

HYDRAULIC CRAWLER CRANE

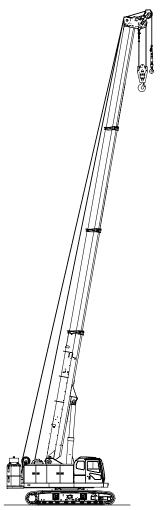




Variation of The Attachment

Line Speed *	Front / Rear Winch	m/min	105
	Third Winch (Optional)		105
Boom Raising Speed*		sec/degree	52 / 0 to 78.0
Swing Speed		min ⁻¹ (rpm)	4.5
Travel Speed High / Low *		km/h	1.7 / 1.2
Gradeability		% (Degree)	30 (17)
Engine Model			ISUZU 6HK1 (Stage Ⅲ B, Int.Tier 4)
Engine Rated Output Power		kW/min ⁻¹ (ps/rpm)	210 / 1900 (285 / 1900)

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



Crane Specification (Boom Longest Length)

Boom Length	m	10 to 30.1
Ground Contact Pressure kPa (kgf/cm²)		92.4 (0.94)
		(with 65 t hook)
Overall Operating		70.9
Weight	· ·	(with 65 t hook)

VARIATION

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Specifications



Model	ISUZU 6HK1
Туре	4-cycle, Water-cooled, Direct injection, Turbo-charged, Diesel engine
Displacement	7.79 liters
Rated Output	210 kW / 1,900 min ⁻¹ (285 ps / 1,900 rpm)
Fuel Tank Capacity	400 liters
Notes	Engine meets Stage III B / Int. Tier 4 of engine exhaust gas emission regulations in USA, Europe, and Japan.
	Engine rated horsepower is based on international rating formula that includes engine alternator and without fan.

Third Winch (Optional)				
Rope Diameter		22.4mm		
D Mr I'	Standard	170 m		
Rope Winding Length	Max. 260 m (With free fall)			
Lengin	(In non-work)	280 m (Without free fall)		
Line Pull	Rated	69 kN		
Notes		Winch without free fall or free fall winch with		
		brake controled by pedal operation.		

Swing System

Consisted of hydraulic motor with reduction gear and multi-disc brakes and a swing bearing which has inner



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. Arm-chair lever type is standard.			
Display Panel Design	8 inches size. Located to check work state easily without disturbing the view of the operator.			



Counter Weight

	Total Weight	14.0 ton
Counter Weight	3.0 ton Base Weight	1 piece
(Without self assembly unit)	2.7 ton Right Weight	2 pieces
	2.8 ton Left Weight	2 pieces
	Total Weight	13.6 ton
Counter Weight	2.6 ton Base Weight	1 piece
(With self assembly unit)	2.7 ton Right Weight	2 pieces
	2.8 ton Left Weight	2 pieces



Hydraulic System

Hydraulic Oil Tank Capacity	800 liters		
	Max.	31.4 MPa	
	P1	266 L / min	Front winch, Third winch, Auger, Boom telescoping and Travel
	P2	266 L / min	Rear winch, Auger, Boom hoist and Travel
Hydraulic Pump Capacity	P3	152 L / min	Swing, Jack, Crawler sideframe extend-retract and External hydraulic power equipment B
	P4	38 L / min	
	P5	38 L / min	Pilot control, External hydraulic
	P6	38 L / min	power equipment A and others.
	P7	30 L / min	



Carbody

Welded steel construction with crawler sideframe extendretract cylinders.



Crawler Sideframe

Frame	Welded steel box construction, and can be retracted.			
Shoe	Cast iron 760 mm w	Cast iron 760 mm width shoe each side.		
Upper Roller	2 pieces each side.			
	10 pieces each side.			
Lower Roller	Forging heat treated steel with double flange type. 2 plane bearing with floating seal for lifetime lubrication.			
	1 piece each side.			
To all Darley	Hydraulic travel device (Hydrayulic motor and reducer)			
Travel Device	Travel speed	High: 1.7 km/h		
	(Gradability : 30%)	Low: 1.2 km/h		

