

Mastertech
7090G

Model 7090G

CRAWLER CRANE

Max. Lifting Capacity 90t X 4.3m

▶ Main Specifications	...	3
▶ Limit Of Hook Lifting	...	3
▶ Specifications And Attachments	...	3
Crane Boom		
▶ General Dimensions	...	4
▶ Boom Arrangements	...	5
▶ Fixed Jib Arrangements	...	6
▶ Working Ranges	...	7
▶ Supplemental Data	...	8
▶ Crane Boom Lifting Capacities	...	10
▶ Auxiliary Sheave Lifting Capacities	...	11
▶ Jib Lifting Capacities	...	15
▶ Crane Boom Lifting Capacities (26.8t counterweight/Without Carbody Weight)	...	19
▶ Aux. Sheave Lifting Capacities (26.8t counterweight/Without Carbody Weight)	...	20

Tower Jib Boom

▶	General Dimensions	...	24
▶	Tower Arrangements	...	25
▶	Tower Jib Arrangements	...	25
▶	Supplemental Data	...	26
▶	Tower Length 26.0m Working Range and Lifting Capacity	...	27
▶	Tower Length 29.1m Working Range and Lifting Capacity	...	28
▶	Tower Length 32.1m Working Range and Lifting Capacity	...	29
▶	Tower Length 35.2m Working Range and Lifting Capacity	...	30
▶	Tower Length 38.2m Working Range and Lifting Capacity	...	31
▶	Tower Length 41.2m Working Range and Lifting Capacity	...	32
▶	Tower Length 44.3m Working Range and Lifting Capacity	...	33

Attachment

▶	Clamshell	...	34
▶	Transportation Plan	...	35

KOBELCO

► **Main Specifications**

(Model: 7090G)

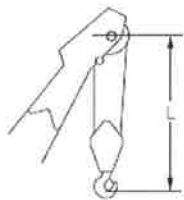
Item		Specifications	Crane Boom	Tower Jib
Max. Lifting Capacity		t×m	90×4.3	15×15.2
lboom (Tower) Length		m	13.8~62.6	26.0~44.3
Jib (Tower Jib) Length		m	9.1~21.3	18.8~37.1
Max. Boom (Tower)+Jib(Twr Jib) Length		m	53.4+21.3	44.3+37.1
Line Speed	Main Winch	Up,Down m/min	*120~3	
	Aux. Winch	Up,Down m/min	*120~3	-
	Tower Jib Derrick	Up,Down m/min	-	*60~3
	Boom (Twr) Demck	Up,Down m/min	*48~2	
Swing Speed		min ⁻¹ (rpm)	3.2 3.2	
Travel Speed		km/h	*1.4/1.0	
Operating Weight (Basic Profile)		t	93	101
Gradeability		kPa kgf/cm ²	94.3 0.96	102.5 1.04
Climbing Capability (tanθ)		% (deg)	40 (21.6)	-
Rated Line Pull		kN tf	10B 11	-
Engine	Model	-ino JOBEUV		
	Rated Power	kW/min ⁻¹	213/2,100	
Wire Rope	Main Winch	mm	φ26	
	Aux. Winch (Twr Jib)	mm	φ26	
	Boom (Twr)	mm	φ20	

Each rope speed shown are figures at 1st layer.

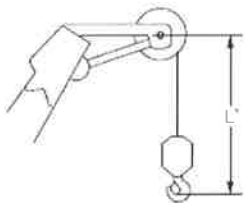
* symbol shows figure during speed with light load, and speed varies with the loads.

Units are displayed in SI, and actual display is shown within { }.

► **Limit of Hook Lifting (Unit: m)**



Hook	L
90 t Hook	5.0
50 t hook	5.0
35 t hook	5.0



Hook	L'
Ball Hook	4.2

► **Specifications & Attachments (Crane Boom/Tower Jib)**

Attachment		Specifications	Crane Boom	Tower Jib
7.6m Boom Top			⊙	-
1.5m Tower Cap			-	⊙
6.2m Boom Base		(Multiple use)	⊙	
3.0m Insert Boom		(Multiple use)	○	○
6.1m Insert Boom		(With CR/MU)	○	○
9.1m Insert Boom		(With CR/MU)	○	⊙
9.1m Insert Boom with Lug		(With CR/MU)	○	⊙ MU OK
9.1m Insert Boom For Tower		*1	○ MU OK	⊙
4.6m Jib Top			○	-
4.6m Jib Base			○	-
6.1m Insert Jib			○	-
6.1m Tower Jib Top			-	⊙
7.6m Tower Jib Base			-	⊙
5.1m Tapered Tower Jib			-	⊙
3.0m Tower Insert Jib			-	○
6.1m Tower Insert Jib			-	○
9.1m Tower Insert Jib			-	○
90t Hook (4 Pc Sheave)			⊙	-
50t Hook (3 Pc Sheave)			○	-
35t Hook (1 Pc Sheave)			○	⊙
Ball Hook			○	⊙
Aux. Sheave			○	-
Main Winch WR		(φ26mm×200m)	⊙	-
Aux. Winch WR		(φ26mm×155m)	○	-
Boom Hoisting Rope		(φ20mm×140m)	⊙	-
Tower Main Winch WR		(φ26mm×250m)	-	⊙
Tower Jib Hoisting Rope		(φ26mm×125m)	-	⊙
Tower Boom Hoisting Rope		(φ20mm×155m)	-	⊙
Additional Counter Weight for Tower Use (1.6t)			-	⊙

⊙ Symbol shows basic configuration, ○ symbol shows selectable attachments.

*1 Changeable with intermittent boom of crawler crane.

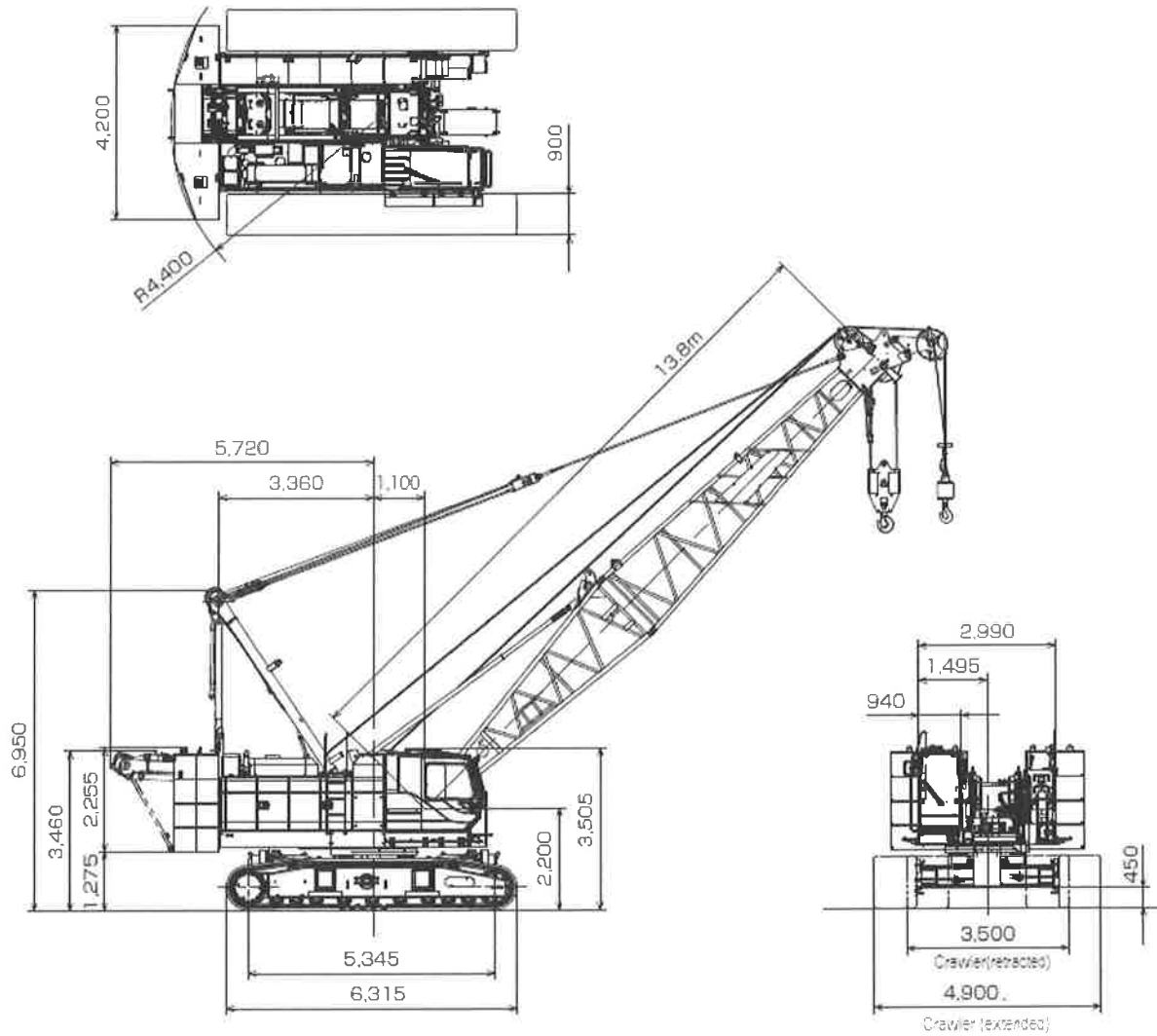
MU OK - Multiple Use OK

(With CR/MU) (With Cable Roller/Multiple Use)

WR - Wire Rope

Crane Boom

▣ General Dimensions (Unit: mm)



► Boom Arrangements

- / symbol marks the position for the guy line during jib use.
- ✖ symbol shows that boom configuration shorter than this is possible.
- Diameter of the guy line is 34mm.
- 9.1m intermittent boom with lug (9.1A) is required when 9.1m jib is attached. When jib is not in use, use of 9.1 is also possible in place of 9.1A in diagram.
- 9.1B can be used for both tower and crane.

Types of Insert Boom		
Symbol	Boom Length	Remarks
	3.0m	No Lug
	6.1m	No Lug
	9.1m	No Lug
	9.1m	With Lug
	9.1m	Special Insert Boom for Tower

Boom Length m (ft.)	Boom Arrangements
138 (45)	
169 (55)	
199 (65)	
230 (75)	
260 (85)	
291 (95)	
321 (105)	
352 (115)	
382 (125)	

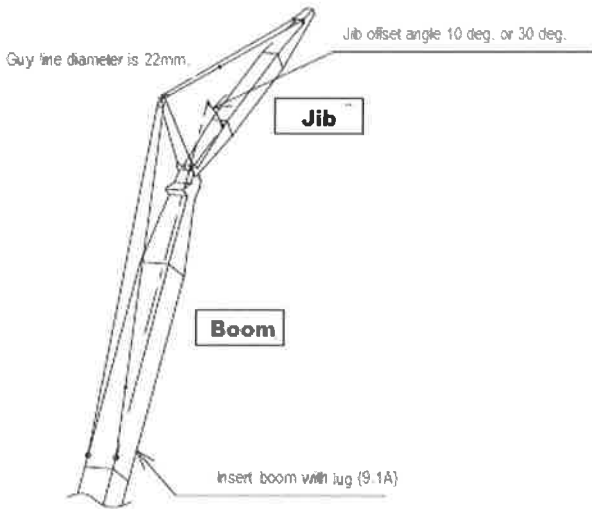
Boom Length m (ft.)	Boom Arrangements
412 (135)	
443 (145)	
473 (155)	
504 (165)	
534 (175)	

- Tower
 - Crane

Boom Length m (ft.)	Boom Arrangements
56.5 (185)	
59.5 (195)	
62.6 (205)	

► **Fixed Jib Arrangements**

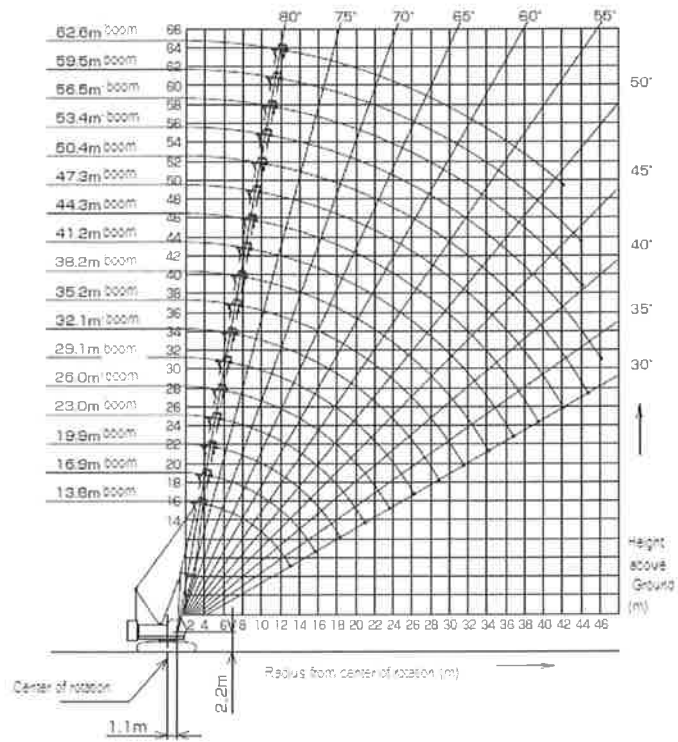
- Jib can be attached to main boom of length 29.1m (95) ~ 53.4m (175).
- When jib is attached, 9.1m insert boom (9.1A) with lug is required.



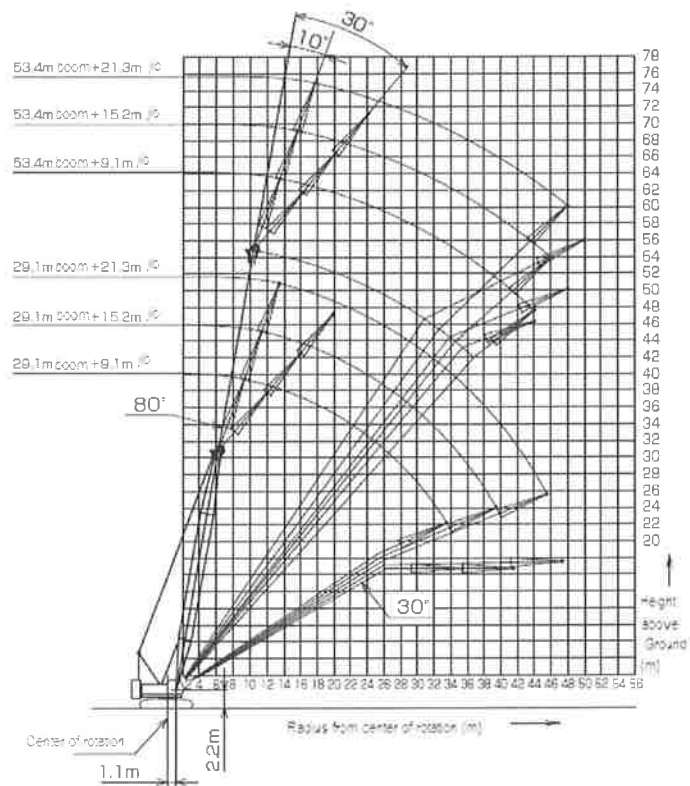
Jib Length m (ft.)	Jib Arrangements
9.1 (30)	
15.2 (50)	
21.3 (70)	

► Working Ranges

► Crane Boom



► Fixed Jib
Jib Offset Angle:
10deg. / 30deg.





