3.25	18
20	5.30	5.40	5.00	4.85	4.10	3.75	3.30	3.05	20
22	4.65	4.70	4.70	4.55	4.10	3.55	3.30	2.85	22
24	4.10	4.15	4.20	4.25	4.10	3.35	3.30	2.70	24
26	3.45	3.50	3.75	3.80	3.80	3.20	3.30	2.55	26
28	26.1 m x 3.45 t	26.5 m x 3.35 t	3.15	3.40	3.40	3.05	3.10	2.45	28
30			28.9 m x 3.00 t	29.5 m x 2.85 t	2.90	2.95	2.85	2.30	30
32					31.8 m x 2.55 t	2.65	2.65	2.25	32
34						32.5 m x 2.50 t	2.40	2.20	34
36							34.6 m x 2.05 t	35.5 m x 2.10 t	36
38									38

Unit;t

Boom Length (m)	25								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
7	8.8 m x 6.50 t								7
8			9.9 m x 5.00 t						8
9	6.50	10.5 m x 6.50 t			11.0 m x 4.10 t				9
10	6.50		5.00	12.5 m x 5.00 t			12.1 m x 3.30 t		10
12	6.50	6.50	5.00		4.10	14.5 m x 4.10 t			12
14	6.50	6.50	5.00	5.00	4.10		3.30	16.5 m x 3.30 t	14
16	6.50	6.50	5.00	5.00	4.10	4.10	3.30		16
18	6.05	6.15	5.00	5.00	4.10	4.10	3.30	3.30	18
20	5.25	5.35	5.00	5.00	4.10	3.85	3.30	3.15	20
22	4.55	4.65	4.65	4.75	4.10	3.65	3.30	2.95	22
24	4.00	4.10	4.10	4.20	3.90	3.45	3.30	2.80	24
26	3.55	3.60	3.65	3.70	3.70	3.30	3.30	2.65	26
28	3.00	3.05	3.25	3.30	3.30	3.20	3.15	2.55	28
30	28.7 m x 2.80 t	29.1 m x 2.75 t	2.75	2.95	2.95	3.05	3.00	2.45	30
32			31.5 m x 2.45 t	2.40	2.55	2.75	2.70	2.35	32
34				32.1 m x 2.40 t	2.20	2.30	2.45	2.25	34
36					34.7 m x 1.90 t	35.1 m x 1.95 t	2.05	2.15	36
38									38

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm and level ground.
2. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
3. To calculate the maximum load that can actually be lifted, deduct weight of all lifting accessories, such as boom hook and jib hook, from figures shown above.
4. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
5. The counter weight is 18.6 t.
6. Figures described as ○○ m x ○○ t in the tables indicate "working radius" m x "rated load" t.
7. Be sure to fully extend the side frames before operating the machine.
8. Hook mass are shown in the table below.

Hook Capacity (t)	Hook Weight (t)
55.0	0.85
30.0	0.36
15.0	0.32
6.5	0.18

■Crane Jib

Unit;t

Boom Length (m)	28								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
8	9.4 m x 6.50 t								8
9		11.1 m x 6.50 t	10.5 m x 5.00 t		11.6 m x 4.10 t				9
10	6.50			13.2 m x 5.00 t			12.7 m x 3.30 t		10
12	6.50	6.50	5.00		4.10	15.2 m x 4.10 t			12
14	6.50	6.50	5.00	5.00	4.10		3.30	17.2 m x 3.30 t	14
16	6.50	6.50	5.00	5.00	4.10	4.10	3.30		16
18	5.95	6.10	5.00	5.00	4.10	4.10	3.30	3.30	18
20	5.10	5.25	5.00	5.00	4.10	4.00	3.30	3.20	20
22	4.45	4.55	4.55	4.70	4.10	3.75	3.30	3.05	22
24	3.90	4.00	4.00	4.10	4.05	3.60	3.30	2.90	24
26	3.45	3.50	3.55	3.65	3.60	3.40	3.30	2.75	26
28	3.05	3.10	3.15	3.20	3.20	3.20	3.25	2.60	28
30	2.60	2.60	2.80	2.85	2.85	2.95	2.90	2.50	30
32	31.3 m x 2.30 t	31.7 m x 2.30 t	2.35	2.40	2.55	2.65	2.60	2.40	32
34			2.05	2.10	2.20	2.35	2.35	2.30	34
36			34.1 m x 2.00 t	34.7 m x 2.00 t	1.85	2.10	2.05	2.20	36
38									38

Unit;t

Boom Length (m)	31								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
9		11.8 m x 6.50 t	11.1 m x 5.00 t						9
10	6.50			13.8 m x 5.00 t	12.2 m x 4.10 t		13.4 m x 3.30 t		10
12	6.50	6.50	5.00			15.8 m x 4.10 t			12
14	6.50	6.50	5.00	5.00	4.10		3.30	17.8 m x 3.30 t	14
16	6.50	6.50	5.00	5.00	4.10	4.10	3.30		16
18	5.90	6.05	5.00	5.00	4.10	4.10	3.30	3.30	18
20	5.05	5.20	5.00	5.00	4.10	4.10	3.30	3.30	20
22	4.40	4.50	4.45	4.65	4.10	3.90	3.30	3.10	22
24	3.80	3.90	3.90	4.05	3.95	3.70	3.30	2.95	24
26	3.35	3.45	3.45	3.55	3.50	3.45	3.30	2.80	26
28	2.95	3.05	3.05	3.15	3.10	3.25	3.15	2.70	28
30	2.50	2.55	2.70	2.80	2.75	2.90	2.80	2.60	30
32	2.25	2.25	2.30	2.40	2.45	2.55	2.50	2.50	32
34	33.9 m x 1.90 t	1.95	2.05	2.10	2.15	2.25	2.20	2.35	34
36		34.3 m x 1.90 t	1.80	1.80	1.95	2.00	1.95	2.10	36
38									38

