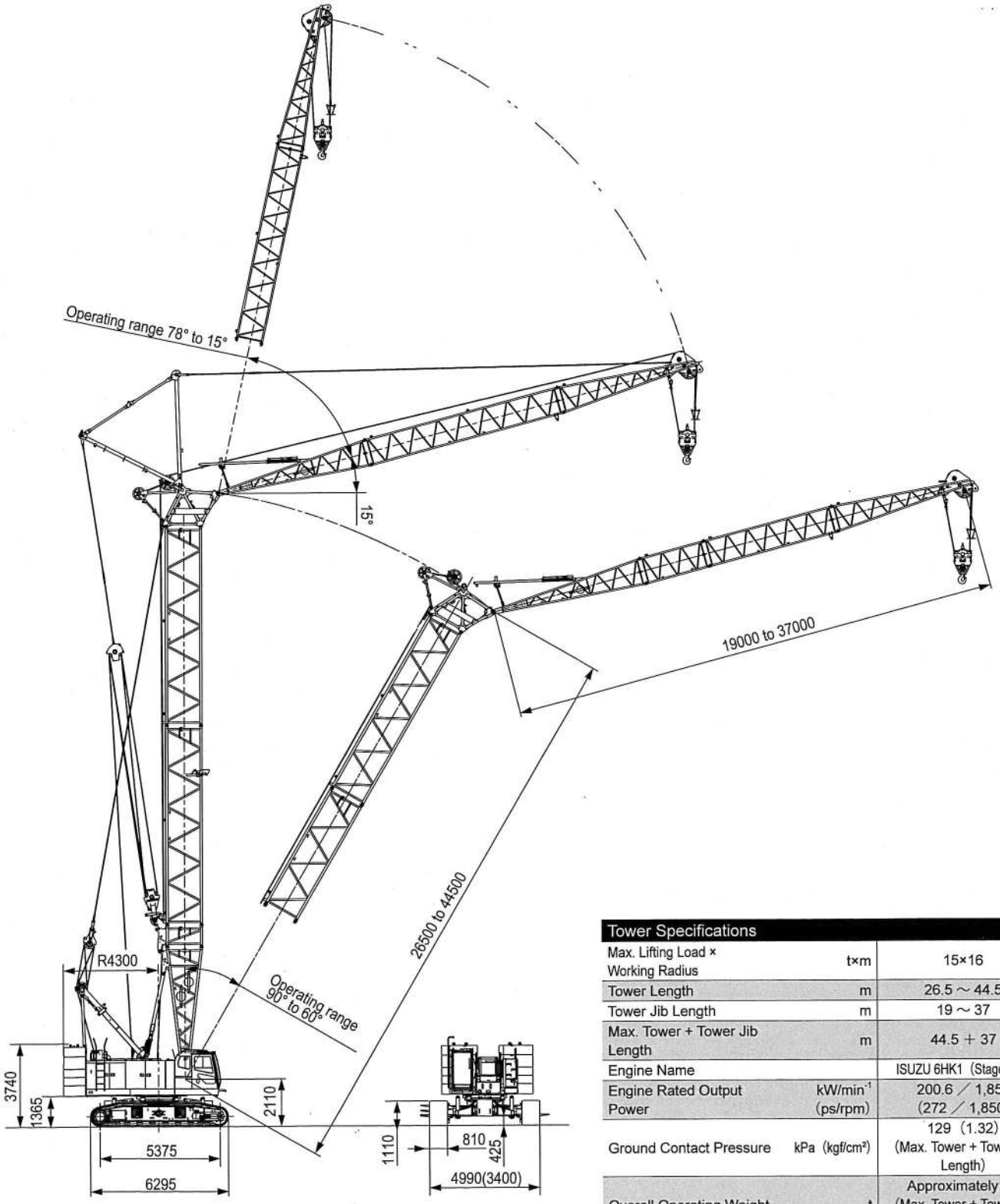
Tower Specifications

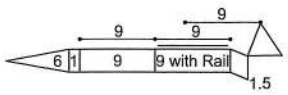
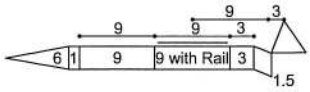
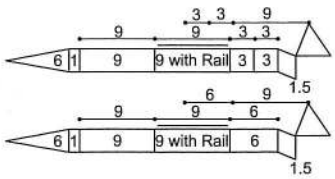
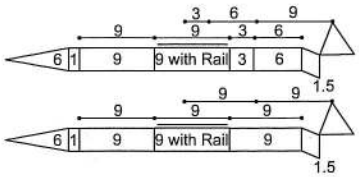
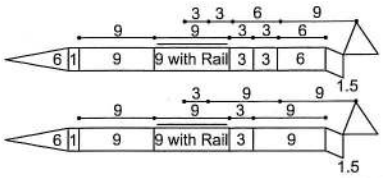
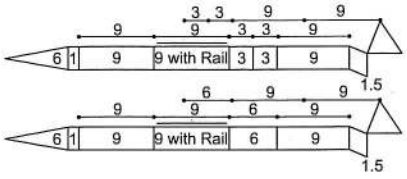
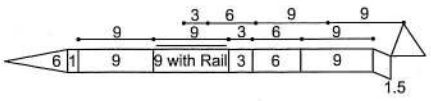
Dimensions and Specifications

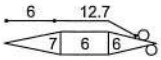
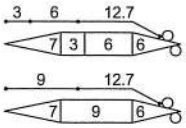
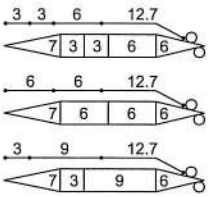
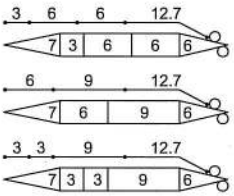
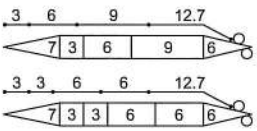
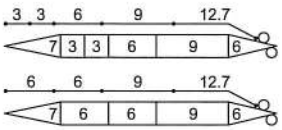
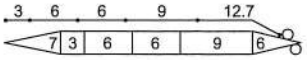


Tower Specifications		
Max. Lifting Load × Working Radius	t×m	15×16
Tower Length	m	26.5 ~ 44.5
Tower Jib Length	m	19 ~ 37
Max. Tower + Tower Jib Length	m	44.5 + 37
Engine Name		ISUZU 6HK1 (Stage IIIA)
Engine Rated Output Power	kW/min^{-1} (ps/rpm)	200.6 / 1,850 (272 / 1,850)
Ground Contact Pressure	kPa (kgf/cm²)	129 (1.32) (Max. Tower + Tower Jib Length)
Overall Operating Weight	t	Approximately115 (Max. Tower + Tower Jib Length)

Note :
- •Speeds marked with "*" may vary depending on load applied.
- •SI units are used for specifications. In parenthesis, conventional units are also indicated.

Tower and Tower Jib Configurations

Tower	
Tower Length (m)	Tower Boom Configurations
26.5	
29.5	
32.5	
35.5	
38.5	
41.5	
44.5	

