TRUCK CRANE

TG-800R

TG

JAPANESE SPECIFICATIONS

CARRIER MODEL	OUTLINE	SPEC. NO.
MITSUBISHI P-K602 (improvement)	Luffing Jib	TG-800R-1-20101

Control No. JA-01

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TG-800R

CRANE SPECIFICATIONS

CRANE CAPACITY

10.6m Boom	80,000kg	at 3.5m	(16 part-line)
16.0m Boom	45,000kg	at 5.5m	(9 part-line)
21.3m Boom	40,000kg	at 5.5m	(8 part-line)
26.6m Boom	30,000kg	at 5.5m	(6 part-line)
31.9m Boom	25,000kg	at 6.0m	(5 part-line)
35.5m Boom	22,000kg	at 6.5m	(4 part-line)
39.0m Boom	19,000kg	at 7.0m	(4 part-line)
9.0m Jib	5,500kg	at 70°	(1 part-line)
14.0m Jib	3,500kg	at 73°	(1 part-line)
19.0m Jib	2,500kg	at 78°	(1 part-line)
16.0m Luffing jib	12,100kg	× 14.0m(3 part-line, Boom length: 26.6m)	
22.0m Luffing jib	9,900kg	× 14.0m(2 part-line, Boom length: 21.3m)	
28.0m Luffing jib	8,500kg	× 14.0m(2 part-line, Boom length: 16.0m)	
34.0m Luffing jib	5,500kg	× 18.0m(1 part-line, Boom length: 16.0m)	
Single top	5,500kg		

MAX. LIFTING HEIGHT

Boom	39.2m
Jib	57.7m
Luffing jib	73.0m

MAX. WORKING RADIUS

Boom	34.0m
Jib	43.0m
Luffing jib	50.0m

BOOM LENGTH
10.6m – 39.0m

BOOM EXTENSION
28.4m

BOOM EXTENSION SPEED
28.4m / 115s

JIB LENGTH
9.0m – 19.0m

LUFFING JIB LENGTH
16.0m, 22.0m, 28.0m, 34.0m

MAIN WINCH SINGLE LINE SPEED

High range:	100m/min	(4th layer)
Low range:	50m/min	(4th layer)

MAIN WINCH HOOK SPEED

High range:	6.2m/min	(16 part-line)
Low range:	3.1m/min	(16 part-line)

AUXILIARY WINCH SINGLE LINE SPEED

High range:	110m/min	(2nd layer)
Low range:	55m/min	(2nd layer)

AUXILIARY WINCH HOOK SPEED

High range:	110m/min	(1 part-line)
Low range:	55m/min	(1 part-line)

BOOM ELEVATION ANGLE
-1° – 82°

BOOM ELEVATION SPEED
-1° – 82° / 66s

SWING ANGLE
360° continue

SWING SPEED
1.8 rpm

WIRE ROPE
Main Winch
- 20mm × 240m (Diameter×Length)
- 7×7+6×WS (31) Class C ordinary · Z twist
- Spin-resistant wire rope
- Breaking strength 33.3t

Auxiliary Winch
- 20mm × 175m (Diameter×Length)
- 7×7+6×WS(31) Class C ordinary · Z twist
- Spin-resistant wire rope
- Breaking strength 29.3t

HOOK

80 t hook	(16 part-line)
45 t hook	(9 part-line)
15 t hook	(3 part-line)
5.5 t hook	(1 part-line)

BOOM
5-section hydraulically telescoping boom of box construction.
(stages 2–4: synchronized; stage 5: sequenced)

BOOM EXTENSION
4 double-acting hydraulic cylinder

JIB
3-staged swingaround boon extensions.
Hydraulically synchronized telescoping type (stage 2, 3)
Hydraulic non-stage offset (5°-45°) type

LUFFING JIB
Down-swinging type
Non-stage offset (10°- 60°) type

SINGLE TOP
Single sheave. Mounted to main boom head for single line work.

HOIST
Main Winch
- Driven by hydraulic motor and via planetary gear reducer
- With free-fall device
- Automatic brake
- (With foot brake for free-fall operation)

Auxiliary Winch
- Driven by hydraulic motor and via bevel gear speed reducer
- Automatic brake

BOOM ELEVATION
2 double-acting hydraulic cylinders

SWING
Hydraulic motor driven planetary gear reducer
Swing bearing
Manual switch type brake
Swing free/lock changeover type

OUTRIGGERS
Fully hydraulic H-type
Slides and jacks each provided with independent operation device.

Full extended width	7.3m
Middle extended width	5.0m

FRONT JACK
Hydraulic operated type

MAX. OUTRIGGER LOAD
88t (over front), 57t (over rear)

ENGINE FOR CRANE

Model	MITSUBISHI 6D16T
Type	4-cycle, 6 in-line cylinder, direct-injection, water-cooled diesel engine.
Piston Displacement	7,545cc
Max. Output	180PS at 2,000rpm
Max. Torque	70.0kg·m at 1,400rpm

HYDRAULIC PUMPS
2 high pressure variable piston pumps and 1 high pressure gear pump
1 high pressure gear pump

HYDRAULIC OIL TANK CAPACITY
985 liters

SAFETY DEVICES
Automatic moment limiter (AML)
- With working range limiting function

Working area control device
Over-winding cutout
Level gauge
Hook safety latch
Cable follower
Winch drum lock
Winch drum rotation indicator
Hydraulic safety valve
Telescopic counterbalance valve
Elevation counterbalance valve
Jack pilot check valve
Front jack over load alarm

EQUIPMENTS
Crane cab heater
Oil cooler
Boom angle indicator
Boom dismount device
Radio
Fan

OPTIONAL EQUIPMENT
Crane cab cooler

CARRIER SPECIFICATIONS

MANUFACTURER
MITSUBISHI MOTOR CORPORATION

CARRIER MODEL
P-K602 (improvement)

ENGINE
Model 8DC9
Type 4-cycle V8-cylinder, direct-injection, water-cooled diesel engine
Piston displacement 16,031cc
Max. output 320PS at 2,200rpm
Max. torque 110kg·m at 1,400rpm

CLUTCH
Dry single-plate type

TRANSMISSION
10-forward and 2-reverse speeds
Constant-mesh gear (1st speed, 2nd speed, reverse)
Synchronized-mesh gear (for 3rd – 10th speeds)

REDUCER
Spiral bevel gear type
With planetary gear type hub reduction

FRONT AXLE
Reverse-elliot type steering knuckles

REAR AXLE
Full-floating type; cast-steel housing

SUSPENSION
Front Tapered leaf spring
With torsion bar stabilizer
Rear Equalizer beam and torque rod type
With semi-elliptical leaf spring

STEERING
Recirculating ball screw type
With linkage type hydraulic power booster

BRAKE SYSTEM
Service Brake
Foot operated full air brake on all wheels, dual air line system, internal expanding leading and trailing shoe type.
Parking Brake
Mechanically operated, internal expanding duo-servo shoe type acting on drum at transmission case rear.
Auxiliary Brake
Exhaust brake
Spring brake, acting on 4 rear wheels

ELECTRIC SYSTEM
24 V DC. 2 batteries of 12V (112Ah)

FUEL TANK CAPACITY
300 liters

CAB
Two-man type

TIRES
Front 14.00-24-24PR
Rear 12.00-20-18PR

STANDARD EQUIPMENTS
Car heater
Car radio
Car cooler

GENERAL DATA

DIMENSIONS (CARRIER ONLY)
Overall length 10,800mm
Overall width 3,000mm
Overall height 2,700mm
Wheel base 1,550mm+2,750mm+1,350mm=5,650mm
Tread Front 2,500mm
Rear 2,275mm

WEIGHTS (CARRIER ONLY)
Gross vehicle weight
Total 27,000kg
Front 12,145kg
Rear 14,855kg

PERFORMANCE (CARRIER ONLY)
Max. traveling speed 70km/h
Gradeability (tan θ) 0.52
Min. turning radius 9.6m

TOTAL RATED LOADS

Extra weight specifications
[BOOM]