***For notes about the table above, refer to page 17.**

■Crane Jib

Unit;t

Boom Length (m)	34								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
9	10.6 m x 6.50 t		11.7 m x 5.00 t						9
10		12.4 m x 6.50 t			12.9 m x 4.10 t				10
12	6.50		5.00	14.4 m x 5.00 t					12
14	6.50	6.50	5.00		4.10	16.4 m x 4.10 t	3.30		14
16	6.45	6.50	5.00	5.00	4.10		3.30	18.4 m x 3.30 t	16
18	5.80	5.95	5.00	5.00	4.10	4.10	3.30		18
20	4.95	5.10	5.00	5.00	4.10	4.10	3.30	3.30	20
22	4.30	4.40	4.40	4.55	4.10	3.95	3.30	3.20	22
24	3.75	3.85	3.80	4.00	3.90	3.80	3.30	3.05	24
26	3.30	3.35	3.35	3.50	3.45	3.60	3.30	2.90	26
28	2.90	2.95	2.95	3.10	3.05	3.20	3.10	2.75	28
30	2.55	2.60	2.60	2.70	2.65	2.80	2.70	2.65	30
32	2.10	2.15	2.30	2.40	2.35	2.50	2.40	2.50	32
34	1.85	1.85	1.90	2.10	2.10	2.20	2.10	2.30	34
36	34.5 m x 1.75 t	35.0 m x 1.70 t	1.50	1.85	1.85	1.95	1.90	2.00	36
38									38

Unit;t

Boom Length (m)	37								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
9	11.2 m x 6.50 t								9
10		13.0 m x 6.50 t	12.4 m x 5.00 t		13.5 m x 4.10 t				10
12	6.50			15.0 m x 5.00 t			14.6 m x 3.30 t		12
14	6.50	6.50	5.00		4.10	17.0m x 4.10 t			14
16	6.30	6.50	5.00	5.00	4.10		3.30	19.0 m x 3.30 t	16
18	5.70	5.90	5.00	5.00	4.10	4.10	3.30		18
20	4.85	5.00	4.95	5.00	4.10	4.10	3.30	3.30	20
22	4.20	4.30	4.30	4.50	4.10	4.05	3.30	3.25	22
24	3.65	3.75	3.70	3.90	3.80	3.80	3.30	3.10	24
26	3.20	3.25	3.25	3.40	3.35	3.55	3.15	2.95	26
28	2.80	2.85	2.85	3.00	2.90	3.10	3.00	2.85	28
30	2.45	2.50	2.50	2.60	2.55	2.75	2.60	2.65	30
32	2.10	2.20	2.20	2.30	2.25	2.40	2.30	2.45	32
34	1.70	1.75	1.90	2.00	2.00	2.10	2.00	2.20	34
36	34.5 m x 1.60 t	35.2 m x 1.45 t	1.65	1.75	1.75	1.85	1.80	1.95	36
38									38

***For notes about the table above, refer to page 17.**

■Crane Jib

Unit;t

Boom Length (m)	40								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
9	11.9 m x 6.50 t								9
10		13.6 m x 6.50 t	13.0 m x 5.00 t						10
12	6.50			15.6 m x 5.00 t	14.1 m x 4.10 t		15.2 m x 3.30 t		12
14	6.50	6.50	5.00			17.7 m x 4.10 t			14
16	6.50	6.50	5.00	5.00	4.10		3.30	19.7 m x 3.30 t	16
18	5.65	5.85	5.00	5.00	4.10	4.10	3.30		18
20	4.80	5.00	4.90	5.00	4.10	4.10	3.30	3.30	20
22	4.15	4.30	4.25	4.45	4.10	4.10	3.30	3.30	22
24	3.55	3.70	3.65	3.85	3.75	4.00	3.30	3.15	24
26	3.10	3.20	3.15	3.35	3.25	3.50	3.30	3.00	26
28	2.65	2.75	2.75	2.90	2.80	3.05	2.85	2.90	28
30	2.30	2.40	2.40	2.50	2.45	2.65	2.50	2.70	30
32	2.00	2.10	2.05	2.20	2.15	2.30	2.20	2.40	32
34	1.75	1.80	1.80	1.90	1.85	2.00	1.90	2.10	34
36	1.50	1.55	1.55	1.65	1.60	1.75	1.65	1.85	36

Unit;t

Boom Length (m)	43								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
10	12.5 m x 6.50 t		13.6 m x 5.00 t						10
12		14.3 m x 6.50 t			14.7 m x 4.10 t		15.9 m x 3.30 t		12
14	6.50		5.00	16.3 m x 5.00 t					14
16	6.50	6.50	5.00		4.10	18.3 m x 4.10 t	3.30		16
18	5.60	5.75	5.00	5.00	4.10		3.30	20.3 m x 3.30 t	18
20	4.70	4.90	4.80	5.00	4.10	4.10	3.30		20
22	4.05	4.20	4.15	4.35	4.10	4.10	3.30	3.30	22
24	3.50	3.60	3.60	3.80	3.65	3.90	3.30	3.20	24
26	3.05	3.15	3.10	3.30	3.15	3.40	3.25	3.05	26
28	2.60	2.70	2.70	2.85	2.75	3.00	2.80	2.90	28
30	2.25	2.35	2.30	2.45	2.40	2.60	2.45	2.70	30
32	1.90	2.00	2.00	2.15	2.05	2.25	2.10	2.35	32
34	1.65	1.70	1.70	1.85	1.80	1.95	1.85	2.05	34
36	1.40	1.45	1.45	1.60	1.55	1.70	1.60	1.80	36

***For notes about the table above, refer to page 17.**

■Main Boom with Crane Jib

Unit;t

Boom Length (m)	22								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
5.5	28.60	28.45	28.35	28.10	28.10	27.70	27.80	27.25	5.5
6	25.95	25.80	25.70	25.45	25.45	25.10	25.15	24.65	6
7	21.00	21.00	20.85	20.85	20.70	20.70	20.55	20.55	7
8	17.35	17.35	17.20	17.20	17.05	17.05	16.90	16.90	8
9	14.70	14.70	14.55	14.55	14.40	14.40	14.25	14.25	9
10	12.70	12.70	12.55	12.55	12.40	12.40	12.25	12.25	10
12	9.85	9.85	9.70	9.70	9.55	9.55	9.40	9.40	12
14	7.90	7.90	7.75	7.75	7.60	7.60	7.45	7.45	14
16	6.50	6.50	6.35	6.35	6.20	6.20	6.05	6.05	16
18	5.50	5.50	5.35	5.35	5.20	5.20	5.05	5.05	18
20	4.70	4.70	4.55	4.55	4.40	4.40	4.25	4.25	20
22	20.2 m x 4.60 t	20.2 m x 4.60 t	20.2 m x 4.45 t	20.2 m x 4.45 t	20.2 m x 4.30 t	20.2 m x 4.30 t	20.2 m x 4.15 t	20.2 m x 4.15 t	22
24									24

