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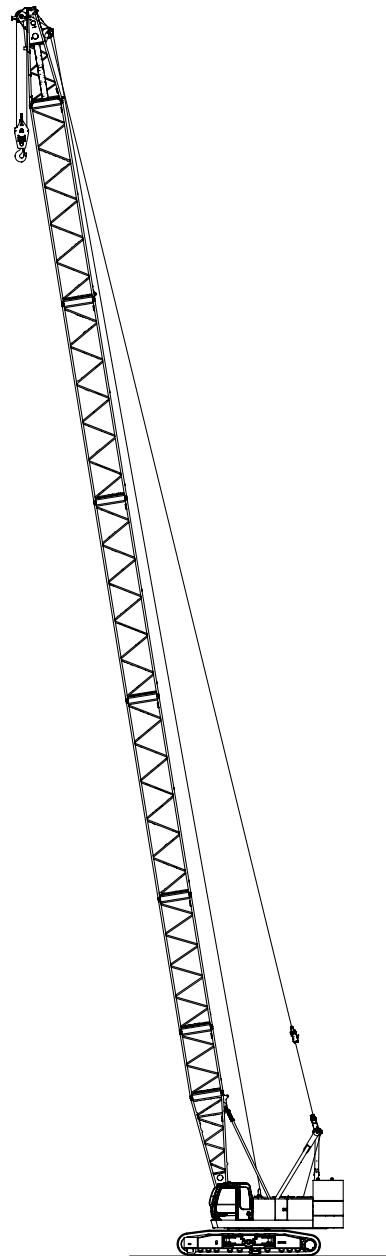
HYDRAULIC CRAWLER CRANE

Variation of The Attachment

Line Speed * ¹	Front / Rear Winch	m/min	37/75	
	Boom Hoist Winch		62	
Swing Speed		min ⁻¹ (rpm)	2.9	
Travel Speed * ¹		km/h	1.2	
Gradeability		% (Degree)	30 (17)	
Engine Model			ISUZU 6HK1 (Stage II, Tier 2) (Stage IIIA, Tier 3 * ²)	
Engine Rated Output Power	kW/min ⁻¹ (ps/rpm)	Stage II, Tier 2	140 / 2,000 (190 / 2,000)	
		Stage IIIA, Tier 3 * ²	212 / 2,000 (287 / 2,000)	

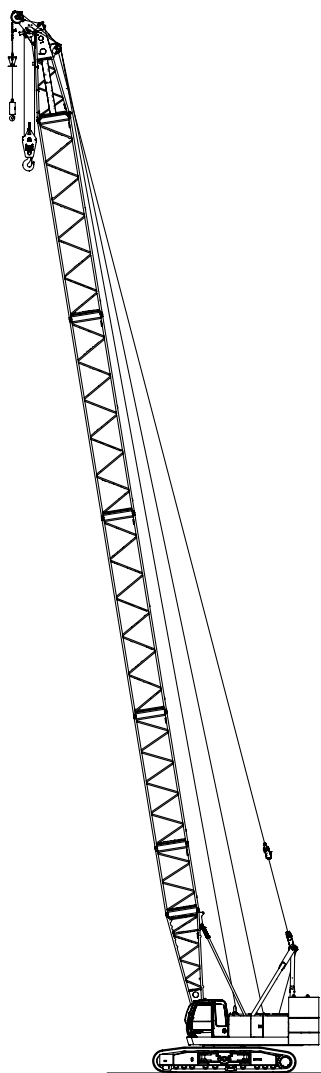
NOTE :

1. Speeds marked with "*" may vary depending on load applied.
2. "*" is optional.



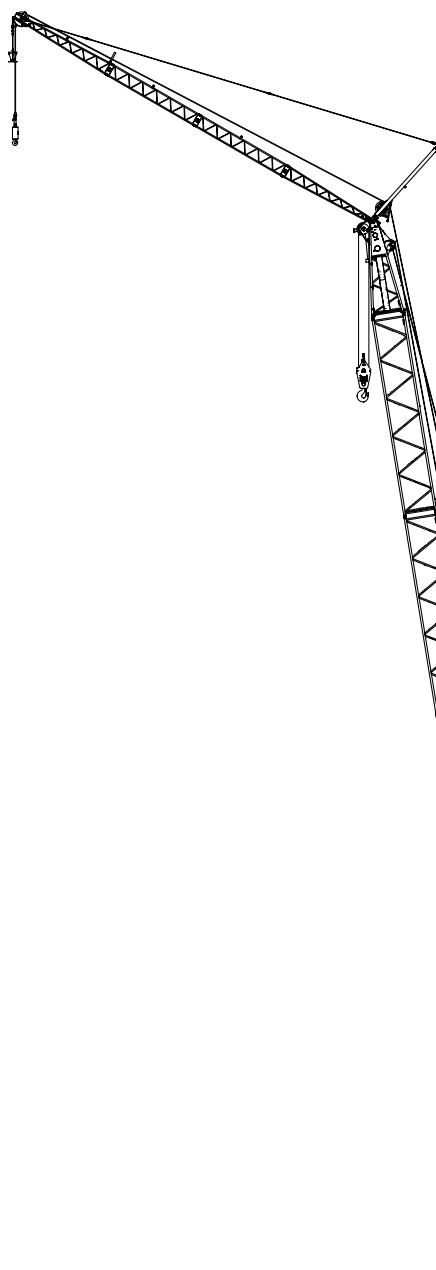
**Crane Specification
(Boom Longest Length)**

Boom Length	m	54.5
Ground Contact Pressure	kPa (kgf/cm ²)	85 (0.87) Boom longest length with 15 t hook
Overall Operating Weight	t	Approximately 76.6 Boom longest length with 15 t hook



**Crane Specification
(Boom Longest Length with Aux. Sheave)**

Boom Length	m	51.5 + Aux. sheave
Ground Contact Pressure	kPa (kgf/cm ²)	85 (0.87) Boom longest length + aux. sheave, 15 t + 7 t hook attached
Overall Operating Weight	t	Approximately 76.7 Boom longest length + aux. sheave, 15 t + 7 t hook attached



**Crane Specification
(Boom Longest Length with Crane Jib)**

Boom + Crane Jib Longest Length	m	45.5 + 18
Ground Contact Pressure	kPa (kgf/cm ²)	85 (0.87) Boom + crane jib longest length + aux. sheave, 15 t + 7 t hook attached
Overall Operating Weight	t	Approximately 77.0 Boom + crane jib longest length + aux. sheave, 15 t + 7 t hook attached

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Specifications



Engine

Model	ISUZU 6HK1		
Type	4-cycle, Water-cooled, Direct injection, Turbo-charged, Diesel engine		
Displacement	7.79 liters		
Rated Output	Stage II, Tier 2	140 kW / 2,000 min ⁻¹ (190 ps / 2,000 rpm)	
	Stage IIIA, Tier 3	212 kW / 2,000 min ⁻¹ (287 ps / 2,000 rpm)	
Fuel Tank Capacity	285 liters		
Notes	Engine meets Stage II / Tier 2 of engine exhaust gas emission regulations in USA, Europe, and Japan. Also, available is a Stage IIIA / Tier 3 compliant engine. Engine rated horsepower is based on international rating formula that includes engine alternator and without fan.		



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 depending on work.		
Control Levers	Control levers are designed and located based on ergonomics. Control lever system is cross operation lever type.		
Display Panel Design	7 inches size. Located to check work state easily without disturbing the view of the operator.		



Hydraulic System

Hydraulic Oil Tank Capacity	250 liters		
Hydraulic Pump Capacity	Max.	29.4 MPa	
	P1	230 liters / min	for Front, Rear, boom hoist winch, travel and sideframe retract
	P2	230 liters / min	for Front, Rear and travel
	P3	131 liters / min	for Swing
	P4	36 liters / min	for Pilot control



Winch

Front and Rear Winch				
Winch		Front	Rear	
Rope Diameter		22 mm	22 mm	
Rope Length	Standard	220 m	135 m	For Aux.sheave
		220 m	135 m	For Crane jib
	Winding Capacity	320 m	320 m	
Line Pull	Rated	68 kN	68 kN	
Boom Hoist Winch				
Rope Diameter		16 mm		
Rope Length	Incorporated	150 m		
Hydraulic motor with multi-disc brakes.				



Swing System

Constructed with a hydraulic motor with reduction gear and multi-disc brakes and a swing bearing which has inner tooth.	
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Counter Weight

Counter Weight	Total Weight	27.9 ton
	8.5 ton Base Weight	2 pieces
	4.9 ton Insert Weight	1 piece
	6.0 ton Top Weight	1 piece



Carbody Frame

Welded steel construction.	
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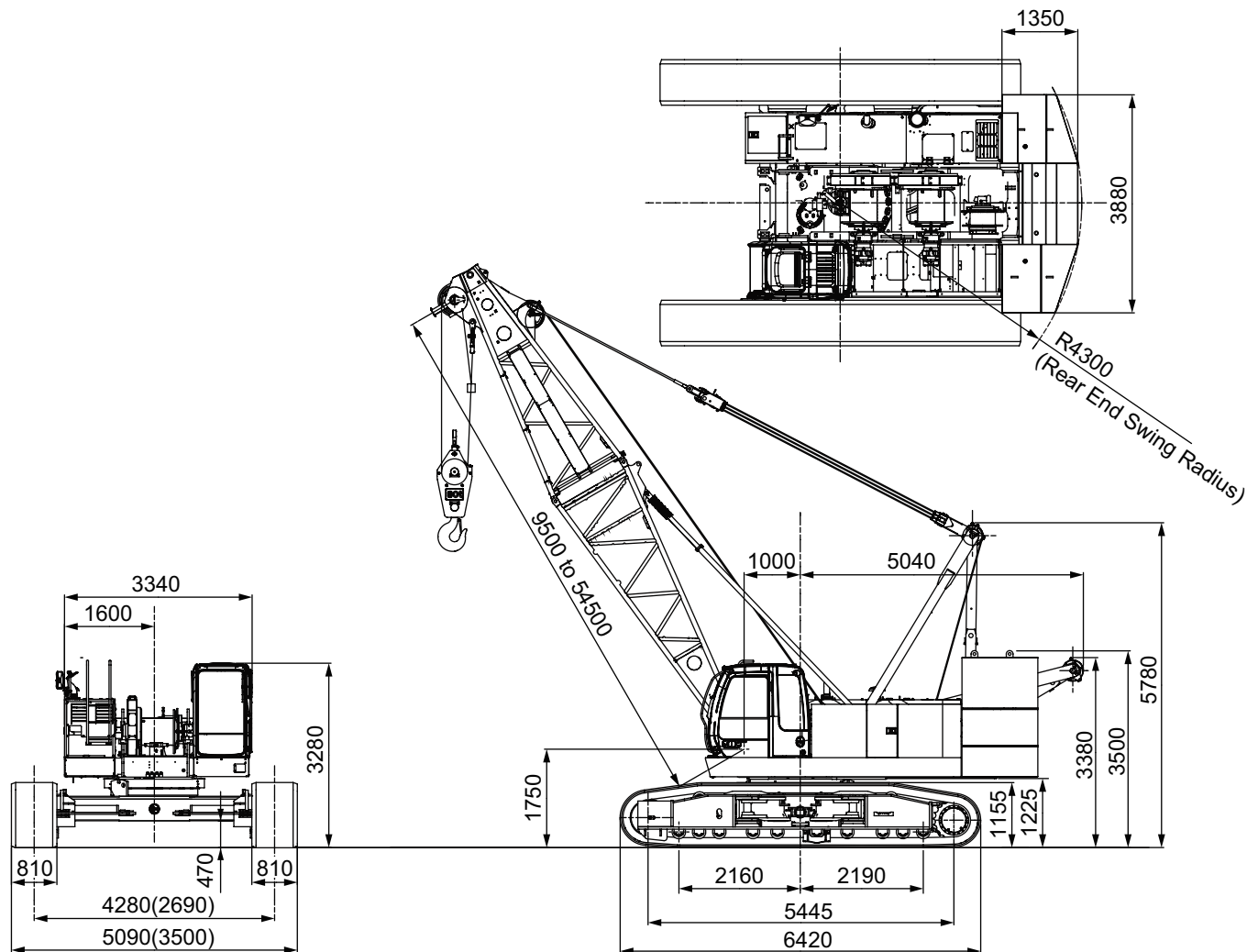


Crawler Sideframe

Frame	Welded steel box construction and can be retracted for transportation.		
Shoe	62 track shoes with triple grousers made of induction-hardened rolled alloy. 810mm width.		
Upper Roller	2 pieces each side.		
Lower Roller	10 pieces each side.		
Travel Device	1 piece each side.		
	Hydraulic travel device (Hydraulic motor and reducer)		
	Travel speed (Gradability : 30%)	1.2 km/h	

Crane Specifications

Dimensions and Specifications



*If an optional engine equivalent to Stage III A / Tier 3 is installed, the width of the machine right side will increase by 60 mm and the height of the compartment will increase by 180 mm.