Unit : ton

Outriggers fully extended + Front jack (Over rear · Over sides)							
A / B (m)	10.6m	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
3.0	80.0	45.0	40.0				
3.5	80.0	45.0	40.0				
4.0	70.0	45.0	40.0	30.0			
4.5	62.0	45.0	40.0	30.0			
5.0	56.0	45.0	40.0	30.0	25.0		
5.5	50.0	45.0	40.0	30.0	25.0		
6.0	45.0	42.0	38.0	28.5	25.0	22.0	
6.5	41.0	39.4	36.2	27.0	24.0	22.0	
7.0	38.0	37.0	34.5	25.7	23.0	21.0	19.0
7.5	34.0	34.6	33.0	24.4	22.0	20.0	18.4
8.0	30.5	31.0	31.5	23.0	20.7	19.0	17.2
9.0		26.4	26.7	20.8	18.5	17.3	16.0
10.0		21.7	22.0	19.0	16.6	15.8	14.8
11.0		18.2	18.4	17.2	15.0	14.3	13.6
12.0		15.4	15.5	15.7	13.8	13.0	12.5
14.0		11.5	11.6	11.7	11.3	10.9	10.7
16.0			8.9	9.0	9.0	9.3	9.1
18.0			6.9	7.0	7.0	7.6	7.9
20.0				5.4	5.4	6.0	6.4
22.0				4.1	4.1	4.7	5.2
24.0				3.0	3.0	3.6	4.1
26.0					2.1	2.7	3.2
28.0					1.4	2.0	2.5
30.0						1.4	2.0
32.0						0.8	1.5
34.0							1.0

A = Boom length B = Working radius

Extra weight specifications
[BOOM]

Unit : ton

Outriggers fully extended + Front jack (Over front)							
A / B (m)	10.6m	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
3.0	64.0	45.0	40.0				
3.5	60.0	45.0	40.0				
4.0	53.0	45.0	40.0	30.0			
4.5	46.5	45.0	40.0	30.0			
5.0	40.0	40.0	38.0	30.0	25.0		
5.5	34.0	34.0	34.0	30.0	25.0		
6.0	30.0	30.0	30.0	28.5	25.0	22.0	
6.5	26.0	27.0	27.5	27.0	24.0	22.0	
7.0	22.5	23.5	24.0	24.0	23.0	21.0	19.0
7.5	20.0	21.0	21.3	21.5	22.0	20.0	18.4
8.0	18.0	19.0	19.2	19.5	19.6	19.0	17.2
9.0		15.9	16.0	16.1	16.2	16.6	16.0
10.0		13.0	13.1	13.2	13.3	13.9	13.5
11.0		10.7	10.8	10.9	11.0	11.6	11.8
12.0		9.1	9.2	9.3	9.4	9.9	10.3
14.0		6.6	6.7	6.8	6.9	7.4	7.8
16.0			5.0	5.1	5.2	5.6	6.0
18.0			3.5	3.6	3.6	4.2	4.5
20.0				2.4	2.4	3.0	3.4
22.0				1.4	1.4	2.0	2.4
24.0						1.2	1.6

A = Boom length B = Working radius

Extra weight specifications
[BOOM]

Unit : ton

Outriggers middle extended + Front jack (360°)							
A / B (m)	10.6m	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
3.0	64.0	45.0	40.0				
3.5	60.0	45.0	40.0				
4.0	53.0	45.0	40.0	30.0			
4.5	46.5	45.0	40.0	30.0			
5.0	40.0	40.0	38.0	30.0	25.0		
5.5	34.0	34.0	34.0	30.0	25.0		
6.0	30.0	30.0	30.0	28.5	25.0	22.0	
6.5	26.0	27.0	27.5	27.0	24.0	22.0	
7.0	22.5	23.5	24.0	24.0	23.0	21.0	19.0
7.5	20.0	21.0	21.3	21.5	22.0	20.0	18.4
8.0	18.0	19.0	19.2	19.5	19.6	19.0	17.2
9.0		15.7	15.9	16.0	16.1	16.6	16.0
10.0		12.8	13.0	13.1	13.1	13.8	13.5
11.0		10.5	10.7	10.8	10.9	11.5	11.9
12.0		8.8	9.0	9.1	9.1	9.7	10.1
14.0		6.2	6.3	6.4	6.5	7.0	7.4
16.0			4.4	4.5	4.5	5.1	5.6
18.0			2.9	2.9	3.0	3.6	4.1
20.0				1.7	1.8	2.4	2.9
22.0				0.8	0.8	1.4	1.9
24.0							1.1

A = Boom length B = Working radius

Extra weight specifications

[JIB]

Unit : ton

Outriggers fully extended + Front jack (Over rear · Over sides)									
C	9.0m			14.0m			19.0m		
E \ D	5°	25°	45°	5°	25°	45°	5°	25°	45°
82°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
80°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
78°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
75°	5.5	4.0	2.95	3.5	2.25	1.5	2.25	1.05	0.7
73°	5.5	3.85	2.9	3.5	2.15	1.5	2.08	1.0	0.68
70°	5.5	3.6	2.8	3.3	2.0	1.5	1.85	0.95	0.67
68°	4.95	3.45	2.75	3.1	1.9	1.47	1.72	0.91	0.66
65°	4.3	3.3	2.65	2.9	1.8	1.42	1.55	0.87	0.65
63°	3.9	3.15	2.6	2.75	1.75	1.4	1.43	0.84	0.64
60°	3.5	3.0	2.55	2.55	1.7	1.35	1.3	0.8	0.63
58°	3.0	2.7	2.5	2.4	1.65	1.34	1.24	0.77	0.62
55°	2.3	2.1	2.0	1.9	1.6	1.32	1.15	0.74	0.62
53°	1.85	1.7	1.6	1.5	1.3	1.1	1.1	0.72	0.62
50°	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.62
48°	1.0	0.9	0.8	0.75	0.65	0.55	0.55	0.45	0.4
45°	0.6	0.5	0.45	0.4					

[JIB]

Unit : ton

Outriggers middle extended + Front jack (360°)									
C	9.0m			14.0m			19.0m		
E \ D	5°	25°	45°	5°	25°	45°	5°	25°	45°
82°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
80°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
78°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
75°	5.5	4.0	2.95	3.5	2.25	1.5	2.25	1.05	0.7
73°	5.5	3.85	2.9	3.5	2.15	1.5	2.08	1.0	0.68
70°	4.85	3.6	2.8	3.3	2.0	1.5	1.85	0.95	0.67
68°	3.75	3.35	2.75	3.1	1.9	1.47	1.72	0.91	0.66
65°	2.45	2.2	2.0	2.1	1.7	1.42	1.55	0.87	0.65
63°	1.75	1.6	1.45	1.45	1.2	1.0			

C = Jib length D = Jib offset E = Boom angle

Standard weight specifications
[BOOM]

Unit : ton

Outriggers fully extended + Front jack (Over rear · Over sides)							
A / B (m)	10.6m	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
3.0	80.0	45.0	40.0				
3.5	77.0	45.0	40.0				
4.0	66.0	45.0	40.0	30.0			
4.5	58.0	45.0	40.0	30.0			
5.0	52.0	45.0	40.0	30.0	25.0		
5.5	47.0	45.0	40.0	30.0	25.0		
6.0	42.0	42.0	38.0	28.5	25.0	22.0	
6.5	38.0	38.0	36.2	27.0	24.0	22.0	
7.0	35.0	35.0	34.5	25.7	23.0	21.0	19.0
7.5	31.0	32.4	32.5	24.4	22.0	20.0	18.4
8.0	27.6	28.4	28.6	23.0	20.7	19.0	17.2
9.0		22.5	22.8	20.8	18.5	17.3	16.0
10.0		18.4	18.6	18.8	16.6	15.8	14.8
11.0		15.3	15.6	15.7	15.0	14.3	13.6
12.0		12.9	13.1	13.2	13.3	13.0	12.5
14.0		9.4	9.6	9.7	9.7	10.3	10.7
16.0			7.2	7.3	7.3	7.9	8.3
18.0			5.3	5.4	5.4	6.0	6.4
20.0				3.8	3.9	4.5	5.0
22.0				2.6	2.6	3.3	3.8
24.0				1.7	1.7	2.3	2.8
26.0					0.9	1.5	2.0
28.0						0.9	1.3
30.0							0.8

A = Boom length B = Working radius

Standard weight specifications
[BOOM]

Unit : ton

Outriggers fully extended + Front jack (Over front)							
A / B (m)	10.6m	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
3.0	64.0	45.0	40.0				
3.5	57.0	45.0	40.0				
4.0	50.0	45.0	40.0	30.0			
4.5	43.0	42.0	40.0	30.0			
5.0	35.0	35.0	35.0	30.0	25.0		
5.5	30.0	30.0	30.0	30.0	25.0		
6.0	26.0	26.5	26.5	27.0	25.0	22.0	
6.5	22.5	23.0	23.5	24.0	24.0	22.0	
7.0	19.5	20.0	20.5	20.5	21.0	21.0	19.0
7.5	17.5	18.0	18.2	18.3	18.5	19.0	18.4
8.0	15.5	15.9	16.1	16.2	16.3	16.9	17.2
9.0		13.0	13.1	13.2	13.4	13.9	14.3
10.0		10.5	10.6	10.7	10.9	11.4	11.9
11.0		8.7	8.8	8.9	9.0	9.5	10.0
12.0		7.1	7.2	7.3	7.5	8.1	8.6
14.0		5.0	5.1	5.2	5.3	5.8	6.3
16.0			3.4	3.5	3.6	4.1	4.6
18.0			2.1	2.2	2.2	2.8	3.3
20.0				1.1	1.1	1.7	2.2
22.0							1.3