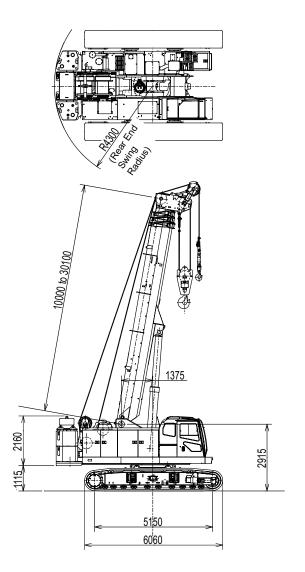
Winch

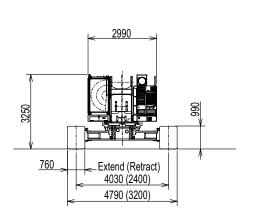
Front and Rear Winch				
Winch		Front	Rear	
Rope Diameter		22.4mm	22.4mm	
Rope Winding	Standard	175 m	76 m	for Aux. sheave
Length	Max. (In non-work)	260 m	260 m	
Line Pull	Rated	69 kN	69 kN	
Standard Equipment		Free fall win	nch with bra	ike controled by pedal



Crane Specifications

Dimensions and Specifications





Crane Specifications		
Max. Lifting Load × Working Radius	t × m	65×3.0
Basic Boom Length	m	10.0
Max. Boom Length	m	30.1
Ground Contact Pressure	kPa (kgf/cm²)	92.4 (0.91) (w / 65 t Hook)
Overall Operating Weight	t	70.9 (w / 65 t Hook)

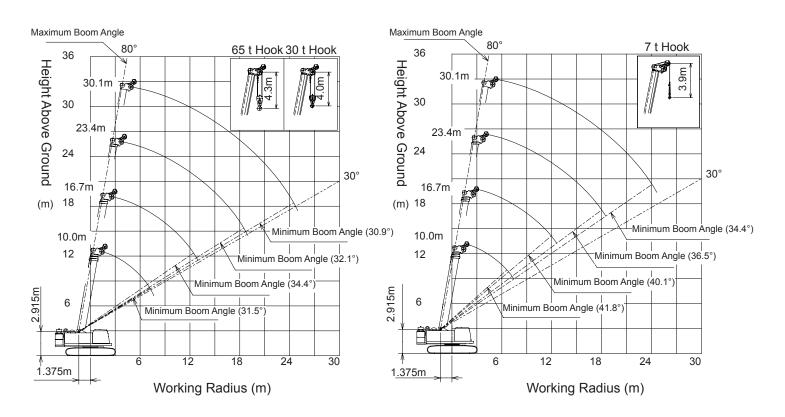
NOTE: Data is expressed in SI units followed by conventional units in ().

Hook Weight		
65 t	800 kg	
30 t	520 kg	
7 t	105 kg	

Working Ranges

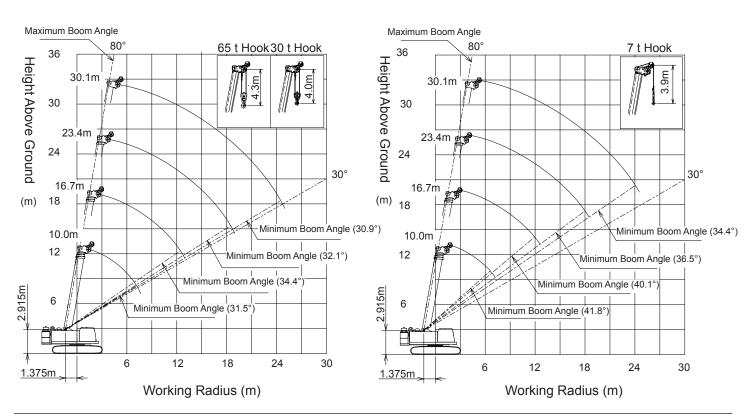
■ Main Boom with Aux. Sheave

Aux. Sheave



■ Main Boom with Aux. Sheave (2 Sheaves)

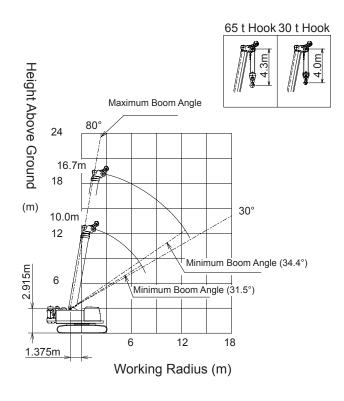
■ Aux.Sheave (2 Sheaves)