The weight will be 300 kg heavier.

Crane Specifications

Max. Lifting Load × Working Radius	t × m	80 × 3.2
Basic Boom Length	m	9.5
Max. Boom Length	m	54.5
Crane Jib Length	m	9 to 18
Max. Boom + Jib Length	m	45.5 + 18
Ground Contact Pressure	kPa (kgf/cm ²)	80 (0.82)
		9.5m basic boom and 80t hook block
Overall Operating Weight	t	72.5
		9.5m basic boom and 80t hook block

Hook Weight

80 t	800 kg
40 t	520 kg
15 t	320 kg
7 t	260 kg

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

Front / Rear Winch Rope No. of Falls and Lifting Load

Hook Capacity	Maximum Rated Load (ton)										
	11 Falls	10 Falls	9 Falls	8 Falls	7 Falls	6 Falls	5 Falls	4 Falls	3 Falls	2 Falls	1 Fall
80 t	80	70	63	56	49	42	35	28	21	14	-
40 t	-	-	-	-	-	40	35	28	21	14	-
15 t	-	-	-	-	-	-	-	-	15	14	-
7 t	-	-	-	-	-	-	-	-	-	-	7

Boom Standard Configurations

Boom (1/2)		Boom (2/2)	
Boom Length (m)	Boom Configurations	Boom Length (m)	Boom Configurations
9.5		33.5	
12.5		36.5	
15.5		39.5	
18.5		42.5	
21.5		45.5	
24.5		48.5	
27.5		51.5	
30.5		54.5	

When installing the crane jib, use 9m (9B) boom insert next to the boom top.
(In case the crane jib is not installed, normal 9m boom insert can be used.)

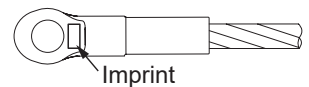
Aux. Sheave Installable Boom Length																
Boom Length (m)	9.5	12.5	15.5	18.5	21.5	24.5	27.5	30.5	33.5	36.5	39.5	42.5	45.5	48.5	51.5	54.5
With Aux. Sheave	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×

(○ : Attachable × : Not Attachable)

Dimensions Not Shown In The Figure		
Symbols	Boom Length (m)	Note
3	3	
6	6	
9	9	
9B	9	Jib with lugs for jib pendant rope installation

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

Pendant Rope			
Symbols	Length (m)	Rope Diameter (mm)	Imprint
3	3	30	□ • △ • 30 • 3 • C
3.22	3.22	30	□ • △ • 30 • 3.22 • C
6	6	30	□ • △ • 30 • 6 • C
9	9	30	□ • △ • 30 • 9 • C



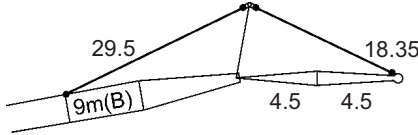
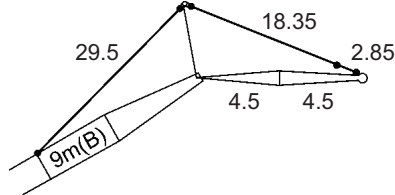
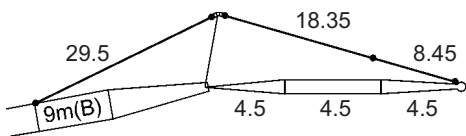
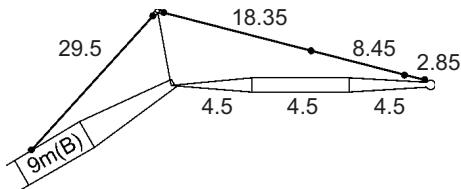
Combination of Boom and Crane Jib (Offset Angle 10° and 30°)

Combination of Boom and Crane Jib

Crane Jib Length (m)		9		13.5		18	
		Offset Angle 10°	Offset Angle 30°	Offset Angle 10°	Offset Angle 30°	Offset Angle 10°	Offset Angle 30°
Boom Length (m)	9.5	×	×	×	×	×	×
	12.5	×	×	×	×	×	×
	15.5	×	×	×	×	×	×
	18.5	×	×	×	×	×	×
	21.5	×	×	×	×	×	×
	24.5	×	×	×	×	×	×
	27.5	○	○	○	○	○	○
	30.5	○	○	○	○	○	○
	33.5	○	○	○	○	○	○
	36.5	○	○	○	○	○	○
	39.5	○	○	○	○	○	○
	42.5	○	○	○	○	○	○
	45.5	○	○	○	○	○	○
	48.5	×	×	×	×	×	×
	51.5	×	×	×	×	×	×
	54.5	×	×	×	×	×	×

(○ : Attachable × : Not Attachable)

Crane Jib (Offset Angle 10° and 30°)

Crane Jib Length (m)	Offset Angle	Crane Jib Configurations
9	10°	
	30°	
13.5	10°	
	30°	

Crane Jib (Offset Angle 10° and 30°)

Crane Jib Length (m)	Offset Angle	Crane Jib Configurations
18	10°	
	30°	

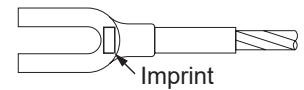
Dimensions Not Shown In The Figure

Symbols	Jib Length(m)	Note
4.5	4.5	

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

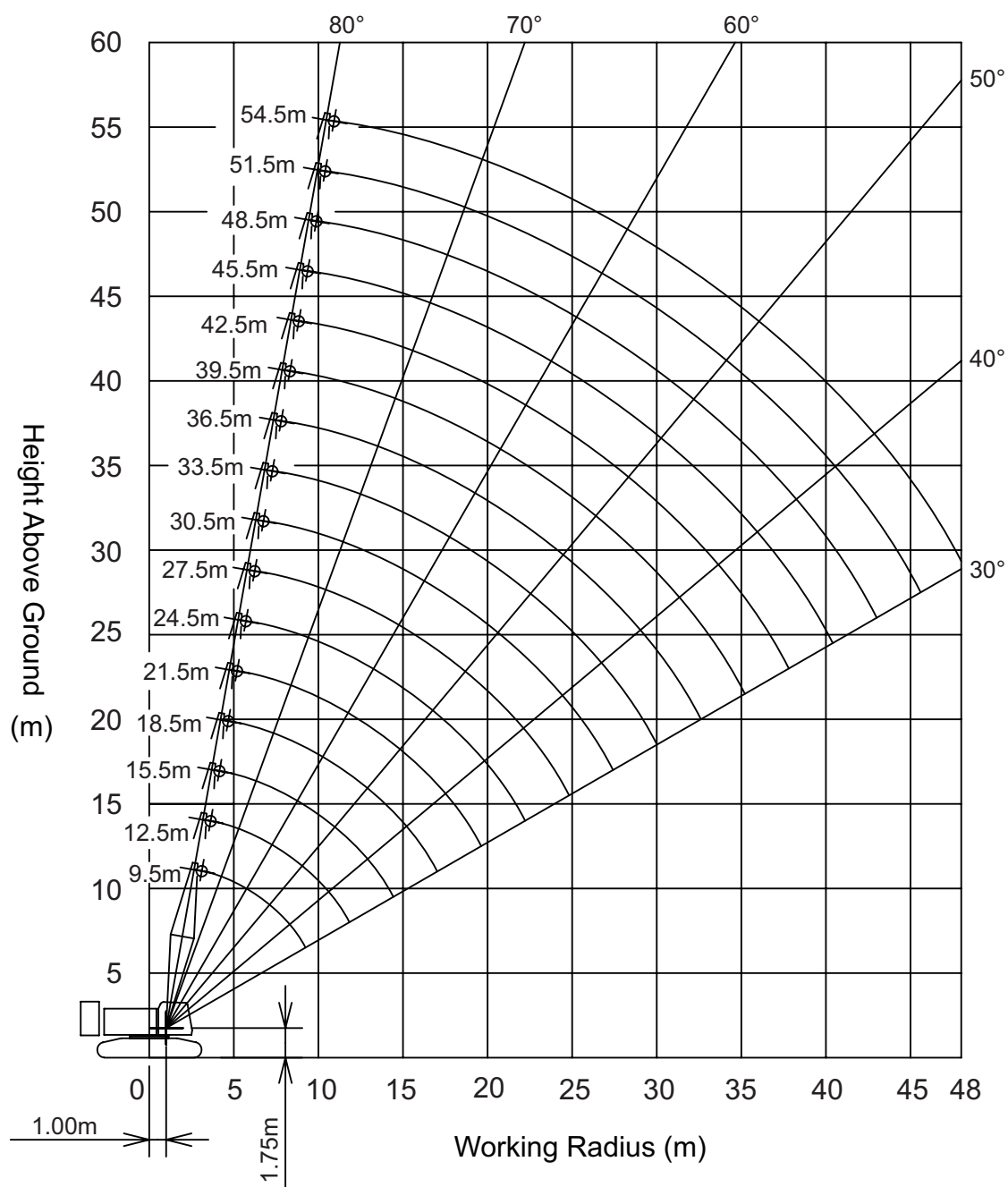
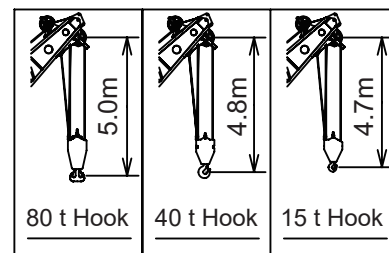
Pendant Rope

Symbols	Length (m)	Rope Diameter (mm)	Imprint
2.85	2.85	20	□ • △ • 20 • 2.9 • S
8.45	8.45	20	□ • △ • 20 • 8.5 • S
18.35	18.35	20	□ • △ • 20 • 18 • S
29.5	29.5	20	□ • △ • 20 • 30 • S