Unit;t

Boom Length (m)	25								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
5.5	6.1 m x 24.50 t	6.1 m x 24.30 t	6.1 m x 24.20 t	6.1 m x 24.00 t	6.1 m x 24.00 t	6.1 m x 23.60 t	6.1 m x 23.70 t	6.1 m x 23.20 t	5.5
6									6
7	20.95	20.90	20.80	20.60	20.55	20.25	20.30	19.90	7
8	17.30	17.30	17.15	17.15	17.00	17.00	16.85	16.85	8
9	14.65	14.65	14.50	14.50	14.35	14.35	14.20	14.20	9
10	12.65	12.65	12.50	12.50	12.35	12.35	12.20	12.20	10
12	9.80	9.80	9.65	9.65	9.50	9.50	9.35	9.35	12
14	7.85	7.85	7.70	7.70	7.55	7.55	7.40	7.40	14
16	6.45	6.45	6.30	6.30	6.15	6.15	6.00	6.00	16
18	5.40	5.40	5.25	5.25	5.10	5.10	4.95	4.95	18
20	4.60	4.60	4.45	4.45	4.30	4.30	4.15	4.15	20
22	3.95	3.95	3.80	3.80	3.65	3.65	3.50	3.50	22
24	22.8 m x 3.75 t	22.8 m x 3.75 t	22.8 m x 3.60 t	22.8 m x 3.60 t	22.8 m x 3.45 t	22.8 m x 3.45 t	22.8 m x 3.30 t	22.8 m x 3.30 t	24
26									26

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm and level ground.
2. To calculate the maximum load that can actually be lifted, deduct weight of all lifting accessories, such as boom hook and jib hook, from figures shown above.
3. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
4. The counter weight is 18.6 t.
5. Figures described as ○○ m x ○○ t in the tables indicate "working radius" m x "rated load" t.
6. Be sure to fully extend the side frames before operating the machine.
7. Correlation between the number of reeved lines, maximum rated loads, hook weights are shown in the table below.

Hook Capacity (t)	Hook Weight (t)	Maximum Rated Loads (t)				
		5 falls	4 falls	3 falls	2 falls	1 fall
30.0	0.36	30.00	26.00	19.50	13.00	-
15.0	0.32	-	-	15.00	13.00	-
6.5	0.18	-	-	-	-	6.50

■Main Boom with Crane Jib

Unit;t

Boom Length (m)	28								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
5.5	6.7 m x 21.20 t	6.7 m x 21.10 t	6.7 m x 21.00 t	6.7 m x 20.80 t	6.7 m x 20.80 t	6.7 m x 20.50 t	6.7 m x 20.50 t	6.7 m x 20.10 t	5.5
6									6
7	20.30	20.15	20.05	19.85	19.80	19.50	19.55	19.15	7
8	17.25	17.25	17.10	17.10	16.95	16.80	16.80	16.50	8
9	14.55	14.55	14.40	14.40	14.25	14.25	14.10	14.10	9
10	12.55	12.55	12.40	12.40	12.25	12.25	12.10	12.10	10
12	9.70	9.70	9.55	9.55	9.40	9.40	9.25	9.25	12
14	7.75	7.75	7.60	7.60	7.45	7.45	7.30	7.30	14
16	6.35	6.35	6.20	6.20	6.05	6.05	5.90	5.90	16
18	5.30	5.30	5.15	5.15	5.00	5.00	4.85	4.85	18
20	4.50	4.50	4.35	4.35	4.20	4.20	4.05	4.05	20
22	3.85	3.85	3.70	3.70	3.55	3.55	3.40	3.40	22
24	3.30	3.30	3.15	3.15	3.00	3.00	2.85	2.85	24
26	25.4 m x 3.00 t	25.4 m x 3.00 t	25.4 m x 2.85 t	25.4 m x 2.85 t	25.4 m x 2.70 t	25.4 m x 2.70 t	25.4 m x 2.55 t	25.4 m x 2.55 t	26
28									28

Unit;t

Boom Length (m)	31								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
6	7.3 m x 18.70 t	7.3 m x 18.60 t	7.3 m x 18.50 t	7.3 m x 18.30 t	7.3 m x 18.30 t	7.3 m x 18.00 t	7.3 m x 18.00 t	7.3 m x 17.70 t	6
7									7
8	16.95	16.85	16.75	16.55	16.50	16.25	16.25	15.95	8
9	14.50	14.50	14.35	14.35	14.20	14.20	14.05	13.90	9
10	12.50	12.50	12.35	12.35	12.20	12.20	12.05	12.05	10
12	9.65	9.65	9.50	9.50	9.35	9.35	9.20	9.20	12
14	7.70	7.70	7.55	7.55	7.40	7.40	7.25	7.25	14
16	6.30	6.30	6.15	6.15	6.00	6.00	5.85	5.85	16
18	5.25	5.25	5.10	5.10	4.95	4.95	4.80	4.80	18
20	4.40	4.40	4.25	4.25	4.10	4.10	3.95	3.95	20
22	3.75	3.75	3.60	3.60	3.45	3.45	3.30	3.30	22
24	3.25	3.25	3.10	3.10	2.95	2.95	2.80	2.80	24
26	2.80	2.80	2.65	2.65	2.50	2.50	2.35	2.35	26
28	2.40	2.40	2.25	2.25	2.10	2.10	1.95	1.95	28