Supplemental Data

- RATINGS ACCORDING TO JAPANESE CONSTRUCTION CODES FOR MOBILE CRANES.
- OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION TO A VERTICAL LINE THROUGH THE CENTER OF GRAVITY OF THE LOAD.
- DEDUCT WEIGHT OF HOOK BLOCK(S), SLINGS AND ALL OTHER LOAD HANDLING ACCESSORIES FROM MAIN BOOM RATINGS SHOWN.
- RATINGS SHOWN ARE BASED ON FREELY SUSPENDED LOADS AND MAKE NO ALLOWANCE FOR SUCH FACTORS AS WIND EFFECT ON LIFTED LOAD, GROUND CONDITIONS, OUT-OF-LEVEL, OPERATING SPEEDS OR ANY OTHER CONDITION THAT COULD BE DETRIMENTAL TO THE SAFE OPERATION OF THIS EQUIPMENT. THE OPERATOR, THEREFORE, HAS THE RESPONSIBILITY TO JUDGE THE EXISTING CONDITIONS AND REDUCE LIFTED LOADS AND OPERATING SPEEDS ACCORDINGLY.
- RATINGS ARE FOR OPERATION ON A FIRM AND LEVEL SURFACE, UP TO 1% GRADIENT.
- AT RADII AND BOOM LENGTHS WHERE NO RATINGS ARE SHOWN ON CHART, OPERATION IS NOT INTENDED NOR APPROVED.
- BOOM INSERTS AND GUY LINES MUST BE ARRANGED AS SHOWN IN THE "OPERATOR'S MANUAL".
- BOOM HOIST REEVING IS 10 PART LINE.
- GANTRY MUST BE IN RAISED POSITION FOR ALL CONDITIONS.
- BOOM BACKSTOPS ARE REQUIRED FOR ALL BOOM LENGTHS.
- THE BOOM SHOULD BE ERECTED OVER THE FRONT OF THE CRAWLERS, NOT Laterally.
- RATINGS INSIDE OF BOXES ARE LIMITED BY STRENGTH OF MATERIALS.
- RATINGS DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS.
- THE MINIMUM RATED LOAD IS 1.5(ton).
- WHEN ERECTING AND LOWERING THE BOOM LENGTH OF 59.5m OR OVER AND BOOM LENGTH OF 53.4m WITH FIXED JIB, THE BLOCKS FOR ERECTION MUST BE PLACED AT THE END OF THE CRAWLERS.

(CRANE BOOM LIFTING)

- THE TOTAL LOAD THAT CAN BE LIFTED IS THE VALUE FOR WEIGHT OF HOOK BLOCK, SLINGS, AND ALL OTHER LOAD HANDLING ACCESSORIES DEDUCTED FROM MAIN BOOM RATINGS SHOWN.

(MAIN BOOM WITH AUXILIARY SHEAVE FRAME)

- THE TOTAL LOAD THAT CAN BE LIFTED IS THE VALUE FOR WEIGHT OF MAIN HOOK BLOCK, SLINGS, AND ALL OTHER LOAD HANDLING ACCESSORIES DEDUCTED FROM MAIN BOOM WITH AUXILIARY SHEAVE RATINGS SHOWN.

(AUXILIARY SHEAVE)

- THE TOTAL LOAD THAT CAN BE LIFTED IS THE VALUE FOR WEIGHT OF AUXILIARY SHEAVE HOOK BLOCK, SLINGS, AND ALL OTHER LOAD HANDLING ACCESSORIES DEDUCTED FROM AUXILIARY SHEAVE RATINGS SHOWN.
- STANDARD BOOM LENGTHS FOR AUXILIARY SHEAVE MOUNTING ARE 13.8m TO 59.5m.

<Reference Information>

MAIN HOIST LOADS

NO. OF PARTS OF LINE	1	2	3	4	5	6
MAXIMUM LOADS (kN)	108	216	324	431	539	647
MAXIMUM LOADS (t)	11	22.0	33.0	44.0	55.0	66.0

NO. OF PARTS OF LINE	7	8
MAXIMUM LOADS (kN)	755	883
MAXIMUM LOADS (t)	77.0	90.0

AUXILIARY HOIST LOADS

NO. OF PARTS OF LINE	1
MAXIMUM LOADS (kN)	108
MAXIMUM LOADS (t)	11.0

WEIGHT OF HOOK BLOCK				
HOOK BLOCK	90t	50t	35t	BALL HOOK
WEIGHT(t)	1.3	0.85	0.7	0.3

(MAIN BOOM WITH FIXED JIB LIFTING)

- THE TOTAL LOAD THAT CAN BE LIFTED IS THE VALUE FOR WEIGHT OF MAIN HOOK BLOCK, SLINGS, AND ALL OTHER LOAD HANDLING ACCESSORIES DEDUCTED FROM MAIN BOOM WITH FIXED JIB RATINGS SHOWN.
- STANDARD BOOM LENGTHS FOR FIXED JIB MOUNTING ARE 29.1m TO 53.4m.

(FIXED JIB LIFTING)

- THE TOTAL LOAD THAT CAN BE LIFTED IS THE VALUE FOR WEIGHT OF JIB HOOK BLOCK, SLINGS, AND ALL OTHER LOAD HANDLING ACCESSORIES DEDUCTED FROM FIXED JIB RATINGS SHOWN.
- STANDARD BOOM LENGTHS FOR FIXED JIB MOUNTING ARE 29.1m TO 53.4m.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

Crane Boom Lifting Capacities

(Unit:t)

BL (m) WR (m)	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	53.4	56.5	59.5	62.6	BL (m) WR (m)
4.3	30.0/4.3m	67.5/4.3m	74.1/4.5m															4.3
5.0	70.9	70.8	70.7	84.9/5.4m	56.4/5.3m													5.0
6.0	55.1	55.0	55.0	54.9	54.8	50.2/6.4m												6.0
7.0	44.4	44.3	44.1	44.1	44.0	44.0	43.9	39.6/7.5m										7.0
8.0	36.6	36.5	36.3	36.2	36.1	36.1	36.0	35.9	35.7	33.5/8.5m								8.0
9.0	31.0	30.9	30.7	30.7	30.5	30.5	30.4	30.3	30.2	30.2	29.7/9.1m	27.2/9.6m						9.0
10.0	26.9	26.7	26.6	26.5	26.4	26.3	26.3	26.1	26.0	26.0	25.8	25.7	22.0/10.1m	22.0/10.3m	21.6/11.2m	20.1/11.7m		10.0
12.0	21.1	21.0	20.8	20.7	20.6	20.5	20.4	20.3	20.2	20.1	20.0	19.8	19.8	19.7	19.5	19.4	18.0/12.5m	12.0
14.0	18.7/13.2m	17.1	16.9	16.9	16.7	16.6	16.6	16.4	16.3	16.2	16.1	16.0	15.9	15.8	15.6	15.5	15.4	14.0
16.0		14.6/16.8m	14.2	14.1	14.0	13.9	13.8	13.7	13.5	13.5	13.3	13.2	13.2	13.0	12.9	12.7	12.6	16.0
18.0			12.2	12.1	11.9	11.9	11.8	11.6	11.5	11.4	11.2	11.1	11.1	10.9	10.8	10.7	10.5	18.0
20.0			11.9/18.5m	10.5	10.4	10.3	10.2	10.0	9.9	9.8	9.6	9.5	9.5	9.3	9.2	9.1	8.9	20.0
22.0				9.8/21.1m	9.1	9.0	8.9	8.7	8.6	8.5	8.4	8.2	8.2	8.0	7.9	7.8	7.6	22.0
24.0					8.2/23.9m	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.9	6.7	6.6	24.0
26.0						7.2	7.0	6.9	6.7	6.6	6.5	6.3	6.3	6.1	6.0	5.8	5.7	26.0
28.0						7.0/26.4m	6.3	6.1	6.0	5.9	5.7	5.6	5.5	5.4	5.2	5.1	4.9	28.0
30.0							6.0/29.0m	5.5	5.4	5.3	5.1	5.0	4.9	4.7	4.6	4.5	4.3	30.0
32.0								5.1/31.7m	4.8	4.8	4.6	4.4	4.4	4.2	4.1	3.9	3.8	32.0
34.0									4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.4	3.2	34.0
36.0									4.3/34.3m	3.9	3.7	3.5	3.5	3.3	3.2	3.0	2.7	36.0
38.0										3.7/37.0m	3.3	3.2	3.1	2.9	2.7	2.5	2.3	38.0
40.0											3.1/39.6m	2.9	2.8	2.5	2.3	2.1	1.9	40.0
42.0												2.5	2.4	2.2	2.0	1.8	1.5	42.0
44.0													2.1	1.9	1.7	1.5		44.0
46.0													2.0/44.9m	1.6				46.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

Legend
 # BL - Boom Length
 WR - Working Radius

▲ Auxiliary Sheave Lifting Capacities (With 90t Hook on Crane Boom) (Unit:t)

BL WR	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	53.4	56.5	59.5	BL WR
5.0	11.0/5.2m	11.0/5.7m															5.0
6.0	11.0	11.0	11.0/6.3m	11.0/6.5m													6.0
7.0	11.0	11.0	11.0	11.0	11.0/7.3m	11.0/7.3m	11.0/7.9m										7.0
8.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/8.4m	11.0/8.9m								8.0
9.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/9.4m							9.0
10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/10.5m	11.0/10.5m	11.0/11.5m	11.0/11.5m			10.0
12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/12.1m	11.0/12.5m	12.0
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0
16.0	11.0/14.6m	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	16.0
18.0		9.2/17.2m	10.5	10.4	10.2	10.2	10.1	9.9	9.8	9.7	9.5	9.4	9.4	9.2	9.1	9.0	18.0
20.0			8.6/19.9m	8.8	8.7	8.6	8.5	8.3	8.2	8.1	7.9	7.8	7.8	7.6	7.5	7.4	20.0
22.0				7.2	7.4	7.3	7.2	7.0	6.9	6.8	6.7	6.5	6.5	6.3	6.2	6.1	22.0
24.0				6.5/22.5m	6.1	6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.4	5.3	5.2	5.0	24.0
26.0					5.3/25.2m		5.5	5.3	5.1	5.0	4.8	4.6	4.6	4.4	4.3	4.1	26.0
28.0						4.8/27.9m	4.6	4.4	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4	28.0
30.0							3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.0	2.9	2.8	30.0
32.0							3.2/30.4m	3.2	3.1	3.1	2.9	2.7	2.7	2.5	2.4	2.2	32.0
34.0								2.9/33.1m	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.7	34.0
36.0									2.4/35.7m	2.2	2.0	1.8	1.8	1.6	1.5		36.0
38.0										1.8	1.6	1.5					38.0
40.0										1.7/38.4m							40.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

Legend
BL - Boom Length
WR - Working Radius

▶ Auxiliary Sheave Lifting Capacities (With 50t Hook on Crane Boom) (Unit:t)

BL (m) WR (m)	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	53.4	56.5	59.5	BL (m) WR (m)
5.0	11.0/6.2m	11.0/6.2m	11.0/6.7m														5.0
6.0	11.0	11.0	11.0/6.3m	11.0/6.3m	11.0/6.8m												6.0
7.0	11.0	11.0	11.0	11.0	11.0	11.0/7.3m	11.0/7.3m										7.0
8.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/8.4m	11.0/8.9m								8.0
9.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/9.4m							9.0
10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/10.5m	11.0/10.5m	11.0/11.5m				10.0
12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/12.6m	11.0/12.6m	12.0
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0
16.0	11.0/14.5m	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	16.0
18.0		9.7/17.2m	10.9	10.8	10.6	10.5	10.4	10.2	10.0	10.0	9.8	9.7	9.6	9.4	9.3	9.2	18.0
20.0			9.0/19.9m	9.2	9.0	8.9	8.8	8.6	8.5	8.4	8.2	8.1	8.0	7.8	7.7	7.6	20.0
22.0				7.6	7.8	7.7	7.6	7.3	7.2	7.1	7.0	6.8	6.7	6.6	6.4	6.3	22.0
24.0				7.2/22.5m	6.6	6.7	6.6	6.3	6.2	6.1	5.9	5.8	5.7	5.5	5.4	5.3	24.0
26.0					5.9/26.2m	5.8	5.7	5.5	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	26.0
28.0						5.0/27.9m	5.0	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.7	28.0
30.0							4.3	4.1	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.1	30.0
32.0							4.2/30.4m	3.5	3.5	3.4	3.2	3.0	3.0	2.8	2.7	2.5	32.0
34.0								3.2/33.1m	3.0	2.9	2.7	2.6	2.5	2.3	2.2	2.0	34.0
36.0									2.6/35.7m	2.5	2.3	2.2	2.1	1.9	1.7	1.5	36.0
38.0										2.1	2.0	1.8	1.7	1.5			38.0
40.0										2.0/38.4m	1.7	1.5					40.0
42.0											1.5/41.0m						42.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

Legend
 # BL - Boom Length
 WR - Working Radius

Auxiliary Sheave Lifting Capacities (With 35t Hook on Crane Boom) (Unit:t)

BL (m) WR (m)	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	53.4	56.5	59.5	BL (m) WR (m)
5.0	11.0/5.2m	11.0/5.2m	11.0/5.7m														5.0
6.0	11.0	11.0	11.0	11.0/6.3m	11.0/6.3m												6.0
7.0	11.0	11.0	11.0	11.0	11.0	11.0/7.5m	11.0/7.9m										7.0
8.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/8.4m	11.0/8.5m								8.0
9.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/9.4m							9.0
10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/10.0m	11.0/10.5m	11.0/11.0m	11.0/11.5m			10.0
12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/12.0m	11.0/12.5m	12.0
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0
16.0	11.0/14.6m	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	16.0
18.0		9.2/17.2m	11.0	11.0	10.8	10.8	10.7	10.5	10.4	10.3	10.1	10.0	10.0	9.8	9.7	9.6	18.0
20.0			9.2/19.5m	9.4	9.3	9.2	9.1	8.9	8.8	8.7	8.5	8.4	8.4	8.2	8.1	8.0	20.0
22.0				7.8	8.0	7.9	7.9	7.6	7.5	7.4	7.3	7.1	7.1	6.9	6.8	6.7	22.0
24.0				7.4/22.5m	6.7	6.9	6.8	6.6	6.5	6.4	6.2	6.1	6.0	5.9	5.8	5.6	24.0
26.0					5.9/25.2m	6.1	5.9	5.7	5.6	5.5	5.4	5.2	5.2	5.0	4.9	4.7	26.0
28.0						5.4/27.9m	5.2	5.0	4.9	4.8	4.6	4.5	4.4	4.3	4.1	4.0	28.0
30.0							4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.5	3.4	30.0
32.0							4.4/30.4m	3.8	3.7	3.7	3.5	3.3	3.3	3.1	3.0	2.8	32.0
34.0								3.5/33.1m	3.3	3.2	3.0	2.9	2.8	2.6	2.5	2.3	34.0
36.0									3.0/35.7m	2.8	2.6	2.4	2.4	2.2	2.1	1.9	36.0
38.0										2.4	2.2	2.1	2.0	1.8	1.6		38.0
40.0										2.3/38.4m	1.8	1.8	1.7				40.0
42.0											1.6/41.0m						42.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

Legend
 # BL - Boom Length
 WR - Working Radius

▶ Auxiliary Sheave Lifting Capacities (Crane Boom Without Hook) (Unit:t)