Tower	
Tower Length (m)	Tower Boom Configurations
19	
22	
25	
28	
31	
34	
37	

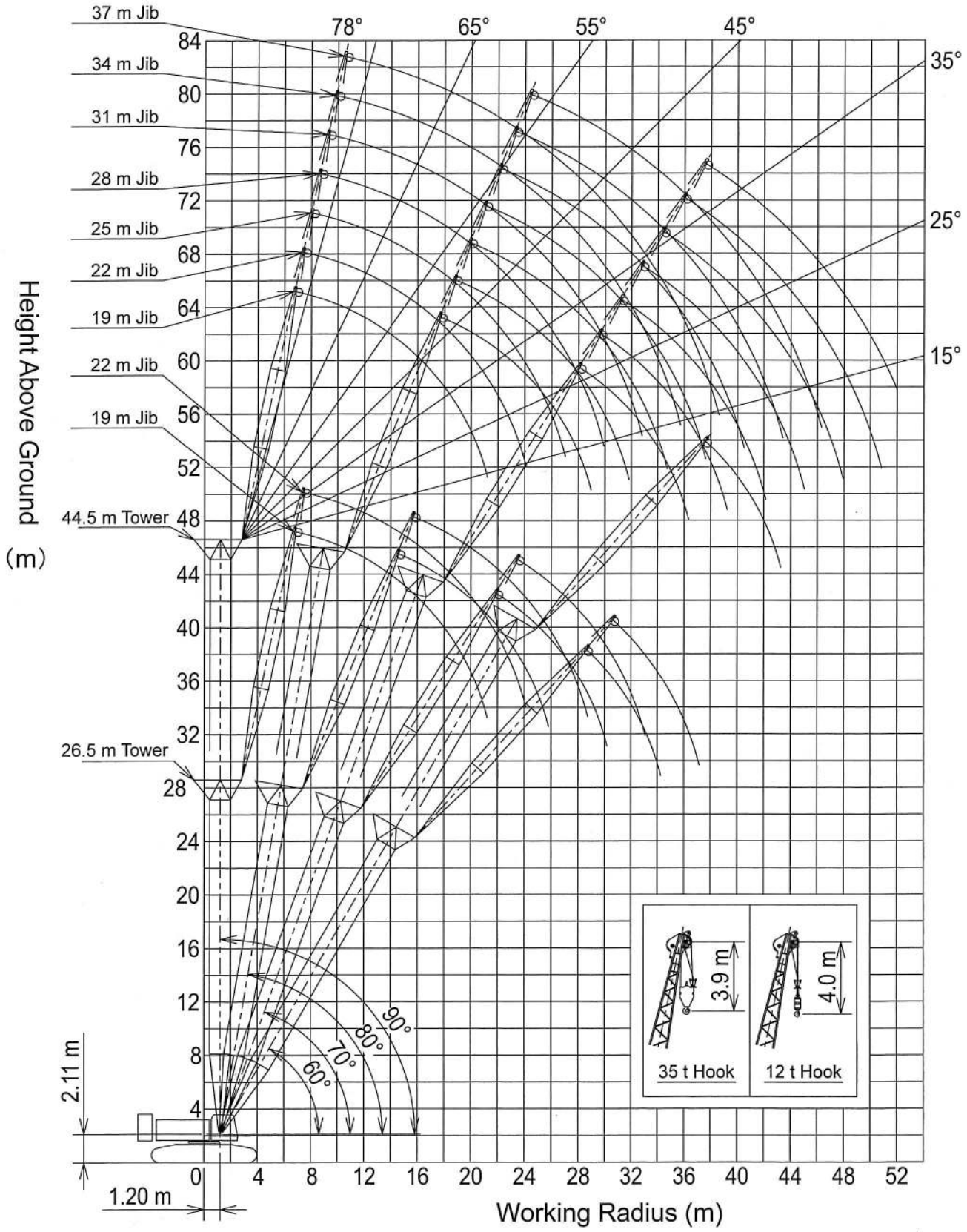
7 indicates the midpoint pendant rope connection position.

Dimensions Not Shown In The Figure	
Symbols	Tower Boom Length (m)
1.85	1.85
3	3
6	6
7.5	7.5
9	9
9B	9
9 with Rail	9

Dimensions Not Shown In The Figure	
Symbols	Tower Jib Length (m)
3	3
6	6
9	9

Working Ranges

Tower Boom



Gross Rated Load Table

■ 26.5 m Tower

Unit: ton

Tower Length (m)	26.5								Tower Length (m)
Jib length (m)	19				22				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
8.0	15.00 /8.4								8.0
9.0	15.00				15.00 /9.2				9.0
10.0	15.00				15.00				10.0
12.0	15.00				15.00				12.0
14.0	15.00	15.00 /15.7			15.00				14.0
16.0	13.80	15.00			13.80	13.90 /16.9			16.0
18.0	12.00	13.00			11.90	12.90			18.0
20.0	10.70	11.50			10.50	11.30			20.0
22.0	8.15 /21.7	10.20	8.65 /22.8		9.30	10.10			22.0
24.0		9.20	8.10		8.10	9.10	7.80 /24.5		24.0
26.0		8.20	7.50		7.40 /24.6	8.20	7.30		26.0
28.0		8.10 /26.1	6.80	5.60 /29.3		7.30	6.70		28.0
30.0			6.10	5.50		6.85 /29.0	6.20	4.95 /31.5	30.0
32.0			5.95 /30.4	5.10			5.70	4.90	32.0
34.0				4.70			5.35 /33.3	4.60	34.0
36.0				4.60 /34.5				4.30	36.0
38.0								4.05 /37.4	38.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