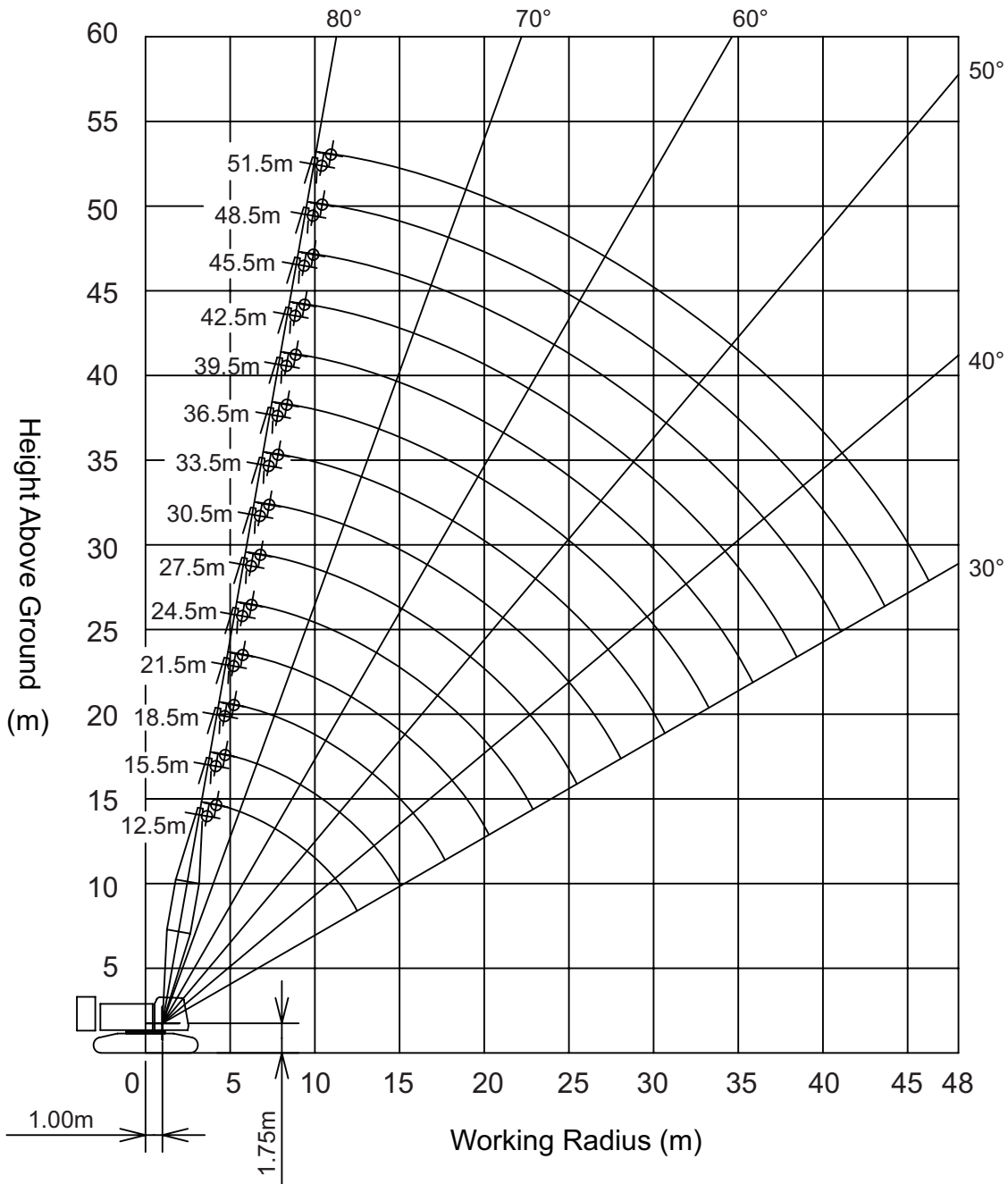
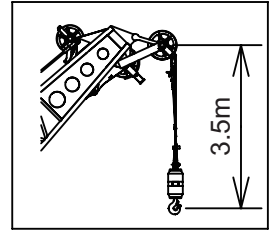


Working Ranges

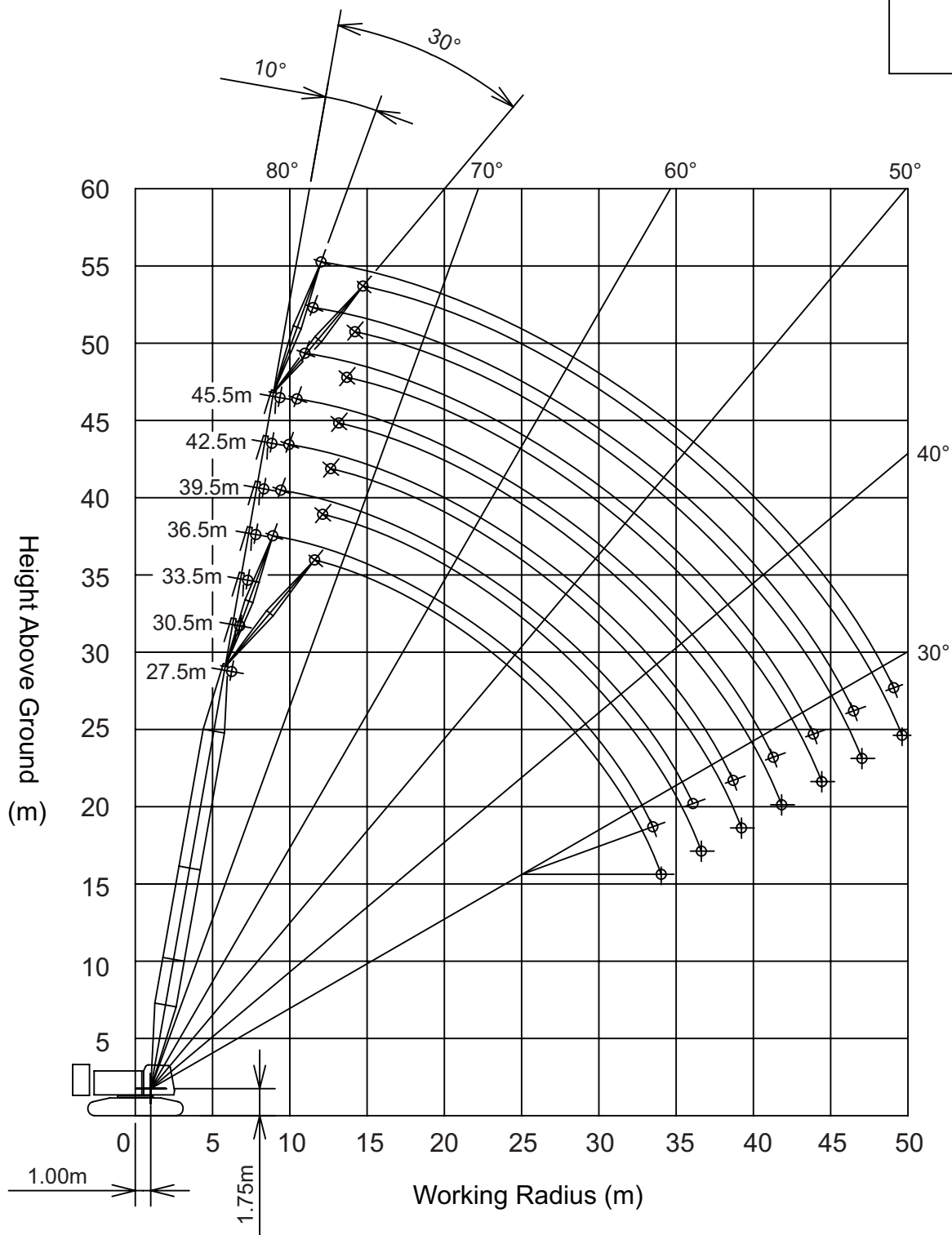
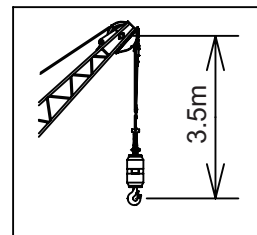
■ Main Boom



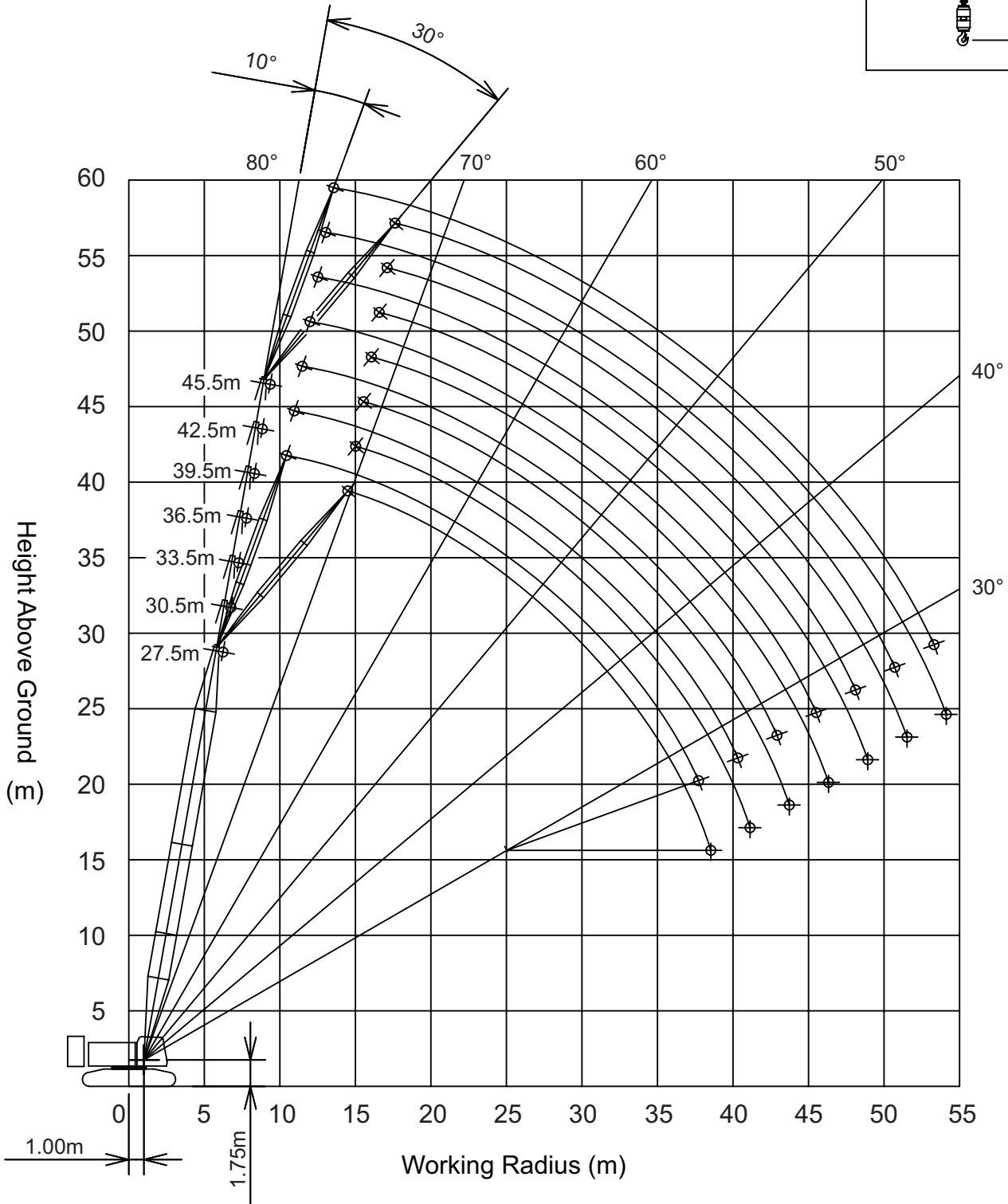
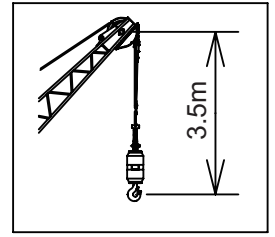
■ Aux. Sheave