BL (m) WR (m)	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	53.4	56.5	59.5	BL (m) WR (m)
5.0	11.0/5.2m	11.0/5.2m	11.0/5.7m														5.0
6.0	11.0	11.0	11.0	11.0/6.3m	11.0/6.5m												6.0
7.0	11.0	11.0	11.0	11.0	11.0	11.0/7.5m	11.0/7.9m										7.0
8.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/8.4m	11.0/8.9m								8.0
9.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/9.4m							9.0
10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/10.5m	11.0/10.5m	11.0/11.0m	11.0/11.5m			10.0
12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/12.5m	11.0/12.5m	12.0
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0
16.0	11.0/4.6m	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	16.0
18.0	10.5/7.2m	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.8	10.7	10.7	10.5	10.4	10.3	18.0
20.0			9.9/19.5m	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.2	9.1	9.1	8.9	8.9	8.7	20.0
22.0				8.5	8.7	8.6	8.5	8.3	8.2	8.1	8.0	7.8	7.8	7.6	7.5	7.4	22.0
24.0				9.1/22.5m	7.4	7.6	7.5	7.3	7.2	7.1	6.9	6.9	6.7	6.6	6.5	6.3	24.0
26.0					6.5/25.2m	6.8	6.6	6.4	6.3	6.2	6.1	5.9	5.9	5.7	5.6	5.4	26.0
28.0						6.1/27.5m	5.9	5.7	5.6	5.5	5.3	5.2	5.1	5.0	4.8	4.7	28.0
30.0							5.2	5.1	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.1	30.0
32.0							5.1/30.4m	4.5	4.4	4.4	4.2	4.0	4.0	3.8	3.7	3.5	32.0
34.0								4.2/33.1m	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.0	34.0
36.0									3.7/35.7m	3.5	3.3	3.1	3.1	2.9	2.8	2.6	36.0
38.0										3.1	2.9	2.8	2.7	2.5	2.3	2.1	38.0
40.0									3.0/38.4m		2.5	2.5	2.4	2.1	1.9	1.7	40.0
42.0											2.3/41.0m	2.1	2.0	1.8	1.6		42.0
44.0												1.8/43.6m	1.7				44.0
46.0													1.6				46.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

Legend
BL - Boom Length
WR - Working Radius

Jib Lifting Capacities (With 50t or 35t Hook on Crane Boom/Jib Offset Angle 10deg.) (Unit:t)

BL (m)	29.1		32.1		35.2		38.2		41.2		44.3		47.3		50.4		53.4		BL (m)	
	JL WR	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	9.1 15.2 21.3	JL WR	9.0 10.0	
10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.0	
12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	12.0	
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0	
16.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	16.0	
18.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	18.0	
20.0	9.6	9.8	9.4	9.1	8.7	9.3	9.1	8.7	9.1	8.8	9.1	8.8	9.1	8.8	9.1	8.8	9.1	8.7	20.0	
22.0	9.3	8.0	5.4	8.1	8.3	8.0	8.2	8.6	7.8	8.0	8.6	7.7	7.9	8.7	7.4	7.8	8.4	8.7	22.0	
24.0	7.2	7.3	5.2	7.1	7.3	6.9	7.1	6.8	7.0	6.8	7.5	6.6	6.8	7.6	6.4	6.7	7.1	7.4	24.0	
26.0	6.3	6.5	4.9	6.2	6.4	6.1	6.0	6.2	5.9	6.1	5.3	5.7	5.9	6.6	5.7	5.8	6.0	6.3	26.0	
28.0	5.6	5.8	4.5	5.4	5.6	4.8	5.3	5.5	5.0	5.1	5.3	5.1	5.0	5.7	5.5	5.5	5.6	5.1	28.0	
30.0	5.0	5.1	4.1	4.8	5.0	4.4	4.6	4.8	4.5	4.7	4.9	4.4	4.5	5.2	4.9	4.8	4.4	4.6	30.0	
32.0	4.4	4.6	3.8	4.3	4.4	4.1	4.3	4.3	3.9	4.1	4.3	3.8	4.0	4.2	4.0	3.9	4.1	3.7	32.0	
34.0	3.9	4.1	3.5	3.8	3.9	3.7	3.6	3.8	3.5	3.6	3.9	3.3	3.5	3.7	3.4	3.5	3.8	3.2	34.0	
36.0	3.7	3.3	3.4	3.5	3.5	3.2	3.3	3.5	3.0	3.2	3.4	2.9	3.1	3.3	2.9	3.0	3.3	2.7	36.0	
38.0	3.3	3.0	3.1	3.2	3.2	2.8	3.0	3.2	2.7	2.8	3.0	2.5	2.7	2.9	2.6	2.8	2.9	2.3	38.0	
40.0	2.9	2.8	2.8	3.0	2.5	2.6	2.8	2.3	2.5	2.7	2.2	2.3	2.5	2.4	2.4	2.3	2.4	1.8	40.0	
42.0	2.6	2.5	2.7	2.5	2.7	2.3	2.5	2.0	2.2	2.4	1.9	2.0	2.2	1.7	1.9	2.1	1.5	1.7	42.0	
44.0	2.5	2.4	2.4	2.4	2.0	2.2	1.9	2.1	1.8	2.0	1.6	1.8	1.5	1.7	1.5	1.8	1.5	1.6	44.0	
46.0	2.2	2.1	1.9	2.0	1.7	1.8	1.7	1.8	1.5	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	46.0	
48.0	1.9	1.9	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	48.0	
50.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	50.0	

Legend # BL - Boom Length (m) JL - Jib Length (m) WR - Working Radius (m) * Figures within thick dark lines in the table are dependent on the strength of boom etc.

Jib Lifting Capacities (With 50t or 35t Hook on Crane Boom/Jib Offset Angle 30deg) (Unit:t)

BL (m)	29.1			32.1			35.2			38.2			41.2			44.3			47.3			50.4			53.4				
	JL WR	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	JL WR			
12.0	5.124m				5.124m																					12.0			
14.0	9.5				9.5																					14.0			
16.0	9.5	5.213m			9.5	5.213m																				16.0			
18.0	9.4	5.2			9.5	5.2																				18.0			
20.0	8.8	5.2	3.723m		9.1	5.2	3.723m																			20.0			
22.0	8.4	5.2	3.6	8.4	5.2	3.7	8.2																			22.0			
24.0	7.4	4.9	3.3	7.3	5.1	3.4	7.1	5.2	3.5	7.0	5.2	3.6	6.9	5.2	3.6	6.8	5.2	3.7	6.7	5.2	3.7	6.5	5.2	3.7	6.4	5.2	24.0		
26.0	6.5	4.6	3.1	6.4	4.8	3.2	6.2	4.9	3.3	6.1	5.1	3.3	6.0	5.2	3.4	5.8	5.2	3.5	5.7	5.2	3.5	5.8	5.2	3.6	5.5	5.2	26.0		
28.0	5.7	4.2	2.9	5.6	4.5	3.0	5.4	4.7	3.1	5.3	4.8	3.1	5.2	4.9	3.2	5.1	5.1	3.3	4.9	5.2	3.3	4.8	5.2	3.4	4.7	5.2	28.0		
30.0	5.1	4.0	2.7	4.9	4.2	2.8	4.8	4.5	2.9	4.7	4.6	3.0	4.5	4.7	3.0	4.4	4.8	3.1	4.3	4.7	3.2	4.1	4.6	3.2	4.0	4.5	30.0		
32.0	4.5	3.8	2.5	4.4	4.0	2.6	4.2	4.1	2.7	4.1	4.2	2.8	4.0	4.4	2.9	3.8	4.2	2.9	3.7	4.1	3.0	3.6	4.0	3.1	3.4	3.9	31	32.0	
34.0	4.0	3.7	2.4	3.9	3.8	2.5	3.7	3.9	2.6	3.6	4.0	2.7	3.5	3.8	2.7	3.3	3.7	2.8	3.2	3.6	2.9	3.1	3.5	2.9	3.4	3.0	34.0		
36.0	3.5	3.5	2.3	3.4	3.7	2.4	3.3	3.5	2.5	3.1	3.5	2.5	3.0	3.4	2.6	2.9	3.3	2.7	3.1	3.1	2.7	2.8	3.0	2.8	2.5	2.9	29	36.0	
38.0		3.4	2.2	3.0	3.3	2.3	2.9	3.2	2.3	2.9	3.1	2.4	2.6	3.0	2.5	2.5	2.8	2.6	2.3	2.7	2.6	2.2	2.6	2.7	2.0	2.5	27	38.0	
40.0		3.1	2.1		3.0	2.2	2.5	2.9	2.2	2.4	2.7	2.3	2.3	2.6	2.4	2.1	2.5	2.4	2.0	2.4	2.5	1.8	2.2	2.5	1.6	2.1	24	40.0	
42.0		2.7	2.0		2.6	2.1	2.1	2.4	2.2	2.0	2.3	2.3	2.0	2.3	2.3	1.8	2.1	2.3	1.6	2.0	2.3		1.9	2.2		1.8	20	42.0	
44.0			1.9		2.3	2.0		2.2	2.0	1.8	2.1	2.1	1.7	2.0	2.2		1.8	2.1	1.7	2.0	1.7	2.0		1.6	1.9		1.7	44.0	
46.0			1.6			1.9	1.9		1.8	2.0		1.7	1.9		1.6	1.8		1.6	1.8		1.7						1.6	46.0	
48.0			1.7			1.8			1.6	1.8		1.6	1.8		1.5			1.5										1.5	48.0
50.0						1.7			1.6			1.5						1.5										1.5	50.0

Legend
 # BL - Boom Length (m)
 JL - Jib Length (m)
 WR - Working Radius (m)
 * Figures within thick dark lines in the table are dependent on the strength of boom etc.

Jib Lifting Capacities (Without Hook on Crane Boom/Jib Offset Angle 10deg.) (Unit:t)

BL (m)	29.1			32.1			35.2			38.2			41.2			44.3			47.3			50.4			53.4			
	JL	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	JL	9.1	15.2	21.3		
WR	9.0	10.65t			10.10t			10.12t			10.17t			10.25t			10.35t			10.45t			JL	9.0				
10.0	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3
12.0	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3
14.0	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3
16.0	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3
18.0	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3
20.0	10.5	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3	11.0	9.1	15.2	21.3
22.0	9.2	8.9	6.3	9.0	9.1	6.4	8.9	9.1	6.5	8.7	8.9	6.5	8.8	8.8	6.6	8.4	8.7	6.6	8.3	8.5	6.7	8.2	8.4	6.7	8.0	8.3	6.8	22.0
24.0	8.1	8.2	6.1	8.0	8.2	6.2	7.8	8.0	6.9	7.7	7.9	6.4	7.5	7.7	6.6	7.4	7.6	6.5	7.2	7.5	6.6	7.1	7.3	6.6	6.9	7.2	6.6	24.0
26.0	7.2	7.4	5.8	7.1	7.3	6.0	6.9	7.1	6.1	6.8	7.0	6.2	6.6	6.8	6.3	6.5	6.7	6.4	6.3	6.6	6.4	6.2	6.4	6.5	6.0	6.3	6.5	26.0
28.0	6.5	6.7	5.4	6.3	6.5	5.7	6.2	6.4	5.9	6.0	6.2	6.0	5.9	6.1	6.1	5.7	5.9	6.2	5.6	5.8	6.1	5.4	5.7	6.0	5.3	5.5	5.8	28.0
30.0	5.9	6.0	5.0	5.7	5.9	5.3	5.5	5.7	5.5	5.4	5.6	5.8	5.3	5.4	5.7	5.1	5.3	5.5	4.9	5.1	5.4	4.8	5.0	5.3	4.6	4.8	5.2	30.0
32.0	5.3	5.5	4.7	5.2	5.3	4.9	5.0	5.2	5.2	4.8	5.0	5.2	4.7	4.9	5.1	4.5	4.7	5.0	4.4	4.6	4.9	4.2	4.4	4.7	4.1	4.3	4.6	32.0
34.0	4.9	5.0	4.4	4.7	4.8	4.6	4.5	4.7	4.9	4.4	4.5	4.8	4.2	4.4	4.6	4.0	4.2	4.5	3.9	4.1	4.4	3.8	3.9	4.2	3.6	3.8	4.1	34.0
36.0	4.6	4.2	4.3	4.4	4.4	4.1	4.2	4.4	4.1	4.3	4.0	4.1	4.3	3.8	4.0	3.6	3.8	4.0	3.5	3.7	3.9	3.3	3.5	3.8	3.2	3.3	3.6	36.0
38.0	4.2	3.9		4.0	4.1	3.7	3.9	4.1	3.6	3.7	3.9	3.4	3.6	3.8	3.2	3.4	3.6	3.1	3.3	3.5	2.9	3.1	3.4	2.7	2.9	3.2	38.0	
40.0	3.8	3.7		3.7	3.9	3.4	3.5	3.7	3.2	3.4	3.6	3.1	3.2	3.4	2.9	3.1	3.3	2.7	2.9	3.2	2.5	2.8	3.0	2.3	2.5	2.9	40.0	
42.0				3.4	3.6		3.2	3.4	2.9	3.1	3.3	2.8	2.9	3.1	2.6	2.8	3.0	2.4	2.6	2.9	2.2	2.4	2.7	1.9	2.2	2.5	42.0	
44.0				3.3			2.9	3.1		2.8	3.0	2.5	2.7	2.9	2.3	2.5	2.7	2.1	2.3	2.6	1.9	2.1	2.4	1.6	1.9	2.2	44.0	
46.0				3.1			2.7	2.9		2.6	2.7		2.4	2.6	2.0	2.2	2.4	1.8	2.0	2.3	1.6	1.8	2.1		1.5	1.9	46.0	
48.0				2.8			2.6			2.3	2.5		2.1	2.4	1.7	1.9	2.2	1.5	1.7	2.0		1.5	1.8			1.6	48.0	
50.0				2.4			2.4			2.3			1.9	2.1	1.6	1.9		1.7		1.7			1.5				50.0	
52.0							2.1			2.1			1.9		1.7			1.5		1.5							52.0	
54.0							1.9			1.9			1.7														54.0	

Legend
 # BL - Boom Length (m)
 JL - Jib Length (m)
 WR - Working Radius (m)
 #: Figures within thick dark lines in the table are dependent on the strength of boom etc.

