

HSC SCX1000A-3

Specifications

MODEL **SCX1000A-3**
BOOK NO. **RHF90-EN-RL-OB-001**
SERIAL NO. **SC10A-8066 and up**

RATED LOADS ON BARGE

(EN RATING)

Hoist Rope 26mm

**Apply The Rated Loads Corresponding
To The Attachment Posture.**

HITACHI SUMITOMO

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CONTENTS

Rated Capacity Limiter	
1 Configuring the On-Barge Performance.....	1-(1/4)
Gross Rated Load Table	
2 Precautions Of Rated Loads On Barge.....	2-(1/2)
3 Main Boom Capacities On Barge.....	3-(1/6)
4 Aux. Sheave Capacities On Barge.....	4-(1/6)
5 Main Boom With Aux. Sheave Capacities On Barge.....	5-(1/6)

Rated Capacity Limiter

1 Configuring the On-Barge Performance







CAUTION:

If this setting is not configured correctly, the overload prevention device (ML) may not function properly, possibly resulting in the machine tipping over or damage to the machine. Be sure to check or configure the following points.

Configure the on-barge performance at the Machine Specifications screen. This screen is used to confirm and configure the configured crane unit specifications and specifications related to the front attachment.




All the screens shown below are sample screens to explain their operation. Therefore, some of them may differ from those actually displayed.

(1) Displaying the Machine Specifications Screen

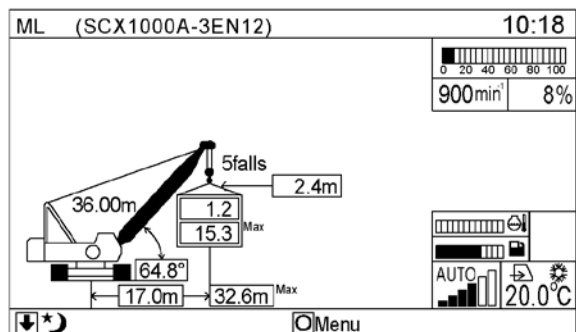
- When the engine key switch is in the "OFF" position
 1. Turn the engine key switch to the "ON" position. The Machine Specifications screen is displayed.
- When the engine key switch is in the "ON" position
 1. After the Overload prevention device (ML) screen appears, press the  key. The menu is displayed on the screen.
 2. Press the   keys to move the blue cursor to Machine Specifications, and then press the  key. The screen changes to the Machine Specifications screen.

Machine Specifications		load ratio	8%
Undercarriage	Crawler	Boom length	36.00m
Attachment	Crane(Std)	Jib	None
Boom Mast	None	Offset angle	None
Lifting Tool	Hook	BM hook capacity	100.0t
Counterweight	Standard	# of falls : BM	5falls
Crawler Width	Standard	JB hook capacity	None
Inclination	0deg	# of falls : Jib	None
Boom Hook Drum	Front	Skywalk	None
Jib Hook Drum	Rear		

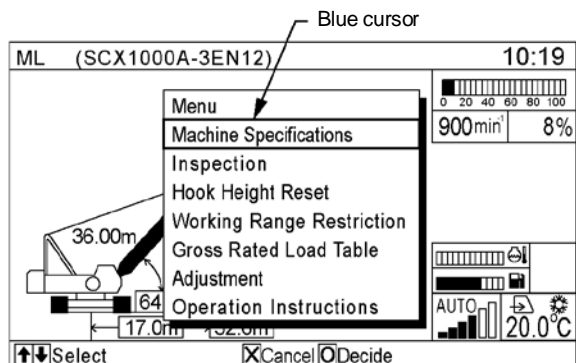
Select the item, Press the <Change> key

 Select  Return  Change

G60659-R00



G60660-R00



G60661-R00

Rated Capacity Limiter

(2) Configuring the On-Barge Performance

To configure or change the on-barge performance, carry out the following operation.

1. Press the keys to move the blue cursor to the Inclination field, and then press the key. If you want to change other items, move the blue cursor to the first item to be changed, and then press the key.
The Operational Specification Setting screen appears.

Machine Specifications		load ratio	8%
Undercarriage	Crawler	Boom length	36.00m
Attachment	Crane(Std)	Jib	None
Boom Mast	None	Offset angle	None
Lifting Tool	Hook	BM hook capacity	100.0t
Counterweight	Standard	# of falls : BM	5falls
Crawler Width	Standard	JB hook capacity	None
Inclination	0deg	# of falls : Jib	None
Boom Hook Drum	Front	Skywalk	None
Jib Hook Drum	Rear		

Select the item, Press the <Change> key

Select Return Change

G60662-R00

- NOTE:**
- When the Attachment is Tower, Inclination cannot be selected.
 - The items that can be set depend on the customer's order specifications.
 - The items shown with a light gray background can be set.
 - The items shown with a dark gray background cannot be set (as they are outside of the specifications).