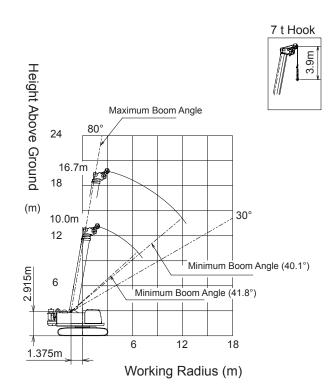


Aux. Sheave

Working Ranges: Without Counter Weight

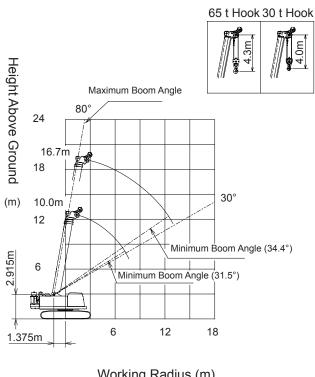
Main Boom with Aux. Sheave



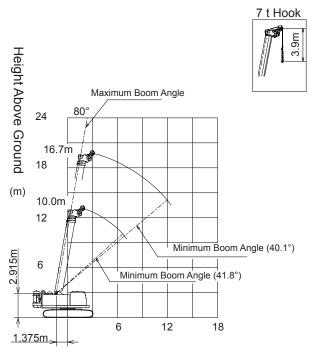


Main Boom with Aux. Sheave (2 Sheaves)

Aux.Sheave (2 Sheaves)





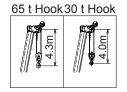


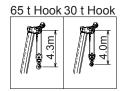
Working Radius (m)

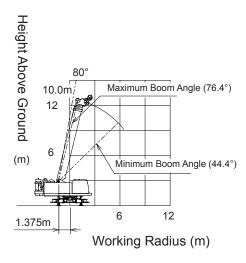
Working Ranges: When Jacking Up, Without Counter Weight

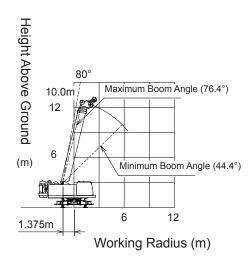
■ Main Boom with Aux. Sheave

■ Main Boom with Aux. Sheave (2 Sheaves)









Gross Rated Load Table

Main Boom with Aux. Sheave



Working		Boom Length (m)				
Radius(m)	10.0	16.7	23.4	30.1	Radius(m)	
2	65.0				2	
2.5	65.0				2.5	
3	65.0	32.0			3	
3.5	55.0	32.0			3.5	
4	48.0	32.0	26.0		4	
4.5	41.5	32.0	26.0		4.5	
5	37.0	30.5	26.0	16.0	5	
5.5	34.0	28.8	25.0	16.0	5.5	
6	32.5	26.5	23.0	16.0	6	
7	26.3	23.0	20.2	16.0	7	
8	7.7m x	19.7	17.8	15.0	8	
9	22.5t	16.7	15.5	13.4	9	
10		14.3	13.5	12.0	10	
12		10.5	10.3	9.9	12	
14		13.0m x	7.9	8.0	14	
16		9.1t	6.0	6.5	16	
18			4.6	5.2	18	
20			19.0m x	4.1	20	
22			4.1t	3.1	22	
24				2.3	24	
26				25.0m x	26	
28				2.0t	28	

- 1. The maximum rated loads as above are the value of the stationary loads on a firm and level surface, are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.
- 2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 3. Capacities surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- 4. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 5. 14 ton counter weight is required for all capacities on this chart.
- 6. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

	Hook Mass	Maximum Rated Loads (ton)							
Hook Capacity	(ton)	10 falls	8 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
65t	0.80	65	56	42	1	28	1	14	-
30t	0.52	-	-	-	30	28	21	14	-
7t	0.11	-	-	-	-	-	-	-	7