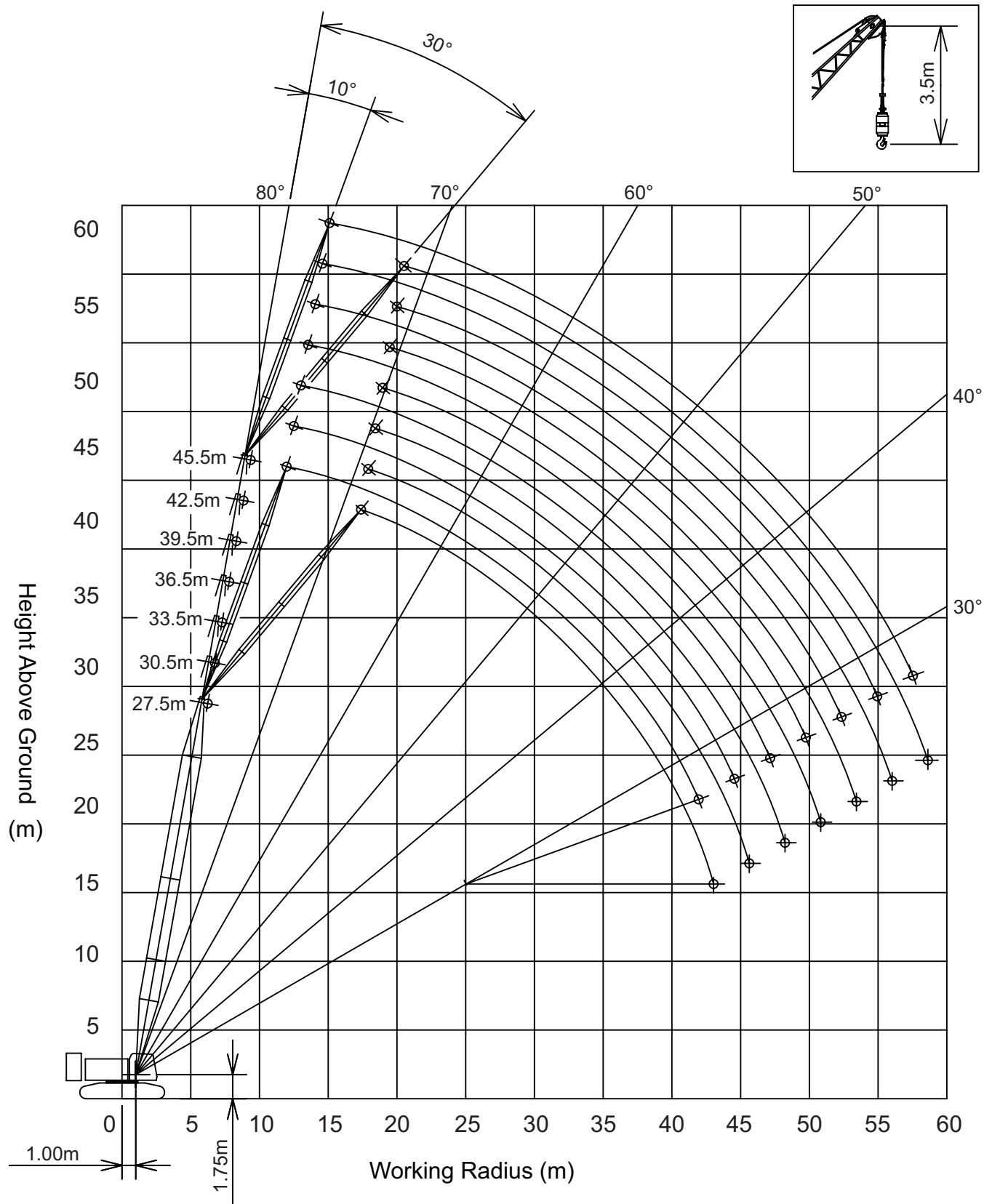
■ Crane Jib 9m



■ Crane Jib 13.5m



■ Crane Jib 18m



Gross Rated Load Table

Main Boom



Working Radius (m)	Boom Length (m)									Working Radius (m)
	9.5	12.5	15.5	18.5	21.5	24.5	27.5	30.5	33.5	
3.2	80.00	3.8m x								3.2
3.5	80.00	76.75t	4.3m x							3.5
4	73.25	73.10	68.10t	4.9m x						4
4.5	65.50	65.35	65.20	60.00t	5.4m x					4.5
5	59.20	59.05	58.90	58.85	52.75t					5
5.5	52.50	53.85	53.70	52.75	51.55		6.5m x			5.5
6	46.15	48.55	48.35	47.40	46.35	45.55	40.75t	7.1m x	7.6m x	6
7	36.45	39.60	39.65	39.40	38.60	37.90	37.30	36.25t	32.75t	7
8	29.15	32.65	32.55	32.55	32.50	32.45	31.90	31.45	30.80	8
9	23.10	27.65	27.55	27.55	27.45	27.45	27.40	27.35	26.85	9
10	9.4m x	23.60	23.85	23.80	23.75	23.70	23.65	23.60	23.50	10
12	20.85t	16.55	18.70	18.65	18.55	18.50	18.45	18.35	18.30	12
14			14.80	15.20	15.10	15.05	15.00	14.90	14.85	14
16			14.6m x	12.80	12.70	12.60	12.55	12.45	12.40	16
18			13.45t	17.2m x	10.85	10.80	10.75	10.65	10.55	18
20				11.20t	19.8m x	9.40	9.30	9.20	9.15	20
22					9.40t	8.30	8.20	8.10	8.00	22
24						22.4m x	7.30	7.20	7.10	24
26						8.05t	25.0m x	6.40	6.30	26
28							6.90t	27.6m x	5.65	28
30								5.85t	5.10	30
32									30.2m x	32
34									5.05t	34

Working Radius (m)	Boom Length (m)							Working Radius (m)
	36.5	39.5	42.5	45.5	48.5	51.5	54.5	
7	8.2m x	8.7m x						7
8	29.75t	27.20t	9.3m x	9.8m x				8
9	26.65	26.10	25.20t	23.20t	10.3m x	10.9m x	11.5m x	9
10	23.45	23.05	23.05	22.65	21.40t	19.65t	14.00t	10
12	18.25	18.15	18.10	18.05	17.80	17.45	14.00	12
14	14.80	14.70	14.65	14.55	14.45	14.35	14.00	14
16	12.35	12.20	12.20	12.10	11.95	11.90	11.90	16
18	10.50	10.40	10.35	10.25	10.15	10.05	10.00	18
20	9.05	8.95	8.90	8.80	8.70	8.55	8.55	20
22	7.95	7.80	7.75	7.65	7.50	7.40	7.35	22
24	7.00	6.85	6.80	6.70	6.55	6.45	6.40	24
26	6.20	6.05	6.00	5.90	5.75	5.65	5.60	26
28	5.55	5.40	5.35	5.25	5.10	4.95	4.90	28
30	5.00	4.85	4.75	4.65	4.50	4.40	4.35	30
32	4.50	4.35	4.30	4.15	4.00	3.90	3.85	32
34	32.8m x	3.90	3.85	3.75	3.60	3.45	3.40	34
36	4.30t	35.4m x	3.45	3.35	3.20	3.10	3.00	36
38		3.65t	3.15	3.00	2.85	2.75	2.70	38
40				2.70	2.55	2.45	2.40	40
42				40.6m x	2.30	2.20	2.10	42
44				2.65t	43.2m x	1.95	1.85	44
46					2.15t	45.8m x	1.65	46
48						1.75t	1.45	48
50							48.3m x	50
							1.40t	

- Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labour and Welfare, Japan.
- Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
- Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
- 27.9ton counter weight is required for all capacities on this chart.
- Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
- Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

Hook Capacity	Hook Mass(ton)	Maximum Rated Load (ton)									
		11falls	10falls	9falls	8falls	7falls	6falls	5falls	4falls	3falls	2falls
80t	0.80	80	70	63	56	49	42	35	28	21	14
40t	0.52	-	-	-	-	-	40	35	28	21	14
15t	0.32	-	-	-	-	-	-	-	-	15	14

■ Aux. Sheave



Working Radius (m)	Boom Length (m)									Working Radius (m)
	12.5	15.5	18.5	21.5	24.5	27.5	30.5	33.5	36.5	
4.6	7.00	5.1m x								4.6
5	7.00	7.00t	5.7m x							5
5.5	7.00	7.00	7.00t	6.2m x	6.8m x					5.5
6	7.00	7.00	7.00	7.00t	7.00t	7.3m x	7.9m x			6
7	7.00	7.00	7.00	7.00	7.00	7.00t	7.00t	8.4m x		7
8	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00t		8
9	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	9
10	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	10
12	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	12
14	13.1m x	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	14
16	7.00t	15.7m x	7.00	7.00	7.00	7.00	7.00	7.00	7.00	16
18		7.00t	7.00	7.00	7.00	7.00	7.00	7.00	7.00	18
20			18.3m x	7.00	7.00	7.00	7.00	7.00	7.00	20
22			7.00t	20.9m x	7.00	7.00	7.00	7.00	7.00	22
24				7.00t	23.5m x	7.00	7.00	6.90	6.80	24
26					7.00t	6.35	6.25	6.10	6.05	26
28						26.1m x	5.55	5.45	5.35	28
30						6.35t	28.7m x	4.90	4.80	30
32							5.35t	31.3m x	4.30	32
34								4.55t	33.9m x	34
36									3.90t	36

Working Radius (m)	Boom Length (m)					Working Radius (m)
	39.5	42.5	45.5	48.5	51.5	
8	9.5m x					8
9	7.00t	10.1m x	10.6m x	11.1m x	11.7m x	9
10	7.00	7.00t	7.00t	7.00t	7.00t	10
12	7.00	7.00	7.00	7.00	7.00	12
14	7.00	7.00	7.00	7.00	7.00	14
16	7.00	7.00	7.00	7.00	7.00	16
18	7.00	7.00	7.00	7.00	7.00	18
20	7.00	7.00	7.00	7.00	7.00	20
22	7.00	7.00	7.00	7.00	7.00	22
24	6.70	6.60	6.50	6.35	6.25	24
26	5.90	5.80	5.70	5.55	5.45	26
28	5.20	5.15	5.00	4.85	4.75	28
30	4.65	4.55	4.45	4.30	4.20	30
32	4.15	4.05	3.95	3.80	3.70	32
34	3.70	3.65	3.50	3.35	3.25	34
36	3.35	3.25	3.15	3.00	2.85	36
38	36.5m x	2.90	2.80	2.65	2.50	38
40	3.25t	39.1m x	2.50	2.35	2.20	40
42		2.75t	41.7m x	2.05	1.95	42
44			2.25t	1.85	1.70	44
46				44.3m x	1.50	46
48				1.80t	46.9m x	48
					1.40t	

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labour and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
5. 27.9ton counter weight is required for all capacities on this chart.
6. Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
7. Hook mass are shown in the table below.