***For notes about the table above, refer to page 21.**

■Main Boom with Crane Jib

Unit;t

Boom Length (m)	34								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
6	7.8 m x 16.80 t	7.8 m x 16.70 t	7.8 m x 16.60 t	7.8 m x 16.40 t	7.8 m x 16.40 t	7.8 m x 16.10 t	7.8 m x 16.10 t	7.8 m x 15.80 t	6
7									7
8	16.35	16.25	16.15	15.95	15.95	15.70	15.70	15.35	8
9	14.40	14.30	14.20	14.05	14.00	13.75	13.75	13.45	9
10	12.40	12.40	12.25	12.25	12.10	12.10	11.95	11.90	10
12	9.55	9.55	9.40	9.40	9.25	9.25	9.10	9.10	12
14	7.60	7.60	7.45	7.45	7.30	7.30	7.15	7.15	14
16	6.20	6.20	6.05	6.05	5.90	5.90	5.75	5.75	16
18	5.15	5.15	5.00	5.00	4.85	4.85	4.70	4.70	18
20	4.35	4.35	4.20	4.20	4.05	4.05	3.90	3.90	20
22	3.65	3.65	3.50	3.50	3.35	3.35	3.20	3.20	22
24	3.15	3.15	3.00	3.00	2.85	2.85	2.70	2.70	24
26	2.70	2.70	2.55	2.55	2.40	2.40	2.25	2.25	26
28	2.30	2.30	2.15	2.15	2.00	2.00	1.85	1.85	28
30	2.00	2.00	1.85	1.85	1.70	1.70	1.55	1.55	30
32	30.6 m x 1.90 t	30.6 m x 1.90 t	30.6 m x 1.75 t	30.6 m x 1.75 t	30.6 m x 1.60 t	30.6 m x 1.60 t	30.6 m x 1.45 t	30.6 m x 1.45 t	32
34									34

Unit;t

Boom Length (m)	37								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
7	8.4 m x 15.00 t	8.4 m x 14.90 t	8.4 m x 14.80 t	8.4 m x 14.70 t	8.4 m x 14.60 t	8.4 m x 14.40 t	8.4 m x 14.40 t	8.4 m x 14.10 t	7
8									8
9	13.95	13.85	13.75	13.60	13.55	13.30	13.35	13.05	9
10	12.35	12.30	12.20	12.10	12.00	11.80	11.80	11.55	10
12	9.45	9.45	9.30	9.30	9.15	9.15	9.00	9.00	12
14	7.50	7.50	7.35	7.35	7.20	7.20	7.05	7.05	14
16	6.10	6.10	5.95	5.95	5.80	5.80	5.65	5.65	16
18	5.05	5.05	4.90	4.90	4.75	4.75	4.60	4.60	18
20	4.25	4.25	4.10	4.10	3.95	3.95	3.80	3.80	20
22	3.55	3.55	3.40	3.40	3.25	3.25	3.10	3.10	22
24	3.05	3.05	2.90	2.90	2.75	2.75	2.60	2.60	24
26	2.60	2.60	2.45	2.45	2.30	2.30	2.15	2.15	26
28	2.20	2.20	2.05	2.05	1.90	1.90	1.75	1.75	28
30	1.90	1.90	1.75	1.75	1.60	1.60	1.45	1.45	30
32	1.60	1.60	1.45	1.45	1.30	1.30			32
34	33.2 m x 1.40 t	33.2 m x 1.40 t	33.2 m x 1.25 t	33.2 m x 1.25 t					34
36									36

***For notes about the table above, refer to page 21.**

■Main Boom with Crane Jib

Unit;t

Boom Length (m)	40								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
9	13.50	13.40	13.30	13.10	13.10	12.90	12.90	12.60	9
10	12.05	11.95	11.85	11.70	11.65	11.45	11.45	11.15	10
12	9.35	9.35	9.20	9.20	9.05	9.05	8.90	8.90	12
14	7.40	7.40	7.25	7.25	7.10	7.10	6.95	6.95	14
16	6.00	6.00	5.85	5.85	5.70	5.70	5.55	5.55	16
18	4.95	4.95	4.80	4.80	4.65	4.65	4.50	4.50	18
20	4.15	4.15	4.00	4.00	3.85	3.85	3.70	3.70	20
22	3.45	3.45	3.30	3.30	3.15	3.15	3.00	3.00	22
24	2.95	2.95	2.80	2.80	2.65	2.65	2.50	2.50	24
26	2.50	2.50	2.35	2.35	2.20	2.20	2.05	2.05	26
28	2.10	2.10	1.95	1.95	1.80	1.80	1.65	1.65	28
30	1.75	1.75	1.60	1.60	1.45	1.45	1.30	1.30	30
32	1.45	1.45	1.30	1.30					32
34	1.20	1.20							34

