

# 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

# 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 boom 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  $\theta$ ) 0.52

Min. turning radius 9.6m

<b>TOTAL RATED LOADS</b>
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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)										
E	C	9.0m			14.0m			19.0m		
	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°)										
E	C	9.0m			14.0m			19.0m		
	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)										
E	C	9.0m			14.0m			19.0m		
	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°)										
E	C	9.0m			14.0m			19.0m		
	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.

<b>A</b>	10.6m	16.0m	21.3m	26.6m	31.9m	35.5m	39.0m	<b>J</b>
<b>H</b>	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 boom from the total rated load of the boom.



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

Unit : ton

B		Outriggers fully extended + Front jack (Over rear · Over sides)																													
		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		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°											
12.0	-	-	11.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
14.0	-	10.7	11.0	-	-	-	-	-	12.1	-	-	-	-	-	-	-	-	-	-	-	-										
16.0	10.0	10.1	10.4	9.2	-	-	10.8	11.1	9.7	-	11.4	11.6	-	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	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	4.6	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	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	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	2.0	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

B (m)	Outriggers fully extended + Front jack (Over front)																				
	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°	
12.0	-	-	11.7			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.0	-	10.7	11.0			-	-	11.6			-	-	-	-	-	-	-	-	-	-	-
16.0	8.2	8.9	9.6	9.2		-	8.5	9.3	9.7		-	8.2	9.0		-	-	-	-	-	-	-
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		-
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	-
22.0	4.2	4.6	5.0	5.4	5.7	3.7	4.2	4.7	5.2	5.0	3.2	3.9	4.4	5.0	5.5	-	3.6	4.2	4.9	5.4	-
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	-
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	-
28.0	1.9	2.1	2.3			1.7	2.0	2.3				1.7	2.1	2.4		-				2.3	-
30.0								1.3	1.5							-					-

B = Working radius

NOTES:

- 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.
- 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.
- The total rated load is based on the actual working radius including the deflection.
- Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
- 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

B (m)	Outriggers fully extended + Front jack (Over rear · Over sides)																														
	16.0 m BOOM			21.3 m BOOM			26.6 m BOOM			31.8 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°							
12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
14.0	9.5	9.4	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
16.0	8.8	8.7	9.0	-	-	9.5	9.3	-	-	9.0	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
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	-	-	-	-	-	-	-	-						
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	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	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	-	-	-	-	-	-	-	-	1.4	1.7	2.0	2.2	
40.0	-	-	-	-	-	0.9	1.0	1.1	-	-	0.9	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

B (m)	Outriggers fully extended + Front jack (Over front)																				
	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°	
12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.0	9.5	9.4	-	-	-	-	9.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.0	8.8	8.7	9.0	-	-	8.4	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18.0	7.2	7.9	8.4	-	-	6.7	7.6	8.4	-	-	6.1	7.0	7.0	-	-	-	-	-	-	-	-
20.0	5.9	6.5	7.1	6.5	-	5.4	6.1	6.8	-	-	5.1	5.9	6.7	-	-	4.8	5.2	5.8	-	-	-
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	-	3.7	4.5	5.6	-	-	-
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	-	-
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	-	-
28.0	2.0	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	-	-
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
32.0	1.5	1.8	2.1	2.4	-	-	1.3	1.7	2.1	2.4	-	-	2.0	2.3	-	-	-	-	-	2.5	3.0
34.0	1.0	1.2	1.5	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	2.2	2.3

B = Working radius

NOTES:

- 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.
- 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.
- The total rated load is based on the actual working radius including the deflection.
- Free-fall operation must not be performed since it may lead to damages or toppling of the crane.
- 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