2. The Inclination item is displayed. Press the keys to move the blue cursor to the item to be changed.
When an item other than Inclination is selected at the Operation Specification Setting screen, the Inclination item may not appear.

Operational Specification Setting		10:15
Attachment	Standard	
Inclination	0deg	1deg 2deg 3deg
Boom Hook Drum	Front	Rear

Move cursor to the item changed by the <CHANGE> key, and press the <SELECT> key.

Select Change Return

MRJH90-03-310

Operational Specification Setting		10:16
Attachment	Standard	
Inclination	0deg	1deg 2deg 3deg
Boom Hook Drum	Front	Rear

Move cursor to the item changed by the <CHANGE> key, and press the <SELECT> key.

Select Change Return

MRJH90-03-311

Rated Capacity Limiter

3. After the selection is completed, press the key. The blue cursor moves down one, and a new item is displayed.

Press the keys to move the blue cursor to the item to be changed. After this, repeat this operation until the Complete appears in the item field.

4. After you select all items and move the blue cursor to the Complete field, "○" Decide" appears in the key guidance field at the bottom of the screen.

Press the key.

The screen changes to the Machine Specifications confirmation screen.

NOTE: • When you want to cancel configuration of the operational specification settings, press the key. The screen returns to the Machine Specifications confirmation screen.

- Press the key to refer to the help screen.

You can confirm the configuration method of Operational Specification Setting screen.

Operational Specification Setting		10:19
Attachment	Standard	
Inclination	1deg	
Boom Hook Drum	Front	Rear
Boom length(m)	12.00	15.00 18.00 21.00 24.00 <input type="button" value="→"/>
Move cursor to the item changed by the <CHANGE> key, and press the <SELECT> key.		
<input type="button" value="↑↓Select"/> <input type="button" value="→Change"/> <input checked="" type="button" value="✕Return"/>		

G60665-R00

Operational Specification Setting		10:19
Boom length(m)	36.00	
Jib(m)	None	
BM hook(t)	100	
BM hook(fall)	5	
Skywalk	None	
Complete		
Press<DECIDE>key to end setting		
<input type="button" value="↑Select"/> <input checked="" type="button" value="✕Return"/> <input type="button" value="○Decide"/>		

G60664-R00

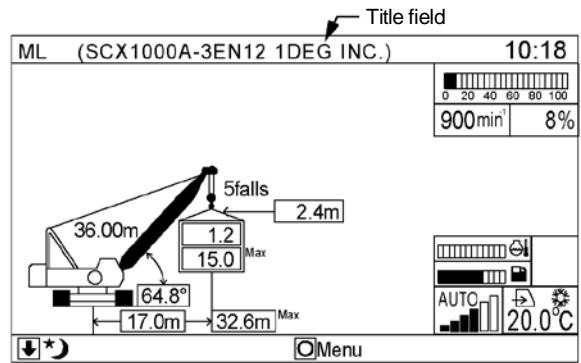
5. When the Machine Specifications confirmation screen is displayed, check the displayed specifications again, and then press the key to return to the Overload prevention device (ML) screen.

Machine Specifications		load ratio	8%
Undercarriage	Crawler	Boom length	36.00m
Attachment	Crane(Std)	Jib	None
Boom Mast	None	Offset angle	None
Lifting Tool	Hook	BM hook capacity	100.0t
Counterweight	Standard	# of falls : BM	5falls
Crawler Width	Standard	JB hook capacity	None
Inclination	0deg	# of falls : Jib	None
Boom Hook Drum	Front	Skywalk	None
Jib Hook Drum	Rear		
Select the item, Press the <Change> key			
<input type="button" value="↓Select"/> <input checked="" type="button" value="✕Return"/> <input type="button" value="○Change"/>			

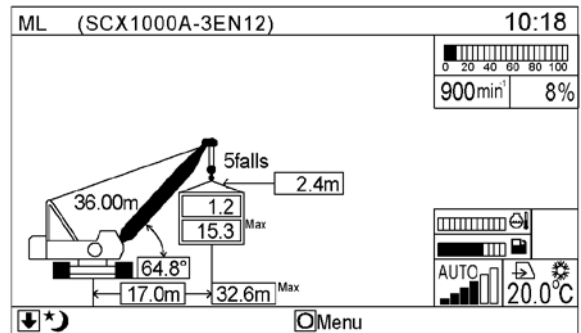
G60659-R00

Rated Capacity Limiter

6. When Inclination has been configured, the currently specified inclination angle appears in the title field. When Inclination is configured to "0deg", the inclination angle is not displayed.