■ 29.5 m Tower

Unit: ton

Tower Length (m)	29.5								Tower Length (m)
Jib length (m)	19				22				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
8.0	15.00 /8.5								8.0
9.0	15.00				15.00 /9.3				9.0
10.0	15.00				15.00				10.0
12.0	15.00				15.00				12.0
14.0	15.00				15.00				14.0
16.0	13.80	14.60 /16.2			13.80	13.15 /17.4			16.0
18.0	12.00	12.80			11.90	12.70			18.0
20.0	10.50	11.30			10.50	11.10			20.0
22.0	8.50 /21.7	10.00	7.85 /23.8		9.30	9.90			22.0
24.0		9.00	7.80		8.10	8.90	7.00 /25.6		24.0
26.0		8.00	7.20		7.60 /24.6	8.10	6.90		26.0
28.0		7.65 /26.6	6.50			7.40	6.40		28.0
30.0			6.00	4.85 /30.8		6.85 /29.5	5.90		30.0
32.0			5.60 /31.5	4.70			5.40	4.30 /33.0	32.0
34.0				4.40			4.90	4.20	34.0
36.0				4.10			4.75 /34.4	4.00	36.0
38.0								3.80	38.0
40.0								3.65 /38.9	40.0

Unit: ton

Tower Length (m)	29.5				Tower Length (m)
Jib length (m)	25				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	Offset angle (deg) / Radius (m)
10.0	15.00 /10.1				10.0
12.0	15.00				12.0
14.0	15.00				14.0
16.0	13.70				16.0
18.0	11.90	11.70 /18.7			18.0
20.0	10.40	11.00			20.0
22.0	9.30	9.90			22.0
24.0	8.40	8.90			24.0
26.0	7.60	8.05	6.30 /27.3		26.0
28.0	6.25 /27.5	7.30	6.20		28.0
30.0		6.70	5.80		30.0
32.0		6.15	5.35		32.0
34.0		6.05 /32.4	4.95	3.85 /35.1	34.0
36.0			4.60	3.80	36.0
38.0			4.30 /37.3	3.60	38.0
40.0				3.40	40.0
42.0				3.20 /41.8	42.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

32.5 m Tower

Unit: ton

Tower Length (m)	32.5								Tower Length (m)
Jib length (m)	19				22				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
8.0	15.00 /8.5								8.0
9.0	15.00				15.00 /9.3				9.0
10.0	15.00				15.00				10.0
12.0	15.00				15.00				12.0
14.0	15.00				15.00				14.0
16.0	13.90	13.45 /16.7			13.80				16.0
18.0	12.00	12.50			12.00	12.40			18.0
20.0	10.50	11.00			10.50	10.90			20.0
22.0	8.55 /21.8	9.80			9.30	9.70			22.0
24.0		8.80	6.95 /24.9		8.10	8.70			24.0
26.0		8.00	6.70		7.65 /24.7	7.90	6.25 /26.6		26.0
28.0		7.55 /27.1	6.20			7.20	6.00		28.0
30.0			5.70			6.50	5.60		30.0
32.0			5.20	4.30 /32.3			5.20		32.0
34.0			5.05 /32.5	4.00			4.80	3.75 /34.5	34.0
36.0				3.70			4.50 /35.4	3.60	36.0
38.0				3.45 /37.5				3.40	38.0
40.0								3.20	40.0
42.0								3.15 /40.4	42.0

Unit: ton

Tower Length (m)	32.5								Tower Length (m)
Jib length (m)	25				28				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
10.0	15.00 /10.1				15.00 /10.9				10.0
12.0	15.00				15.00				12.0
14.0	15.00				15.00				14.0
16.0	13.80				13.70				16.0
18.0	11.90	11.20 /19.2			11.80				18.0
20.0	10.50	10.80			10.40	10.10 /20.5			20.0
22.0	9.30	9.70			9.20	9.50			22.0
24.0	8.40	8.75			8.30	8.65			24.0
26.0	7.60	7.90			7.50	7.80			26.0
28.0	6.20 /27.6	7.20	5.80 /28.3		6.90	7.10			28.0
30.0		6.55	5.50		6.10	6.50	5.30		30.0
32.0		6.05	5.10		5.60 /30.5	5.95	5.00		32.0
34.0		5.80 /32.9	4.70			5.50	4.60		34.0
36.0			4.40	3.40 /36.6		5.15 /35.8	4.30		36.0
38.0			4.05	3.30			4.00	3.10 /38.7	38.0
40.0			4.00 /38.3	3.10			3.70	3.00	40.0
42.0				2.90			3.50 /41.2	2.80	42.0
44.0				2.75 /43.3				2.60	44.0
46.0								2.40	46.0
48.0								2.35 /46.2	48.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