Jib Lifting Capacities (Without Hook on Crane Boom/Jib Offset Angle 30deg.) (Unit:t)

BL (m)	29.1			32.1			35.2			38.2			41.2			44.3			47.3			50.4			53.4			
	JL WR	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3	9.1	15.2	21.3			
12.0	5.7/24.4				5.7/23.3																							
14.0	9.5				9.5					5.7/14.5																		
16.0	9.5	5.2/16.3			9.5	5.2/17.4				9.5										5.7/16.1								
18.0	9.5	5.2			9.5	5.2				9.5	5.2/18.4									9.5	5.2/19.5							
20.0	9.5	5.2	3.7/20.2		9.5	5.2	3.7/21.3			9.5	5.2									9.5	5.2				9.5	5.2/20.5		
22.0	9.3	5.2	3.7	9.1	5.2	3.7	9.0	5.2	3.7	8.9	5.2	3.7/22.3								8.7	5.2	3.7/23.4				8.4	5.2	
24.0	8.3	5.2	3.7	8.2	5.2	3.7	8.0	5.2	3.7	7.9	5.2	3.7	7.8	5.2	3.7	7.7	5.2	3.7	7.6	5.2	3.7	7.4	5.2	3.7	7.3	5.2	3.7/24.4	
26.0	7.4	5.2	3.7	7.3	5.2	3.7	7.1	5.2	3.7	7.0	5.2	3.7	6.9	5.2	3.7	6.7	5.2	3.7	6.6	5.2	3.7	6.5	5.2	3.7	6.4	5.2	3.7	26.0
28.0	6.6	5.1	3.7	6.5	5.2	3.7	6.3	5.2	3.7	6.2	5.2	3.7	6.1	5.2	3.7	6.0	5.2	3.7	5.8	5.2	3.7	5.7	5.2	3.7	5.6	5.2	3.7	28.0
30.0	6.0	4.9	3.6	5.8	5.1	3.7	5.7	5.2	3.7	5.6	5.2	3.7	5.4	5.2	3.7	5.3	5.2	3.7	5.2	5.2	3.7	5.0	5.2	3.7	4.9	5.2	3.7	30.0
32.0	5.4	4.7	3.4	5.3	4.9	3.5	5.1	5.0	3.6	5.0	5.1	3.7	4.9	5.2	3.7	4.7	5.1	3.7	4.6	5.0	3.7	4.5	4.9	3.7	4.3	4.8	3.7	32.0
34.0	4.9	4.6	3.3	4.8	4.7	3.4	4.6	4.8	3.5	4.5	4.9	3.6	4.4	4.7	3.6	4.2	4.6	3.7	4.1	4.5	3.7	4.0	4.4	3.7	3.8	4.3	3.7	34.0
36.0	4.4	4.4	3.2	4.3	4.3	3.3	4.2	4.5	3.4	4.0	4.4	3.4	3.9	4.3	3.5	3.8	4.2	3.6	3.6	4.0	3.6	3.5	3.9	3.7	3.4	3.8	3.7	36.0
38.0		4.3	3.1	3.9	4.2	3.2	3.8	4.1	3.2	3.7	4.0	3.3	3.5	3.9	3.4	3.4	3.7	3.5	3.2	3.6	3.5	3.1	3.5	3.6	2.9	3.4	3.6	38.0
40.0		4.0	3.0		3.9	3.1	3.4	3.7	3.1	3.3	3.6	3.2	3.2	3.5	3.3	3.0	3.4	3.3	2.9	3.3	3.4	2.7	3.1	3.4	2.5	3.0	3.3	40.0
42.0		3.6	2.9		3.5	3.0		3.4	3.0	3.3	3.1	2.9	3.2	3.2	2.7	3.0	3.2	2.5	2.9	3.2	2.9	2.3	2.8	3.1	2.1	2.7	2.9	42.0
44.0			2.8		3.2	2.9		3.1	2.9	2.7	3.0	3.0	2.8	2.9	3.1	2.8	2.7	3.0	2.2	2.6	2.9	2.0	2.5	2.8	1.8	2.3	2.6	44.0
46.0			2.7		2.8	2.8		2.8	2.8		2.7	2.9	2.3	2.6	2.8	2.0	2.5	2.7	1.9	2.3	2.6	1.7	2.1	2.5		2.0	2.3	46.0
48.0			2.6		2.7			2.7			2.5	2.7		2.3	2.5	1.8	2.2	2.4	1.6	2.0	2.3		1.8	2.2		1.6	2.0	48.0
50.0					2.6			2.5			2.2	2.4		2.1	2.3		1.9	2.2		1.7	2.0		1.6	1.9		1.7	50.0	
52.0								2.3			2.2			1.8	2.1		1.6	1.9		1.5	1.7					1.6	52.0	
54.0											2.0			1.8			1.6			1.5							1.5	54.0
56.0														1.7			1.6										1.6	56.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

Legend
 # BL - Boom Length (m)
 JL - Jib Length (m)
 WR - Working Radius (m)

Crane Boom Lifting Capacities (26.8t Counterweight/Without Carbody Weight) (Unit:t)

BL (m) WR (m)	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	53.4	BL (m) WR (m)
4.3	80.0	80.0	66.3/4.9m												4.3
5.0	62.5	62.4	62.4	54.3/5.4m	47.0/5.9m										5.0
6.0	46.2	46.1	46.0	45.9	45.8	41.2/6.4m									6.0
7.0	36.4	36.3	36.2	36.1	36.0	36.0	35.9	32.2/7.5m							7.0
8.0	29.9	29.8	29.7	29.6	29.5	29.5	29.4	29.3	29.1	26.6/8.5m					8.0
9.0	25.4	25.2	25.1	25.0	24.9	24.8	24.8	24.6	24.5	24.5	23.9/9.1m	22.0/9.6m			9.0
10.0	22.0	21.8	21.7	21.6	21.4	21.4	21.3	21.2	21.1	21.0	20.9	20.8	20.4/10.1m	18.6/10.7m	10.0
12.0	17.2	17.0	16.9	16.8	16.6	16.6	16.5	16.4	16.3	16.2	16.1	16.0	15.9	15.8	12.0
14.0	15.2/13.2m	13.9	13.7	13.6	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.7	12.7	12.6	14.0
16.0		11.9/15.9m	11.5	11.4	11.2	11.1	11.1	10.9	10.8	10.7	10.6	10.5	10.4	10.3	16.0
18.0			9.8	9.7	9.5	9.5	9.4	9.2	9.1	9.0	8.9	8.8	8.7	8.6	18.0
20.0				8.4	8.2	8.2	8.1	7.9	7.8	7.7	7.6	7.4	7.4	7.2	20.0
22.0				7.9/21.1m	7.2	7.1	7.0	6.9	6.7	6.7	6.5	6.4	6.3	6.2	22.0
24.0					6.5/23.5m	6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.5	5.3	24.0
26.0						5.6	5.5	5.3	5.2	5.1	4.9	4.8	4.7	4.6	26.0
28.0						5.5/26.4m	4.9	4.7	4.6	4.5	4.3	4.2	4.1	4.0	28.0
30.0							4.6/29.0m	4.2	4.1	4.0	3.8	3.7	3.6	3.5	30.0
32.0								3.9/31.7m	3.6	3.5	3.4	3.2	3.2	3.0	32.0
34.0									3.3	3.2	3.0	2.8	2.8	2.6	34.0
36.0									3.2/34.3m	2.8	2.6	2.5	2.4	2.2	36.0
38.0										2.7/37.0m	2.3	2.2	2.1	1.8	38.0
40.0											2.1/39.6m	1.9	1.9	1.5	40.0
42.0												1.5	1.5	42.0	
44.0												1.5/42.2m		44.0	

Legend # BL - Boom Length WR - Working Radius

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

▲ Auxiliary Sheave Lifting Capacities

(26.8t Counterweight Without Carbody Weight, Crane Boom with 90t Hook)

(Unit:t)

BL (m) WR (m)	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	BL (m) WR (m)
5.0	11.0/5.2m	11.0/5.2m	11.0/5.7m											5.0
6.0	11.0	11.0	11.0	11.0/6.3m	36.2/6.8m									6.0
7.0	11.0	11.0	11.0	11.0	34.3	32.3/7.3m	11.0/7.9m							7.0
8.0	11.0	11.0	11.0	11.0	27.8	27.8	11.0	11.0/8.4m	11.0/8.9m					8.0
9.0	11.0	11.0	11.0	11.0	23.2	23.1	11.0	11.0	11.0	11.0/9.4m				9.0
10.0	11.0	11.0	11.0	11.0	19.7	19.7	11.0	11.0	11.0	11.0	11.0	11.0/10.5m	11.0/11.0m	10.0
12.0	11.0	11.0	11.0	11.0	14.9	14.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	12.0
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0
16.0	11.0/14.6m	9.9	9.8	9.7	9.5	9.4	9.4	9.2	9.1	9.0	8.9	8.8	8.7	16.0
18.0		8.6/17.2m	8.1	8.0	7.8	7.8	7.7	7.5	7.4	7.3	7.2	7.1	7.0	18.0
20.0			6.9/19.9m	6.7	6.5	6.5	6.4	6.2	6.1	6.0	5.9	5.7	5.7	20.0
22.0				5.7	5.5	5.4	5.3	5.2	5.0	5.0	4.8	4.7	4.6	22.0
24.0				5.5/22.5m	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.8	24.0
26.0					4.2/25.2m	3.9	3.8	3.6	3.5	3.4	3.2	3.1	3.0	26.0
28.0						3.4/27.8m	3.2	3.0	2.9	2.8	2.6	2.5	2.4	28.0
30.0							2.6	2.5	2.4	2.3	2.1	2.0	1.9	30.0
32.0							2.4/30.4m	2.0	1.9	1.8	1.7	1.5	1.5	32.0
34.0								1.7/33.1m	1.6	1.5				34.0

Legend

BL - Boom Length

WR - Working Radius

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

► Auxiliary Sheave Lifting Capacities

(26.8t Counterweight Without Carbody Weight, Crane Boom with 50t Hook)

(Unit:t)

BL WR	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	BL (m) WR (m)
5.0	11.0/5.2m	11.0/5.2m	11.0/5.7m											5.0
6.0	11.0	11.0	11.0	11.0/6.3m	11.0/6.8m									6.0
7.0	11.0	11.0	11.0	11.0	11.0	11.0/7.3m	11.0/7.9m							7.0
8.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/8.4m	11.0/8.9m					8.0
9.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/9.4m				9.0
10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/10.5m	11.0/11.0m	10.0
12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	12.0
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0
16.0	11.0/14.6m	10.3	10.2	10.1	9.9	9.8	9.8	9.6	9.5	9.4	9.3	9.2	9.1	16.0
18.0		9.0/17.2m	8.5	8.4	8.2	8.2	8.1	7.9	7.8	7.7	7.6	7.5	7.4	18.0
20.0			7.9/19.9m	7.1	6.9	6.9	6.8	6.6	6.5	6.4	6.3	6.1	6.1	20.0
22.0				6.1	5.9	5.8	5.7	5.6	5.4	5.4	5.2	5.1	5.0	22.0
24.0				5.9/22.5m	5.1	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.2	24.0
26.0					4.6/25.2m	4.3	4.2	4.0	3.9	3.8	3.6	3.5	3.4	26.0
28.0						3.8/27.8m	3.6	3.4	3.3	3.2	3.0	2.9	2.8	28.0
30.0							3.0	2.9	2.8	2.7	2.5	2.4	2.3	30.0
32.0							2.8/30.4m	2.4	2.3	2.2	2.1	1.9	1.9	32.0
34.0								2.1/33.1m	2.0	1.9	1.7	1.5	1.5	34.0
36.0									1.5					36.0

Legend

BL - Boom Length

WR - Working Radius

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

▲ Auxiliary Sheave Lifting Capacities

(26.8t Counterweight Without Carbody Weight, Crane Boom with 35t Hook)

(Unit:t)

BL WR	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	BL (m)	WR (m)
5.0	11.0/5.2m	11.0/5.2m	11.0/5.7m											5.0	
6.0	11.0	11.0	11.0	11.0/6.3m	11.0/6.8m									6.0	
7.0	11.0	11.0	11.0	11.0	11.0	11.0/7.9m	11.0/7.9m							7.0	
8.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/8.4m	11.0/8.9m					8.0	
9.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/9.4m				9.0	
10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/10.5m	11.0/11.0m	10.0	
12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	12.0	
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0	
16.0	11.0/14.0m	10.5	10.4	10.3	10.1	10.0	10.0	9.8	9.7	9.6	9.5	9.4	9.3	16.0	
18.0		9.2/17.2m	8.7	8.6	8.4	8.4	8.3	8.1	8.0	7.9	7.8	7.7	7.6	18.0	
20.0			7.5/19.9m	7.3	7.1	7.1	7.0	6.8	6.7	6.6	6.5	6.3	6.3	20.0	
22.0				6.3	6.1	6.0	5.9	5.8	5.6	5.6	5.4	5.3	5.2	22.0	
24.0				6.1/22.5m	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.4	24.0	
26.0					4.8/25.2m	4.5	4.4	4.2	4.1	4.0	3.8	3.7	3.6	26.0	
28.0						4.0/27.8m	3.8	3.6	3.5	3.4	3.2	3.1	3.0	28.0	
30.0							3.2	3.1	3.0	2.9	2.7	2.6	2.5	30.0	
32.0							3.0/30.4m	2.6	2.5	2.4	2.3	2.1	2.1	32.0	
34.0								2.3/33.1m	2.2	2.1	1.9	1.7	1.7	34.0	
36.0									1.6/35.7m	1.7	1.5			36.0	
38.0										1.5				38.0	

Legend

BL - Boom Length

WR - Working Radius

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

▲ Auxiliary Sheave Lifting Capacities

(26.8t Counterweight Without Carbody Weight, Crane Boom without Hook)

(Unit:t)

BL WR (m)	13.8	16.9	19.9	23.0	26.0	29.1	32.1	35.2	38.2	41.2	44.3	47.3	50.4	BL WR (m)
5.0	11.0/5.2m	11.0/5.2m	11.0/5.7m											5.0
6.0	11.0	11.0	11.0	11.0/6.3m	11.0/6.8m									6.0
7.0	11.0	11.0	11.0	11.0	11.0	11.0/7.3m	11.0/7.9m							7.0
8.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/8.4m	11.0/8.9m					8.0
9.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/9.4m				9.0
10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0/10.5m	11.0/11.0m	10.0
12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	12.0
14.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	14.0
16.0	11.0/14.6m	11.0	11.0	11.0	10.8	10.7	10.7	10.5	10.4	10.3	10.2	10.1	10.0	16.0
18.0		9.9/17.2m	9.4	9.3	9.1	9.1	9.0	8.8	8.7	8.6	8.5	8.4	8.3	18.0
20.0			8.2/19.9m	8.0	7.8	7.8	7.7	7.5	7.4	7.3	7.2	7.0	7.0	20.0
22.0				7.0	6.8	6.7	6.6	6.5	6.3	6.3	6.1	6.0	5.9	22.0
24.0				6.8/22.5m	6.0	5.9	5.8	5.6	5.5	5.4	5.2	5.1	5.1	24.0
26.0					5.5/25.2m	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3	26.0
28.0						4.7/27.8m	4.5	4.3	4.2	4.1	3.9	3.8	3.7	28.0
30.0							3.9	3.8	3.7	3.6	3.4	3.3	3.2	30.0
32.0							3.7/30.4m	3.3	3.2	3.1	3.0	2.8	2.8	32.0
34.0								3.0/33.1m	2.9	2.8	2.6	2.4	2.4	34.0
36.0									2.3/35.7m	2.4	2.2	2.1	2.0	36.0
38.0										2.2	1.9	1.8	1.7	38.0
40.0										2.1/38.4m	1.6	1.5		40.0
42.0											1.5/41.0m			42.0