G60663-R00

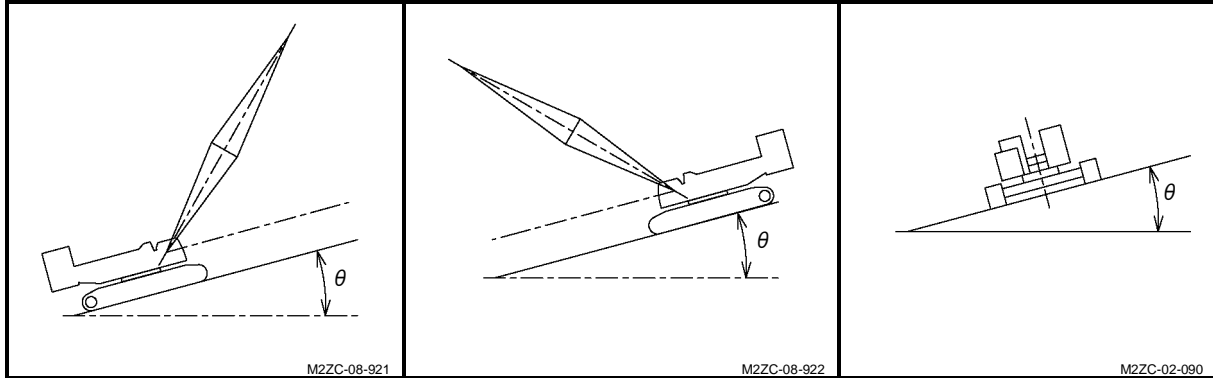


G60660-R00

Gross Rated Load Table

2 Precautions Of Rated Loads On Barge (1/2)

1. Capacities included in these charts are the values for the following inclinations. ($\theta = 0, 1, 2, 3^\circ$)



2. The boom length and counter weight combinations that can be used on different slopes are shown in the table below.

	On Ground (0°)	On Barge (1, 2, 3°)
Boom length	12 to 60 m	12 to 42m

3. Capacities are in metric tons, and are rated in accordance with European EN13000 Standards in terms of machine stability and structural strength limitations.
; the figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
4. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.
5. The "working radius" is the horizontal distance from the slewing center to the center of gravity of a lifted load.
6. The permissible instantaneous wind speed is 10 m/s.
7. Do not lift or suspend a load from the luffing jib hook and boom head hoist hook at the same time.
8. The counter weight is 49.5 ton. (Superstructure 37.5 ton + Undercarriage 12.0 ton)
9. Correlation between the number of reeved lines, maximum rated loads, hook weights are shown in the table below.

Hook Capacity	Hook Weight (t)	Maximum Rated Loads (t)							
		8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
100 t	1.20	100	84	72	60	48	-	-	-
50 t	1.17	-	-	-	50	48	36	24	-
35 t	0.90	-	-	-	-	-	35	24	-
12 t	0.51	-	-	-	-	-	-	-	12

G60775-R00

Gross Rated Load Table

Precautions Of Rated Loads On Barge (2/2)

10. The boom tilt angle range is according to the working range diagram.
11. Crawler Crane must be fixed to Barge, the fixed position by the fixation way and positions depend on Barge sizes and structure.
12. Working area must be in flat water (smooth water) only, never in offshore and open sea.
13. Towing in offshore and open sea is not considered. Depend on the height of wave, counter weight shall be reduced during towing.

Gross Rated Load Table

3 Main Boom Capacities On Barge (1/6)

Unit ; t

Boom Length (m)	12			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
3.8	100.00			
4.0	94.95	80.00 /4.1	76.25 /4.3	
4.5	84.40	79.15	73.55	68.90
5.0	75.95	72.15	67.55	63.65
5.5	69.05	66.30	62.40	59.15
6.0	63.30	61.25	58.00	55.25
7.0	54.10	53.20	50.50	47.85
8.0	44.90	44.80	43.60	41.70
9.0	38.10	38.00	37.90	36.90
10.0	33.00	32.90	32.85	32.75
12.0	26.50 /11.8	26.45 /11.8	26.40 /11.8	26.40 /11.8

Unit ; t

Boom Length (m)	15			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
4.5	84.40	74.55 /4.7		
5.0	75.95	70.65	63.75	52.70 /5.2
5.5	69.05	64.95	60.20	52.70
6.0	63.30	60.10	56.05	52.65
7.0	54.10	52.25	49.25	46.30
8.0	44.90	44.70	43.10	40.55
9.0	38.05	37.90	37.75	36.05
10.0	32.90	32.80	32.65	32.35
12.0	25.80	25.70	25.65	25.55
14.0	21.10	21.05	21.00	20.95
16.0	20.30 /14.4	20.30 /14.4	20.25 /14.4	20.20 /14.4

Gross Rated Load Table

Main Boom Capacities On Barge (2/6)

Unit ; t

Boom Length (m)	18			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
5.0	75.95	65.70 /5.3		
5.5	68.80	63.60	52.95 /5.6	41.95 /5.9
6.0	62.85	58.90	52.75	41.90
7.0	53.00	51.25	47.65	41.25
8.0	44.75	44.50	41.80	38.85
9.0	37.90	37.65	36.95	34.65
10.0	32.75	32.60	32.40	31.20
12.0	25.60	25.50	25.35	25.25
14.0	20.90	20.80	20.70	20.65
16.0	17.55	17.45	17.40	17.35
18.0	16.20 /17.0	16.15 /17.0	16.10 /17.0	16.10 /17.0