Aux. Sheave



Working		Boom Length (m)				
Radius(m)	10.0	16.7	23.4	30.1	Radius(m)	
2.5	7.0				2.5	
3	7.0				3	
3.5	7.0	7.0			3.5	
4	7.0	7.0			4	
4.5	7.0	7.0	7.0		4.5	
5	7.0	7.0	7.0		5	
5.5	7.0	7.0	7.0	7.0	5.5	
6	7.0	7.0	7.0	7.0	6	
7	7.0	7.0	7.0	7.0	7	
8	7.7m x	7.0	7.0	7.0	8	
9	7.0t	7.0	7.0	7.0	9	
10		7.0	7.0	7.0	10	
12		7.0	7.0	7.0	12	
14		13.0m x	7.0	7.0	14	
16		7.0t	6.0	6.5	16	
18			4.6	5.2	18	
20			19.0m x	4.1	20	
22			4.1t	3.1	22	
24				2.3	24	
26				25.0m x	26	
28				2.0t	28	

- 1. The maximum rated loads as above are the value of the stationary loads on a firm and level surface, are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.
- 2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 3. Capacities surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- 4. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 5. 14 ton counter weight is required for all capacities on this chart.
- 6. Hook mass are shown in the table below.

Hook Capacity	Hook Mass (ton)	
7t	0.11	

■ Main Boom with Aux. Sheave (2 Sheaves)



Working		Boom Length (m)				
Radius(m)	10.0	16.7	23.4	30.1	Radius(m)	
2	65.0				2	
2.5	65.0		1		2.5	
3	65.0	31.9			3	
3.5	54.9	31.9			3.5	
4	47.9	31.9	25.9		4	
4.5	41.4	31.9	25.9		4.5	
5	36.9	30.4	25.9	15.9	5	
5.5	33.9	28.7	24.9	15.9	5.5	
6	32.4	26.4	22.9	15.9	6	
7	26.2	22.9	20.1	15.9	7	
8	7.7m x	19.6	17.7	14.9	8	
9	22.4t	16.6	15.4	13.3	9	
10		14.2	13.4	11.9	10	
12		10.4	10.2	9.8	12	
14		13.0m x	7.8	7.9	14	
16		9.0t	5.9	6.4	16	
18			4.5	5.1	18	
20			19.0m x	4.0	20	
22			4.0t	3.0	22	
24				2.2	24	
26				25.0m x	26	
28				1.9t	28	

- 1. The maximum rated loads as above are the value of the stationary loads on a firm and level surface, are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.
- 2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 3. Capacities surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- 4. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 5. 14 ton counter weight is required for all capacities on this chart.
- 6. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

	Hook Mass			Ма	aximum Rate	ed Loads (to	n)		
Hook Capacity	(ton)	10 falls	8 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
65t	0.80	65	56	42	1	28	1	14	-
30t	0.52	-	-	-	30	28	21	14	-
7t	0.11	-	-	-	-	-	-	-	7

■ Aux. Sheave (2 Sheaves)



Working		Boom	Length (m)		Working
Radius(m)	10.0	16.7	23.4	30.1	Radius(m)
2.5	7.0				2.5
3	7.0				3
3.5	7.0	7.0			3.5
4	7.0	7.0			4
4.5	7.0	7.0	7.0		4.5
5	7.0	7.0	7.0		5
5.5	7.0	7.0	7.0	7.0	5.5
6	7.0	7.0	7.0	7.0	6
7	7.0	7.0	7.0	7.0	7
8	7.7m x	7.0	7.0	7.0	8
9	7.0t	7.0	7.0	7.0	9
10		7.0	7.0	7.0	10
12		7.0	7.0	7.0	12
14		13.0m x	7.0	7.0	14
16		7.0t	5.9	6.4	16
18			4.5	5.1	18
20			19.0m x	4.0	20
22			4.0t	3.0	22
24				2.2	24
26				25.0m x	26
28				1.9t	28

- 1. The maximum rated loads as above are the value of the stationary loads on a firm and level surface, are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.
- 2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 3. Capacities surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- 4. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 5. 14 ton counter weight is required for all capacities on this chart.
- 6. Hook mass are shown in the table below.