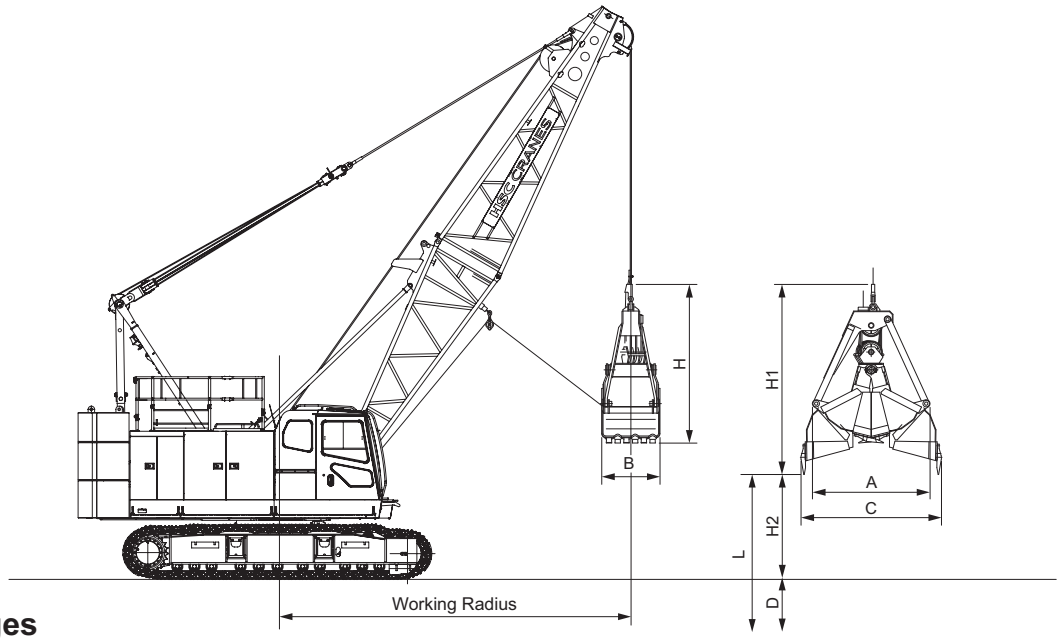
Unit;t

Boom Length (m)	43								Boom Length (m)
Jib Length (m)	6		9		12		15		Jib Length (m)
Offset Angle (°) / Working Radius (m)	10	30	10	30	10	30	10	30	Offset Angle (°) / Working Radius (m)
8	9.6 m x 12.10 t	9.6 m x 12.00 t	9.6 m x 11.90 t	9.6 m x 11.80 t	9.6 m x 11.80 t	9.6 m x 11.50 t	9.6 m x 11.50 t	9.6 m x 11.30 t	8
9									9
10	11.65	11.55	11.45	11.30	11.25	11.05	11.05	10.80	10
12	9.35	9.35	9.20	9.15	9.05	8.90	8.85	8.65	12
14	7.40	7.40	7.25	7.25	7.10	7.10	6.95	6.95	14
16	6.00	6.00	5.85	5.85	5.70	5.70	5.55	5.55	16
18	4.90	4.90	4.75	4.75	4.60	4.60	4.45	4.45	18
20	4.10	4.10	3.95	3.95	3.80	3.80	3.65	3.65	20
22	3.45	3.45	3.30	3.30	3.15	3.15	3.00	3.00	22
24	2.90	2.90	2.75	2.75	2.60	2.60	2.45	2.45	24
26	2.45	2.45	2.30	2.30	2.15	2.15	2.00	2.00	26
28	2.05	2.05	1.90	1.90	1.75	1.75	1.60	1.60	28
30	1.70	1.70	1.55	1.55	1.40	1.40	1.25	1.25	30
32	1.35	1.35	1.20	1.20					32

***For notes about the table above, refer to page 21.**

Clamshell Specifications

Dimensions and Specifications



■Working Ranges

Boom Length			m	10				13				16				19			
Boom Angle			°	35	45	55	65	35	45	55	65	35	45	55	65	35	45	55	65
Working Radius			m	9.6	8.5	7.3	5.8	12.1	10.7	9.0	7.0	14.5	12.8	10.7	8.3	17.0	14.9	12.4	9.6
Gross Rated Load			t	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
0.8 m³ Bucket	Lift L (D + H2)	m	Hydraulic	38.0	39.3	40.5	41.4	39.7	41.5	43.0	44.1	41.4	43.6	45.4	46.8	43.1	45.7	47.9	49.6
	Max. Digging Depth D	m	Hydraulic	36															
	Bucket Dumping Height H2		m	2.0	3.3	4.5	5.4	3.7	5.5	7.0	8.1	5.4	7.6	9.4	10.8	7.1	9.7	11.9	13.6
1.0 m³ Bucket	Lift L (D + H2)	m	Hydraulic	37.8	39.1	40.3	41.2	39.5	41.3	42.8	43.9	41.2	43.4	45.2	46.6	42.6	45.5	47.7	49.4
	Max. Digging Depth D	m	Hydraulic	36															
	Bucket Dumping Height H2		m	1.8	3.1	4.3	5.2	3.5	5.3	6.8	7.9	5.2	7.4	9.2	10.6	6.6	9.5	11.7	13.4
1.2 m³ Bucket	Lift L (D + H2)	m	Hydraulic	37.6	38.9	40.1	41.0	39.3	41.1	42.6	43.7	41.0	43.2	45.0	46.4	42.7	45.3	47.5	49.2
	Max. Digging Depth D	m	Hydraulic	36															
	Bucket Dumping Height H2		m	1.6	2.9	4.1	5.0	3.3	5.1	6.6	7.7	5.0	7.2	9.0	10.4	6.7	9.3	11.5	13.2

■Specifications

		Clamshell Specifications	
Bucket Capacity	m^3	0.8/1.0/1.2	
Allowed Maximum Gross Weight for Clamshell Bucket and Captured Load Combined	t	6.0	
Boom Length	m	10 to 19	
Maximum Digging Depth	m	36	
Support Wire Rope Speed *	m/min	74	Wire Rope Diameter 22 mm
Opening/Closing Wire Rope Speed *	m/min	74	
Boom Hoist Drum Wire Rope Speed (Raise) *	m/min	60	Wire Rope Diameter 16 mm
Boom Hoist Drum Wire Rope Speed (Lower) *	m/min	60	
Ground Contact Pressure	kPa (kgf/cm²)	72.0(0.74) (w/Basic Boom, 1.2 m^3 Clamshell Bucket, Handrails (Folding type), Catwalk)	
Overall Operating Weight	t	Approximately 57.7 (w/Basic Boom, 1.2 m^3 Clamshell Bucket, Handrails (Folding type), Catwalk)	

Note :
- Speeds marked with "*" may vary depending on load applied.
- SI units are used for specifications. In parenthesis, conventional units are also indicated.
- Specifications other than those shown above are the same as those shown in the crane specifications section.

■Clamshell Bucket

Capacity (m^3)	Weight (t)	A (mm)	B (mm)	C (mm)	H (mm)	H1 (mm)
0.8	2.0	1880	970	2230	2270	2980
1.0	2.45	2020	1070	2430	2430	3150
1.2 (Lightweight Type)	2.4	2000	1160	2650	2600	3240

■Gross Rated Load Table

Unit ; t

Working Radius (m)	Boom Length (m)			
	10	**13**	**16**	**19**
3.7	6.00			
4.0	6.00	6.00		
4.5	6.00	6.00	4.6 m × 6.00 t	
5.0	6.00	6.00	6.00	5.2 m × 6.00 t
5.5	6.00	6.00	6.00	6.00
6.0	6.00	6.00	6.00	6.00
7.0	6.00	6.00	6.00	6.00
8.0	6.00	6.00	6.00	6.00
9.0	6.00	6.00	6.00	6.00
10.0	6.00	6.00	6.00	6.00
12.0		12.6 m × 6.00 t	6.00	6.00
14.0			6.00	6.00
16.0			15.2 m × 6.00 t	6.00
17.8				5.50