A = Boom length B = Working radius

Standard weight specifications
[BOOM]

Unit : ton

Outriggers middle extended + Front jack (360°)							
A / B (m)	10.6m	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
3.0	64.0	45.0	40.0				
3.5	57.0	45.0	40.0				
4.0	50.0	45.0	40.0	30.0			
4.5	43.0	42.0	40.0	30.0			
5.0	35.0	35.0	35.0	30.0	25.0		
5.5	30.0	30.0	30.0	30.0	25.0		
6.0	26.0	26.5	26.5	27.0	25.0	22.0	
6.5	22.5	23.0	23.5	24.0	24.0	22.0	
7.0	19.5	20.0	20.5	20.5	21.0	21.0	19.0
7.5	17.5	18.0	18.2	18.3	18.5	19.0	18.4
8.0	15.3	15.9	16.1	16.2	16.3	16.9	17.2
9.0		12.6	12.8	13.0	13.0	13.7	14.2
10.0		10.1	10.3	10.4	10.5	11.1	11.6
11.0		8.2	8.4	8.5	8.6	9.2	9.6
12.0		6.7	6.9	7.0	7.0	7.6	8.0
14.0		4.3	4.5	4.6	4.7	5.3	5.7
16.0			2.8	2.8	2.9	3.6	4.0
18.0			1.5	1.5	1.6	2.2	2.7
20.0						1.2	1.6

A = Boom length B = Working radius

Standard weight specifications

[JIB]

Unit : ton

Outriggers fully extended + Front jack (Over rear · Over sides)									
C	9.0m			14.0m			19.0m		
E \ D	5°	25°	45°	5°	25°	45°	5°	25°	45°
82°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
80°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
78°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
75°	5.5	4.0	2.95	3.5	2.25	1.5	2.25	1.05	0.7
73°	5.5	3.85	2.9	3.5	2.15	1.5	2.08	1.0	0.68
70°	5.5	3.6	2.8	3.3	2.0	1.5	1.85	0.95	0.67
68°	4.95	3.45	2.75	3.1	1.9	1.47	1.72	0.91	0.66
65°	4.3	3.3	2.65	2.9	1.8	1.42	1.55	0.87	0.65
63°	3.65	3.15	2.6	2.75	1.75	1.4	1.43	0.84	0.64
60°	2.6	2.35	2.15	2.1	1.7	1.35	1.3	0.8	0.63
58°	2.05	1.85	1.7	1.6	1.4	1.25	1.24	0.77	0.62
55°	1.35	1.2	1.1	1.0	0.85	0.75	0.8	0.65	0.56
53°	0.9	0.82	0.75	0.7					

[JIB]

Unit : ton

Outriggers middle extended + Front jack (360°)									
C	9.0m			14.0m			19.0m		
E \ D	5°	25°	45°	5°	25°	45°	5°	25°	45°
82°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
80°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
78°	5.5	4.2	3.0	3.5	2.4	1.5	2.5	1.1	0.7
75°	5.5	4.0	2.95	3.5	2.25	1.5	2.25	1.05	0.7
73°	5.2	3.85	2.9	3.5	2.15	1.5	2.08	1.0	0.68
70°	3.3	2.9	2.6	2.75	2.0	1.5	1.85	0.95	0.67
68°	2.3	2.1	1.85	1.9	1.6	1.3	1.72		

C = Jib length D = Jib offset E = Boom angle

NOTES:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (950kg for a 80 ton capacity hook, 450kg for a 45 ton capacity hook and 140kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection of the boom.
4. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.0t for the main winch and 5.5t for the auxiliary winch.

A	10.6m	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m	J
H	16	9	8	6	5	4	4	1

A = Boom length H = No. of part-line J = Jib / Single top

5. As a rule, free-fall operation of the main winch should be performed only when lowering the hook alone. If a hoisted load must be lowered by free-fall operation, the load should be kept below 1/5th of the total rated load (keep the load per line at 1.0t or less) and sudden braking operations must be avoided.
6. The total rated load for the single top is the same as that of the boom and must not exceed 5.5 tons. However, when hooks, slings, etc. are mounted on the boom, one should work with the to rated load obtained by subtracting the weights of the hooks, slings, etc. mounted on the boomtal from the total rated load of the boom.

Extra weight specifications
[16.0m LUFFING JIB]
(Over rear · Over sides)

Unit : ton

Outriggers fully extended + Front jack (Over rear · Over sides)																												
B	16.0 m BOOM					21.3 m BOOM					26.6 m BOOM					31.9 m BOOM					35.5 m BOOM					39.0 m BOOM				
	Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle				
(m)	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
12.0	–	–	11.7			–	–				–	–				–	–				–					–				
14.0	–	10.7	11.0			–	11.4	11.6			–	–	12.1			–	–				–	–				–	–			
16.0	10.0	10.1	10.4	9.2		–	10.8	11.1	9.7		–	11.4	11.6			–	–	9.5			–	–	8.0			–	–	6.5		
18.0	9.4	9.5	9.9	8.7	6.2	9.5	10.2	10.6	9.2	6.5	–	9.8	10.6	9.5		–	8.8	9.3	9.5		–	–	7.9	8.0		–	–	6.0		
20.0	8.2	8.7	9.2	8.2	6.0	7.7	8.3	8.9	8.7	6.3	7.4	8.0	8.6	9.1	6.5	–	7.7	8.1	9.0	6.7	–	6.3	6.8	7.6	7.2	–	5.2	5.6	6.4	
22.0	6.9	7.3	7.7	7.8	5.8	6.4	6.8	7.3	7.9	6.1	6.0	6.5	7.0	7.7	6.4	5.6	6.2	6.8	7.5	6.6	–	5.5	5.9	6.6	7.0	–	4.5	4.9	5.5	6.2
24.0	5.6	6.1	6.3	6.7		5.2	5.7	6.1	6.5	5.9	4.8	5.3	5.8	6.3	6.3	4.5	5.0	5.6	6.2	6.4	4.6	4.8	5.2	5.7	6.4	–	3.9	4.2	4.7	5.4
26.0	4.8	5.1	5.3	5.5		4.3	4.7	5.0	5.4	5.5	3.9	4.4	4.7	5.2	5.5	3.5	4.1	4.5	5.0	5.4	3.6	4.2	4.5	5.0	5.6	3.0	3.4	3.6	4.1	4.6
28.0	4.0	4.2	4.4			3.5	3.8	4.1	4.4		3.0	3.5	3.9	4.2	4.4	2.7	3.2	3.6	4.1	4.3	2.8	3.3	3.8	4.2	4.5	2.6	2.8	3.1	3.5	4.0
30.0	3.3	3.4				2.8	3.1	3.3	3.5		2.3	2.7	3.0	3.4		1.9	2.4	2.7	3.2	3.4	2.0	2.5	2.9	3.4	3.7	2.1	2.4	2.7	3.0	3.4
32.0						2.0	2.3	2.5			1.7	2.0	2.3	2.6		1.3	1.7	2.0	2.4		1.4	1.8	2.2	2.6	2.8	1.5	1.9	2.2	2.6	2.9
34.0						1.5	1.7	1.8			1.1	1.4	1.6	1.8			1.1	1.4	1.7			1.2	1.5	1.9			1.3	1.7	2.1	2.2
36.0						1.0							1.0						1.0				1.0	1.2				1.1	1.5	

B = Working radius

NOTES:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (255kg for a 15 ton capacity hook and 190kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection.
4. Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.5t.