Hook Capacity	Hook Mass (ton)
7t	0.11

■ Main Boom with Aux. Sheave (Without Counter Weight)



			Unit: tor
Working	Working Boom Ler		Working
Radius(m)	10.0	16.7	Radius(m)
2	26.0		2
2.5	26.0		2.5
3	26.0	19.0	3
3.5	26.0	19.0	3.5
4	26.0	19.0	4
4.5	26.0	19.0	4.5
5	21.8	19.0	5
5.5	18.0	16.5	5.5
6	15.3	14.0	6
7	11.4	10.5	7
8	7.7m x	8.2	8
9	9.5t	6.5	9
10		5.3	10
12		3.6	12
14		13.0m x	14
16		3.0t	16

- 1. The maximum rated loads as above are the value of the stationary loads on a firm and level surface, are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.
- 2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 3. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 4. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

				ated Loads (ton)		
Hook Capacity	(ton)	4 falls	3 falls	2 falls	1 fall	
65t	0.80	28	-	14	-	
30t	0.52	28	21	14	-	
7t	0.11	-	-	-	7	

Aux. Sheave (Without Counter Weight)



Unit: ton

	ī		Offic. to	
Working	Boom L	Boom Length (m)		
Radius(m)	10.0	16.7	Radius(m)	
2.5	7.0		2.5	
3	7.0		3	
3.5	7.0	7.0	3.5	
4	7.0	7.0	4	
4.5	7.0	7.0	4.5	
5	7.0	7.0	5	
5.5	7.0	7.0	5.5	
6	7.0	7.0	6	
7	7.0	7.0	7	
8	7.7m x	7.0	8	
9	7.0t	6.5	9	
10		5.3	10	
12		3.6	12	
14		13.0m x	14	
16		3.0t	16	

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- 2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 3. Capacities surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- 4. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 5. Hook mass are shown in the table below.

Hook Capacity	Hook Mass (ton)
7t	0.11

■ Main Boom with Aux. Sheave (2 Sheaves) (Without Counter Weight)



			Unit: tor
Working	Boom L	ength (m)	Working
Radius(m)	10.0	16.7	Radius(m)
2	26.0		2
2.5	26.0		2.5
3	26.0	18.9	3
3.5	26.0	18.9	3.5
4	26.0	18.9	4
4.5	26.0	18.9	4.5
5	21.7	18.9	5
5.5	17.9	16.4	5.5
6	15.2	13.9	6
7	11.3	10.4	7
8	7.7m x	8.1	8
9	9.4t	6.4	9
10		5.2	10
12		3.5	12
14		13.0m x	14
16		2.9t	16

- 1. The maximum rated loads as above are the value of the stationary loads on a firm and level surface, are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.
- 2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 3. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 4. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

	Hook Mass	Maximum Rated Loads (ton)				
Hook Capacity	(ton)	4 falls	3 falls	2 falls	1 fall	
65t	0.80	28	1	14	-	
30t	0.52	28	21	14	-	
7t	0.11	-	-	-	7	

■ Aux. Sheave (2 Sheaves) (Without Counter Weight)



Unit: ton

Working	Boom Length (m)		Working
Radius(m)	10.0	16.7	Radius(m)
2.5	7.0		2.5
3	7.0		3
3.5	7.0	7.0	3.5
4	7.0	7.0	4
4.5	7.0	7.0	4.5
5	7.0	7.0	5
5.5	7.0	7.0	5.5
6	7.0	7.0	6
7	7.0	7.0	7
8	7.7m x	7.0	8
9	7.0t	6.4	9
10		5.2	10
12		3.5	12
14		13.0m x	14
16		2.9t	16

- 1. The maximum rated loads as above are the value of the stationary loads on a firm and level surface, are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.
- 2. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 3. Capacities surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- 4. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 5. Hook mass are shown in the table below.

Hook Capacity	Hook Mass (ton)	
7t	0.11	

■ Main Boom with Aux. Sheave (When Jacking Up, Without Counter Weight)



Unit: ton

Working	Boom Length (m)
Radius(m)	10.0
2	9.5
2.5	9.5
3	9.5
3.5	9.5
4	9.5
4.5	9.5
5	9.5
5.5	7.5
6	6.0
6.5	5.0

- This gross rated load table is for the crawler side frame self removal/installation.
 Do not use this for other than self removal/installation.
- 2. The maximum rated loads as above are the value of the stationary loads on a firm and level surface,

are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.