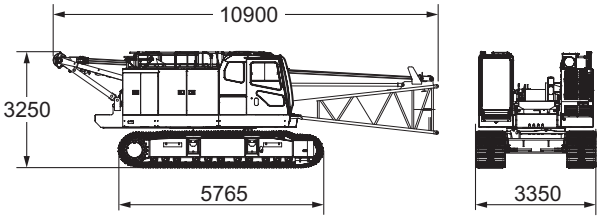
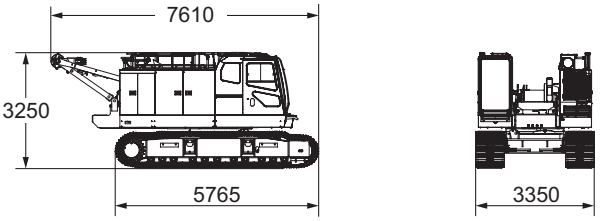
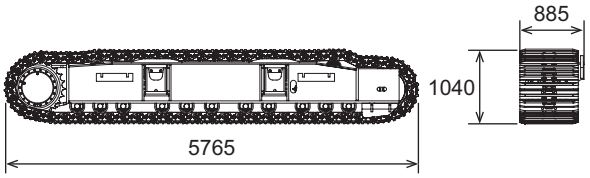
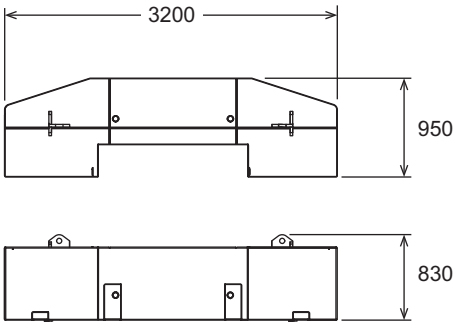
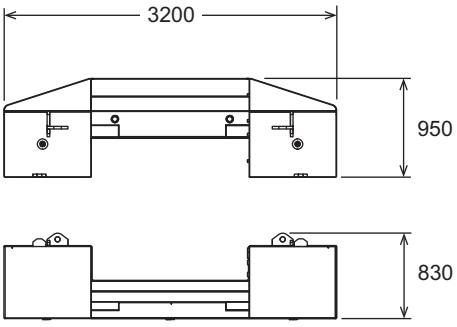
1.Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
2.The rated loads for clamshell do not exceed 90% of those for crane.
3.The rated loads shown are upper limits determined by the following equation. Please select a bucket in such a manner that its rated load does not exceed the rated load shown above, according to kinds of the loads handled.
Rated load = Bucket capacity (m³) x Specific gravity of load (t/m³) + Bucket weight (t)
4.Even if using different capacities of the bucket according to the kinds of load, do not exceed the rated load.
5.Be sure to fully extend the side frames before operating the machine.
6.The counter weight is 18.6 t.

Weights and Dimensions of Disassembled Units

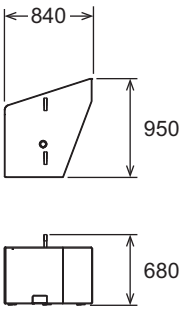
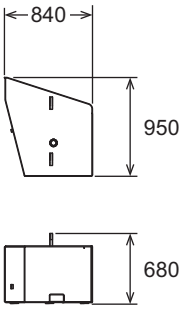
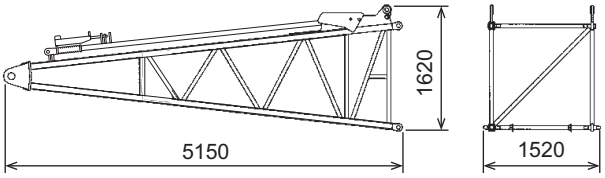
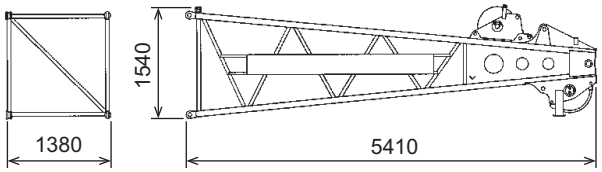
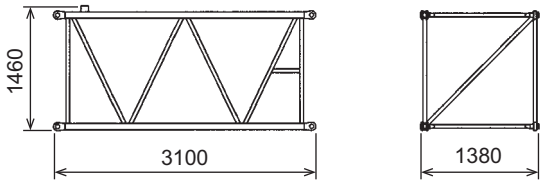
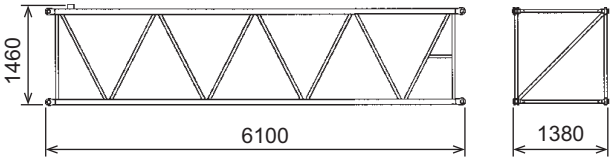
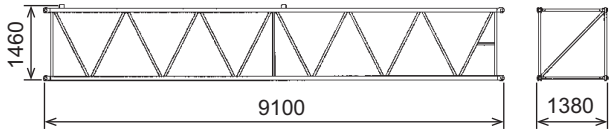
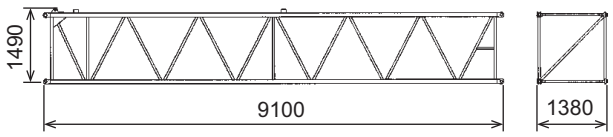
Weights and Dimensions List

Comply with the regulations when transporting.
"Weight" refers to the mass of each single unit.