■ 35.5 m Tower

Unit: ton

Tower Length (m)	35.5								Tower Length (m)
Jib length (m)	19				22				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
8.0	15.00 /8.5								8.0
9.0	15.00				15.00 /9.3				9.0
10.0	15.00				15.00				10.0
12.0	15.00				15.00				12.0
14.0	15.00				15.00				14.0
16.0	14.00	13.00 /17.2			13.90				16.0
18.0	12.10	12.40			12.10	11.55 /18.5			18.0
20.0	10.60	10.90			10.60	10.80			20.0
22.0	8.65 /21.8	9.80			9.50	9.75			22.0
24.0		8.80	6.50 /25.9		8.40	8.75			24.0
26.0		8.00	6.50		7.05 /24.7	7.90	5.85 /27.6		26.0
28.0		7.35 /27.6	6.10			7.20	5.80		28.0
30.0			5.60			6.60	5.50		30.0
32.0			5.10	3.80 /33.8		6.40 /30.5	5.00		32.0
34.0			4.70 /33.5	3.80			4.70		34.0
36.0				3.60			4.35	3.40	36.0
38.0				3.40			4.30 /36.4	3.20	38.0
40.0				3.30 /39.0				3.00	40.0
42.0								2.80 /41.9	42.0

Unit: ton

Tower Length (m)	35.5								Tower Length (m)
Jib length (m)	25				28				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
10.0	15.00 /10.1				15.00 /10.9				10.0
12.0	15.00				15.00				12.0
14.0	15.00				15.00				14.0
16.0	13.90				13.80				16.0
18.0	12.00	10.80 /19.8			11.90				18.0
20.0	10.60	10.70			10.50	9.80 /21.0			20.0
22.0	9.40	9.60			9.40	9.40			22.0
24.0	8.50	8.60			8.40	8.50			24.0
26.0	7.70	7.75			7.60	7.70			26.0
28.0	6.25 /27.6	7.05	5.40 /29.3		7.00	7.00			28.0
30.0		6.45	5.30		6.15	6.40	4.75 /31.1		30.0
32.0		5.95	4.95		5.65 /30.5	5.85	4.70		32.0
34.0		5.60 /33.4	4.55			5.40	4.45		34.0
36.0			4.20			5.00	4.10		36.0
38.0			3.90	3.05 /38.1		4.95 /36.3	3.80		38.0
40.0			3.75 /39.3	2.90			3.55	2.65 /40.2	40.0
42.0				2.70			3.30	2.50	42.0
44.0				2.50			3.25 /42.2	2.30	44.0
46.0				2.40 /44.8				2.10	46.0
48.0								1.90 /47.7	48.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

35.5 m Tower

Unit: ton

Tower Length (m)	35.5				Tower Length (m)
Jib length (m)	31				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	Offset angle (deg) / Radius (m)
10.0	13.50 /11.7				10.0
12.0	13.50				12.0
14.0	13.50				14.0
16.0	13.50				16.0
18.0	11.90				18.0
20.0	10.40				20.0
22.0	9.30	9.15 /22.3			22.0
24.0	8.40	8.40			24.0
26.0	7.60	7.55			26.0
28.0	6.90	6.85			28.0
30.0	6.40	6.30			30.0
32.0	5.90	5.75	4.40 /32.8		32.0
34.0	4.80 /33.4	5.30	4.30		34.0
36.0		4.90	4.00		36.0
38.0		4.55	3.70		38.0
40.0		4.40 /39.2	3.45		40.0
42.0			3.20	2.25 /42.3	42.0
44.0			3.00	2.10	44.0
46.0			2.85 /45.1	2.00	46.0
48.0				1.90	48.0
50.0				1.80	50.0
52.0				1.75 /50.6	52.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

■ 38.5 m Tower

Unit: ton

Tower Length (m)	38.5								Tower Length (m)
Jib length (m)	19				22				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
8.0	15.00 /8.6								8.0
9.0	15.00				15.00 /9.4				9.0
10.0	15.00				15.00				10.0
12.0	15.00				15.00				12.0
14.0	15.00				15.00				14.0
16.0	14.00	12.40 /17.7			14.00				16.0
18.0	12.10	12.20			12.10	11.15 /19.0			18.0
20.0	10.70	10.70			10.60	10.60			20.0
22.0	8.85 /21.8	9.50			9.50	9.50			22.0
24.0		8.60			8.40	8.60			24.0
26.0		7.80	5.75 /26.9		7.15 /24.7	7.75			26.0
28.0		7.00	5.60			7.05	5.10 /28.6		28.0
30.0		6.95 /28.1	5.30			6.45	5.00		30.0
32.0			4.90			6.20 /31.0	4.80		32.0
34.0			4.50	3.15 /35.3			4.40		34.0
36.0			4.40 /34.5	3.10			4.10	2.75 /37.5	36.0
38.0				2.90			3.85 /37.4	2.70	38.0
40.0				2.70				2.50	40.0
42.0				2.65 /40.5				2.30	42.0
44.0								2.15 /43.4	44.0