Unit ; t

Boom Length (m)	21			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
5.5	65.70 /5.6	58.70 /5.9		
6.0	60.75	57.85	43.55 /6.3	33.50 /6.6
7.0	51.15	50.40	42.85	33.40
8.0	44.05	43.90	40.70	33.00
9.0	37.85	37.55	36.10	32.50
10.0	32.70	32.50	32.25	30.25
12.0	25.55	25.40	25.20	25.05
14.0	20.80	20.70	20.55	20.45
16.0	17.45	17.35	17.25	17.15
18.0	14.90	14.85	14.80	14.75
20.0	13.35 /19.6	13.30 /19.6	13.25 /19.6	13.20 /19.6

Gross Rated Load Table

Main Boom Capacities On Barge (3/6)

Unit ; t

Boom Length (m)	24			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
6.0	57.25 /6.1	50.30 /6.5	36.20 /6.9	
7.0	49.30	49.05	36.15	27.40 /7.3
8.0	42.60	42.40	35.45	27.30
9.0	37.45	37.25	34.65	27.05
10.0	32.60	32.30	31.60	26.75
12.0	25.40	25.20	25.00	24.45
14.0	20.65	20.50	20.30	20.15
16.0	17.25	17.15	17.00	16.90
18.0	14.75	14.65	14.55	14.45
20.0	12.80	12.70	12.65	12.55
22.0	11.25	11.20	11.15	11.10
24.0	11.10 /22.2	11.05 /22.2	11.00 /22.2	10.95 /22.2

Unit ; t

Boom Length (m)	27			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
6.0	49.85 /6.7			
7.0	47.60	43.20 /7.1	30.65 /7.6	
8.0	41.25	41.00	30.50	22.95
9.0	36.35	36.10	29.95	22.85
10.0	32.40	32.20	29.40	22.70
12.0	25.35	25.10	24.85	22.20
14.0	20.60	20.35	20.15	19.95
16.0	17.20	17.00	16.85	16.70
18.0	14.65	14.50	14.40	14.25
20.0	12.70	12.55	12.45	12.35
22.0	11.10	11.05	10.95	10.90
24.0	9.85	9.80	9.75	9.70
26.0	9.40 /24.8	9.35 /24.8	9.30 /24.8	9.25 /24.8

Gross Rated Load Table

Main Boom Capacities On Barge (4/6)

Unit ; t

Boom Length (m)	30			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
7.0	44.65 /7.2	37.75 /7.7		
8.0	39.95	37.50	26.40 /8.2	19.45 /8.7
9.0	35.30	35.00	26.10	19.45
10.0	31.55	31.25	25.70	19.40
12.0	25.15	24.85	24.55	19.10
14.0	20.40	20.15	19.90	18.65
16.0	17.00	16.80	16.60	16.40
18.0	14.45	14.30	14.10	13.95
20.0	12.50	12.35	12.20	12.10
22.0	10.90	10.80	10.70	10.60
24.0	9.65	9.55	9.45	9.40
26.0	8.60	8.50	8.45	8.40
28.0	7.95 /27.4	7.90 /27.4	7.85 /27.4	7.80 /27.4

Unit ; t

Boom Length (m)	33			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
7.0	39.65 /7.8			
8.0	38.65	32.95 /8.3	22.75 /8.9	
9.0	34.15	32.50	22.70	16.55 /9.4
10.0	30.55	30.25	22.40	16.55
12.0	25.00	24.65	21.75	16.40
14.0	20.25	19.95	19.65	16.10
16.0	16.85	16.60	16.35	15.70
18.0	14.30	14.05	13.85	13.65
20.0	12.30	12.15	11.95	11.80
22.0	10.70	10.60	10.45	10.30
24.0	9.45	9.30	9.20	9.10
26.0	8.35	8.25	8.15	8.10
28.0	7.45	7.40	7.30	7.25
30.0	6.70	6.60	6.60	6.50

Gross Rated Load Table

Main Boom Capacities On Barge (5/6)

Unit ; t

Boom Length (m)	36			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
8.0	36.00 /8.3	29.10 /8.9		
9.0	33.15	29.05	19.80 /9.5	
10.0	29.70	28.50	19.70	14.20 /10.1
12.0	24.40	24.10	19.25	14.15
14.0	20.00	19.65	18.65	13.95
16.0	16.60	16.30	16.00	13.70
18.0	14.05	13.80	13.55	13.30
20.0	12.05	11.85	11.65	11.45
22.0	10.50	10.30	10.10	9.95
24.0	9.20	9.05	8.90	8.75
26.0	8.15	8.00	7.85	7.75
28.0	7.25	7.10	7.00	6.90
30.0	6.45	6.35	6.30	6.20
32.0	5.80	5.75	5.65	5.60
34.0	5.60 /32.6	5.55 /32.6	5.50 /32.6	5.45 /32.6