A	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
H	3	3	3	2	2	2

A = Boom length H = No. of part-line

Extra weight specifications
[16.0m LUFFING JIB]
(Over front)

Unit : ton

Outriggers fully extended + Front jack (Over front)																													
B (m)	16.0 m BOOM Tilt angle					21.3 m BOOM Tilt angle					26.6 m BOOM Tilt angle					31.9 m BOOM Tilt angle					35.5 m BOOM Tilt angle					39.0 m BOOM Tilt angle				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
12.0	–	–	11.7			–	–				–	–				–	–				–					–				
14.0	–	10.7	11.0			–	10.9	11.6			–	–	11.6			–	–				–	–				–	–			
16.0	8.2	8.9	9.6	9.2		–	8.5	9.3	9.7		–	8.2	9.0			–	–	8.8			–	–	8.0			–	–	6.5		
18.0	6.5	7.1	7.7	8.4	6.2	6.1	6.7	7.3	8.2	6.5	–	6.4	7.1	8.0		–	6.1	6.9	7.8		–	–	7.0	7.9		–	–	6.0		
20.0	5.2	5.7	6.2	6.8	6.0	4.8	5.3	5.8	6.5	6.3	4.4	5.0	5.6	6.3	6.5	–	4.7	5.4	6.2	6.7	–	4.9	5.5	6.3	7.0	–	4.9	5.6	6.4	
22.0	4.2	4.6	5.0	5.4	5.7	3.7	4.2	4.7	5.2	5.6	3.2	3.9	4.4	5.0	5.5		3.6	4.2	4.9	5.4	–	3.8	4.3	5.0	5.5	–	3.8	4.4	5.1	5.6
24.0	3.4	3.7	4.0	4.3		2.8	3.3	3.7	4.1	4.4	2.3	2.9	3.4	4.0	4.3		2.5	3.1	3.8	4.2		2.7	3.3	4.0	4.4	–	2.8	3.4	4.0	4.5
26.0	2.6	2.9	3.1	3.4		2.0	2.4	2.8	3.2	3.4		2.0	2.5	3.0	3.3				2.8	3.2			2.4	3.0	3.4			2.5	3.1	3.5
28.0	1.9	2.1	2.3				1.7	2.0	2.3				1.7	2.1	2.4					2.3					2.5				2.3	2.6
30.0								1.3	1.5																					

B = Working radius

NOTES:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (255kg for a 15 ton capacity hook and 190kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection.
4. Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.5t.

A	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
H	3	3	3	2	2	2

A = Boom length H = No. of part-line

Extra weight specifications
[22.0m LUFFING JIB]
(Over rear · Over sides)

Unit : ton

Outriggers fully extended + Front jack (Over rear · Over sides)																													
B (m)	16.0 m BOOM					21.3 m BOOM					26.6 m BOOM					31.9 m BOOM					35.5 m BOOM					39.0 m BOOM				
	Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
12.0	–					–	–				–					–					–					–				
14.0	9.5	9.4				–	9.9				–					–					–					–				
16.0	8.8	8.7	9.0			9.5	9.3				9.0	9.6				–	7.0				–	5.2				–				
18.0	8.2	8.2	8.4			8.9	8.8	9.0			9.0	9.1	9.2			7.0	7.0	7.0			–	5.2				–	4.6			
20.0	7.7	7.7	8.0	6.5		8.4	8.3	8.5			8.1	8.7	8.8			6.6	6.8	7.0			5.0	5.2	5.8			4.0	4.4	4.6		
22.0	7.2	7.3	7.6	6.2		7.0	7.6	8.1	6.5		6.6	7.4	8.1	7.1		5.8	6.2	6.6	7.0		4.8	5.1	5.6			3.6	3.9	4.4		
24.0	6.3	6.8	7.2	5.8	4.2	5.8	6.4	7.0	6.2	4.4	5.5	6.2	6.8	6.8	4.8	5.1	5.5	5.9	6.7		4.2	4.5	4.9	5.8		3.1	3.4	3.8	4.6	
26.0	5.4	5.8	6.2	5.6	4.1	4.9	5.4	5.9	5.9	4.3	4.6	5.1	5.7	6.4	4.7	4.2	4.9	5.2	5.9	4.8	3.8	4.0	4.4	5.1	4.9	2.7	3.0	3.3	4.0	
28.0	4.6	5.0	5.3	5.3	4.0	4.1	4.6	5.0	5.5	4.2	3.8	4.3	4.8	5.4	4.6	3.4	4.0	4.5	5.2	4.7	3.3	3.6	3.9	4.6	4.8	2.4	2.6	2.9	3.5	4.1
30.0	3.9	4.2	4.5	4.9		3.4	3.8	4.2	4.7	4.1	3.0	3.5	4.0	4.5	4.5	2.6	3.2	3.7	4.4	4.6	2.6	3.3	3.5	4.1	4.7	2.0	2.3	2.6	3.1	3.8
32.0	3.3	3.6	3.8	4.1		2.8	3.2	3.5	3.9	4.1	2.4	2.9	3.3	3.8	4.0	2.0	2.5	3.0	3.6	3.9	2.0	2.6	3.1	3.7	4.2	1.8	1.9	2.2	2.7	3.4
34.0	2.8	3.0	3.2			2.2	2.6	2.9	3.2		1.8	2.3	2.6	3.1	3.3	1.4	1.9	2.4	2.9	3.2	1.4	1.9	2.4	3.0	3.3	1.5	1.7	1.9	2.4	2.9
36.0	2.3	2.4				1.7	2.0	2.3	2.5		1.3	1.7	2.1	2.3			1.4	1.8	2.2	2.5		1.4	1.8	2.3	2.6		1.4	1.7	2.0	2.6
38.0						1.3	1.5	1.7			0.9	1.2	1.5	1.8				1.2	1.6				1.3	1.7	1.9			1.4	1.7	2.2
40.0						0.9	1.0	1.1					1.0	1.2					1.1					1.2				1.4	1.5

B = Working radius

NOTES:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (255kg for a 15 ton capacity hook and 190kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection.
4. Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.5t.

A	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
H	2	2	2	2	1	1

A = Boom length H = No. of part-line

Extra weight specifications
[22.0m LUFFING JIB]
(Over front)

Unit : ton

Outriggers fully extended + Front jack (Over front)																													
B (m)	16.0 m BOOM					21.3 m BOOM					26.6 m BOOM					31.9 m BOOM					35.5 m BOOM					39.0 m BOOM				
	Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
12.0	–					–					–					–					–					–				
14.0	9.5	9.4				–	9.9				–					–					–					–				
16.0	8.8	8.7	9.0			8.4	9.3				8.1	9.2				–	7.0				–	5.2				–				
18.0	7.2	7.9	8.4			6.7	7.6	8.4			6.4	7.3	8.2			6.1	7.0	7.0			–	5.2				–	4.6			
20.0	5.9	6.5	7.1	6.5		5.4	6.1	6.8			5.1	5.9	6.7			4.7	5.6	6.5			4.8	5.2	5.8			4.0	4.4	4.6		
22.0	4.8	5.3	5.9	6.2		4.3	5.0	5.6	6.4		4.0	4.7	5.4	6.3		3.6	4.5	5.2	6.2		3.7	4.5	5.6			3.6	3.9	4.4		
24.0	4.0	4.4	4.9	5.5	4.2	3.5	4.0	4.6	5.3	4.4	3.1	3.8	4.4	5.2	4.8	2.7	3.5	4.2	5.1		2.7	3.5	4.2	5.1		2.9	3.4	3.8	4.6	
26.0	3.2	3.6	4.0	4.6	4.1	2.7	3.2	3.7	4.3	4.3	2.2	2.9	3.5	4.2	4.7		2.6	3.3	4.1	4.7		2.7	3.3	4.1	4.7		2.9	3.3	4.0	
28.0	2.6	3.0	3.3	3.8	4.0	2.0	2.5	3.0	3.5	3.9		2.2	2.8	3.4	3.9			2.5	3.3	3.8			2.5	3.3	3.8			2.7	3.5	4.0
30.0	2.0	2.4	2.7	3.0		1.4	1.9	2.3	2.8	3.1			2.0	2.7	3.1				2.5	3.0				2.6	3.0			2.8	3.2
32.0	1.5	1.8	2.1	2.4			1.3	1.7	2.1	2.4				2.0	2.3					2.2					2.3				2.5
34.0	1.0	1.2	1.5						1.5																				

B = Working radius

NOTES:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (255kg for a 15 ton capacity hook and 190kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection.
4. Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.5t.