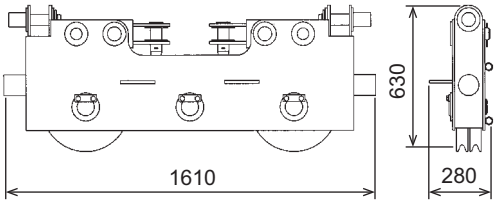
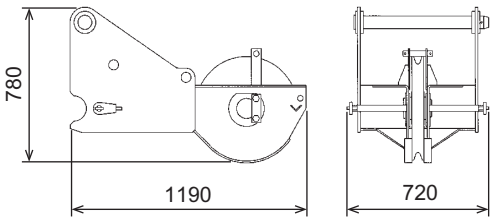
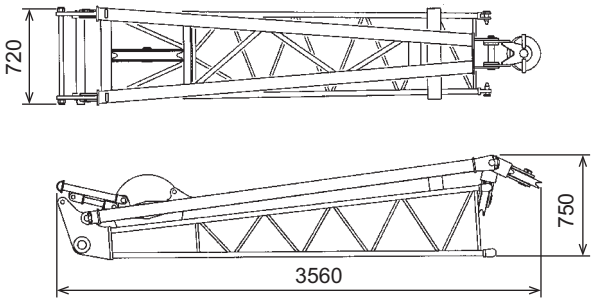
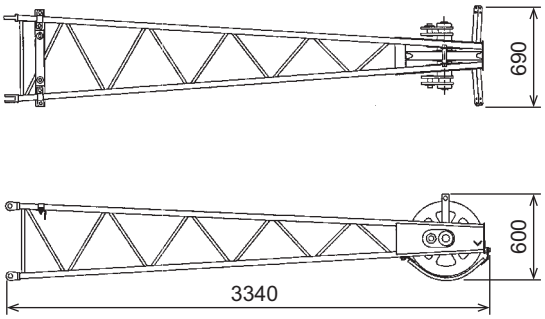
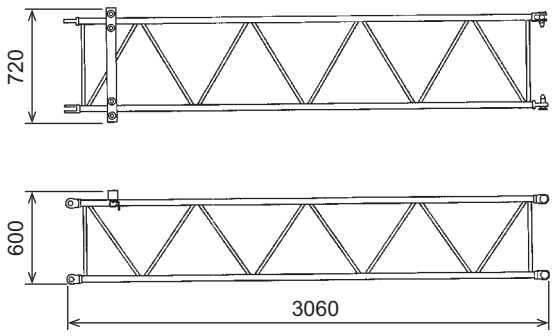
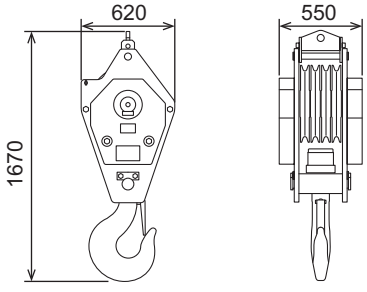
Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
Base Crane with: Boom Base Front Winch Wire Rope Boom Hoist Drum Wire Rope Crawler Upper Spreader Handrails (Folding Type)	1		35200
Base Crane with: Front Winch Wire Rope Boom Hoist Drum Wire Rope Crawler Upper Spreader Handrails (Folding Type)	1		34200
Crawler (Assembly)	2		6750
Counter Weight A	1		8700
Counter Weight B	1		6400

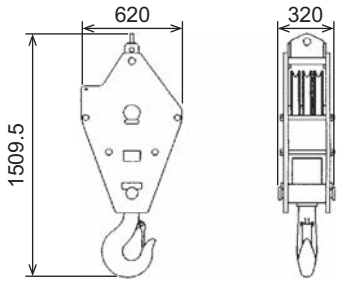
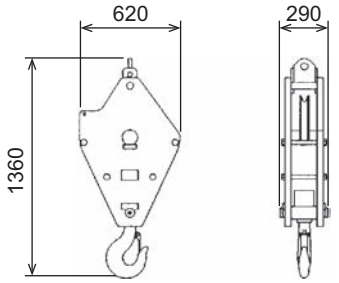
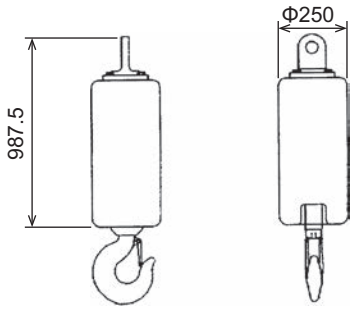
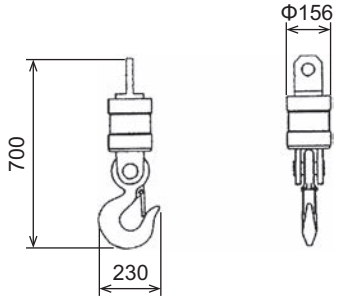
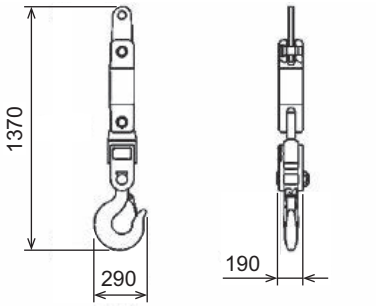
Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
Counter Weight C	1		1700
Counter Weight D	1		1800
Boom Base with: Connect Pin Boom Foot Pin Exclusive Crane Backstop	1		1000
Boom Top with: Pendant Rope Anti-Two Block	1		1010
3 m Boom Insert with: Connect Pin Pendant Rope	1		285
6 m Boom Insert with: Connect Pin Pendant Rope	1		460
9 m Boom Insert with: Connect Pin Pendant Rope	1		665
9m Special Boom Insert (9B) with: Connect Pin Pendant Rope	1		690

Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
Upper Spreader	1		260
Aux. Sheave with: Connect Pin	1		220
Crane Jib Bottom with: Connect Pin Boom Foot Pin Jib Strut Connect Pin	1		340
Jib Top	1		160
Jib Insert with: Connect Pin	1		80
55 t Hook	1		850

Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
30 t Hook	1		360
15 t Hook	1		320
6.5 t Hook	1		180
6.5 t Hook (Light Type)	1		40
6.5 t Swivel Hook	1		120

Equipment List

Standard and Optional Equipment

○: Standard ●: Optional —: No setting

Item		Crane	Clamshell
Lower Structure	810 mm Crawler Shoe (Link Shoes)	○	○
	Crawler Extension/Retraction System	○	○
	Steps	○	○
	Shoe Tension Unit (Hydraulic Hand Pump Type)	○	○
Upper Structure	Cab Up/Down Catwalk	○	○
	Under Cover (Bed Lower Surface)	○	○
	Working Light (× 2)	○	○
	Back Mirror (Left and Right)	○	○
	Central Lubrication Unit (For Gantry Axle, Turntable Bearing)	○	○
	Drum Flange Cover	○	○
	Auto Idle Stop	○	○
	Eco Winch	○	○
	Drum Mirror	●	●
	Drum Light	●	●
	Winch Rope Retainer (Front Winch)	●	●
	Winch Rope Retainer (Rear Winch)	●	●
	Catwalk (Handrails Type, Left and Right)	○	○
	Catwalk (Folding Type, Left and Right)	●	●
	Electric Fuel Pump	●	●
	Handrails (Folding Type)	○	○
	Winch with Front and Rear Free Mechanism (ϕ 22 mm Band Brake Type with Brake Mode Select Switch)	○	○
Cab	Air Conditioner	○	○
	Sunvisor	○	○
	Sunshade	○	○
	Wiper with Washer (Front Window, Cab Roof Window)	○	○
	Microphone & Loudspeaker	○	○
	AM/FM Radio (With Clock)	○	○
	Room Lamp	○	○
	Cup Holder	○	○
	24 V Power Socket (× 2)	○	○
	Floor Carpet	○	○
	Level Gauge (In Cab)	○	○
	Cross Operation Lever (Lever Lock Not Attached)	○	○
	Seat with Suspension	○	○
	Front/Rear Operation Lever, Brake Pedal Permutation	●	●
	Drum Rotation Sensor (Front/Rear)*1	○	○
	Accelerator Grip	○	○
	Accelerator Pedal (Right Side)	●	●
	Speed Control Dial (Front, Rear, Swing)	○	○
	Boom Hoist Operation Pedal*2	●	●
	Swing Brake Operation Pedal*2	●	●
	Fan	●	●
	Fuel Burning Heater	●	●
	Life Hammer	○	○