Unit ; t

Boom Length (m)	39			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
8.0	32.95 /8.8			
9.0	32.20	25.40 /9.5		
10.0	28.90	25.25	17.35 /10.2	12.25 /10.8
12.0	23.80	23.45	17.05	12.25
14.0	20.00	19.60	16.60	12.20
16.0	16.55	16.25	15.90	12.00
18.0	14.00	13.75	13.45	11.75
20.0	12.05	11.80	11.55	11.30
22.0	10.45	10.25	10.05	9.85
24.0	9.15	8.95	8.80	8.60
26.0	8.10	7.90	7.75	7.60
28.0	7.15	7.05	6.90	6.80
30.0	6.40	6.30	6.15	6.05
32.0	5.75	5.65	5.55	5.45
34.0	5.15	5.05	5.00	4.95
36.0	4.85 /35.2	4.75 /35.2	4.70 /35.2	4.65 /35.2

Gross Rated Load Table

Main Boom Capacities On Barge (6/6)

Unit ; t

Boom Length (m)	42			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
9.0	29.90 /9.4			
10.0	28.05	21.90 /10.1	14.70 /10.8	10.20 /11.5
12.0	23.15	21.15	14.55	10.20
14.0	19.50	19.15	14.20	10.20
16.0	16.35	15.95	13.80	10.10
18.0	13.80	13.45	13.15	9.90
20.0	11.80	11.50	11.25	9.70
22.0	10.20	9.95	9.70	9.50
24.0	8.90	8.70	8.50	8.30
26.0	7.85	7.65	7.45	7.30
28.0	6.95	6.75	6.60	6.45
30.0	6.15	6.00	5.85	5.75
32.0	5.50	5.35	5.25	5.15
34.0	4.90	4.80	4.70	4.60
36.0	4.40	4.30	4.20	4.15
38.0	4.00 /37.8	3.90 /37.8	3.85 /37.8	3.80 /37.8

Gross Rated Load Table

4 Aux. Sheave Capacities On Barge (1/6)

Unit ; t

Boom Length (m)	12			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
4.6	12.00	12.00 /4.9		
5.0	12.00	12.00	12.00 /5.1	12.00 /5.4
5.5	12.00	12.00	12.00	12.00
6.0	12.00	12.00	12.00	12.00
7.0	12.00	12.00	12.00	12.00
8.0	12.00	12.00	12.00	12.00
9.0	12.00	12.00	12.00	12.00
10.0	12.00	12.00	12.00	12.00
12.0	12.00	12.00	12.00	12.00
14.0	12.00 /13.1	12.00 /13.1	12.00 /13.1	12.00 /13.1

Unit ; t

Boom Length (m)	15			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
5.0	12.00 /5.3			
5.5	12.00	12.00	12.00 /5.8	
6.0	12.00	12.00	12.00	12.00 /6.1
7.0	12.00	12.00	12.00	12.00
8.0	12.00	12.00	12.00	12.00
9.0	12.00	12.00	12.00	12.00
10.0	12.00	12.00	12.00	12.00
12.0	12.00	12.00	12.00	12.00
14.0	12.00	12.00	12.00	12.00
16.0	12.00 /15.7	12.00 /15.7	12.00 /15.7	12.00 /15.7

Gross Rated Load Table

Aux. Sheave Capacities On Barge (2/6)

Unit ; t

Boom Length (m)	18			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
5.5	12.00 /5.8			
6.0	12.00	12.00 /6.1	12.00 /6.4	12.00 /6.8
7.0	12.00	12.00	12.00	12.00
8.0	12.00	12.00	12.00	12.00
9.0	12.00	12.00	12.00	12.00
10.0	12.00	12.00	12.00	12.00
12.0	12.00	12.00	12.00	12.00
14.0	12.00	12.00	12.00	12.00
16.0	12.00	12.00	12.00	12.00
18.0	12.00	12.00	12.00	12.00
20.0	12.00 /18.2	12.00 /18.2	12.00 /18.2	12.00 /18.2

Unit ; t

Boom Length (m)	21			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
6.0	12.00 /6.3	12.00 /6.7		
7.0	12.00	12.00	12.00 /7.1	12.00 /7.5
8.0	12.00	12.00	12.00	12.00
9.0	12.00	12.00	12.00	12.00
10.0	12.00	12.00	12.00	12.00
12.0	12.00	12.00	12.00	12.00
14.0	12.00	12.00	12.00	12.00
16.0	12.00	12.00	12.00	12.00
18.0	12.00	12.00	12.00	12.00
20.0	12.00	12.00	12.00	12.00
22.0	12.00 /20.8	12.00 /20.8	12.00 /20.8	11.95 /20.8

Gross Rated Load Table

Aux. Sheave Capacities On Barge (3/6)