A	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
H	2	2	2	2	1	1

A = Boom length H = No. of part-line

Extra weight specifications
[28.0m LUFFING JIB]
(Over rear · Over sides)

Unit : ton

Outriggers fully extended + Front jack (Over rear · Over sides)																													
B (m)	16.0 m BOOM					21.3 m BOOM					26.6 m BOOM					31.9 m BOOM					35.5 m BOOM					39.0 m BOOM				
	Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
12.0	8.5					7.7																								
14.0	8.5					7.7					6.2					4.6					3.8									
16.0	7.9	7.9				7.7	8.0				6.2					4.6					3.8					3.0				
18.0	7.4	7.3				7.7	7.6				6.2	6.5				4.6	4.8				3.8					3.0				
20.0	6.9	6.9	7.1			7.4	7.3	6.7			6.2	6.5				4.6	4.8				3.8	4.0				3.0	3.2			
22.0	6.4	6.5	6.7			7.0	6.9	6.3			6.2	6.5	6.0			4.6	4.8	5.0			3.5	4.0				3.0	3.2			
24.0	6.0	6.1	6.3			6.3	6.5	6.0			6.0	6.2	5.7			4.6	4.8	5.0			3.3	3.6	4.2			2.8	3.2	3.2		
26.0	5.7	5.8	6.0	4.9		5.4	6.0	5.7	5.1		5.0	5.7	5.5	4.6		3.8	4.2	4.6			2.9	3.2	3.6			2.5	2.8	3.2		
28.0	5.1	5.5	5.8	4.6	3.3	4.6	5.1	5.4	4.8		4.2	4.8	5.3	4.4		3.4	3.8	4.2	4.3		2.5	2.8	3.3	4.0		2.2	2.4	2.9	3.2	
30.0	4.4	4.8	5.2	4.4	3.1	3.0	4.4	4.9	4.6	3.3	3.5	4.1	4.6	4.3	3.5	3.1	3.3	3.7	4.3		2.2	2.5	2.9	3.6		1.9	2.1	2.5	3.2	
32.0	3.8	4.1	4.5	4.2	3.0	3.3	3.7	4.2	4.4	3.2	2.8	3.4	3.9	4.1	3.4	2.5	3.0	3.4	4.0	3.6	2.0	2.3	2.5	3.2	3.7	1.6	1.8	2.2	2.8	3.2
34.0	3.3	3.6	3.9	4.0	2.9	2.8	3.2	3.6	4.1	3.1	2.3	2.8	3.3	3.9	3.3	2.0	2.6	3.0	3.6	3.5	1.8	2.0	2.2	2.9	3.6	1.4	1.6	2.0	2.5	3.2
36.0	2.8	3.1	3.3	3.7		2.3	2.7	3.0	3.5	3.0	1.8	2.3	2.7	3.3	3.2	1.5	2.0	2.6	3.2	3.5	1.4	1.7	2.0	2.5	3.4	1.2	1.4	1.7	2.2	3.0
38.0	2.4	2.6	2.8	3.1		1.8	2.2	2.5	2.9	3.0	1.3	1.8	2.2	2.7	3.0		1.5	2.0	2.7	3.0		1.5	1.8	2.3	3.0		1.3	1.5	2.0	2.6
40.0	2.0	2.2	2.3			1.4	1.7	2.0	2.3		0.9	1.3	1.7	2.2	2.4			1.5	2.1	2.4			1.5	2.1	2.5			1.3	1.7	2.3
42.0	1.6	1.7				1.0	1.3	1.6	1.8			0.9	1.2	1.6					1.6	1.8				1.6	1.9				1.5	1.9
44.0							0.9	1.1						1.1					1.1						1.4					1.5

B = Working radius

NOTES:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (255kg for a 15 ton capacity hook and 190kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection.
4. Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.5t.

A	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
H	2	2	2	1	1	1

A = Boom length H = No. of part-line

Extra weight specifications
[28.0m LUFFING JIB]
(Over front)

Unit : ton

Outriggers fully extended + Front jack (Over front)																													
B (m)	16.0 m BOOM					21.3 m BOOM					26.6 m BOOM					31.9 m BOOM					35.5 m BOOM					39.0 m BOOM				
	Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
12.0	8.5					7.7																								
14.0	8.5					7.7					6.2					4.6					3.8									
16.0	7.9	7.9				7.7	8.0				6.2					4.6					3.8					3.0				
18.0	7.4	7.3				7.3	7.6				6.2	6.5				4.6	4.8				3.8					3.0				
20.0	6.4	6.9	7.1			5.9	6.8	6.7			5.5	6.5				4.6	4.8				3.8	4.0				3.0	3.2			
22.0	5.3	5.9	6.8			4.8	5.6	6.3			4.4	5.3	6.0			4.3	4.8	5.0			3.5	4.0				3.0	3.2			
24.0	4.4	5.0	5.8			3.9	4.6	5.3			3.6	4.3	5.1			3.4	4.2	5.0			3.3	3.8	4.2			2.8	3.2	3.2		
26.0	3.7	4.2	4.7	4.9		3.2	3.8	4.4	5.1		2.8	3.5	4.2	4.6		2.5	3.4	4.1				3.2	3.6				2.8	3.2		
28.0	3.1	3.5	4.0	4.6	3.3	2.5	3.2	3.7	4.4		2.1	2.8	3.4	4.3			2.7	3.4	4.3			2.7	3.3	4.0				2.9	3.2	
30.0	2.5	2.9	3.3	3.9	3.1	1.9	2.5	3.0	3.7	3.3		2.2	2.8	3.5	3.5			2.7	3.5				2.7	3.5				2.5	3.2	
32.0	2.0	2.4	2.8	3.3	3.0	1.4	2.0	2.5	3.1	3.2			2.2	2.9	3.4				2.9	3.4				2.9	3.5				2.8	3.2
34.0	1.5	1.9	2.3	2.7	2.9		1.4	1.9	2.5	2.9				2.3	2.8				2.2	2.8				2.3	2.8				2.3	2.9
36.0	1.1	1.5	1.8	2.2				1.4	1.9	2.3				1.7	2.2					2.2					2.2					2.3
38.0		1.0	1.3	1.6					1.4	1.6																				

B = Working radius

NOTES:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (255kg for a 15 ton capacity hook and 190kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection.
4. Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.5t.

A	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
H	2	2	2	1	1	1

A = Boom length H = No. of part-line

Extra weight specifications
[34.0m LUFFING JIB]
(Over rear · Over sides)

Unit : ton

Outriggers fully extended + Front jack (Over rear · Over sides)																														
B (m)	16.0 m BOOM					21.3 m BOOM					26.6 m BOOM					31.9 m BOOM					35.5 m BOOM					39.0 m BOOM				
	Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
14.0	5.5					5.0																								
16.0	5.5					5.0					4.1																			
18.0	5.5	5.2				5.0					4.1					3.4					2.4					1.8				
20.0	5.3	5.0				5.0	5.2				4.1	4.5				3.4					2.4					1.8				
22.0	5.1	4.6				5.0	4.8				4.1	4.5				3.4	3.5				2.4	2.5				1.8	2.0			
24.0	4.7	4.3	3.8			5.0	4.5				4.1	4.5				3.4	3.5				2.2	2.5				1.6	2.0			
26.0	4.4	4.0	3.6			4.8	4.2	3.7			4.1	4.5	3.8			3.1	3.3				1.9	2.3				1.4	1.8			
28.0	4.2	3.8	3.4			4.5	4.0	3.5			3.9	4.2	3.6			2.8	3.0	3.5			1.6	1.9	2.4			1.2	1.5	2.0		
30.0	3.9	3.4	3.2	2.6		4.2	3.8	3.3			3.5	3.8	3.4			2.5	2.7	3.1			1.4	1.7	2.1			1.0	1.3	1.7		
32.0	3.7	3.3	3.0	2.4		3.7	3.5	3.1	2.6		3.2	3.5	3.2	2.6		2.2	2.5	2.8	2.6		1.2	1.4	1.8			0.9	1.1	1.4		
34.0	3.4	3.1	2.8	2.3	2.0	3.2	3.3	3.0	2.4		2.7	3.2	3.1	2.5		2.0	2.3	2.6	2.5		1.0	1.2	1.6	2.3			0.9	1.3	2.0	
36.0	3.1	2.9	2.6	2.3	1.9	2.7	3.1	2.8	2.3	2.0	2.2	2.8	2.9	2.4	2.0	1.8	2.1	2.3	2.4	2.0	0.9	1.1	1.4	2.0				1.1	1.6	
38.0	2.6	2.7	2.5	2.2	1.9	2.2	2.7	2.6	2.2	1.9	1.7	2.3	2.8	2.3	1.9	1.3	1.8	2.1	2.3	1.9		0.9	1.2	1.8	2.0			0.9	1.4	2.0
40.0	2.2	2.6	2.4	2.1	1.9	1.8	2.2	2.4	2.2	1.9	1.3	1.8	2.3	2.2	1.9		1.5	2.0	2.3	1.9		0.9	1.1	1.5	1.9				1.3	2.0
42.0	1.9	2.2	2.3	2.1		1.4	1.8	2.2	2.1	1.8	1.0	1.4	1.9	2.2	1.9			1.6	2.2	1.9			0.9	1.4	1.9				1.1	1.7
44.0	1.6	1.8	2.0	2.0		1.1	1.4	1.8	2.0	1.8		1.0	1.5	2.0	1.8				2.0	1.8				1.3	1.8				0.9	1.5
46.0	1.3	1.5	1.6			0.8	1.1	1.4	1.7				1.1	1.5	1.8				1.4	1.7				1.1	1.7					1.3
48.0	1.0	1.1					0.9	1.0	1.2					1.1						1.2				0.9	1.3					1.1
50.0																														0.9

B = Working radius

NOTES:

1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (190kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection.
4. Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.5t.