- 3. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 4. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 5. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

Hook Consoits	Hook Mass	Maximum Rated Loads (ton)		
Hook Capacity	(ton)	2 falls	1 fall	
65t	0.80	14	-	
30t	0.52	14	-	
7t	0.11	-	7	

■ Main Boom with Aux. Sheave (2 Sheaves) (When Jacking Up, Without Counter Weight)



Working	Boom Length (m)
Radius(m)	10.0
2	9.5
2.5	9.5
3	9.5
3.5	9.5
4	9.5
4.5	9.5
5	9.5
5.5	7.4
6	5.9
6.5	4.9

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 - Do not use this for other than self removal/installation.
- 2. The maximum rated loads as above are the value of the stationary loads on a firm and level surface, are not more than 78% of minimum tipping loads, and 1.15 or more as specified in mobile crane structure specifications.
- 3. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as a hook, from figures shown above.
- 4. Working radius is the horizontal distance from the slewing center to the center of gravity of a lifted load.
- 5. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

Heak Canacity	Hook Mass	Maximum Rated Loads (ton)		
Hook Capacity	(ton)	2 falls	1 fall	
65t	0.80	14	-	
30t	0.52	14	-	
7t	0.11	-	7	



Weights and Dimensions of Disassembled Units

Weights and Dimensions List

Comply with the regulations when transporting.

"Qty" indicates the number of the fully-equipped item and "Weight" indicates the mass of each unit.

Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
Base Crane with: Aux. Sheave, Boom Front Wintch Wire Rope Rear Wintch Wire Rope Crawlers 65 t Hook, 7 t Hook Auxiliary Weight	1	13180 3200 6060	56800 (57600)
Base Crane with: Crawlers Boom Hoist Cylinder Without: Wire Rope Auxiliary Weight	1	7250 3200 6060	42600 (44600)
Base Crane with: Boom Without: Aux. Sheave Wire Rope Hook Auxiliary Weight	1	13180 2990 4635 4635	38800 (40800)
Base Crane with: Boom Hoist Cylinder Without: Wire Rope Auxiliary Weight	1	6800 2990 4635 2540	27900 (29900)
Base Crane with: Boom Folding Type Jack Beam Without: Aux. Sheave Wire Rope Hook Auxiliary Weight	1	13180	41600 (43600)
Base Crane with: Boom Hoist Cylinder Folding Type Jack Beam Without: Wire Rope Auxiliary Weight	1	6800 2990 4635	30700 (32700)
Crawler	2	6060	7390

^{*} The value within () shows the case of the third winch attached. With the third winch, auxiliary weight is not attached.

Weights and Dimensions of Disassemble Description	Qty	Dimensions (mm)	Weight (kg)
Counter Weight (R)	2	790 735	2730
Counter Weight (L)	2	735	2780
Counter Weight (Base)	1	2990 (3800) (1185) * () is attached the self assembly unit (OPT).	2960 (2570)
Boom (with Aux. Sheave)	1	11205	11200
Folding Type Jack Beam	2	2000	1400
Jack Beam	2	1855	1410
65 t Hook	1	455	800
30 t Hook	1	690 350 350	520
7 t Hook	1	190	105



Standard and Optional Equipment

		○ : Standard ● : Optio
	Item	
	760 mm Crawler Shoe	0
	Crawler Extension/Retraction System	0
ower Structure	Steps	0
ower Structure	Folding Type Jack Beam 1	•
	Jack Beam ⁻¹	•
	Shoe Tension Unit (Hydraulic)	•
	Cab Up/Down Catwalk	0
	Upper House Handrails (For Catwalk)	0
	Under Cover (Bed Lower Surface)	0
	Working Light (× 2)	0
	Back Mirror (Left and Right)	0
	Drum Flange Cover	0
	Winch Rope Retainer (Front Winch)	•
	Winch Rope Retainer (Rear Winch)	0
pper Structure	Winch Rope Retainer (Third Winch)	•
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Catwalk (Folding Type, Left and Right)	
	Electric Fuel Pump	
	Handrail (Folding Type)	•
	Front, Rear Winch (φ22.4mm with Free Fall, Brake Mode Select Switch)	
	Third Winch (φ22.4mm without Free Fall, with Guide Sheave and Winch Drum Lock, and Rope not Included)	
	Third Winch (φ22.4mm with Free Fall, Guide Sheave and Winch Drum Lock, and Rope not Included)	
	Standard Counter Weight (2990mm Width)	
	Counter Weight with Self Assembly Unit (Counter Weight 3800mm Width)	
	Air Conditioner	
	Sunvisor	0
	Sunshade	0
	Wiper with Washer (Front Window, Cab Roof Window)	0
	Microphone & Loud-speaker	0
	AM / FM Radio (With Clock)	0
	Room Lamp	0
	Cup Holder	0
	24 V Power Socket (× 2)	0
	Floor Carpet	0
Cab	Level Gauge (In Cab)	0
Oub	Arm Chair Lever	
	Accelerator Grip	
	Accelerator Pedal (Right Side)	
	Drum Rotation Sensor (Front/Rear)	
	Speed Control Dial (Boom Hoist/Swing)	0
	Boom Hoist Operation Pedal	0
	Boom Hoist Operation Lever (Third Winch Lever is Replaced Forward)	
	Fire Extinguisher (ABC No.4) Fan	
	ı Fali	•