Unit ; t

Boom Length (m)	24			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
6.0	12.00 /6.9			
7.0	12.00	12.00 /7.3	12.00 /7.7	
8.0	12.00	12.00	12.00	12.00 /8.2
9.0	12.00	12.00	12.00	12.00
10.0	12.00	12.00	12.00	12.00
12.0	12.00	12.00	12.00	12.00
14.0	12.00	12.00	12.00	12.00
16.0	12.00	12.00	12.00	12.00
18.0	12.00	12.00	12.00	12.00
20.0	12.00	12.00	12.00	12.00
22.0	11.00	10.90	10.85	10.80
24.0	10.10 /23.4	10.05 /23.4	10.00 /23.4	9.95 /23.4

Unit ; t

Boom Length (m)	27			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
7.0	12.00 /7.4	12.00 /7.9		
8.0	12.00	12.00	12.00 /8.4	12.00 /8.9
9.0	12.00	12.00	12.00	12.00
10.0	12.00	12.00	12.00	12.00
12.0	12.00	12.00	12.00	12.00
14.0	12.00	12.00	12.00	12.00
16.0	12.00	12.00	12.00	12.00
18.0	12.00	12.00	12.00	12.00
20.0	12.00	12.00	12.00	12.00
22.0	10.85	10.75	10.65	10.55
24.0	9.60	9.50	9.45	9.35
26.0	8.50	8.40	8.40	8.40

Gross Rated Load Table

Aux. Sheave Capacities On Barge (4/6)

Unit ; t

Boom Length (m)	30			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
8.0	12.00	12.00 /8.5		
9.0	12.00	12.00	12.00	12.00 /9.6
10.0	12.00	12.00	12.00	12.00
12.0	12.00	12.00	12.00	12.00
14.0	12.00	12.00	12.00	12.00
16.0	12.00	12.00	12.00	12.00
18.0	12.00	12.00	12.00	12.00
20.0	12.00	12.00	11.90	11.75
22.0	10.65	10.50	10.40	10.25
24.0	9.35	9.25	9.15	9.05
26.0	8.30	8.20	8.15	8.05
28.0	7.40	7.35	7.30	7.25
30.0	7.20 /28.6	7.10 /28.6	7.05 /28.6	7.00 /28.6

Unit ; t

Boom Length (m)	33			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
8.0	12.00 /8.5			
9.0	12.00	12.00 /9.1	12.00 /9.7	
10.0	12.00	12.00	12.00	12.00 /10.3
12.0	12.00	12.00	12.00	12.00
14.0	12.00	12.00	12.00	12.00
16.0	12.00	12.00	12.00	12.00
18.0	12.00	12.00	12.00	12.00
20.0	12.00	11.85	11.65	11.45
22.0	10.45	10.30	10.10	9.95
24.0	9.15	9.00	8.90	8.75
26.0	8.10	7.95	7.85	7.75
28.0	7.20	7.10	7.00	6.90
30.0	6.40	6.35	6.30	6.20
32.0	6.00 /31.2	5.95 /31.2	5.90 /31.2	5.85 /31.2

Gross Rated Load Table

Aux. Sheave Capacities On Barge (5/6)

Unit ; t

Boom Length (m)	36			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
9.0	12.00 /9.1	12.00 /9.7		
10.0	12.00	12.00	12.00 /10.3	12.00 /11.0
12.0	12.00	12.00	12.00	12.00
14.0	12.00	12.00	12.00	12.00
16.0	12.00	12.00	12.00	12.00
18.0	12.00	12.00	12.00	12.00
20.0	11.80	11.55	11.30	11.10
22.0	10.20	10.00	9.80	9.60
24.0	8.90	8.75	8.55	8.40
26.0	7.85	7.70	7.55	7.40
28.0	6.95	6.80	6.70	6.55
30.0	6.15	6.05	5.95	5.85
32.0	5.50	5.40	5.35	5.25
34.0	5.00 /33.8	4.90 /33.8	4.85 /33.8	4.80 /33.8

Unit ; t

Boom Length (m)	39			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
9.0	12.00 /9.6			
10.0	12.00	12.00 /10.3	12.00 /11.0	11.85 /11.7
12.0	12.00	12.00	12.00	11.85
14.0	12.00	12.00	12.00	11.75
16.0	12.00	12.00	12.00	11.65
18.0	12.00	12.00	12.00	11.45
20.0	11.75	11.50	11.20	10.95
22.0	10.15	9.90	9.70	9.45
24.0	8.85	8.65	8.45	8.25
26.0	7.80	7.60	7.40	7.25
28.0	6.85	6.70	6.55	6.40
30.0	6.10	5.95	5.80	5.70
32.0	5.40	5.30	5.20	5.10
34.0	4.85	4.75	4.65	4.55
36.0	4.30	4.25	4.20	4.10
38.0	4.25 /36.4	4.15 /36.4	4.10 /36.4	4.05 /36.4

Gross Rated Load Table

Aux. Sheave Capacities On Barge (6/6)