A	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
H	1	1	1	1	1	1

A = Boom length H = No. of part-line

Extra weight specifications
[34.0m LUFFING JIB]
(Over front)

Unit : ton

Outriggers fully extended + Front jack (Over front)																												
B (m)	16.0 m BOOM					21.3 m BOOM					26.6 m BOOM					31.9 m BOOM					35.5 m BOOM					39.0 m BOOM		
	Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle					Tilt angle		
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°
14.0	5.5					5.0																						
16.0	5.5					5.0					4.1																	
18.0	5.5	5.2				5.0					4.1					3.4					2.4					1.8		
20.0	5.3	5.0				5.0	5.2				4.1	4.5				3.4					2.4					1.8		
22.0	5.1	4.6				5.0	4.8				4.1	4.5				3.4	3.5				2.4	2.5				1.8	2.0	
24.0	4.7	4.3	3.8			4.4	4.5				4.0	4.5				3.4	3.5				2.2	2.5				1.6	2.0	
26.0	4.0	4.0	3.6			3.6	4.2	3.7			3.3	4.1	3.8			2.9	3.3					2.3					1.8	
28.0	3.3	3.8	3.4			3.0	3.6	3.5			2.6	3.4	3.6				3.0	3.5				1.9	2.4				1.5	2.0
30.0	2.8	3.3	3.2	2.6		2.4	3.0	3.3				2.8	3.4					3.1					2.1					1.7
32.0	2.3	2.8	3.0	2.4		1.9	2.5	3.0	2.6			2.2	2.8	2.6				2.6	2.6				1.8					
34.0	1.9	2.3	2.7	2.3	2.0	1.4	2.0	2.5	2.4				2.3	2.5					2.5					2.3				
36.0	1.4	1.9	2.3	2.3	1.9		1.5	2.1	2.3	2.0			1.8	2.4	2.0				2.4	2.0				2.0				
38.0	1.1	1.5	1.9	2.2	1.9			1.6	2.2	1.9				2.0	1.9					1.9					2.0			
40.0		1.1	1.4	1.9	1.9				1.7	1.9					1.9					1.9					1.9			
42.0				1.4					1.3	1.6																		

B = Working radius

NOTES:

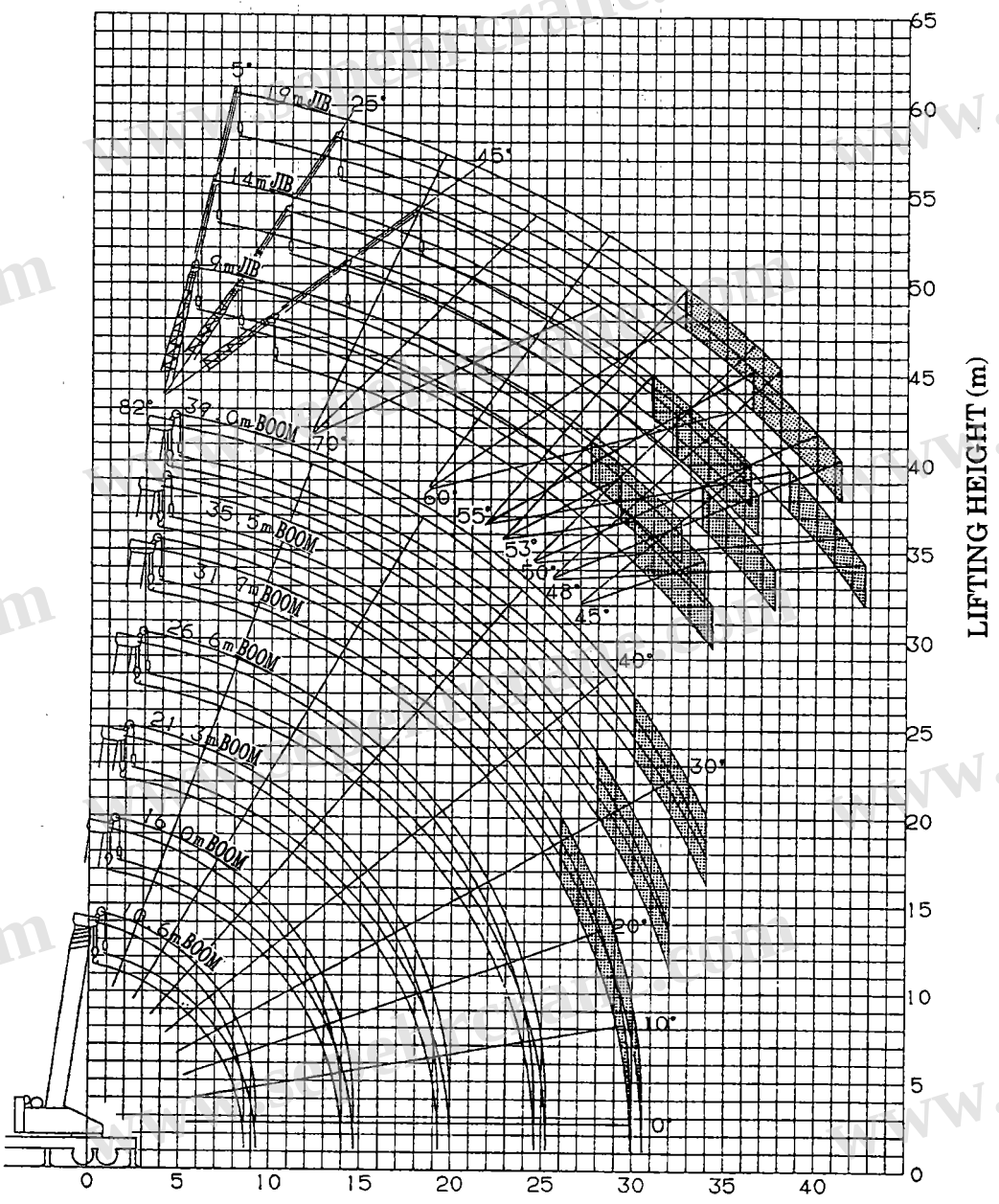
1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (190kg for a 5.5 ton capacity hook) are included in the total rated loads shown.
3. The total rated load is based on the actual working radius including the deflection.
4. Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
5. The chart below shows the standard number of part lines for each boom length. The load per line should not exceed 5.5t.

A	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m
H	1	1	1	1	1	1

A = Boom length H = No. of part-line

WORKING RADIUS - LIFTING HEIGHT

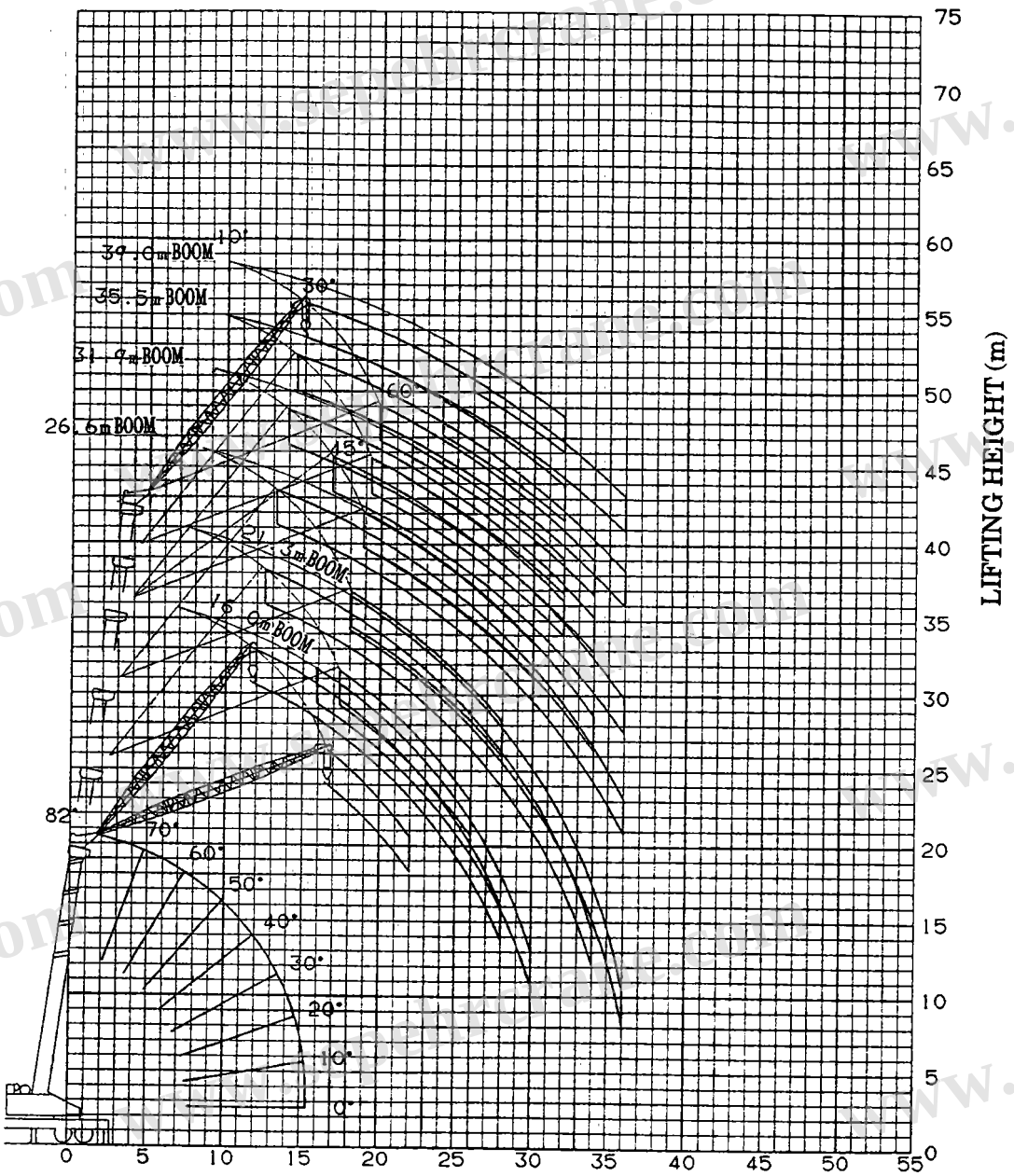
[BOOM, JIB]