^{*1} Jack beam and folding type jack beam cannot be attached at the same time.

		○ : Standard ● : Opti
	Item	
	4-Section Telescopic Boom (10 to 30.1m)	0
	Boom Transportation Mount	•
	Boom Assembly/Disassembly Transport Mount	•
	Boom Foot Pin Assembly/Disassembly Jig and Tool	•
	Tool Box for Boom Foot Pin Assembly/Disassembly Jig	•
Attachment	Aux. Sheave (1 Sheave) [Aux. Sheave and Anti-two Block]	0
	Aux. Sheave (2 Sheaves)	•
	65 t Hook (5 Sheaves)	0
	30 t Hook (3 Sheaves)	•
	7t Hook (Light Type with Lock (105kg))	
	* It may not fall by its own weight depends on the boom length.	0
	Front Winch (ϕ 22.4) XP IWRC6XWS (31)	0
Wire rope	Rear Winch (ϕ 22.4) XP IWRC6XWS (31)	0
	Third Winch (ϕ 22.4) XP IWRC6XWS (31)	•
	Moment Limiter	0
	3 Color Percentage Indicator Light	0
	Mode Select Switch (Crane/Excavation)	0
	Gate Lock Lever	0
	Individual Operation Lever Lock (Front, Rear, Boom Hoist, Travel)	0
	Winch Drum Lock (Front and Rear)	0
	Swing Lock	0
	Swing Alarm	0
	Travel Alarm	0
Safety Device	Auto Slowdown (Slow Stop)	0
•	Warning Alarm	0
	Engine Start Interlock System	0
	Emergency Engine Stop Switch (In Cab)	0
	Lifting Height Indication Device	0
	Swing Neutral Free/Brake Selection Switch	0
	Anti-two Block	0
	Swing Restriction Unit	•
	Drum and Rear View Monitor System (× 3)	•
	Cab Roof Window Guard	•
	Remote Sensing (Mobile Communication Terminal, Data Logging Device)	0
	Without Counter Weight (Reduced Counter Weight) Specification	0
	Hydraulic Power Outlet for Auger (Including the boom side piping, maximum pressure: 31.4MPa, maximum flow rate	:
	520L/min)	•
	External Hydraulic Power Outlet A (Maximum Pressure: 13.7MPa, Maximum Flow Rate: 38L/min)	•
	External Hydraulic Power Outlet B (Maximum Pressure: 27.4MPa, Maximum Flow Rate: 150L/min)	•
	Auger Speed Selecter Panel (On the Right Side of the Cab)	•
ommon parts	Sling Ropes for Disassembly and Assembly (for Counter Weights, Crawlers, Boom)	•
	Boom Stanchion	•
	Reeving Winch Cum Hydraulic Tagline (6 x Fi (29) ϕ 10mm x 55m)	• *2
	Tool Box (On the Front of the Right Bed)	0
	Additional Fuel Filter (Triple Filter)	•
	Additional Spare Parts (Hydraulic Oil Filter)	•
	Additional Tools (Large Hammer, Crowbar, Chisel)	•
	Standard Supplied Tools	0
Other Special Tools (When Hydraulic Power Outlet for Auger is Attached)		•
	Standard Spare Parts	
	l	

^{*2} Reeving Winch Cum Hydraulic Tagline

(Maxmum line pull: 1.4 kN (150 kgf) for hydraulic tagline / 2.9 kN (300 kgf) for reeving winch)