Unit: ton

Tower Length (m)	38.5								Tower Length (m)
Jib length (m)	25				28				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
10.0	15.00 /10.2				15.00 /11.0				10.0
12.0	15.00				15.00				12.0
14.0	15.00				15.00				14.0
16.0	13.90				13.80				16.0
18.0	12.00				12.00				18.0
20.0	10.60	10.30 /20.3			10.50	9.40 /21.5			20.0
22.0	9.40	9.40			9.40	9.20			22.0
24.0	8.50	8.45			8.40	8.35			24.0
26.0	7.70	7.60			7.60	7.55			26.0
28.0	6.35 /27.6	6.95			7.00	6.85			28.0
30.0		6.35	4.90 /30.4		6.25	6.25			30.0
32.0		5.80	4.60		5.75 /30.5	5.75	4.45 /32.1		32.0
34.0		5.40 /33.9	4.30			5.30	4.20		34.0
36.0			4.00			4.90	3.90		36.0
38.0			3.70	2.40 /39.6		4.75 /36.8	3.60		38.0
40.0			3.40	2.40			3.35	2.00 /41.7	40.0
42.0			3.35 /40.3	2.20			3.10	2.00	42.0
44.0				2.00			3.00 /43.2	1.70	44.0
46.0				1.80				1.40	46.0
48.0				1.75 /46.3					48.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

38.5 m Tower

Unit: ton

Tower Length (m)	38.5						Tower Length (m)
Jib length (m)	31			34			Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	90	80	70	Offset angle (deg) / Radius (m)
10.0	13.50 /11.8						10.0
12.0	13.50			11.50 /12.6			12.0
14.0	13.50			11.50			14.0
16.0	13.50			11.50			16.0
18.0	11.90			11.50			18.0
20.0	10.50			10.40			20.0
22.0	9.30	8.60 /22.8		9.30			22.0
24.0	8.40	8.20		8.30	8.05 /24.1		24.0
26.0	7.60	7.40		7.50	7.30		26.0
28.0	6.90	6.75		6.90	6.60		28.0
30.0	6.40	6.15		6.30	6.00		30.0
32.0	5.90	5.65	4.10 /33.8	5.80	5.50		32.0
34.0	4.85 /33.4	5.20	4.10	5.40	5.05	3.70 /35.5	34.0
36.0		4.80	3.80	4.50	4.65	3.65	36.0
38.0		4.45	3.50	4.25 /36.3	4.35	3.35	38.0
40.0		4.20 /39.7	3.25		4.05	3.10	40.0
42.0			3.00		3.75	2.85	42.0
44.0			2.80		3.70 /42.6	2.65	44.0
46.0			2.60			2.45	46.0
48.0			2.60 /46.1			2.30	48.0
50.0						2.25 /49.0	50.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

■ 41.5 m Tower

Unit: ton

Tower Length (m)	41.5								Tower Length (m)
Jib length (m)	19				22				Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	60	Offset angle (deg) / Radius (m)
8.0	15.00 /8.6								8.0
9.0	15.00				15.00 /9.4				9.0
10.0	15.00				15.00				10.0
12.0	15.00				15.00				12.0
14.0	15.00				15.00				14.0
16.0	14.00				14.00				16.0
18.0	12.10	11.65 /18.3			12.10	10.65 /19.5			18.0
20.0	10.70	10.50			10.60	10.40			20.0
22.0	9.05 /21.8	9.30			9.50	9.30			22.0
24.0		8.40			8.40	8.40			24.0
26.0		7.60	5.40 /27.9		7.25 /24.7	7.60			26.0
28.0		6.80	5.40			6.95	4.95 /29.7		28.0
30.0		6.50 /28.7	5.00			6.35	4.90		30.0
32.0			4.60			5.90 /31.6	4.50		32.0
34.0			4.30				4.20		34.0
36.0			4.05 /35.6	2.95 /36.8			3.90		36.0
38.0				2.80			3.60	2.50 /39.0	38.0
40.0				2.60			3.50 /38.5	2.40	40.0
42.0				2.40				2.20	42.0
44.0								2.00	44.0
46.0								1.90 /44.9	46.0