Legend

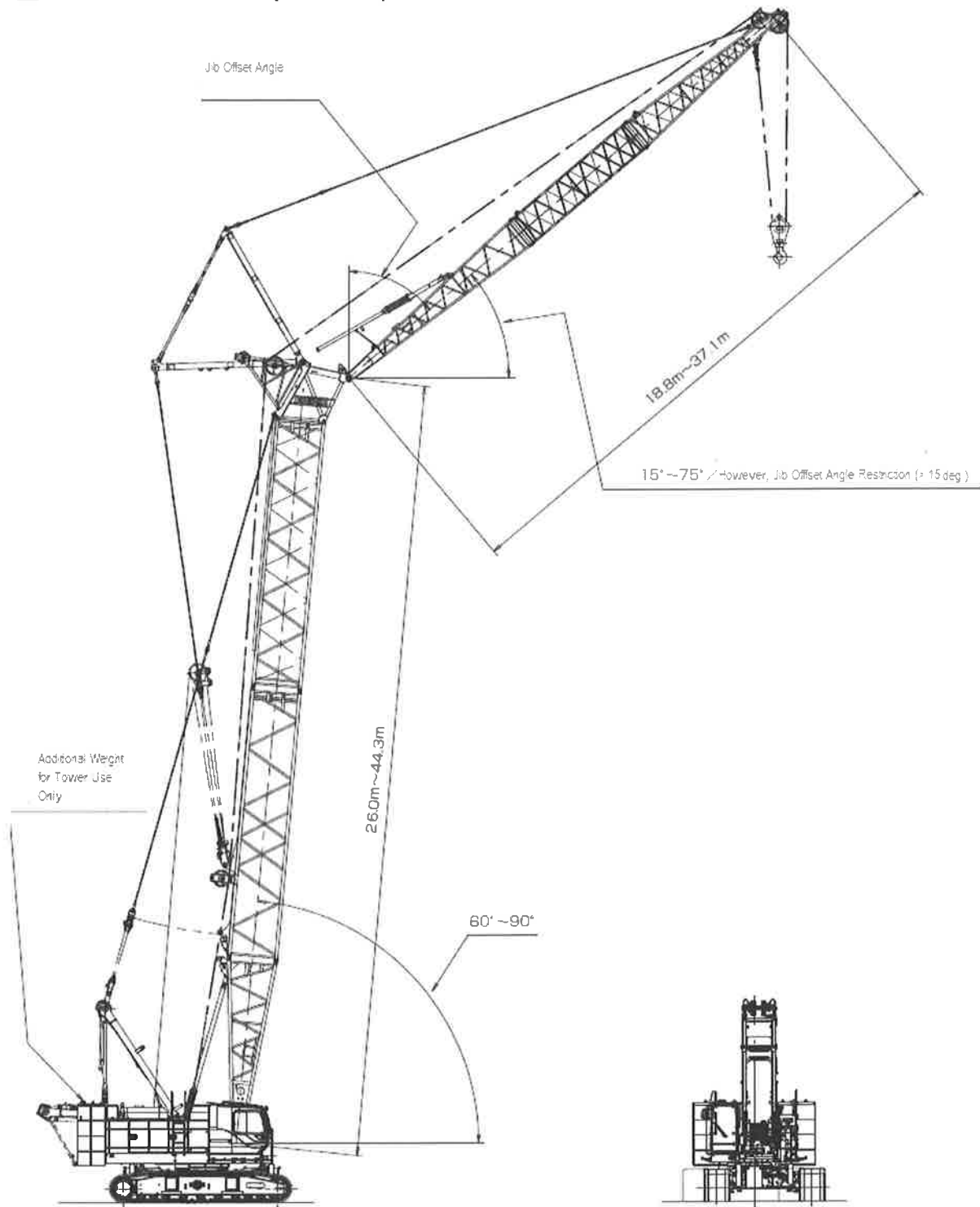
BL - Boom Length

WR - Working Radius

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

Tower Jib

▣ General Dimensions (Unit : mm)



► Tower Arrangements

- ※ symbol shows that tower arrangement shorter than this is possible.
- 9.1B can be used for both tower and crane.
- 9.1m Insert tower (9.1A) can also be used for 9.1 in diagram.
- Diameter of the guy line is 30mm & 34mm.

Types of Insert Tower		
Symbol	Tower Length	Remarks
3.0	3.0m	For both crane & tower
6.1	6.1m	For both crane & tower
9.1	9.1m	For both crane & tower
9.1B	9.1m	Special Insert Boom for Tower
9.1A	9.1m	With Lug

Tower Length m (ft.)	Tower Arrangement
26.0 (85)	
29.1 (95)	
32.1 (105)	
35.2 (115)	
38.2 (125)	
41.2 (135)	
44.3 (145)	

► Tower Jib Arrangements

- ※ symbol shows that tower jib arrangement shorter than this is possible.
- ○ marks the position of the cable roller.
- Diameter of the guy line is 30mm.

Types of Insert Tower Jib		
Symbol	Tower Jib Length	Remarks
3.0	3.0m	
5.1T	5.1m	Relay Jib (Taper Jib)
6.1	6.1m	
9.1	9.1m	

Tower Length m (ft.)	Tower Jib Arrangement
18.8 (62)	
21.8 (72)	
24.9 (82)	
27.9 (92)	
31.0 (102)	
34.0 (112)	
37.1 (122)	

Supplemental Data

- RATINGS ACCORDING TO JAPANESE CONSTRUCTION CODES FOR MOBILE CRANES.
- OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION TO A VERTICAL LINE THROUGH THE CENTER OF GRAVITY OF THE LOAD.
- RATINGS SHOWN ARE BASED ON FREELY SUSPENDED LOADS AND MAKE NO ALLOWANCE FOR SUCH FACTORS AS WIND EFFECT ON LIFTED LOAD, GROUND CONDITIONS, OUT-OF-LEVEL, OPERATING SPEEDS OR ANY OTHER CONDITION THAT COULD BE DETRIMENTAL TO THE SAFE OPERATION OF THIS EQUIPMENT. THE OPERATOR, THEREFORE, HAS THE RESPONSIBILITY TO JUDGE THE EXISTING CONDITIONS AND REDUCE LIFTED LOADS AND OPERATING SPEEDS ACCORDINGLY.
- RATINGS ARE FOR OPERATION ON A FIRM AND LEVEL SURFACE, UP TO 1% GRADIENT.
- AT RADII AND BOOM LENGTHS WHERE NO RATINGS ARE SHOWN ON CHART, OPERATION IS NOT INTENDED NOR APPROVED.
- TOWER AND JIB INSERTS AND GUY LINES MUST BE ARRANGED AS SHOWN IN THE "OPERATOR'S MANUAL".
- TOWER HOIST REEVING IS 10 PART LINE.
- JIB HOIST REEVING IS 8 PART LINE.
- GANTRY MUST BE IN RAISED POSITION FOR ALL CONDITIONS.
- TOWER AND JIB BACKSTOPS ARE REQUIRED FOR ALL TOWER AND JIB COMBINATIONS.
- RATINGS INSIDE OF BOXES ARE LIMITED BY STRENGTH OF MATERIALS.
- THE TOWER SHOULD BE ERECTED OVER THE FRONT OF THE CRAWLERS, NOT Laterally.
- WHEN ERECTING AND LOWERING THE TOWER LENGTH OF 41.2m OR OVER, THE BLOCKS FOR ERECTION MUST BE PLACED AT THE END OF THE CRAWLERS.
- RATINGS DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS.
- THE MINIMUM RATED LOAD IS 1.5(ton).
- THE TOTAL LOAD THAT CAN BE LIFTED IS THE VALUE FOR WEIGHT OF HOOK BLOCK, SLINGS, AND ALL OTHER LOAD HANDLING ACCESSORIES DEDUCTED FROM TOWER JIB RATINGS SHOWN.

<Reference Information>

TOWER AND JIB COMBINATIONS

		JIB LENGTH (m)						
		18.8	21.8	24.9	27.9	31.0	34.0	37.1
TOWER LENGTH (m)	26.0	○	○	×	×	×	×	×
	29.1	○	○	○	×	×	×	×
	32.1	○	○	○	○	×	×	×
	35.2	○	○	○	○	○	×	×
	38.2	○	○	○	○	○	○	×
	41.2	○	○	○	○	○	○	○
	44.3	○	○	○	○	○	○	○
With hook	35t Hook	○	○	○	○	○	○	×
	Ball Hook	×	○	○	○	○	○	○

○ : COMBINATIONS WHICH IS ALLOWED.

× : COMBINATIONS WHICH IS NOT ALLOWED.

- MAXIMUM HOIST LOAD FOR NUMBER OF REEVING PARTS OF LINE FOR HOIST ROPE.

FOR JIB HOOK

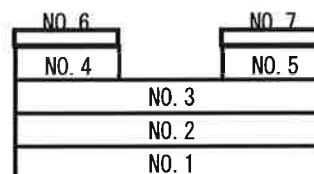
No. OF PARTS OF LINE	1	2
MAXIMUM LOADS (kN)	108	147
MAXIMUM LOADS (t)	11.0	15.0

WEIGHT OF HOOK BLOCK		
HOOK BLOCK	35t	BALL HOOK
WEIGHT (t)	0.7	0.3

ASSEMBLING THE COUNTERWEIGHT

33.7 TON COUNTERWEIGHT

6.6 TON CARBODY WEIGHT

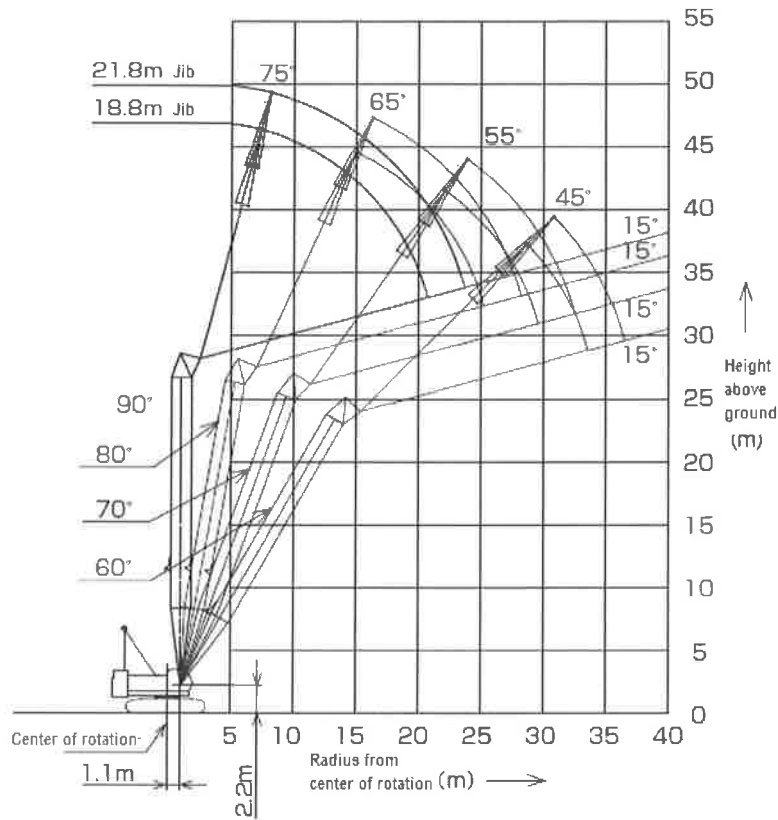


COUNTERWEIGHTS

CARBODY WEIGHTS

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

► Tower Length 26.0m

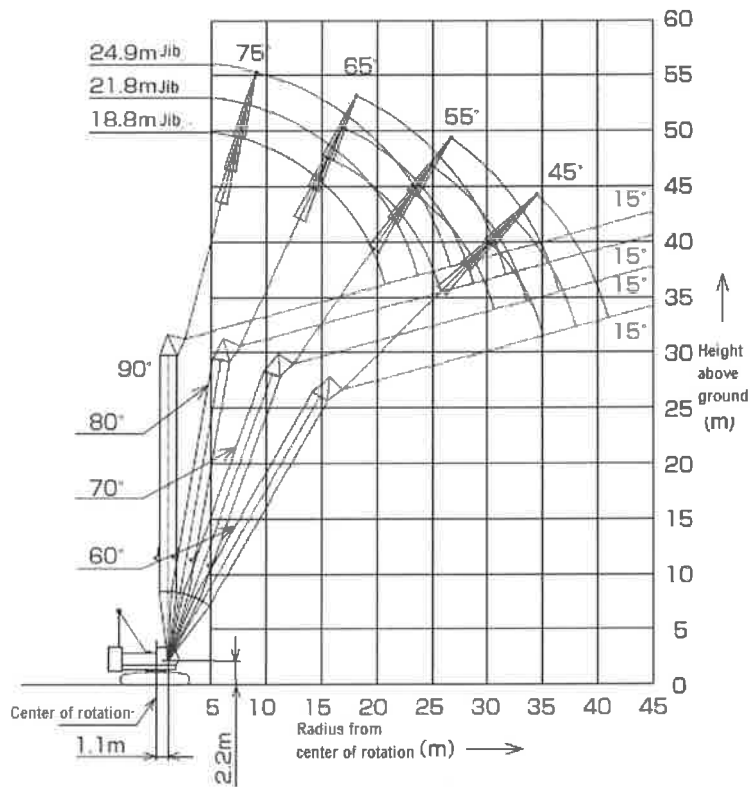


(Unit :t)

Tower Length m	26.0								Tower Length m
Jib Length m	18.8				21.8				Jib Length m
Tower Angle	90°	80°	70°	60°	90°	80°	70°	60°	Tower Angle
7.7	15.0								7.7
8.0	15.0				15.0/8.5m				8.0
9.0	15.0				15.0				9.0
10.0	15.0				15.0				10.0
12.0	15.0				15.0				12.0
14.0	15.0	15.0/15.2m			15.0				14.0
16.0	13.7	14.9			13.7	14.2/16.5m			16.0
18.0	11.9	12.9			11.8	12.8			18.0
20.0	10.6	11.4			10.4	11.2			20.0
22.0	9.3/20.5m	10.1	8.8/22.3m		9.2	10.0			22.0
24.0		9.1	8.0		7.8/23.4m	9.0	7.9		24.0
26.0		8.5/24.9m	7.4			8.1	7.2		26.0
28.0			6.7	5.6/28.7m		7.4/27.9m	6.6		28.0
30.0			6.2/29.3m	5.4			6.1	5.0/30.8m	30.0
32.0				5.0			5.6	4.8	32.0
34.0				4.7/33.3m			5.5/32.2m	4.5	34.0
36.0								4.2	36.0
38.0								4.1/36.2m	38.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

► Tower Length 29.1m

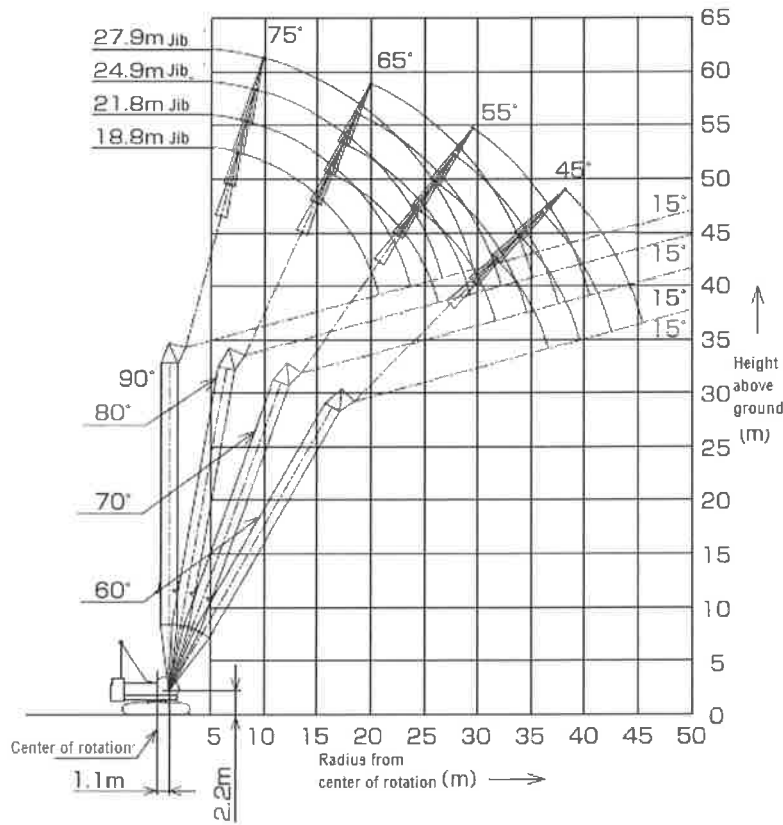


(Unit :t)