Hook Capacity	Hook Mass(ton)
80t	0.80
40t	0.52
15t	0.32
7t	0.26

Main Boom with Aux. Sheave



Unit : ton

Working Radius (m)	Boom Length (m)									Working Radius (m)
	12.5	15.5	18.5	21.5	24.5	27.5	30.5	33.5	36.5	
3.8	76.30	4.3m x								3.8
4	72.70	67.70t	4.9m x							4
4.5	64.95	64.80	59.55t	5.4m x						4.5
5	58.65	58.50	58.40	52.30t						5
5.5	53.45	53.30	52.30	51.15		6.5m x				5.5
6	48.15	47.90	47.00	45.95	45.10	40.30t	7.1m x	7.6m x		6
7	39.15	39.40	38.95	38.15	37.45	36.85	35.75t	32.25t	8.2m x	7
8	32.40	32.35	32.30	32.25	31.95	31.40	30.95	30.30	29.25t	8
9	27.35	27.35	27.30	27.20	27.20	27.15	26.95	26.35	26.15	9
10	23.10	23.65	23.60	23.50	23.45	23.40	23.35	23.25	23.05	10
12	16.10	18.45	18.40	18.30	18.25	18.20	18.10	18.05	18.00	12
14		14.30	15.00	14.90	14.85	14.75	14.65	14.60	14.55	14
16		14.6m x	12.60	12.45	12.40	12.30	12.20	12.15	12.05	16
18		13.00t	17.2m x	10.65	10.60	10.50	10.40	10.30	10.25	18
20			10.75t	19.8m x	9.20	9.10	9.00	8.90	8.80	20
22				8.95t	7.90	7.95	7.85	7.75	7.65	22
24					22.4m x	7.05	6.90	6.80	6.70	24
26					7.55t	25.0m x	6.15	6.00	5.95	26
28						6.45t	27.6m x	5.35	5.25	28
30							5.45t	4.70	4.70	30
32								30.2m x	4.20	32
34								4.60t	32.8m x	34
36									3.90t	36

Unit : ton

Working Radius (m)	Boom Length (m)					Working Radius (m)
	39.5	42.5	45.5	48.5	51.5	
7	8.7m x					7
8	26.65t	9.3m x	9.8m x			8
9	25.60	24.65t	22.65t	10.3m x	10.9m x	9
10	22.50	22.55	22.10	20.85t	15.00t	10
12	17.85	17.85	17.60	17.20	15.00	12
14	14.40	14.35	14.25	14.15	13.85	14
16	11.95	11.90	11.80	11.70	11.60	16
18	10.10	10.05	9.95	9.85	9.70	18
20	8.70	8.60	8.50	8.35	8.25	20
22	7.50	7.45	7.35	7.20	7.05	22
24	6.55	6.50	6.40	6.25	6.10	24
26	5.80	5.70	5.60	5.45	5.30	26
28	5.10	5.05	4.90	4.75	4.65	28
30	4.55	4.50	4.35	4.20	4.10	30
32	4.05	4.00	3.85	3.70	3.60	32
34	3.65	3.55	3.45	3.30	3.15	34
36	35.4m x	3.20	3.05	2.90	2.80	36
38	3.20t	2.70	2.75	2.55	2.45	38
40			2.30	2.30	2.15	40
42			40.6m x	1.90	1.85	42
44			2.15t	43.2m x	1.50	44
46				1.65t	45.8m x	46
					1.20t	

- Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labour and Welfare, Japan.
- Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
- Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
- 27.9ton counter weight is required for all capacities on this chart.
- Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
- Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

Hook Capacity	Hook Mass(ton)	Maximum Rated Load (ton)									
		11falls	10falls	9falls	8falls	7falls	6falls	5falls	4falls	3falls	2falls
80t	0.80	80	70	63	56	49	42	35	28	21	14
40t	0.52	-	-	-	-	-	40	35	28	21	14
15t	0.32	-	-	-	-	-	-	-	-	15	14

■ Crane Jib



Unit : ton

Boom Length (m)	27.5						Boom Length (m)
Jib Length (m)	9		13.5		18		Jib Length (m)
Offset Angle (deg)	10		30		10		Offset Angle (deg)
Working Radius (m)	10		30		10		Working Radius (m)
9	9.5m x 7.00t		11.1m x 7.00t		12.7m x 7.00t		9
10	7.00	12.2m x 7.00t	7.00	15.1m x 6.20t	7.00		10
12	7.00	7.00	7.00	6.05	7.00	18.1m x 4.40t	12
14	7.00	7.00	7.00	5.65	7.00	4.15	14
16	7.00	7.00	7.00	5.30	7.00		16
18	7.00	7.00	7.00	5.05	7.00	3.90	18
20	7.00	7.00	7.00	4.80	7.00	3.65	20
22	7.00	7.00	7.00	4.55	7.00	3.50	22
24	7.00	7.00	7.00	4.35	7.00	3.30	24
26	6.45	6.60	6.60	4.20	5.20	3.15	26
28	5.80	5.90	5.90	4.05	4.90	3.05	28
30	5.20	5.30	5.35	3.95	4.45	2.95	30
32	4.70	4.75	4.80	3.85	4.05	2.85	32
34	33.7m x 4.35t	4.30	4.40	3.70	3.75	2.75	34
36		34.2m x 4.25t	4.00	38.7m x 3.60t	3.40	2.70	36
38			37.9m x 3.65t		3.15	2.65	38
40					42.2m x 3.10t	43.2m x 2.65t	40
42							42
44							44
46							46

Unit : ton

Boom Length (m)	30.5						Boom Length (m)
Jib Length (m)	9		13.5		18		Jib Length (m)
Offset Angle (deg)	10		30		10		Offset Angle (deg)
Working Radius (m)	10		30		10		Working Radius (m)
9	10.1m x 7.00t		11.6m x 7.00t		13.2m x 7.00t		9
10	7.00	12.8m x 7.00t	7.00	15.7m x 6.20t	7.00		10
12	7.00	7.00	7.00	6.15	7.00	18.6m x 4.40t	12
14	7.00	7.00	7.00	5.75	7.00	4.20	14
16	7.00	7.00	7.00	5.45	7.00		16
18	7.00	7.00	7.00	5.15	7.00	3.95	18
20	7.00	7.00	7.00	4.90	7.00	3.75	20
22	7.00	7.00	7.00	4.70	7.00	3.60	22
24	7.00	7.00	7.00	4.50	7.00	3.40	24
26	6.30	6.50	6.45	4.35	5.30	3.25	26
28	5.65	5.75	5.80	4.20	4.80	3.15	28
30	5.05	5.15	5.20	4.05	4.35	3.00	30
32	4.55	4.65	4.70	3.95	3.95	2.90	32
34	4.15	4.20	4.25	3.60	3.60	2.80	34
36	3.75	3.80	3.85	3.25	3.30	2.75	36
38	36.3m x 3.70t	36.8m x 3.65t	3.50	40.5m x 3.15t	41.3m x 3.05t	2.70	38
40			3.20			2.65	40
42					44.8m x 2.65t	45.8m x 2.60t	42
44							44
46							46
48							48

- Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labour and Welfare, Japan.
- Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
- Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
- 27.9ton counterweight is required for all capacities on this chart.
- Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
- Hook mass are shown in the table below.

Hook Capacity	Hook Mass(ton)
80t	0.80
40t	0.52
15t	0.32
7t	0.26

■ Crane Jib



Unit : ton

Boom Length (m)	33.5						Boom Length (m)
Jib Length (m)	9		13.5		18		Jib Length (m)
Offset Angle (deg)	10	30	10	30	10	30	Offset Angle (deg)
Working Radius (m)							Working Radius (m)
9	10.6m x						9
10	7.00t						10
12		13.3m x	12.2m x		13.8m x		12
14	7.00	7.00t	7.00t		7.00t		14
16	7.00	7.00	7.00	16.2m x	7.00		16
18	7.00	7.00	7.00	6.20t	7.00	19.2m x	18
20	7.00	7.00	7.00	5.90	7.00	4.35t	20
22	7.00	7.00	7.00	5.55	7.00	4.25	22
24	7.00	7.00	7.00	5.30	7.00	4.05	24
26	7.00	7.00	7.00	5.05	7.00	3.85	26
28	6.20	6.40	6.35	4.80	6.45	3.65	28
30	5.50	5.65	5.65	4.65	5.75	3.50	30
32	4.95	5.05	5.05	4.45	5.15	3.35	32
34	4.45	4.55	4.55	4.30	4.65	3.20	34
36	4.00	4.10	4.10	4.15	4.20	3.10	36
38	3.60	3.65	3.75	3.85	3.80	3.00	38
40	3.30	3.30	3.40	3.50	3.45	2.90	40
42	38.9m x	39.4m x	3.10	3.15	3.15	2.80	42
44	3.15t	3.10t	2.80	2.85	2.90	2.75	44
46			43.1m x	43.9m x	2.60	2.70	46
48			2.65t	2.60t	2.40	2.45	48
50					47.4m x	2.25	50
52					2.25t	48.4m x	52
54						2.20t	54

Unit : ton

Boom Length (m)	36.5						Boom Length (m)
Jib Length (m)	9		13.5		18		Jib Length (m)
Offset Angle (deg)	10	30	10	30	10	30	Offset Angle (deg)
Working Radius (m)							Working Radius (m)
9	11.2m x						9
10	7.00t						10
12		13.9m x	12.7m x		14.3m x		12
14	7.00	7.00t	7.00t		7.00t		14
16	7.00	7.00	7.00	16.8m x	7.00		16
18	7.00	7.00	7.00	6.20t	7.00	19.7m x	18
20	7.00	7.00	7.00	6.00	7.00	4.35t	20
22	7.00	7.00	7.00	5.65	7.00	4.35	22
24	7.00	7.00	7.00	5.40	7.00	4.10	24
26	6.90	7.00	7.00	5.15	7.00	3.90	26
28	6.10	6.30	6.25	4.95	6.35	3.75	28
30	5.40	5.60	5.55	4.75	5.65	3.55	30
32	4.85	5.00	4.95	4.55	5.10	3.45	32
34	4.35	4.45	4.45	4.40	4.55	3.30	34
36	3.90	4.00	4.00	4.20	4.10	3.15	36
38	3.50	3.60	3.60	3.80	3.70	3.05	38
40	3.15	3.20	3.25	3.40	3.35	2.95	40
42	2.85	2.90	2.95	3.05	3.05	2.90	42
44	41.5m x	2.60	2.70	2.75	2.75	2.80	44
46	2.65t		2.45	2.50	2.50	2.65	46
48			45.7m x	2.25	2.30	2.40	48
50			2.25t	46.5m x	2.10	2.15	50
52				2.20t	1.90	1.95	52
54						51.0m x	54
						1.85t	

* For notes about the table above, refer to page 18.