NOTES:

1. The deflection of the boom is not incorporated in the figure above.
2. The figure above is for the case when the outriggers are fully extended (Over rear or sides).
3. The ▒▒ area in the diagram applies only when the extra weight option is used.

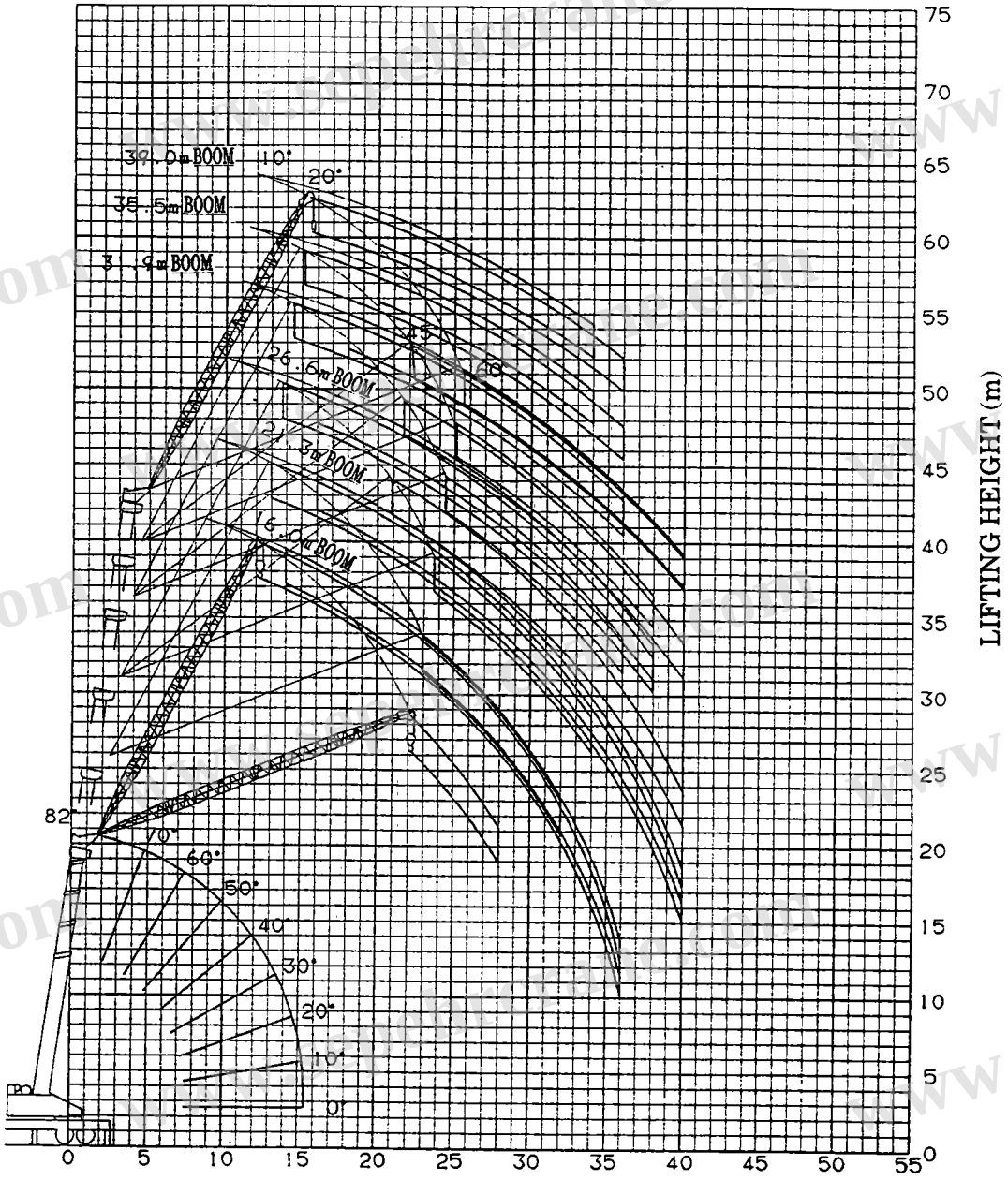
Extra weight specifications
[16.0m LUFFING JIB]



NOTES:

1. The deflection of the boom is not incorporated in the figure above.
2. The figure above is for the case when the outriggers are fully extended (Over rear or sides).

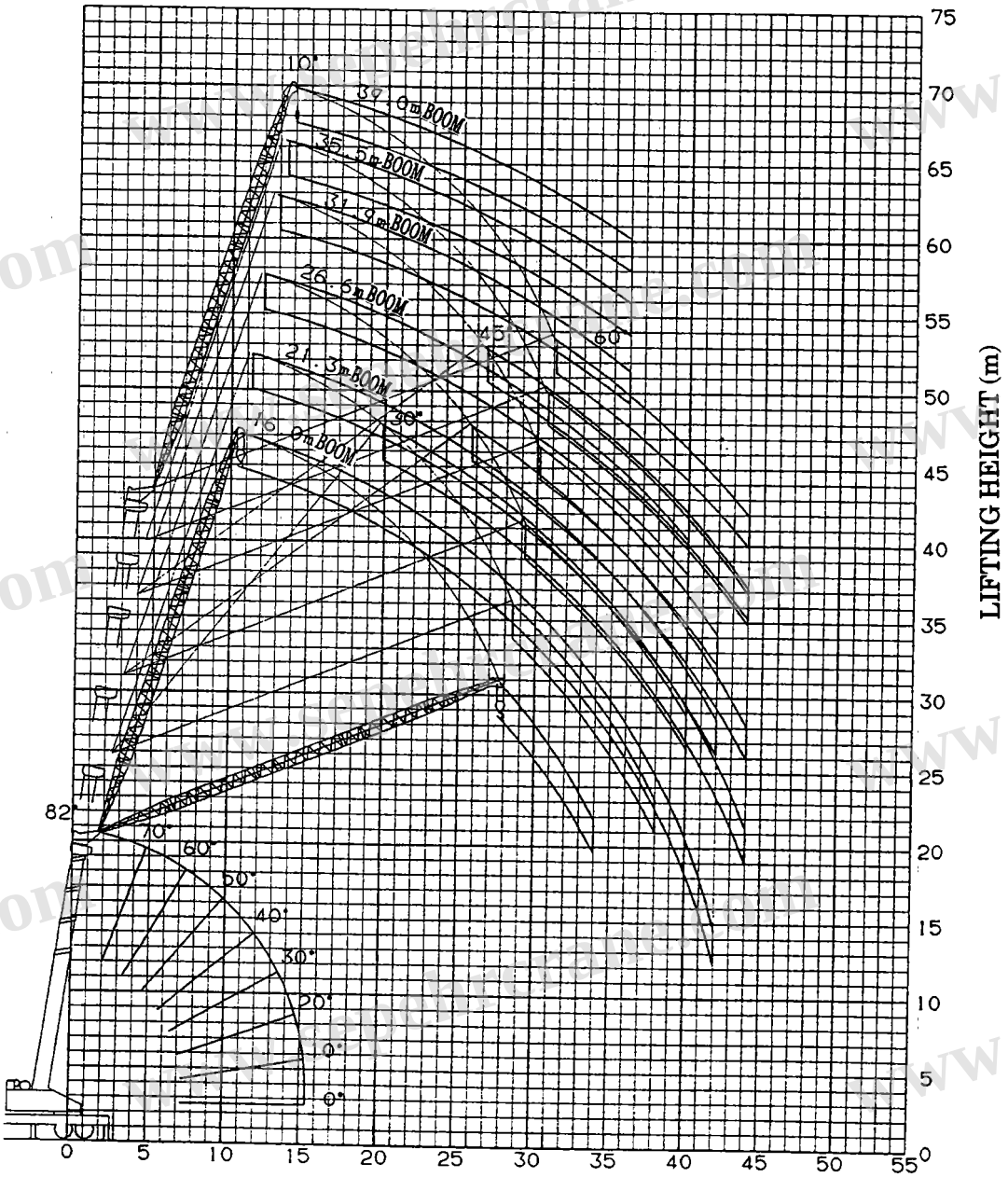
Extra weight specifications
[22.0m LUFFING JIB]



NOTES:

1. The deflection of the boom is not incorporated in the figure above.
2. The figure above is for the case when the outriggers are fully extended (Over rear or sides).