Tower Length m	29.1												Tower Length m
	18.8				21.8				24.9				
Jib Length m													Jib Length m
Tower Angle	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	Tower Angle
7.7	15.0												7.7
8.0	15.0				15.0/8.5m								8.0
9.0	15.0				15.0			15.0/9.3m					9.0
10.0	15.0				15.0			15.0					10.0
12.0	15.0				15.0			15.0					12.0
14.0	15.0	14.9/15.7m			15.0			15.0					14.0
16.0	13.7	14.7			13.7	13.4/17.0m		13.6					16.0
18.0	11.9	12.7			11.8	12.6		11.8	12.1/18.3m				18.0
20.0	10.4	11.2			10.4	11.0		10.3	10.9				20.0
22.0	9.4/20.5m	9.9	7.9/23.3m		9.2	9.8		9.2	9.8				22.0
24.0		8.9	7.7		8.0/23.4m	8.8	7.1/25.0m	8.3	8.8				24.0
26.0		8.1/25.5m	7.1			8.0	6.8	7.5	8.0	6.4/26.8m			26.0
28.0			6.4			7.3	6.3	6.9/26.3m	7.3	6.1			28.0
30.0			5.9	4.8/30.2m		7.0/28.4m	5.8		6.7	5.7			30.0
32.0			5.7/30.3m	4.6			5.3	4.3/32.3m	6.1/31.4m	5.3			32.0
34.0				4.3			5.0/33.2m	4.1		4.9	3.9/34.5m		34.0
36.0				4.1/34.8m				3.9		4.6	3.7		36.0
38.0								3.6/37.7m		4.4/36.2m	3.5		38.0
40.0											3.3		40.0
42.0												3.2/40.7m	42.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

► Tower Length 32.1m

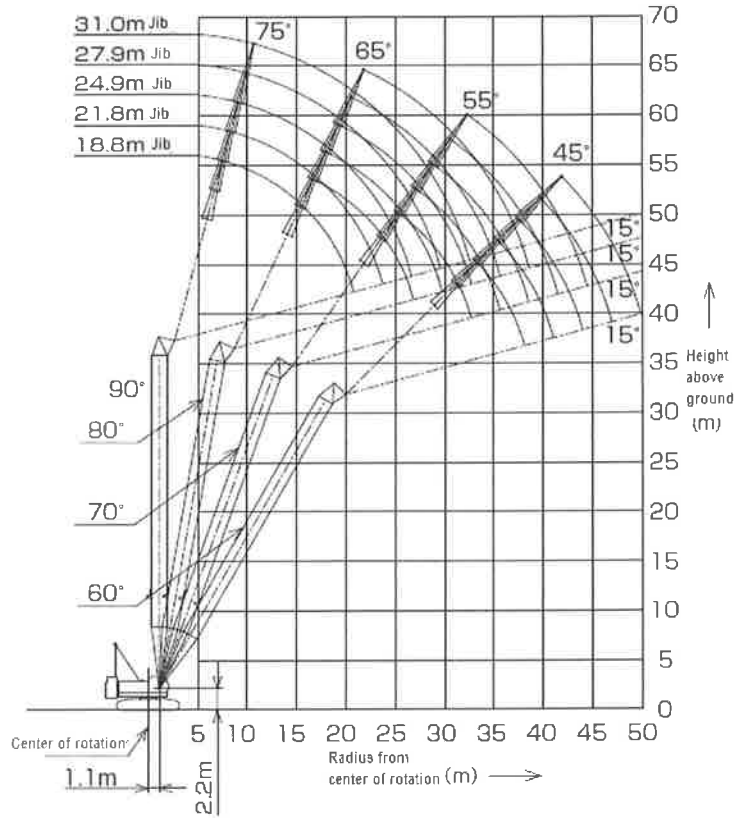


(Unit :t)

Tower Length m		32.1																Tower Length m	
Jib Length m		18.8				21.8				24.9				27.9				Jib Length m	
Tower Angle		90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	Tower Angle	
Working Radius (m)	7.7	15.0																	7.7
	8.0	15.0				15.0													8.0
	9.0	15.0				15.0				15.0									9.0
	10.0	15.0				15.0				15.0				15.0					10.0
	12.0	15.0				15.0				15.0				15.0					12.0
	14.0	15.0				15.0				15.0				15.0					14.0
	16.0	13.8	14.0/16.3m			13.7	12.6/17.6m			13.7				13.6					16.0
	18.0	11.9	12.4			11.9	12.3			11.8	11.5/18.9m			11.7					18.0
	20.0	10.4	10.9			10.4	10.8			10.4	10.7			10.3	10.5/20.1m				20.0
	22.0	8.6/20.5m	9.7			9.2	9.6			9.2	9.6			9.1	9.4				22.0
	24.0		8.7	7.1/24.3m		8.1/23.4m	8.6			8.3	8.7			8.2	8.6				24.0
	26.0		7.9	6.6			7.8	5.4/26.1m		7.5	7.8	5.0/27.9m		7.4	7.7				26.0
	28.0			6.1			7.1	5.9		7.0	7.2	5.8		6.8	7.1	5.3/29.6m			28.0
	30.0			5.6	4.3/31.7m		6.7	5.5			6.6	5.4		6.0	6.3	5.2			30.0
	32.0			5.2	3.9/31.3m	4.3		5.1	3.7/33.9m		6.0	5.0		6.0	4.9				32.0
	34.0				3.9			4.7	3.7			4.6		5.5	4.5				34.0
	36.0				3.6			4.6	3.5			4.3	3.4		5.3	4.2			36.0
	38.0				3.6	3.6/36.3m			3.3			4.0	3.2		3.9	3.0/38.2m			38.0
	40.0								3.3	3.3/39.3m			3.0		3.6	2.9			40.0
	42.0												2.8		3.6	2.7	3.6/40.2m		42.0
44.0													2.6	4.2	2.5			44.0	
46.0															2.2/45.1m			46.0	

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

► Tower Length 35.2m

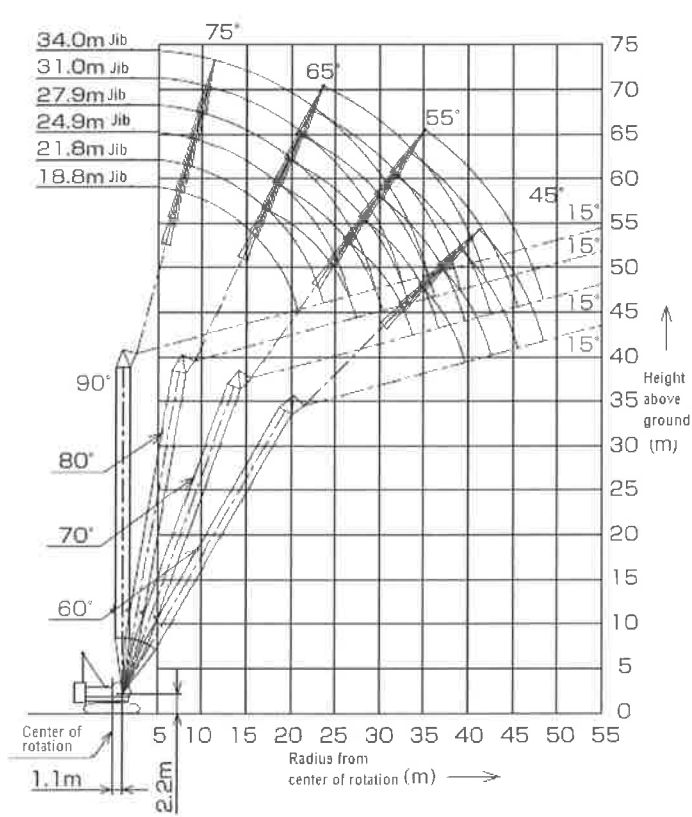


(Unit : t)

Tower Length		35.2																Tower Length					
Jib Length (m)		18.8				21.8				24.9				27.9				31.0				Jib Length (m)	
Tower Angle		90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	Tower Angle	
Working Radius (m)	7.7	15.0																				7.7	
	8.0	15.0				15.0																8.0	
	9.0	15.0				15.0				15.0												9.0	
	10.0	15.0				15.0				15.0				15.0							15.0	10.0	
	12.0	15.0				15.0				15.0				15.0				13.5				12.0	
	14.0	15.0				15.0				15.0				15.0				13.5				14.0	
	16.0	13.8	13.2	12.2		13.7				13.7				13.6				13.5				16.0	
	18.0	11.9	12.2			11.9	12.2	11.8			11.8	11.9			11.7				11.7				18.0
	20.0	10.4	10.7			10.4	10.6			10.4	10.5			10.3	9.9	20.7m			10.2				20.0
	22.0	8.6	9.6			9.3	9.6			9.2	9.5			9.2	9.2			9.1	9.1				22.0
	24.0		8.6	8.5	8.4m		8.6			8.3	8.5			8.2	8.4			8.2	8.2				24.0
	26.0		7.8	6.3			7.8	6.8	27.1m		7.5	7.7			7.4	7.6			7.4	7.5			26.0
	28.0		7.4	6.5	5.9		7.1	5.6			7.0	6.3	28.9m		6.8	6.9			6.7	6.9			28.0
	30.0			5.4			6.4	5.3			6.4	5.1			6.0	29.9m	6.3	4.6	6.0	6.3			30.0
	32.0			4.9	3.6	3.3		4.8			5.8	4.8			5.8	4.5			5.7	5.8	4.3	3.2	32.0
	34.0			4.8	3.4			4.5	3.3	3.4		5.7	3.2	4.4				5.4	4.3		5.3	3.2	34.0
36.0				3.4			4.2	3.3	3.2		4.1	2.9	3.7				5.0	3.9				36.0	
38.0					3.1	3.7			3.0		3.8	2.9					3.7	2.5	3.7		4.6	3.6	38.0
40.0							2.8				3.7	3.3	2.7				3.4	2.5	4.5	3.9	3.4	2.1	40.0
42.0								2.6	4.3								3.2	4.2	2.3		3.1	2.1	42.0
44.0																			2.1		2.9	1.9	44.0
46.0																			1.9			1.8	46.0
48.0																						1.7	48.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

► Tower Length 38.2m



(Unit :t)

TowerLength m	38.2				TowerLength m
JibLength m	18.8				JibLength m
TowerAngle	90°	80°	70°	60°	TowerAngle
7.7	15.0				7.7
8.0	15.0				8.0
9.0	15.0				9.0
10.0	15.0				10.0
12.0	15.0				12.0
14.0	15.0				14.0
16.0	13.8	12.5/11.3m			16.0
18.0	11.9	12.0			18.0
20.0	10.5	10.5			20.0
22.0	9.7/20.5m	9.3			22.0
24.0		8.4			24.0
26.0		7.6	5.9/26.4m		26.0
28.0		7.1/27.1m	5.4		28.0
30.0			5.1		30.0
32.0			4.7		32.0
34.0			4.3/33.4m	3.0/34.8m	34.0
36.0				2.9	36.0
38.0				2.7	38.0
40.0				2.4/39.4m	40.0
42.0					42.0
44.0					44.0
46.0					46.0
48.0					48.0
50.0					50.0

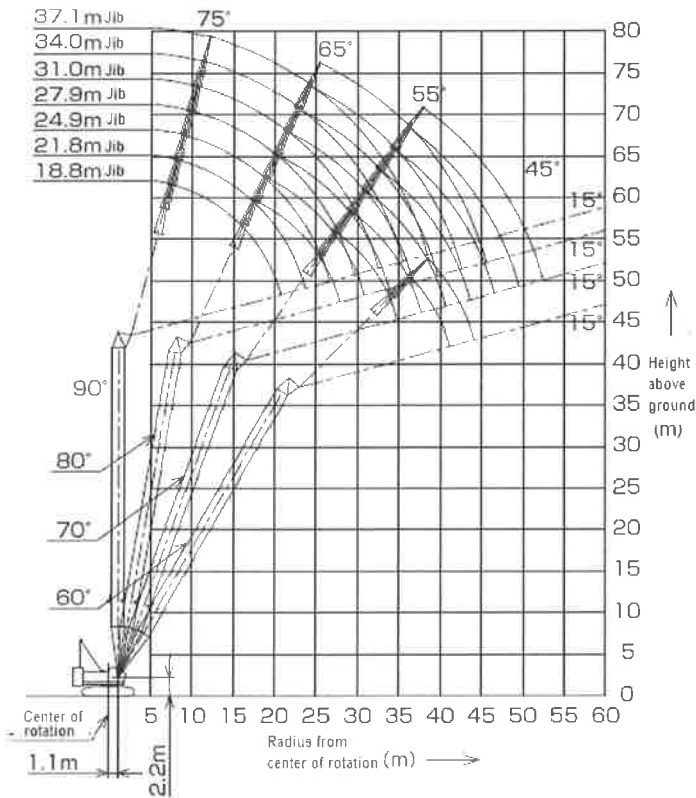
(Unit :t)

TowerLength m	38.2															TowerLength m				
JibLength m	21.8				24.9				27.9				31.0			34.0			JibLength m	
TowerAngle	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	TowerAngle	
7.7																				7.7
8.0	15.0/8.5m																			8.0
9.0	15.0				15.0/8.3m															9.0
10.0	15.0				15.0				15.0/10.1m				13.5/10.3m			11.5/11.2m				10.0
12.0	15.0				15.0				15.0				13.5			11.5				12.0
14.0	15.0				15.0				15.0				13.5			11.5				14.0
16.0	13.8				13.7				13.6				13.5			11.5				16.0
18.0	11.9	11.3/18.0m			11.8	10.9/19.9m			11.8				11.7			11.5				18.0
20.0	10.4	10.4			10.4	10.3			10.3	9.4/21.2m			10.2			10.2				20.0
22.0	9.3	9.3			9.2	9.2			9.2	8.0			9.1	8.0/22.5m		9.1	7.9/23.9m			22.0
24.0	8.2/23.4m	8.4			8.3	8.3			8.2	8.2			8.2	8.0		8.1	7.9			24.0
26.0		7.6			7.5	7.5			7.4	7.4			7.4	7.3		7.3	7.2			26.0
28.0		6.9	5.2/23.2m		7.1/26.3m	6.9	4.8/29.9m		6.8	6.8			6.7	6.7		6.7	6.6			28.0
30.0		6.3	4.8		6.3	4.8			6.3/29.3m	6.2	4.4/31.7m		6.2	6.1		6.1	6.0			30.0
32.0			4.8		6.8	4.4			5.7	4.3			5.7	5.6	4.0/33.4m	5.6	5.6			32.0
34.0			4.2		5.5/33.0m	4.1			5.3	4.0			5.6/32.2m	5.2	3.9	5.2	5.1	3.6/36.3m		34.0
36.0			3.9	2.5/35.9m		3.8			4.9/35.9m	3.7			4.8	3.6	4.6/35.2m	4.8	3.5			36.0
38.0			3.8/35.4m	2.5		3.5	2.0/38.1m			3.4			4.5	3.4		4.4	3.3			38.0
40.0				2.3		3.3/33.3m	2.2			3.2	1.8/41.2m		4.3/38.9m	3.1		4.1	3.0			40.0
42.0				2.1			2.0			3.0	1.8			2.9		3.9/41.5m	2.8			42.0
44.0				1.8/42.3m			1.8			2.9/42.3m	1.5			2.7			2.6			44.0
46.0							1.5/45.2m							2.5/45.2m			2.5			46.0
48.0																	2.3			48.0
50.0																			2.2/48.2m	50.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