■ Crane Jib



Unit : ton						
Boom Length (m)	39.5					
Jib Length (m)	9		13.5		18	
Offset Angle (deg)	10		30		10	
Working Radius (m)	30		30		30	
9	11.7m x 7.00t		13.3m x 7.00t		14.9m x 7.00t	
10						
12	7.00	14.4m x 7.00t	7.00	17.3m x 6.20t	7.00	20.2m x 4.35t
14	7.00	7.00	7.00	6.05	7.00	4.20
16	7.00	7.00	7.00	5.75	7.00	4.00
18	7.00	7.00	7.00	5.50	7.00	3.80
20	7.00	7.00	7.00	5.25	7.00	3.65
22	7.00	7.00	7.00	5.05	7.00	3.50
24	6.75	7.00	6.95	4.85	7.00	3.35
26	5.95	6.20	6.10	4.65	7.00	3.25
28	5.25	5.45	5.40	4.50	7.00	3.15
30	4.70	4.85	4.85	4.40	7.00	3.05
32	4.20	4.30	4.30	4.05	7.00	2.95
34	3.75	3.85	3.85	3.95	7.00	2.80
36	3.35	3.45	3.45	3.65	7.00	2.65
38	3.00	3.10	3.10	3.30	7.00	2.50
40	2.70	2.75	2.80	2.95	7.00	2.25
42	2.45	2.50	2.55	2.65	7.00	2.05
44	2.20	2.20	2.30	2.35	7.00	1.80
46	44.1m x 2.20t	44.6m x 2.15t	2.05	2.10	2.15	2.05
48			1.85	1.90	1.90	1.80
50			48.3m x 1.80t	49.1m x 1.80t	1.75	1.60
52					1.55	1.45
54					52.5m x 1.50t	53.6m x 1.45t
56						

Unit : ton						
Boom Length (m)	42.5					
Jib Length (m)	9		13.5		18	
Offset Angle (deg)	10		30		10	
Working Radius (m)	30		30		30	
10	12.3m x 7.00t		13.8m x 7.00t		15.4m x 7.00t	
12						
14	7.00	14.9m x 7.00t	7.00	17.9m x 6.15t	7.00	20.8m x 4.35t
16	7.00	7.00	7.00	6.15	7.00	4.25
18	7.00	7.00	7.00	6.15	7.00	4.05
20	7.00	7.00	7.00	5.85	7.00	3.85
22	7.00	7.00	7.00	5.60	7.00	3.70
24	6.70	6.95	6.85	5.35	7.00	3.55
26	5.90	6.10	6.05	5.15	6.15	3.45
28	5.20	5.40	5.35	4.95	5.45	3.30
30	4.60	4.80	4.75	4.75	4.85	3.20
32	4.10	4.25	4.25	4.50	4.35	3.10
34	3.65	3.80	3.80	4.00	3.90	3.00
36	3.25	3.40	3.40	3.60	3.50	2.95
38	2.90	3.00	3.05	3.20	3.15	2.85
40	2.60	2.70	2.70	2.90	2.80	2.75
42	2.35	2.40	2.45	2.55	2.55	2.45
44	2.10	2.15	2.20	2.30	2.25	2.20
46	1.85	1.90	1.95	2.05	2.05	1.95
48	46.7m x 1.80t	47.2m x 1.75t	1.75	1.80	1.85	1.75
50			1.55	1.60	1.65	1.55
52			50.9m x 1.45t	51.7m x 1.45t	1.45	1.40
54					1.30	1.35

* For notes about the table above, refer to page 18.

■ Crane Jib



Unit : ton

Boom Length (m)	45.5						Boom Length (m)
Jib Length (m)	9		13.5		18		Jib Length (m)
Offset Angle (deg)							Offset Angle (deg)
Working Radius (m)	10	30	10	30	10	30	Working Radius (m)
10	12.8m x						10
12	7.00t	15.5m x	14.4m x				12
14	7.00	7.00t	7.00t				14
16	7.00	7.00	7.00	18.4m x	7.00		16
18	7.00	7.00	7.00	6.15t	7.00	21.3m x	18
20	7.00	7.00	7.00	5.95	7.00	4.35t	20
22	7.00	7.00	7.00	5.70	7.00	4.30	22
24	6.55	6.85	6.75	5.45	6.90	4.10	24
26	5.75	6.00	5.90	5.25	6.05	3.95	26
28	5.05	5.30	5.20	5.05	5.35	3.75	28
30	4.50	4.70	4.60	4.85	4.75	3.65	30
32	3.95	4.15	4.10	4.40	4.20	3.50	32
34	3.55	3.70	3.65	3.90	3.75	3.40	34
36	3.15	3.25	3.25	3.50	3.35	3.25	36
38	2.80	2.90	2.90	3.10	3.00	3.15	38
40	2.50	2.60	2.60	2.75	2.70	2.95	40
42	2.20	2.30	2.30	2.45	2.40	2.65	42
44	1.95	2.00	2.05	2.20	2.15	2.35	44
46	1.75	1.80	1.85	1.95	1.90	2.10	46
48	1.55	1.55	1.60	1.70	1.70	1.85	48
50	49.3m x	49.8m x	1.45	1.50	1.50	1.65	50
52	1.35t	1.35t	1.25	1.30	1.35	1.45	52
54						1.25	54

* For notes about the table above, refer to page 18.

Main Boom with Crane Jib



Unit : ton							Unit : ton	
Boom Length (m)	27.5						Boom Length (m)	
Jib Length (m)	13.5						Jib Length (m)	
Offset Angle (deg)	18						Offset Angle (deg)	
Working Radius (m)	10	30	10	30	10	30	Working Radius (m)	
6.5	39.55	39.25	39.15	38.65	38.70	37.90	6.5	
7	36.10	35.80	35.70	35.20	35.25	34.55	7	
8	30.70	30.45	30.30	29.90	29.85	29.25	8	
9	26.55	26.40	26.25	25.90	25.85	25.30	9	
10	22.80	22.65	22.50	22.25	22.20	21.80	10	
12	17.60	17.50	17.35	17.15	17.00	16.75	12	
14	14.15	14.05	13.90	13.75	13.60	13.35	14	
16	11.70	11.65	11.45	11.35	11.15	10.95	16	
18	9.90	9.85	9.60	9.50	9.30	9.15	18	
20	8.45	8.40	8.20	8.10	7.85	7.75	20	
22	7.30	7.25	7.05	7.00	6.75	6.65	22	
24	6.30	6.30	6.00	5.95	5.70	5.65	24	
26	25.0m x	25.0m x	25.0m x	25.0m x	25.0m x	25.0m x	26	
28	5.65t	5.60t	5.35t	5.30t	5.00t	5.00t	28	

Unit : ton							Unit : ton	
Boom Length (m)	30.5						Boom Length (m)	
Jib Length (m)	13.5						Jib Length (m)	
Offset Angle (deg)	18						Offset Angle (deg)	
Working Radius (m)	10	30	10	30	10	30	Working Radius (m)	
6.5	7.1m x	7.1m x	7.1m x	7.1m x	7.1m x	7.1m x	6.5	
7	35.05t	34.75t	34.65t	34.15t	34.20t	33.50t	7	
8	30.25	30.00	29.85	29.45	29.45	28.85	8	
9	26.20	25.95	25.85	25.45	25.45	24.90	9	
10	22.75	22.60	22.45	22.20	22.15	21.75	10	
12	17.55	17.40	17.25	17.05	16.95	16.65	12	
14	14.10	14.00	13.85	13.65	13.55	13.30	14	
16	11.65	11.55	11.40	11.25	11.10	10.90	16	
18	9.80	9.75	9.55	9.40	9.20	9.05	18	
20	8.35	8.30	8.10	8.00	7.80	7.65	20	
22	7.20	7.15	6.95	6.85	6.65	6.55	22	
24	6.25	6.20	6.00	5.95	5.70	5.65	24	
26	5.50	5.45	5.20	5.20	4.90	4.85	26	
28	27.6m x	27.6m x	27.6m x	27.6m x	27.6m x	27.6m x	28	
30	4.65t	4.65t	4.40t	4.35t	4.05t	4.05t	30	

Unit : ton							Unit : ton	
Boom Length (m)	33.5						Boom Length (m)	
Jib Length (m)	13.5						Jib Length (m)	
Offset Angle (deg)	18						Offset Angle (deg)	
Working Radius (m)	10	30	10	30	10	30	Working Radius (m)	
6.5	7.6m x	7.6m x	7.6m x	7.6m x	7.6m x	7.6m x	6.5	
7	31.55t	31.25t	31.15t	30.70t	30.75t	30.05t	7	
8	29.60	29.35	29.25	28.80	28.80	28.20	8	
9	25.60	25.40	25.25	24.90	24.85	24.30	9	
10	22.50	22.35	22.20	21.85	21.80	21.35	10	
12	17.45	17.35	17.20	17.00	16.90	16.60	12	
14	14.00	13.90	13.75	13.60	13.45	13.20	14	
16	11.55	11.45	11.30	11.15	11.00	10.80	16	
18	9.70	9.65	9.45	9.30	9.15	8.95	18	
20	8.25	8.20	8.00	7.90	7.70	7.55	20	
22	7.10	7.05	6.85	6.75	6.55	6.45	22	
24	6.15	6.10	5.90	5.85	5.60	5.50	24	
26	5.35	5.35	5.10	5.05	4.85	4.75	26	
28	4.70	4.70	4.45	4.45	4.20	4.15	28	
30	3.95	3.90	3.65	3.65	3.35	3.30	30	
32	30.2m x	30.2m x	30.2m x	30.2m x	30.2m x	30.2m x	32	
34	3.85t	3.85t	3.55t	3.55t	3.25t	3.25t	34	

- Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labour and Welfare, Japan.
- Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
- Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
- 27.9ton counterweight is required for all capacities on this chart.
- Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
- Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

Hook Capacity	Hook Mass(ton)	Maximum Rated Load (ton)									
		11falls	10falls	9falls	8falls	7falls	6falls	5falls	4falls	3falls	2falls
80t	0.80	80	70	63	56	49	42	35	28	21	14
40t	0.52	-	-	-	-	-	40	35	28	21	14
15t	0.32	-	-	-	-	-	-	-	-	15	14

■ Main Boom with Crane Jib



36.5							Unit : ton
Boom Length (m)	9		13.5		18		Boom Length (m)
Jib Length (m)							Jib Length (m)
Offset Angle (deg)							Offset Angle (deg)
Working Radius (m)	10	30	10	30	10	30	Working Radius (m)
7	8.2m x	8.2m x	8.2m x	8.2m x	8.2m x	8.2m x	7
8	28.55t	28.30t	28.20t	27.75t	27.80t	27.15t	8
9	25.40	25.20	25.05	24.70	24.65	24.10	9
10	22.30	22.10	21.95	21.65	21.60	21.10	10
12	17.45	17.30	17.15	16.95	16.90	16.55	12
14	13.95	13.85	13.70	13.55	13.45	13.20	14
16	11.50	11.40	11.25	11.10	10.95	10.75	16
18	9.65	9.55	9.40	9.25	9.10	8.90	18
20	8.20	8.10	7.90	7.80	7.65	7.50	20
22	7.00	6.95	6.75	6.70	6.50	6.35	22
24	6.05	6.00	5.80	5.75	5.55	5.45	24
26	5.30	5.25	5.05	5.00	4.75	4.70	26
28	4.65	4.60	4.40	4.35	4.10	4.05	28
30	4.05	4.05	3.85	3.80	3.55	3.50	30
32	3.45	3.45	3.20	3.15	2.90	2.85	32
34	32.8m x	32.8m x	32.8m x	32.8m x	32.8m x	32.8m x	34
36	3.15t	3.15t	2.90t	2.85t	2.60t	2.55t	36