Unit: ton

Tower Length (m)	41.5									Tower Length (m)
Jib length (m)	25			28			31			Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	90	80	70	90	80	70	Offset angle (deg) / Radius (m)
10.0	15.00 /10.2			15.00 /11.0			13.50 /11.8			10.0
12.0	15.00			15.00			13.50			12.0
14.0	15.00			15.00			13.50			14.0
16.0	13.90			13.80			13.50			16.0
18.0	12.00			12.00			11.90			18.0
20.0	10.60	9.55 /20.8		10.50			10.50			20.0
22.0	9.40	9.10		9.40	8.95 /22.1		9.30	8.20 /23.3		22.0
24.0	8.50	8.30		8.40	8.20		8.40	8.00		24.0
26.0	7.70	7.50		7.60	7.40		7.60	7.25		26.0
28.0	6.45 /27.6	6.80		7.00	6.70		6.90	6.60		28.0
30.0		6.20	4.45 /31.4	6.30	6.10		6.40	6.00		30.0
32.0		5.70	4.40	5.85 /30.5	5.60	4.10 /33.1	5.90	5.50		32.0
34.0		5.25	4.10		5.20	4.00	4.90 /33.4	5.10	3.75 /34.8	34.0
36.0		5.15 /34.5	3.80		4.80	3.70		4.70	3.60	36.0
38.0			3.50		4.55 /37.4	3.40		4.35	3.30	38.0
40.0			3.25			3.15		4.05	3.05	40.0
42.0			3.10 /41.4			2.95		4.00 /40.3	2.80	42.0
44.0						2.75			2.60	44.0
46.0						2.70 /44.3			2.45	46.0
48.0									2.35 /47.2	48.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

41.5 m Tower

Unit: ton

Tower Length (m)	41.5						Tower Length (m)
Jib length (m)	34			37			Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	90	80	70	Offset angle (deg) / Radius (m)
12.0	11.50 /12.6			9.50 /13.4			12.0
14.0	11.50			9.50			14.0
16.0	11.50			9.50			16.0
18.0	11.50			9.50			18.0
20.0	10.40			9.30			20.0
22.0	9.30			8.90			22.0
24.0	8.30	7.45 /24.6		8.40	7.05 /25.9		24.0
26.0	7.50	7.10		7.60	7.00		26.0
28.0	6.90	6.45		6.90	6.35		28.0
30.0	6.30	5.90		6.40	5.75		30.0
32.0	5.80	5.40		5.90	5.25		32.0
34.0	5.40	4.95		5.40	4.85		34.0
36.0	4.55	4.55	3.30 /36.6	5.10	4.45		36.0
38.0	4.30 /36.3	4.25	3.15	4.60	4.10	3.00 /38.3	38.0
40.0		3.95	2.90	3.70 /39.2	3.80	2.80	40.0
42.0		3.65	2.70		3.55	2.55	42.0
44.0		3.55 /43.1	2.50		3.30	2.35	44.0
46.0			2.30		3.10	2.20	46.0
48.0			2.15			2.00	48.0
50.0			2.00			1.85	50.0
52.0			1.95 /50.1			1.70	52.0
54.0						1.65 /53.0	54.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

■ 44.5 m Tower

Unit: ton

Tower Length (m)	44.5							Tower Length (m)
Jib length (m)	19				22			Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	60	90	80	70	Offset angle (deg) / Radius (m)
8.0	15.00 /8.6							8.0
9.0	15.00				15.00 /9.4			9.0
10.0	15.00				15.00			10.0
12.0	15.00				15.00			12.0
14.0	15.00				15.00			14.0
16.0	14.00				14.00			16.0
18.0	12.10	10.90 /18.8			12.10			18.0
20.0	10.70	10.30			10.60	10.05 /20.1		20.0
22.0	8.85 /21.9	9.30			9.50	9.10		22.0
24.0		8.30			8.40	8.20		24.0
26.0		7.60			7.10 /24.8	7.50		26.0
28.0		6.90	4.85 /29.0			6.80		28.0
30.0		6.45 /29.2	4.70			6.20	4.35 /30.7	30.0
32.0			4.40			5.70	4.20	32.0
34.0			4.00			5.70 /32.1	3.90	34.0
36.0			3.60				3.60	36.0
38.0			3.45 /36.6	2.45 /38.3			3.40	38.0
40.0				2.30			3.25 /39.5	40.0
42.0				2.10				42.0
44.0				1.90 /43.5				44.0