► Tower Length 41.2m

(Unit :t)



Tower Length (m)	41.2				Tower Length (m)
Jib Length (m)	18.8				Jib Length (m)
Tower Angle	90°	80°	70°	60°	Tower Angle
7.7	15.0				7.7
8.0	15.0				8.0
9.0	15.0				9.0
10.0	15.0				10.0
12.0	15.0				12.0
14.0	15.0				14.0
16.0	13.8	11.9/17.9m			16.0
18.0	11.9	11.7			18.0
20.0	10.5	10.3			20.0
22.0	9.8/20.5m	9.1			22.0
24.0		8.2			24.0
26.0		7.4	6.4/27.5m		26.0
28.0		6.7/27.6m	5.2		28.0
30.0			4.8		30.0
32.0			4.4		32.0
34.0			4.1		34.0
36.0			3.9/34.5m	2.4/36.3m	36.0
38.0				2.3	38.0
40.0				2.1	40.0
42.0				1.9/40.9m	42.0
44.0					44.0
46.0					46.0
48.0					48.0
50.0					50.0

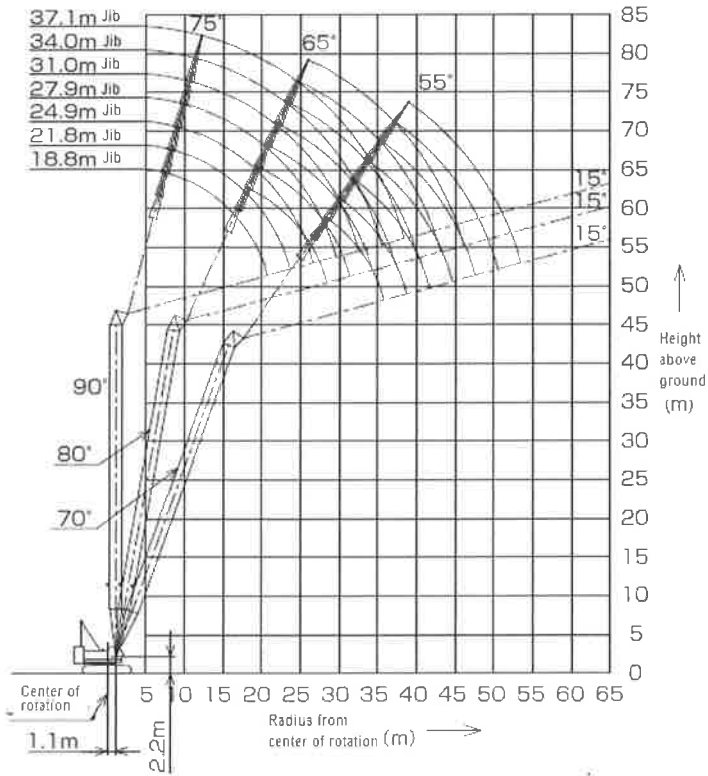
(Unit :t)

Tower Length (m)	41.2															Tower Length (m)					
Jib Length (m)	21.8			24.9			27.9			31.0			34.0			37.1			Jib Length (m)		
Tower Angle	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	Tower Angle	
7.7																				7.7	
8.0	15.0/8.5m																			8.0	
9.0	15.0				15.0/9.3m															9.0	
10.0	15.0				15.0						15.0/10.1m			15.0/11.2m						10.0	
12.0	15.0				15.0						13.5			11.5			9.5/12.5m			12.0	
14.0	15.0				15.0						13.5			11.5			9.5			14.0	
16.0	13.8				13.7						13.6			11.5			9.5			16.0	
18.0	11.9	10.7/19.2m			11.8						11.8			11.5			9.4			18.0	
20.0	10.4	10.2			10.4	9.7/20.4m					10.3	9.9/21.7m					9.1			20.0	
22.0	9.3	9.1			9.2	8.9					9.2	8.8					8.7			22.0	
24.0	8.3/23.4m	8.2			8.3	8.1					8.2	8.0					8.1	7.5/24.3m		24.0	
26.0		7.4			7.5	7.4					7.4	7.3					7.3	6.9		26.0	
28.0		6.8	4.9/23.2m		7.1/26.3m	6.7					6.7	6.6					6.7	6.4		28.0	
30.0		6.2	4.7		6.2	4.4/31.0m	6.1/23.9m				6.2	6.0					6.1	5.9		30.0	
32.0		6.0/30.5m	4.3		5.7	4.2					5.6	4.0/22.7m					5.6	5.4		32.0	
34.0		4.0			5.2/33.5m	3.9					5.1	3.8	5.8/32.2m				5.1	3.6/34.5m		34.0	
36.0		3.7				3.6					4.7	3.4	4.6/35.2m				4.6	3.3/35.2m		36.0	
38.0		3.4/37.4m	2.0/38.4m			3.3					4.4	3.1					4.3	3.0	4.5	38.0	
40.0			1.9			3.1					3.0		4.1/39.4m				4.0	2.8	4.4/38.1m	40.0	
42.0			1.7			3.0/40.4m					2.8			4.1/39.4m				3.7	2.6	3.7	42.0
44.0			1.6/43.8m								2.5			2.5/43.3m				3.4	2.4	3.4	44.0
46.0											2.3							2.2		3.2/45.3m	46.0
48.0											2.3							2.0			48.0
50.0																		1.9			50.0
52.0																		1.7			52.0

* Figures within thick dark lines in the table are dependent on the strength of boom etc.

► Tower Length 44.3m

(Unit :)



TowerLength m		44.3			TowerLength m
JibLength m		18.8			JibLength m
TowerAngle		90°	80°	70°	TowerAngle
Working Radius (m)	7.7	15.0			7.7
	8.0	15.0			8.0
	9.0	15.0			9.0
	10.0	15.0			10.0
	12.0	15.0			12.0
	14.0	15.0			14.0
	16.0	13.8			16.0
	18.0	11.9	11.7/18.4m		18.0
	20.0	10.5	10.1		20.0
	22.0	9.3/20.5m	9.1		22.0
	24.0		8.1		24.0
	26.0		7.4		26.0
	28.0		6.7	4.8/28.5m	28.0
	30.0		6.6/28.1m	4.5	30.0
	32.0			4.2	32.0
	34.0			3.8	34.0
	36.0			3.5/25.5m	36.0
	38.0				38.0
	40.0				40.0
	42.0				42.0
44.0				44.0	
46.0				46.0	
48.0				48.0	
50.0				50.0	

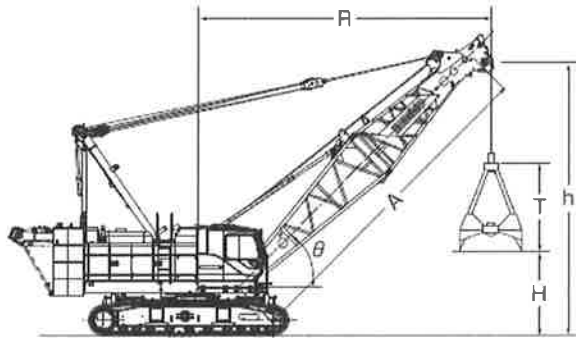
(Unit :)

TowerLength m		44.3															TowerLength m			
JibLength m		21.8			24.9			27.9			31.0			34.0			37.1			JibLength m
TowerAngle		90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	TowerAngle
Working Radius (m)	7.7																			7.7
	8.0	15.0/8.5m																		8.0
	9.0	15.0			15.0/9.3m															9.0
	10.0	15.0			15.0			15.0/10.1m			13.5/10.0m			11.5/11.3m						10.0
	12.0	15.0			15.0			15.0			13.5			11.5			9.5/12.5m			12.0
	14.0	15.0			15.0			15.0			13.5			11.5			9.5			14.0
	16.0	13.8			13.7			13.6			13.5			11.5			9.5			16.0
	18.0	11.9	10.1/19.7m		11.9			11.8			11.7			11.5			9.4			18.0
	20.0	10.4	9.9		10.4	9.2/21.0m		10.3			10.3			10.2			9.0			20.0
	22.0	9.3	8.9		9.2	8.7		9.2	8.4/22.3m		9.1	7.8/23.6m		9.1			8.7			22.0
	24.0	8.3/23.4m	8.0		8.3	7.9		8.2	7.7		8.2	7.6		8.1	7.1/24.5m		8.2			24.0
	26.0		7.3		7.5	7.2		7.5	7.1		7.4	7.0		7.3	6.7		7.4	6.7/25.5m		26.0
	28.0		6.6		7.1/26.9m	6.6		6.8	6.4		6.7	6.4		6.7	6.3		6.7	6.2		28.0
	30.0		6.1	4.3/30.9m		6.0		6.1/28.3m	5.9		6.2	5.8		6.1	5.7		6.2	5.6		30.0
	32.0		5.7/31.1m	4.0		5.5	3.9		5.4	3.5/33.6m	5.7	5.4		5.6	5.3		5.7	5.2		32.0
	34.0			3.7		5.1	3.6		5.0	3.5	5.6/32.2m	5.0	3.2/35.5m	5.2	4.9		5.3	4.8		34.0
	36.0			3.4		3.4			4.6	3.2		4.6	3.1	4.7/35.2m	4.5	2.8/37.3m	4.9	4.4		36.0
	38.0			3.2		3.1			4.4/37.0m	3.0		4.3	2.9		4.2	2.7	4.5	4.1	2.4/39.4m	38.0
	40.0			3.1/38.5m		2.9				2.8		4.0/39.3m	2.7		3.9	2.5	4.4/38.1m	3.8	2.9	40.0
	42.0					2.5/41.4m				2.6			2.4		3.6	2.3		3.6	2.1	42.0
44.0									2.3			2.2		3.5/42.8m	2.1		3.3	2.0	44.0	
46.0									2.1/44.3m			2.1		2.0		3.1/45.2m	1.8		46.0	
48.0												1.8/47.3m				1.8			48.0	
50.0																1.6			50.0	

④ Figures within thick dark lines in the table are dependent on the strength of boom etc.

Attachment

► Clamshell



Opened Bucket height	Bucket Capacity	1.6m³	T	3.6m
		2.0m³		3.9m
		2.5m³		4.3m
		3.0m³		4.5m

<Note>

1. The sole weight of the bucket must not exceed 5.5t.
2. The combined weight of the bucket and the scrapings must not exceed the total rated lifting capacity.
3. Please use the following formula to select the most suitable bucket corresponding to the scrapings.

$$\text{Bucket capacity (m}^3\text{)} \times \text{Scraping Density (t/m}^3\text{)} + \text{Bucket Weight (t)} \leq \text{Rated Load (t)}$$

Scrapings : Sand, Gravel, Concrete rock etc. (relative density 1-1.5 range)
 example) Bucket capacity 3.0m³, bucket weight 5.5t

$$\text{Bucket capacity} \times \text{Scraping Density} + \text{Bucket Weight} \leq \text{Rated Load}$$

$$3.0\text{m}^3 \times 1.5 + 5.5\text{t} = 10.0\text{t}$$

4. There is a need to reduce the bucket weight depending on the operation cycle and lowering height of the bucket.
5. The total rated lifting capacity is dependent on the stability. Please avoid sudden acceleration or deceleration that may result in horizontal pulling force on the boom during swing. Please pay extra caution especially when the boom is long.

Boom Length		m	A					13.8					16.9					19.9					23.0																																									
Boom Angle		deg	θ		34		41		53		63		67		31		43		52		60		64		34		44		52		59		62		37		44		51		57		63																					
Operating Radius		m	R		13.0		12.0		10.0		8.0		7.0		16.0		14.0		12.0		10.0		9.0		18.0		16.0		14.0		12.0		11.0		20.0		18.0		16.0		14.0		12.0																					
E	Bucket	m³	1.6	2.1	3.5	5.4	6.7	7.2	3.0	5.8	7.7	9.1	9.7	5.6	8.2	10.0	11.5	12.1	8.1	10.5	12.9	13.9	15.0	1.8	3.2	5.1	6.4	6.9	2.7	5.5	7.4	8.8	9.4	5.3	7.9	9.7	11.2	11.8	7.8	10.2	12.0	13.5	14.7																					
																																												2.5	1.4	2.9	4.7	6.0	6.5	2.3	5.1	7.0	8.4	9.0	4.9	7.5	9.3	10.8	11.4	7.4	9.8	11.6	13.1	14.3
																																												Boom Point ht.	m	h	9.7	11.1	13.0	14.3	14.8	10.6	13.4	15.3	16.7	17.3	13.2	15.8	17.6	19.1	19.7	15.7	18.1	19.9
Total Rated Lift		t	10.0										9.3					10.0					8.4					9.6					10.0																															

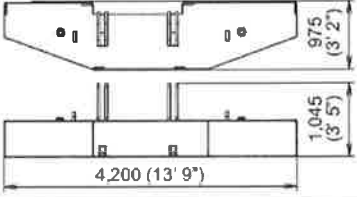
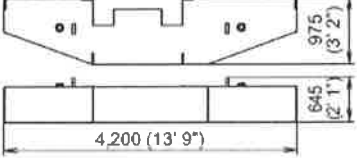
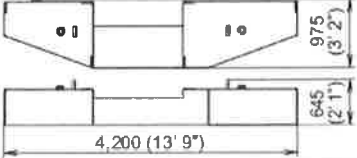
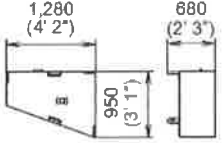
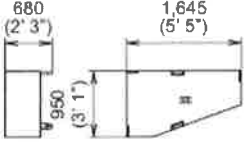
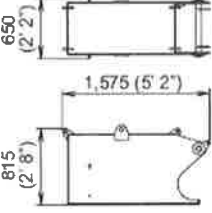
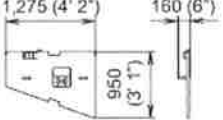
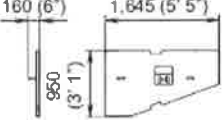
► **Transportation Plan**

- Figures are for reference only
- Please comply to related regulations when transporting on public road.