39.5							Unit : ton
Boom Length (m)	9		13.5		18		Boom Length (m)
Jib Length (m)							Jib Length (m)
Offset Angle (deg)							Offset Angle (deg)
Working Radius (m)	10	30	10	30	10	30	Working Radius (m)
7	8.7m x	8.7m x	8.7m x	8.7m x	8.7m x	8.7m x	7
8	25.95t	25.70t	25.60t	25.20t	25.20t	24.60t	8
9	24.85	24.65	24.50	24.15	24.15	23.55	9
10	21.80	21.60	21.45	21.10	21.10	20.60	10
12	17.30	17.20	17.00	16.75	16.65	16.30	12
14	13.85	13.75	13.60	13.40	13.35	13.05	14
16	13.85	11.30	11.15	10.95	10.85	10.60	16
18	9.50	9.40	9.25	9.10	8.95	8.75	18
20	8.05	7.95	7.80	7.70	7.50	7.35	20
22	6.90	6.80	6.65	6.55	6.35	6.20	22
24	5.95	5.85	5.70	5.60	5.40	5.30	24
26	5.15	5.10	4.90	4.85	4.65	4.55	26
28	4.50	4.45	4.25	4.20	3.95	3.90	28
30	3.90	3.90	3.70	3.65	3.40	3.35	30
32	3.45	3.40	3.20	3.15	2.95	2.90	32
34	2.90	2.90	2.65	2.60	2.35	2.30	34
36	35.4m x	35.4m x	35.4m x	35.4m x	35.4m x	35.4m x	36
38	2.50t	2.45t	2.20t	2.20t	1.95t	1.90t	38

42.5							Unit : ton
Boom Length (m)	9		13.5		18		Boom Length (m)
Jib Length (m)							Jib Length (m)
Offset Angle (deg)							Offset Angle (deg)
Working Radius (m)	10	30	10	30	10	30	Working Radius (m)
8	9.3m x	9.3m x	9.3m x	9.3m x	9.3m x	9.3m x	8
9	23.90t	23.70t	23.60t	23.20t	23.20t	22.65t	9
10	21.80	21.60	21.45	21.10	21.10	20.60	10
12	17.25	17.10	16.95	16.70	16.60	16.20	12
14	13.80	13.70	13.60	13.40	13.30	13.05	14
16	11.35	11.25	11.10	10.95	10.80	10.55	16
18	9.45	9.40	9.20	9.05	8.95	8.75	18
20	8.00	7.90	7.75	7.65	7.45	7.30	20
22	6.85	6.75	6.60	6.50	6.30	6.15	22
24	5.90	5.80	5.65	5.55	5.35	5.25	24
26	5.10	5.05	4.85	4.75	4.60	4.50	26
28	4.40	4.35	4.20	4.10	3.90	3.85	28
30	3.85	3.80	3.60	3.55	3.35	3.30	30
32	3.35	3.35	3.15	3.10	2.90	2.80	32
34	2.95	2.90	2.70	2.65	2.45	2.40	34
36	2.50	2.45	2.25	2.20	1.95	1.90	36
38	1.95	1.95	1.70	1.65	1.40	1.40	38

* For notes about the table above, refer to page 22.

Main Boom with Crane Jib



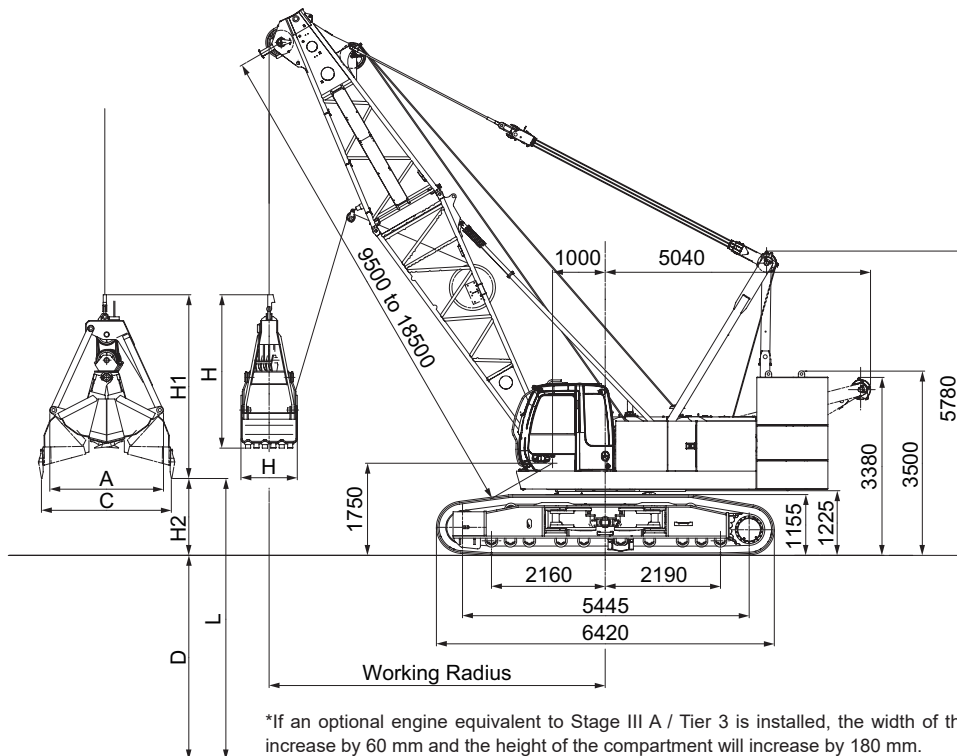
Unit : ton

Boom Length (m)	45.5						Boom Length (m)
Jib Length (m)	9		13.5		18		Jib Length (m)
Offset Angle (deg)	10		30		10		Offset Angle (deg)
Working Radius (m)	10		30		10		Working Radius (m)
8	9.8m x	9.8m x	9.8m x	9.8m x	9.8m x	9.8m x	8
9	21.95t	21.70t	21.60t	21.25t	21.25t	20.70t	9
10	21.40	21.15	21.05	20.70	20.70	20.15	10
12	16.90	16.70	16.55	16.30	16.25	15.80	12
14	13.75	13.60	13.50	13.25	13.15	12.85	14
16	11.25	11.15	11.00	10.80	10.70	10.45	16
18	9.35	9.25	9.10	8.95	8.80	8.60	18
20	7.90	7.80	7.65	7.50	7.35	7.20	20
22	6.70	6.65	6.45	6.35	6.20	6.05	22
24	5.75	5.70	5.50	5.45	5.25	5.15	24
26	4.95	4.90	4.75	4.65	4.45	4.35	26
28	4.30	4.25	4.05	4.00	3.80	3.70	28
30	3.75	3.70	3.50	3.45	3.25	3.15	30
32	3.25	3.20	3.00	2.95	2.75	2.70	32
34	2.80	2.80	2.60	2.55	2.35	2.30	34
36	2.45	2.40	2.20	2.15	1.95	1.90	36
38	2.05	2.00	1.80	1.75	1.50	1.45	38
40	1.55	1.55	1.30	1.30			40
42	40.6m x	40.6m x					42
	1.45t	1.40t					

* For notes about the table above, refer to page 22.

Clamshell Specifications

Dimensions and Specifications



*If an optional engine equivalent to Stage III A / Tier 3 is installed, the width of the machine right side will increase by 60 mm and the height of the compartment will increase by 180 mm. The weight will be 300 kg heavier.

Working Ranges

Boom Length	m	9.5				12.5				15.5				18.5			
Boom Angle	°	35	45	55	65	35	45	55	65	35	45	55	65	35	45	55	65
Working Radius	m	9.2	8.2	7.0	5.7	11.7	10.4	8.7	7.0	14.2	12.5	10.5	8.3	16.6	14.6	12.2	9.5
Allowable Gross Weight	t	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Lifting Height L (D + H2)	m	37.4	38.7	39.8	40.7	39.1	40.9	42.3	43.4	40.8	43.0	44.7	46.1	42.5	45.1	47.2	48.9
Max. Excavation Depth D	m	36															
Dumping Height H2	m	1.4	2.7	3.8	4.7	3.1	4.9	6.3	7.4	4.8	7.0	8.7	10.1	6.5	9.1	11.2	12.9

Specifications

Clamshell Specifications		
Bucket Capacity	m ³	0.8/1.0/1.2
Allowable Gross Weight	t	6.0
Boom Length	m	9.5 to 18.5
Max. Excavation Depth	m	36
Suspend Line Speed	m/min	*75
Open/Close Line Speed	m/min	*75
Boom Hoist Line Speed	m/min	*62
Boom Lower Line Speed	m/min	*62
Ground Contact Pressure	kPa (kgf/cm ²)	83.0 (0.85) (w/ 9.5m Boom + 1.2 m ³ Bucket)
Operating Weight	t	74.6 (w/ 9.5m Boom + 1.2 m ³ Bucket)

NOTE :

- 1.*Line speeds will vary with the load.
- 2.Data is expressed in SI units, followed by conventional units in ().
- 3.Other specifications, not shown are similar to those for the cranes.

Clamshell Bucket

Capacity (m ³)	Weight (t)	A (mm)	B (mm)	C (mm)	H (mm)	H1 (mm)	Use
0.8	2.00	1880	970	2230	2270	2980	Excavation
1.0	2.45	2020	1070	2430	2430	3150	Excavation
1.2	3.10	2020	1070	2430	2430	3150	Excavation
1.2	2.40	2000	1160	2650	2600	3240	Light Service

Gross Rated Load Table

Working Radius (m)	Boom Length (m)			
	9.5	12.5	15.5	18.5
5.7	6.00			
6	6.00			
7	6.00	6.00	8.3m x	
8	6.00	6.00	6.00t	9.5m x
9	6.00	6.00	6.00	6.00t
10	9.2m x	11.7m x	6.00	6.00
12	6.00t	6.00t	6.00	6.00
14			6.00	6.00
16			14.2m x	6.00
16.6			6.00t	6.00

1. Working radius is the horizontal distance from the swing center to the gravity of lifted load.
2. The rated loads for clamshell do not exceed 70% of tipping load.
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 below, 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 capacity of the bucket according to kinds of load, don't exceed the rated load.
5. The counter weight is 27.9 t.