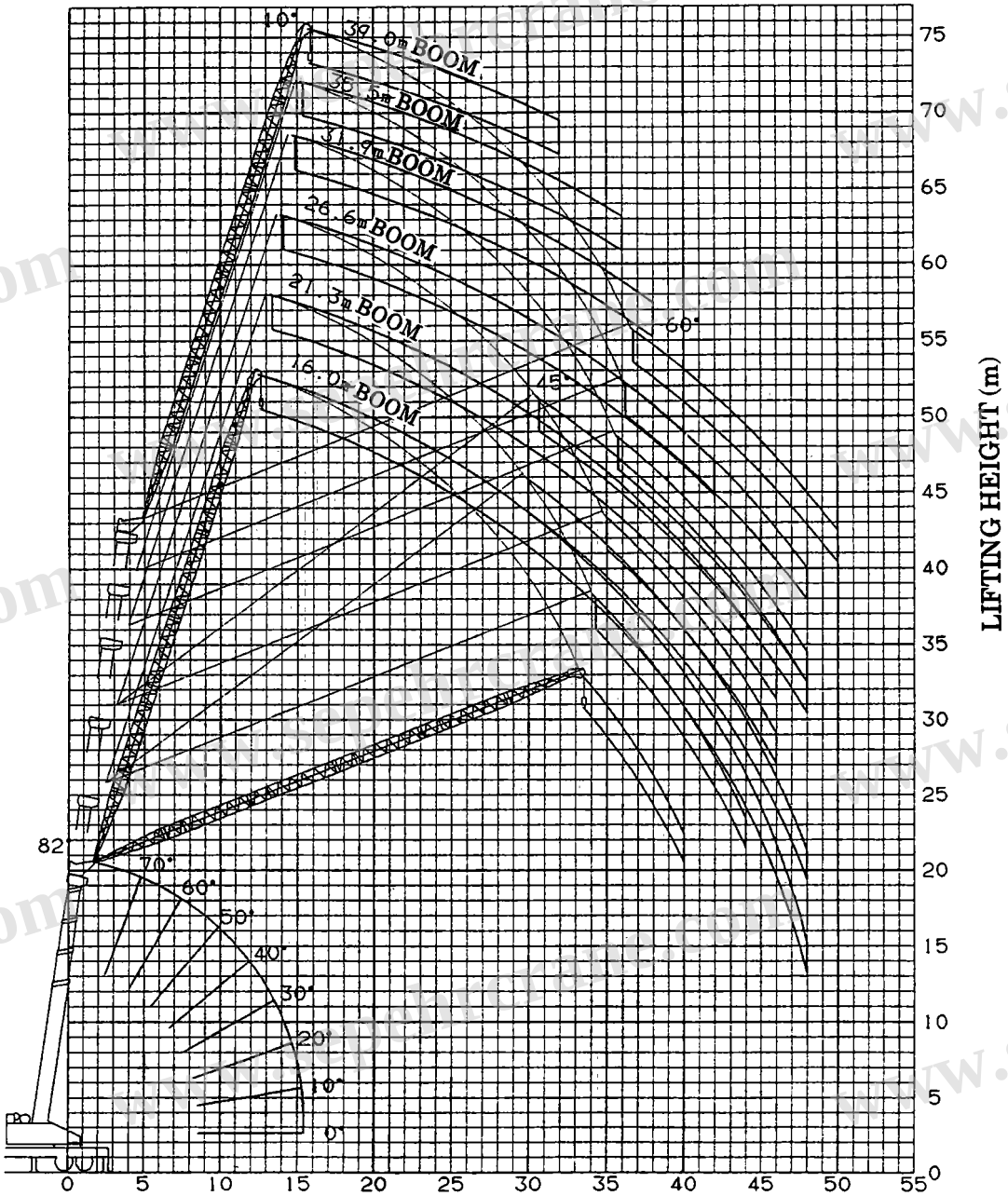
Extra weight specifications
[28.0m LUFFING JIB]



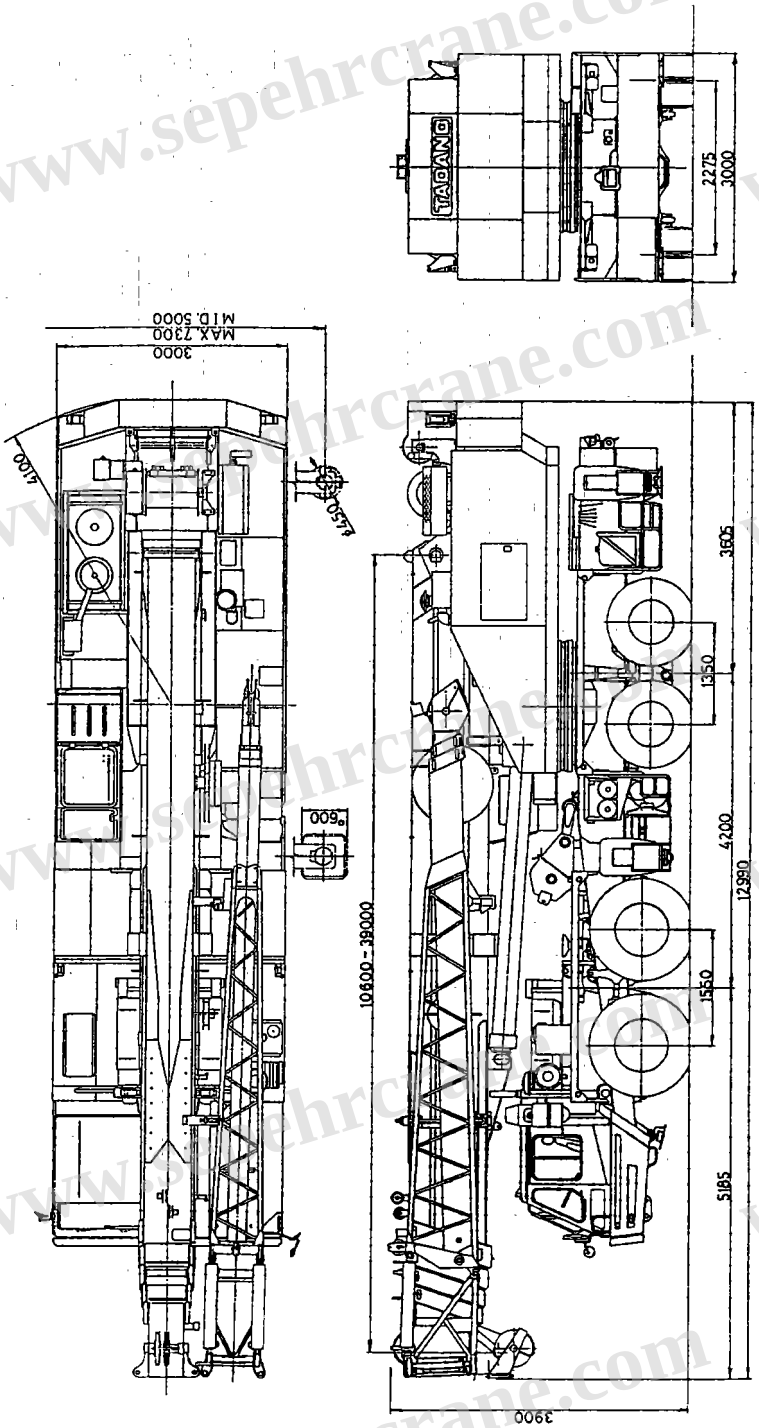
NOTES:

1. The deflection of the boom is not incorporated in the figure above.
2. The figure above is for the case when the outriggers are fully extended (Over rear or sides).

Extra weight specifications
[34.0m LUFFING JIB]



NOTES:

1. The deflection of the boom is not incorporated in the figure above.
2. The figure above is for the case when the outriggers are fully extended (Over rear or sides).

DIMENSIONS (1/100)