*1 Cannot be equipped when the cross operation lever.
*2 Cannot be equipped at the same time.

○: Standard ●: Optional —: No setting

Item			Crane	Clamshell
Attachment	10 m Basic Boom (Boom Base: 5 m, Boom Top: 5 m)		○	○
	3 m Boom Insert		●	●
	6 m Boom Insert		●	●
	9 m Boom Insert		●	●
	9 m Special Boom Insert (9B)*3		●	—
	Parts Set for 15m Crane Jib [6 m Basic Jib,3 m Crane Jib Insert x3, Anti-Two Block,Jib Mast]		●	—
	Parts set for Auxiliary Sheave [Auxiliary sheave,Auxiliary sheave Anti-Two Block]		●	—
	55 t Hook (4 Sheaves)		●	—
	30 t Hook (3 Sheaves)		●	—
	15 t Hook (1 Sheave)		●	—
	6.5 t Hook		●	—
	6.5 t Hook (Light Type,120 kg)*4		●	—
Wire Rope	Front Winch (ϕ 22)	XP IWRC 6 x WS (31)	○	○
		Mono Rope EP 3 x F (40)	●	—
		P・S (19) + 39 x P・7	●	—
	Rear Winch (ϕ 22)	XP IWRC 6 x WS (31)	●	○
		Mono Rope EP 3 x F (40)	●	—
		P・S (19) + 39 x P・7	●	—
	Boom Hoist Winch (ϕ 16)	XP IWRC 6 x WS (31)	○	○
Safety Device	Moment Limiter (M/L)		○	○
	3 Color Percentage Indicator Light		○	○
	Gate Lock Lever		○	○
	Individual Winch Operation Lever Lock (Front, Rear, Hoist, Travel)*5		○	○
	Automatic Pawl Lock (Boom Hoist)		○	○
	Drum Lock (Front, Rear, Boom Hoist)		○	○
	Lowering Limiter (Winch Drum Dead Turns Detective Device)		○	○
	Swing Lock		○	○
	Swing Alarm		○	○
	Travel Alarm		○	○
	Auto Slowdown (Slow Stop)		○	○
	Boom Over Hoist Limiting Device		○	○
	Secondary Boom Over Hoist Limiting Device		○	○
	Warning Alarm		○	○
	Engine Start Interlock System		○	○
	Emergency Engine Stop Switch (In Cab)		○	○
	Lifting Height Indication Device		○	○
	Anti-Two Block		○	—
	Moment Limiter (M/L) Mode Selector (In Right House)		○	○
	Swing Neutral Free/Brake Mode Selection Switch*6		●	●
	Swing Restriction Unit*6,*7		●	●
	Anemometer		○	—
	Obstacle Lights (Fixed Light)		●	—
	Drum & Rear View Monitor (2 cameras)		●	●
	Cab Roof Window Guard		○	○

*3 For Crane Jib.
*4 There may be cases where the hook can not be lowered by itself. Additional weight may be required.
*5 An operation lever lock is not attached to the front, rear or hoist when the cross operation lever is installed.
*6 Cannot be canceled or add-on after ordering the machine.
*7 Swing Neutral Free/Brake Selection Switch Device and Swing Restriction Unit should be ordered as a set.

○: Standard ●: Optional —: No setting

Item			Crane	Clamshell
Common Parts	Boom Back Stop		○	○
	Boom Angle Sensor		○	○
	Boom Lifting Piece		○	○
	Boom Connect Pin Holder		○	○
	Remote Sensing (Mobile Communication Terminal, Data Logging Device)		○	○
	Reduction Counter Weight Specification (15.1 t/8.7 t)*7		●*8	—
	Skywalk (With Stanchion)		●	—
	Skywalk (Without Stanchion)		●	—
	Boom Top Under Surface Buffer (Protector)		●	●
	Load Table Sign (Whiteboard, Boom Base Installation)		●	●
	Insertable Company Name Plate (Both side surfaces of the machine)		●*9	●
	Opening/Closing/Support Rope Stopper		—	○
	Division Type Rope Guide		●	●
	Hydraulic Tagline (6 × Fi (29) ϕ 10 mm × 45 m)		●*10	○
	Reeving Winch (4 × F (30) ϕ 8 mm × 250 m)		●*10	—
	Reeving Winch Cum Hydraulic Tagline	For hydraulic tagline (6 × Fi (29) ϕ 10 mm × 45 m)	●*10	—
		For reeving (6 × Fi (29) ϕ 10 mm × 160 m)		
	Additional Spare Parts (Hydraulic Oil Filter)		●	●
	Additional Tools (Large Hammer, Crowbar, Chisel)		●	●
Others	Standard Supplied Tools		○	○
	Standard Spare Parts		○	○

*8 The reduction counter weight specification can only be used for the crane specification, with the exception of the crane jib.
*9 When it chooses, the width at the time of transportation is set to not less than 3.2 m.
*10 (1) Hydraulic tagline (maximum line pull: 0.88 kN (90 kgf))
(2) Reeving winch (maximum line pull: 11.8 kN (1,200 kgf))
(3) Reeving winch cum hydraulic tagline (maximum line pull for hydraulic tagline: 1.4 kN (150 kgf)/maximum line pull for reeving winch: 2.9 kN (300 kgf))

- We are constantly improving our products and therefore reserve the right to change designs and specifications without notice.
- Units in this specification are shown under International System of Units; the figures in parenthesis are under Gravitational System of Units as old one.

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