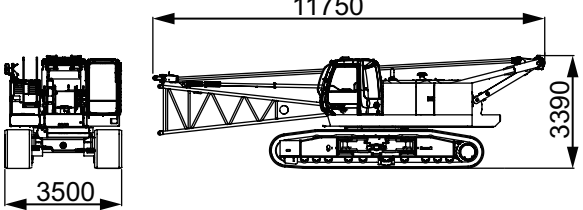
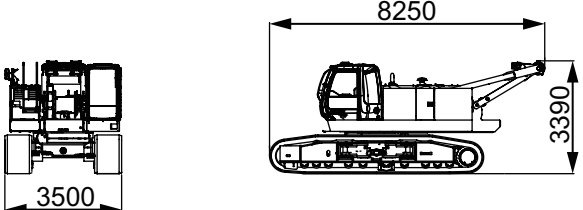
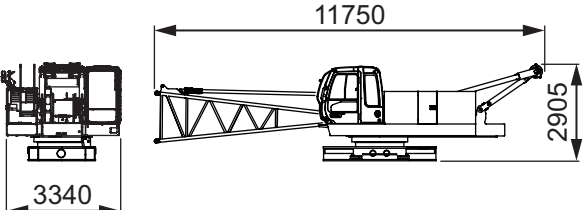
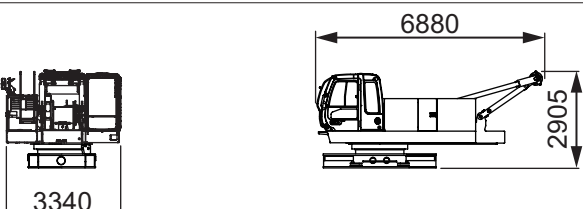
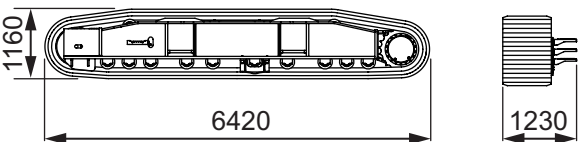
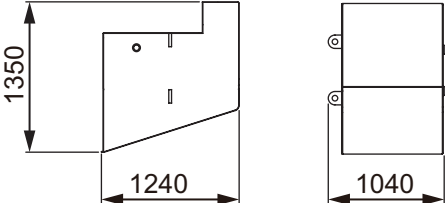
Weights and Dimensions of Disassembled Units

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

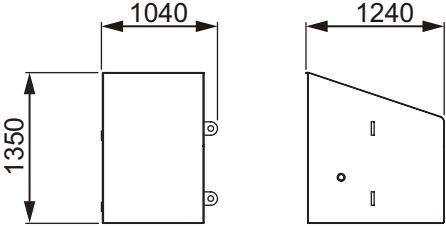
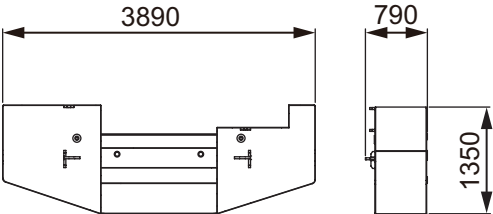
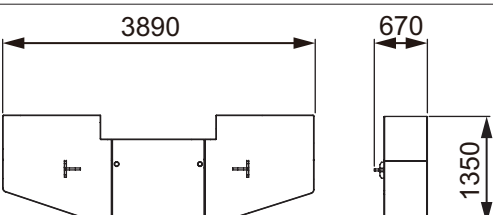
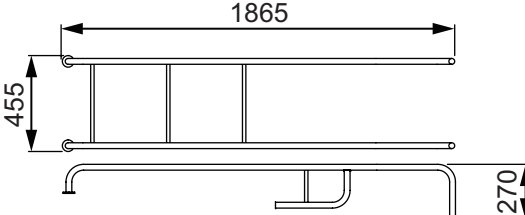
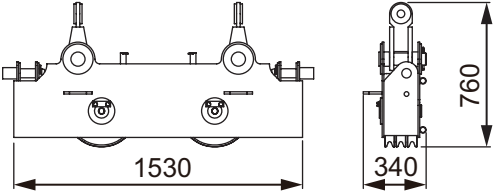
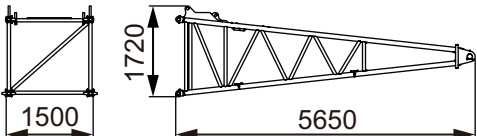
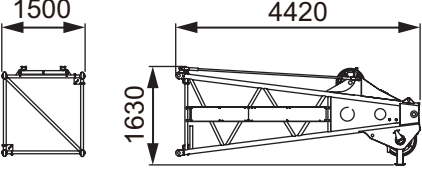
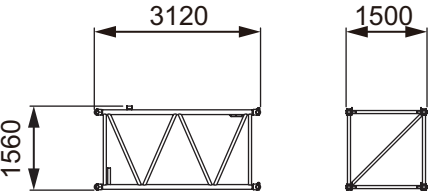
Description	Qty	Dimensions (mm)	Weight (kg)
Base Crane with : Boom Base Front Winch Wire Rope Boom Hoist Wire Rope	*1 1		42600
Base Crane with : Front Winch Wire Rope Boom Hoist Wire Rope	*1 1		41100
Base Crane with Boom Base without Crawler	*1 1		23400
Base Crane without Boom Base without Crawler	*1 1		21900
Crawler	2		9600
Counter Weight Top (Right Side)	1		6000

*1.The illustration shows the transport position for Stage II / Tier 2.

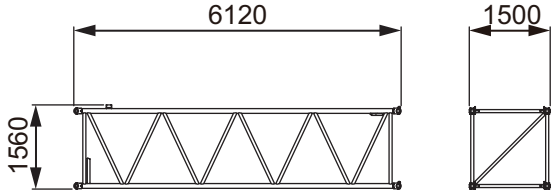
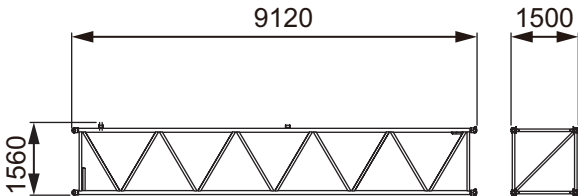
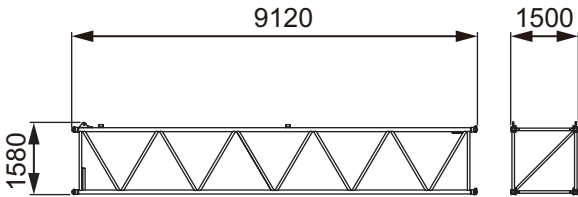
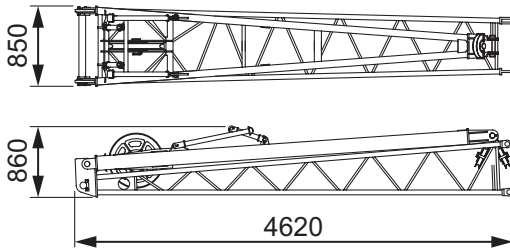
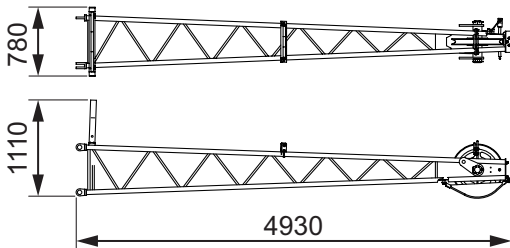
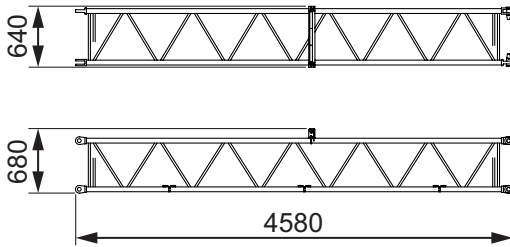
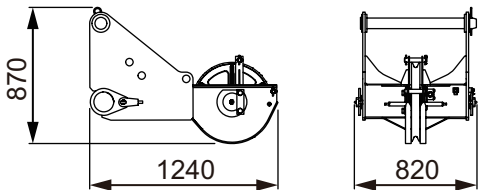
If an optional engine equivalent to Stage III A / Tier 3 is installed, the width of the machine right side will increase by 60 mm and the height of the compartment will increase by 180 mm.

The weight will be 300 kg heavier. In addition, since the transportation height will change, please remove the main unit ladder.

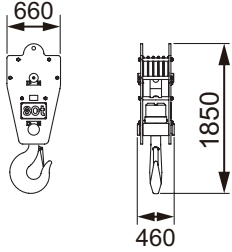
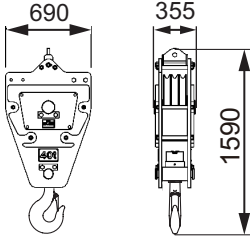
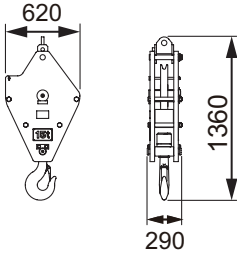
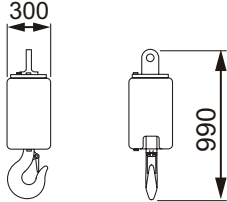
Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
Counter Weight Top (Left Side)	1		4900
Counter Weight (Middle)	1		8500
Counter Weight (Base)	1		8500
Ladder	1		15
Upper Spreader	1		265
Boom Base with Connect Pins with Boom Back Stops	1		1200
Boom Top with Pendant Ropes	1		1060
3 m Boom Insert with Connect Pins without Pendant Ropes	1		320

Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
6 m Boom Insert with Connect Pins without Pendant Ropes	1		540
9 m Boom Insert with Connect Pins without Pendant Ropes	1		740
9 m (9B) Boom Insert with Connect Pins without Pendant Ropes	1		740
Jib Base with : Foot Pin Connect Pins Jib Strut Connect Pins	1		475
Jib Top	1		250
4.5 m Jib Insert with Connect Pins	1		130
Aux. Sheave with Connect Pins	1		220

Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
80 t Hook	1		800
40 t Hook	1		520
15 t Hook	1		320
7 t Hook	1		260

Equipment List

Standard and Optional Equipment

○ : Standard ● : Optional

Item		Lift Crane	Notes
Basic Items	Winch with Free Mechanism	○	Front and Rear Winch
	Brake Pedals for Front and Rear Winch	○	
	Crawler Extend / Retract Device	○	
	Working Light (× 2)	○	
	Back Mirror (Left and right)	○	
	Wiper with Washer (Front window)	○	
	Room Lamp	○	
	Cigar Lighter Socket (24 V)	○	
	Ashtray	○	
	Cup Holder	○	
	AM / FM Radio	○	
	Air Conditioner	○	Full Automatic
	Cross Operation Lever	○	
	Accelerator Pedal (Right side)	○	
	Hydraulic Pump Flow Rate Select Switch	○	Max. or Min. Rate
	Electric Fuel Pump	○	
	Travel Operation Pedal	○	
	Under Cover (Right side)	○	Engine Side
	Under Cover (Left side)	●	Cab Side
	Left Side House Cover	●	
	Clear Roof Cover	●	Smoke Tinted
	Counter Weight Lifting Wire Rope	○	
	3 m Boom Insert	●	
	6 m Boom Insert	●	
	9 m Boom Insert	●	
	9 m Boom Insert (B)	●	For Crane Jib
	Parts Set for 9 m Crane Jib (9 m Basic jib, Anti-two block, Jib strut)	●	
	4.5 m Crane Jib Insert	●	
	Parts Set for Auxiliary Sheave (Auxiliary sheave, Anti-two block)	●	
	80 t Hook (5 sheaves)	●	
	40 t Hook (3 sheaves)	●	
	15 t Hook (1 sheave)	●	
	7 t Hook	●	
	Rear Winch Wire Rope	○	
	Spring Type Tagline	●	
Meters & Lamps	Coolant Temp. Gauge	○	
	Fuel Gauge	○	
	Hourmeter	○	
	Swing Brake Indicator	○	
	Alternator Indicator	○	
	Engine Oil Pressure Indicator	○	
	Air Filter Restriction Indicator	○	
	Overheat Indicator	○	
Safety	Preheat Indicator	○	
	Moment Limiter	○	
	Anti-Two Block	○	
	Boom Hoist Limiting Device	○	
	Secondary Boom Over Hoist Prevent Device	○	
	Swing & Travel Alarm	○	
	3 Color Percentage Indicator	○	
	Drum Lock	Front Winch	○
		Rear Winch	○
		Boom Hoist Winch	○
	Swing Lock	○	Automatic
	Gate Lock Lever	○	Lock Pin for Transport
	Auto Stop Override Select Key Switch	○	
	Auto Stop Override Switch	○	

- 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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