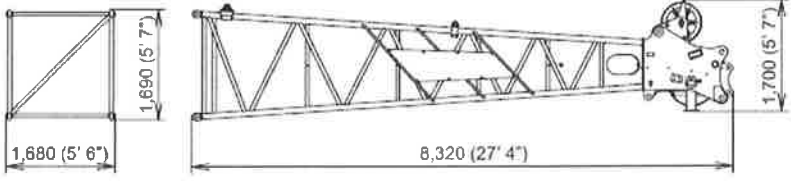
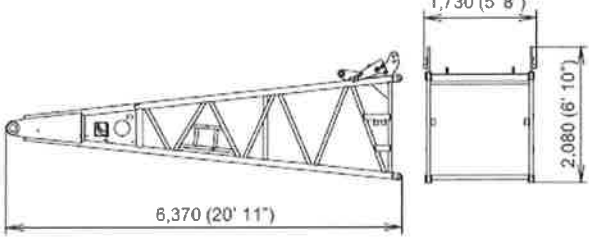
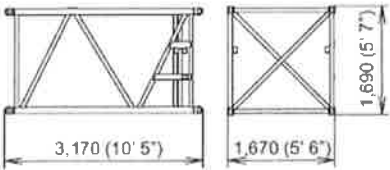
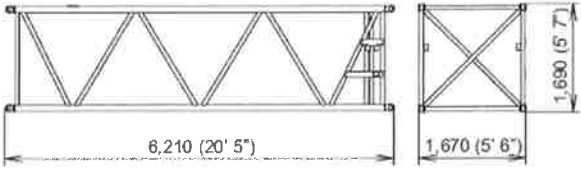
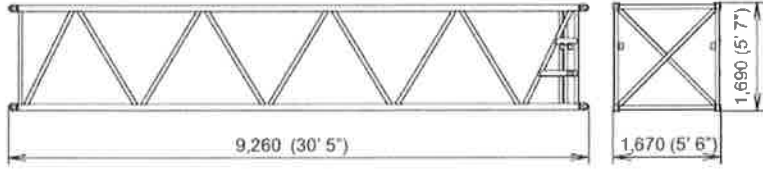
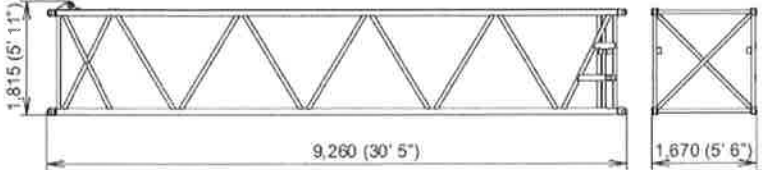
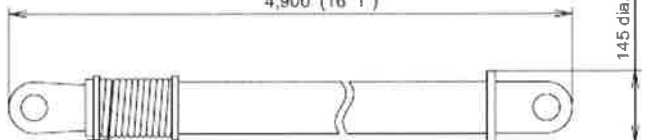
► **Base Machine**

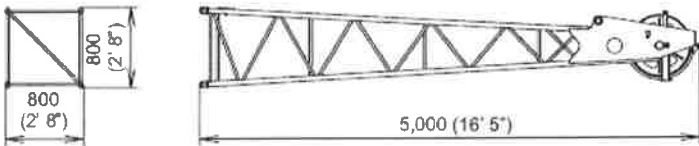
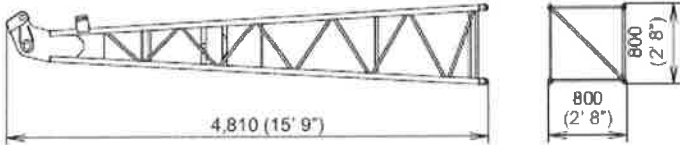
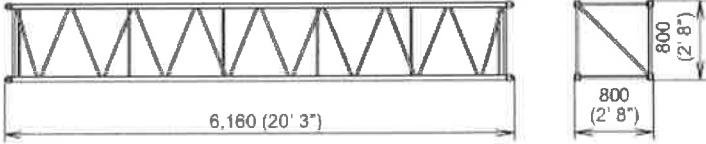
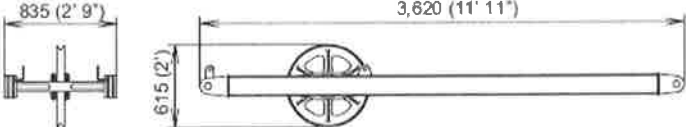
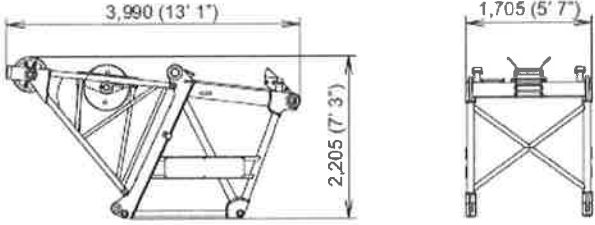
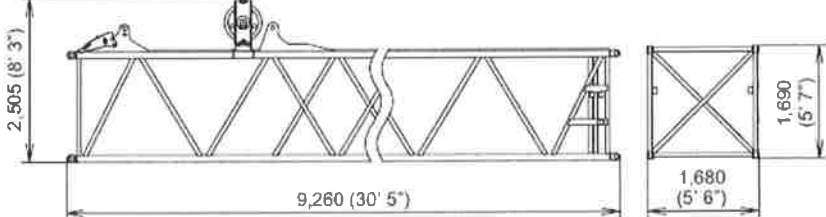
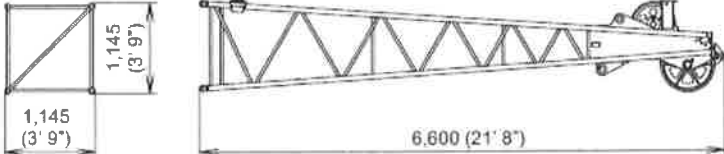
Name	Dimension mm (ft-in)	Weight kg (lbs)
Base Machine <ul style="list-style-type: none"> • Boom base • Gantry • Crawler • Crane backstop • Wire rope (Front/rear/boom hoist) 		49,900 (110,009)
Base Machine <ul style="list-style-type: none"> • Crawler • Wire rope (Front/rear) 		45,400 (100,088)
Base Machine <ul style="list-style-type: none"> • Boom base • Gantry • Wire rope (Front/rear/boom hoist) • Crane backstop • Without crawler 		29,200 (64,374)
Base Machine <ul style="list-style-type: none"> • Gantry • Wire rope (Front/rear) Without crawler 		24,700 (54,453)
Crawler		10,300 (22,707)

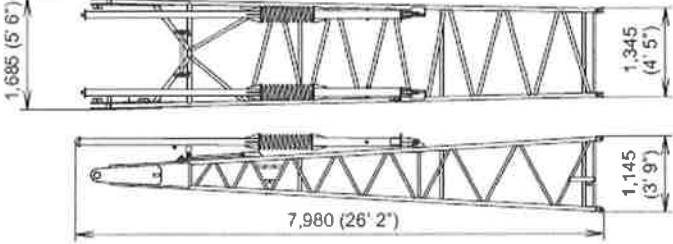
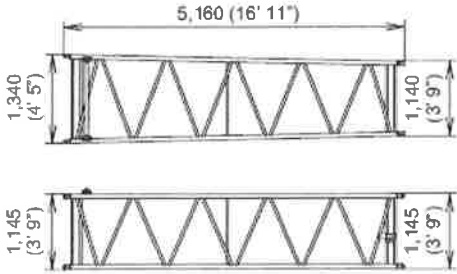
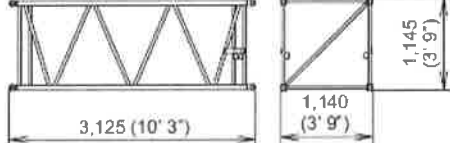
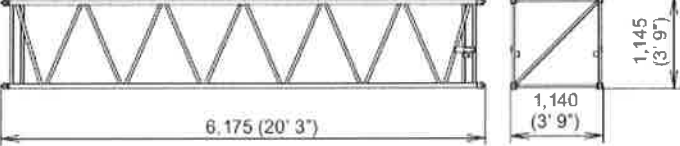
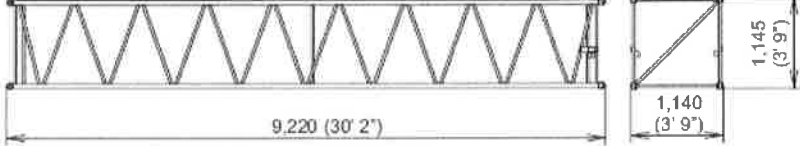
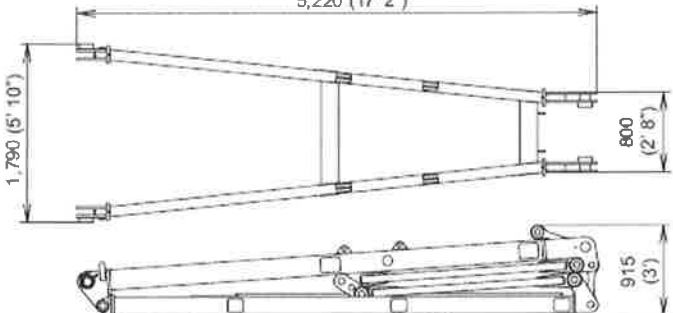
Counterweight

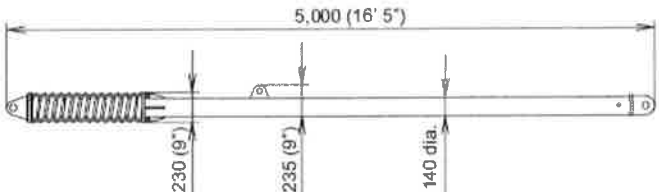
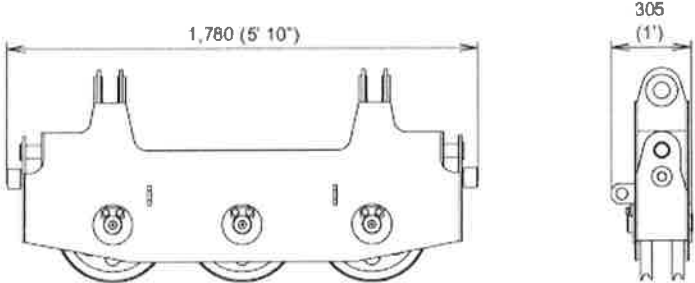
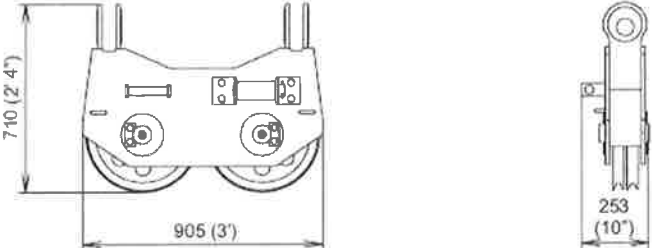
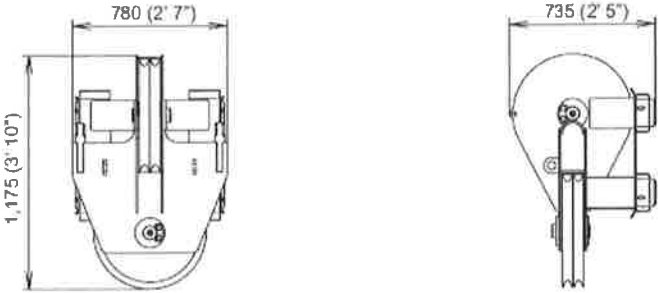
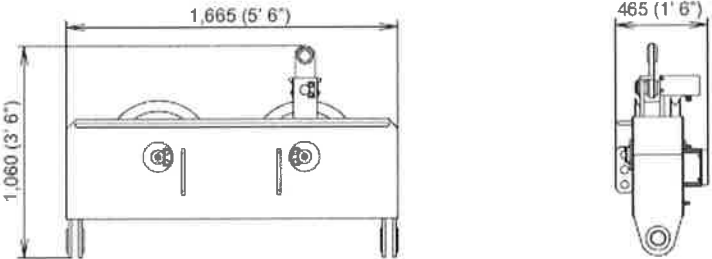
Name	Dimension mm (ft-in)	Weight kg (lbs)
Counterweight (1)		9,920 (21,869)
Counterweight (2)		8,940 (19,709)
Counterweight (3)		7,960 (17,549)
Counterweight (L) (4)		2,350 (5,181)
Counterweight (R) (5)		3,740 (8,245)
Carbody weight		3,300 (7,275)
TW weight (L) (6)		305 (672)
TW weight (R) (7)		430 (948)

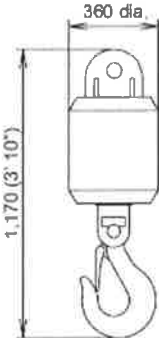
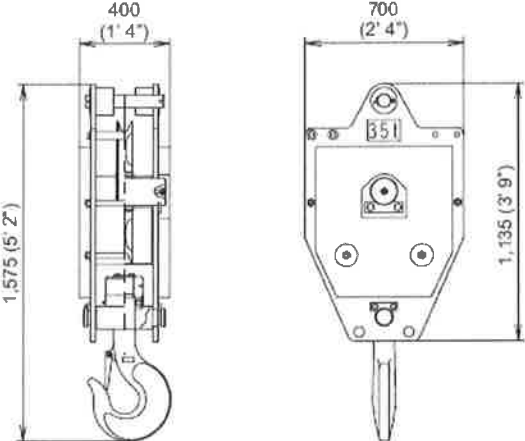
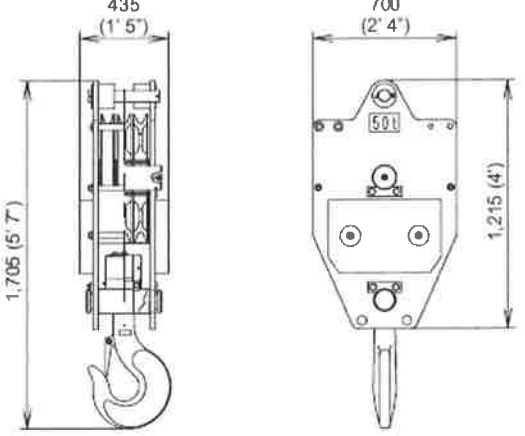
Attachment

Name	Dimension mm (ft-in)	Weight kg (lbs)
Boom tip		1,720 (3,792)
Boom base		1,580 (3,483)
3.0 m (10 ft) Boom insert		400 (882)
6.1 m (20 ft) Boom insert		670 (1,477)
9.1 m (30 ft) Boom insert		940 (2,072)
9.1 m (30 ft) (9.1A) Boom insert with lug		950 (2,094)
Crane backstop		130 (287) / 1 piece

Name	Dimension mm (ft-in)	Weight kg (lbs)
Jib tip		280 (617)
Jib base		200 (441)
6.1 m (20 ft) Jib insert		180 (397)
Crane jib strut		250 (551)
Tower cap		1,220 (2,690)
9.1 m (30 ft) (9.1B) Special tower boom insert (include upper foothold)		1,460 (3,219)
Tower jib tip		560 (1,235)

Name	Dimension mm (ft-in)	Weight kg (lbs)
Tower jib base		1,060 (2,337)
5.0 m (16 ft) Tower taper jib insert		290 (639)
3.0 m (10 ft) Tower jib insert		180 (397)
6.1 m (20 ft) Tower jib insert		320 (705)
9.1 m (30 ft) Tower jib insert		460 (1,014)
Tower jib strut		1,090 (2,403)

Name	Dimension mm (ft-in)	Weight kg (lbs)
Tower backstop		380 (838) / 1 piece
Upper spreader for crane		300 (661)
Lower spreader for crane		200 (441)
Upper spreader for tower jib hoist		300 (661)
Lower spreader for tower jib hoist		370 (816)

Name	Dimension mm (ft-in)	Weight kg (lbs)
Ball hook		300 (661)
35 t hook		700 (1,543)
50 t hook		850 (1,874)

Name	Dimension mm (ft-in)	Weight kg (lbs)
90 t hook	<p>Technical drawing of a 90 t hook. The drawing includes two views: a side view and a front view. The side view shows a width of 515 mm (1' 8") and a height of 1,870 mm (6' 2"). The front view shows a width of 700 mm (2' 4") and a height of 1,365 mm (4' 6").</p>	1,300 (2,866)

The corresponding "mobile crane driving license" is required for the driving of mobile crane > 5t lifting load, "construction equipment vehicle (site & others) driving skill certification" for clamshell operation, construction equipment vehicle (basic) driving skill certification" for site operation.

Kobelco Cranes Co., Ltd

www.kobelco-cranes.com

17-1, Higashigotanda 2-chome, Shinagawa-ku, Tokyo 141-8626
JAPAN Tel: 03-5789-2130

Inquiries To:

Model: 7090G

7090G-1 SPEC-1 (all designs and specifications are subject to change without advance notice.)
Please read the 'Operator's Manual" before operating this equipment.