Unit: ton

Tower Length (m)	44.5									Tower Length (m)
Jib length (m)	25			28			31			Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	90	80	70	90	80	70	Offset angle (deg) / Radius (m)
10.0	15.00 /10.2			15.00 /11.0			13.50 /11.8			10.0
12.0	15.00			15.00			13.50			12.0
14.0	15.00			15.00			13.50			14.0
16.0	13.90			13.70			12.85			16.0
18.0	12.10			12.00			11.90			18.0
20.0	10.60	9.15 /21.3		10.50			10.50			20.0
22.0	9.40	8.90		9.40	8.30 /22.6		9.30	7.80 /23.9		22.0
24.0	8.50	8.10		8.40	7.90		8.40	7.80		24.0
26.0	7.70	7.35		7.70	7.25		7.60	7.15		26.0
28.0	6.40 /27.7	6.65		7.00	6.55		6.90	6.45		28.0
30.0		6.10		6.30	6.00		6.40	5.90		30.0
32.0		5.60	4.00 /32.4	5.85 /30.6	5.50		5.90	5.40		32.0
34.0		5.15	3.80		5.05	3.65 /34.1	4.85 /33.5	4.95	3.30 /35.9	34.0
36.0		4.95 /35.0	3.60		4.70	3.40		4.60	3.30	36.0
38.0			3.30		4.35 /37.9	3.20		4.25	3.10	38.0
40.0			3.10			3.00		3.95	2.85	40.0
42.0			2.85			2.75		3.85 /40.8	2.60	42.0
44.0			2.80 /42.4			2.50			2.40	44.0
46.0						2.30 /45.3			2.30	46.0
48.0									2.10	48.0
50.0									2.10 /48.2	50.0

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2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
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4. Deduction from rated capacities must be made for weight of hook block, hook ball, sling, spreader bar or any suspended gear.
   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.

44.5 m Tower

Unit: ton

Tower Length (m)	44.5						Tower Length (m)
Jib length (m)	34			37			Jib length (m)
Offset angle (deg) / Radius (m)	90	80	70	90	80	70	Offset angle (deg) / Radius (m)
12.0	11.50 /12.6			9.50 /13.4			12.0
14.0	11.50			9.50			14.0
16.0	11.50			9.50			16.0
18.0	11.35			9.50			18.0
20.0	10.40			9.20			20.0
22.0	9.30			8.90			22.0
24.0	8.30	7.05 /25.1		8.40			24.0
26.0	7.50	6.90		7.60	6.75 /26.4		26.0
28.0	6.90	6.30		6.90	6.20		28.0
30.0	6.30	5.75		6.40	5.65		30.0
32.0	5.80	5.25		5.90	5.15		32.0
34.0	5.40	4.85		5.50	4.70		34.0
36.0	4.60	4.45	2.90 /37.6	5.10	4.35		36.0
38.0	4.30 /36.4	4.10	2.90	4.65	4.00	2.55 /39.3	38.0
40.0		3.80	2.70	3.70 /39.3	3.70	2.50	40.0
42.0		3.55	2.50		3.45	2.30	42.0
44.0		3.35 /43.7	2.30		3.20	2.15	44.0
46.0			2.15		3.00	2.00	46.0
48.0			1.95		2.95 /46.6	1.80	48.0
50.0			1.80			1.60	50.0
52.0			1.65 /51.1			1.40	52.0

1. Capacities are the maximum allowable and based on machine standing level on firm supporting surface under ideal job conditions.
2. Capacities are in metric tones, and are not more than 78% of minimum tipping loads except the figures surrounded by bold lines which are based on other factor of machine structural strength limitation; the design codes/standards applied to the capacities are are from "Construction Codes for Mobile Crane" and "Ordinance on Safety of Crane and Similar Equipment" issued by Ministry of Health, Labor and Welfare, Japan.
3. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stop of loads, supporting surface conditions and operating speed. Operator must reduce load ratings to take such conditions into account.
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   35t Hook (1sheave) ---0.9t
   12t Hook ---0.51t
5. 37.5ton counterweight and 12.0ton lowerweight are required for all capacities on this chart.