Unit ; t

Boom Length (m)	42			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
10.0	12.00 /10.2	12.00 /10.9	12.00 /11.6	
12.0	12.00	12.00	12.00	9.75 /12.4
14.0	12.00	12.00	12.00	9.75
16.0	12.00	12.00	12.00	9.65
18.0	12.00	12.00	12.00	9.55
20.0	11.55	11.20	10.90	9.35
22.0	9.90	9.65	9.35	9.10
24.0	8.60	8.35	8.10	7.90
26.0	7.55	7.30	7.10	6.90
28.0	6.60	6.40	6.25	6.05
30.0	5.85	5.65	5.50	5.35
32.0	5.15	5.00	4.85	4.75
34.0	4.55	4.45	4.35	4.20
36.0	4.05	3.95	3.85	3.75
38.0	3.60	3.50	3.45	3.40
40.0	3.40 /39.0	3.35 /39.0	3.25 /39.0	3.20 /39.0

Gross Rated Load Table

5 Main Boom With Aux. Sheave Capacities On Barge (1/6)

Unit ; t

Boom Length (m)	12			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
3.8	97.60			
4.0	94.95	80.00 /4.1	75.60 /4.3	
4.5	84.40	78.50	72.90	68.20
5.0	75.95	71.50	66.90	63.00
5.5	69.05	65.60	61.70	58.50
6.0	63.30	60.60	57.30	54.60
7.0	54.10	52.50	49.90	47.20
8.0	44.50	44.30	43.00	41.10
9.0	37.70	37.50	37.40	36.30
10.0	32.60	32.50	32.40	32.30
12.0	26.10 /11.8	26.00 /11.8	26.00 /11.8	25.90 /11.8

Unit ; t

Boom Length (m)	15			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
4.5	84.40	73.80 /4.7		
5.0	75.95	69.90	63.00	52.00 /5.2
5.5	69.05	64.30	59.50	52.00
6.0	63.30	59.40	55.40	51.90
7.0	54.10	51.60	48.60	45.70
8.0	44.40	44.20	42.50	39.90
9.0	37.60	37.40	37.20	35.40
10.0	32.50	32.30	32.20	31.70
12.0	25.40	25.30	25.20	25.10
14.0	20.70	20.60	20.60	20.50
16.0	19.90 /14.4	19.90 /14.4	19.80 /14.4	19.80 /14.4

Gross Rated Load Table

Main Boom With Aux. Sheave Capacities On Barge (2/6)

Unit ; t

Boom Length (m)	18			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
5.0	75.95	65.00 /5.3		
5.5	68.80	62.90	52.20 /5.6	41.10 /5.9
6.0	62.80	58.20	52.00	41.00
7.0	52.40	50.50	47.00	40.40
8.0	44.30	44.00	41.20	38.20
9.0	37.50	37.20	36.30	34.00
10.0	32.30	32.10	31.90	30.50
12.0	25.20	25.00	24.90	24.70
14.0	20.50	20.40	20.30	20.10
16.0	17.10	17.10	17.00	16.90
18.0	15.80 /17.0	15.70 /17.0	15.70 /17.0	15.70 /17.0

Unit ; t

Boom Length (m)	21			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
5.5	65.10 /5.6	58.00 /5.9		
6.0	60.20	57.10	42.70 /6.3	32.60 /6.6
7.0	50.50	49.70	42.00	32.50
8.0	43.50	43.20	40.10	32.10
9.0	37.40	37.10	35.40	31.60
10.0	32.30	32.00	31.70	29.60
12.0	25.10	24.90	24.70	24.50
14.0	20.40	20.20	20.10	19.90
16.0	17.00	16.90	16.80	16.70
18.0	14.50	14.40	14.40	14.30
20.0	12.90 /19.6	12.90 /19.6	12.80 /19.6	12.80 /19.6

Gross Rated Load Table

Main Boom With Aux. Sheave Capacities On Barge (3/6)

Unit ; t

Boom Length (m)	24			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
6.0	56.60 /6.1	49.40 /6.5	35.30 /6.9	
7.0	48.70	48.30	35.30	26.50 /7.3
8.0	42.00	41.70	34.60	26.40
9.0	36.80	36.60	33.80	26.20
10.0	32.10	31.80	30.90	25.90
12.0	25.00	24.70	24.40	23.80
14.0	20.20	20.00	19.80	19.60
16.0	16.80	16.70	16.50	16.40
18.0	14.30	14.20	14.10	14.00
20.0	12.40	12.30	12.20	12.10
22.0	10.80	10.80	10.70	10.70
24.0	10.70 /22.2	10.60 /22.2	10.60 /22.2	10.50 /22.2

Unit ; t

Boom Length (m)	27			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
6.0	49.20 /6.7			
7.0	47.00	42.40 /7.1	29.80 /7.6	
8.0	40.70	40.30	29.60	22.10
9.0	35.70	35.40	29.10	22.00
10.0	31.80	31.50	28.50	21.80
12.0	24.90	24.60	24.30	21.30
14.0	20.10	19.90	19.60	19.40
16.0	16.70	16.50	16.30	16.10
18.0	14.20	14.00	13.90	13.70
20.0	12.30	12.10	12.00	11.90
22.0	10.70	10.60	10.50	10.40
24.0	9.40	9.40	9.30	9.20
26.0	9.00 /24.8	8.90 /24.8	8.90 /24.8	8.80 /24.8

Gross Rated Load Table

Main Boom With Aux. Sheave Capacities On Barge (4/6)

Unit ; t

Boom Length (m)	30			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
7.0	44.00 /7.2	36.90 /7.7		
8.0	39.40	36.70	25.50 /8.2	18.60 /8.7
9.0	34.70	34.30	25.20	18.60
10.0	30.90	30.60	24.80	18.50
12.0	24.70	24.30	23.90	18.20
14.0	19.90	19.60	19.30	17.80
16.0	16.50	16.30	16.00	15.80
18.0	14.00	13.80	13.60	13.40
20.0	12.00	11.90	11.70	11.50
22.0	10.50	10.30	10.20	10.10
24.0	9.20	9.10	9.00	8.90
26.0	8.20	8.10	8.00	7.90
28.0	7.50 /27.4	7.50 /27.4	7.40 /27.4	7.40 /27.4

Unit ; t

Boom Length (m)	33			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
7.0	39.00 /7.8			
8.0	38.00	32.10 /8.3	21.90 /8.9	
9.0	33.50	31.60	21.80	15.70 /9.4
10.0	29.90	29.50	21.60	15.70
12.0	24.50	24.10	20.90	15.50
14.0	19.80	19.40	19.00	15.20
16.0	16.40	16.10	15.80	14.90
18.0	13.80	13.60	13.30	13.10
20.0	11.80	11.60	11.40	11.20
22.0	10.30	10.10	9.90	9.80
24.0	9.00	8.80	8.70	8.60
26.0	7.90	7.80	7.70	7.60
28.0	7.00	7.00	6.90	6.80
30.0	6.30	6.20	6.20	6.10

Gross Rated Load Table

Main Boom With Aux. Sheave Capacities On Barge (5/6)

Unit ; t

Boom Length (m)	36			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
8.0	35.40 /8.3	28.20 /8.9		
9.0	32.50	28.20	18.90 /9.5	
10.0	29.00	27.60	18.80	13.30 /10.1
12.0	23.80	23.40	18.40	13.30
14.0	19.50	19.10	17.80	13.10
16.0	16.10	15.80	15.40	12.80
18.0	13.60	13.30	13.00	12.50
20.0	11.60	11.30	11.10	10.80
22.0	10.00	9.80	9.60	9.40
24.0	8.70	8.60	8.40	8.20
26.0	7.70	7.50	7.40	7.20
28.0	6.80	6.70	6.50	6.40
30.0	6.00	5.90	5.80	5.70
32.0	5.40	5.30	5.20	5.20
34.0	5.20 /32.6	5.10 /32.6	5.10 /32.6	5.00 /32.6

Unit ; t

Boom Length (m)	39			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
8.0	32.30 /8.8			
9.0	31.60	24.40 /9.5		
10.0	28.20	24.30	16.40 /10.2	11.40 /10.8
12.0	23.20	22.70	16.10	11.40
14.0	19.40	19.00	15.70	11.30
16.0	16.10	15.70	15.20	11.10
18.0	13.50	13.20	12.90	10.90
20.0	11.60	11.30	11.00	10.60
22.0	10.00	9.70	9.50	9.20
24.0	8.70	8.50	8.30	8.10
26.0	7.60	7.40	7.20	7.10
28.0	6.70	6.50	6.40	6.20
30.0	5.90	5.80	5.70	5.60
32.0	5.30	5.20	5.10	5.00
34.0	4.70	4.60	4.50	4.50
36.0	4.40 /35.2	4.30 /35.2	4.30 /35.2	4.20 /35.2

Gross Rated Load Table

Main Boom With Aux. Sheave Capacities On Barge (6/6)

Unit ; t

Boom Length (m)	42			
Working Radius (m)	List Angle 0 deg	List Angle 1 deg	List Angle 2 deg	List Angle 3 deg
9.0	29.20 /9.4			
10.0	27.40	20.90 /10.1	13.70 /10.8	9.20 /11.5
12.0	22.50	20.20	13.60	9.20
14.0	18.90	18.40	13.20	9.20
16.0	15.80	15.40	12.90	9.10
18.0	13.30	12.90	12.50	9.00
20.0	11.30	11.00	10.60	8.80
22.0	9.70	9.40	9.10	8.60
24.0	8.40	8.20	7.90	7.70
26.0	7.40	7.10	6.90	6.70
28.0	6.50	6.30	6.10	5.90
30.0	5.70	5.50	5.30	5.20
32.0	5.00	4.90	4.70	4.60
34.0	4.40	4.30	4.20	4.10
36.0	3.90	3.80	3.70	3.70
38.0	3.50 /37.8	3.50 /37.8	3.40 /37.8	3.30 /37.8



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