B (m)	Outriggers fully extended + Front jack (Over rear · Over sides)																								
	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		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°	
12.0	8.5				7.7																				
14.0	8.5				7.7					6.2					4.6										
16.0	7.9	7.9			7.7	8.0				6.2					4.6										
18.0	7.4	7.3			7.7	7.6				6.2	6.5				4.6	4.8									
20.0	6.9	6.9	7.1		7.4	7.3	6.7			6.2	6.5				4.6	4.8									
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								
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								
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								
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							
30.0	4.4	4.8	5.2	4.4	3.1	3.0	4.4	4.9	4.0	3.3	3.5	4.1	4.6	4.3	3.5	3.3	3.7	4.3							
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
34.0	3.3	3.6	3.9	4.0	2.9	2.8	3.2	3.8	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
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
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
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	2.5	
42.0	1.6	1.7				1.0	1.3	1.6	1.8			0.9	1.2	1.6								1.6	1.8	1.9	
44.0							0.9	1.1														1.1		1.4	

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 topping 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

B (m)	Outriggers fully extended + Front jack (Over front)																								
	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		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°	
12.0	8.5				7.7																				
14.0	8.5				7.7					6.2					4.6										
16.0	7.9	7.9			7.7	8.0				6.2					4.6						3.8				
18.0	7.4	7.3			7.3	7.6				6.2	6.5				4.6	4.8					3.8				
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			
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			
24.0	4.4	5.0	5.0		3.9	4.6	5.3			3.6	4.3	5.1			3.4	4.2	5.0				3.3	3.6	4.2		
26.0	3.7	4.2	4.7	4.0	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			
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		
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	3.3	4.0		
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					2.7	3.5			
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					2.9	3.4			
36.0	1.1	1.5	1.8	2.2			1.4	1.9	2.3	2.3		1.7	2.2		2.2	2.8					2.2	2.8			
38.0		1.0	1.3	1.6				1.4	1.6	1.6											2.2				

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

B (m)	Outriggers fully extended + Front jack (Over rear · Over sides)																									
	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		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°		
14.0	5.5				5.0																					
16.0	5.5				5.0				4.1																	
18.0	5.5	5.2			5.0				4.1																	
20.0	5.3	5.0			5.0	5.2			4.1	4.5																
22.0	5.1	4.6			5.0	4.8			4.1	4.5																
24.0	4.7	4.3	3.8		5.0	4.5			4.1	4.5																
26.0	4.4	4.0	3.6		4.8	4.2	3.7		4.1	4.5																
28.0	4.2	3.8	3.4		4.5	4.0	3.5		3.9	4.2	3.6															
30.0	3.9	3.4	3.2	2.6	4.2	3.8	3.3		3.5	3.8	3.4															
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														
34.0	3.4	3.1	2.8	2.3	3.2	3.3	3.0	2.4	2.7	3.2	3.1	2.5														
36.0	3.1	2.9	2.6	2.3	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				
38.0	2.6	2.7	2.5	2.2	2.7	2.7	2.0	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	1.6	2.3			
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			
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	1.8	2.2	1.9	1.8	2.2	1.9	0.9	1.4	1.9		
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	2.0	1.8	1.3	1.8	1.3	1.8		
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	1.1	1.7		
48.0	1.0	1.1										1.1									1.2		0.9	1.3		
50.0																										

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

B (m)	Outriggers fully extended + Front jack (Over front)																													
	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					4.1																			
16.0	5.5					5.0					4.1																			
18.0	5.5	5.2				5.0					4.1					3.4														
20.0	5.3	5.0				5.0	5.2				4.1	4.5				3.4														
22.0	5.1	4.6				5.0	4.8				4.1	4.5				3.4	3.5													
24.0	4.7	4.3	3.8			4.4	4.5				4.0	4.5				3.4	3.5													
26.0	4.0	4.0	3.6			3.6	4.2	3.7			3.3	4.1	3.8			2.9	3.3													
28.0	3.3	3.8	3.4			3.0	3.6	3.5			2.6	3.4	3.6			3.0	3.5													
30.0	2.8	3.3	3.2	2.0		2.4	3.0	3.3			2.8	3.4				3.1														
32.0	2.3	2.8	3.0	2.4		1.9	2.5	3.0	2.6		2.2	2.8	2.6			2.0	2.6													
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														
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													
38.0	1.1	1.5	1.9	2.2	1.9			1.6	2.2	1.9	2.0	1.9				1.9														
40.0		1.1	1.4	1.9	1.9				1.7	1.9	1.9					1.9														
42.0					1.4				1.3	1.6																				

B = Working radius

NOTES:

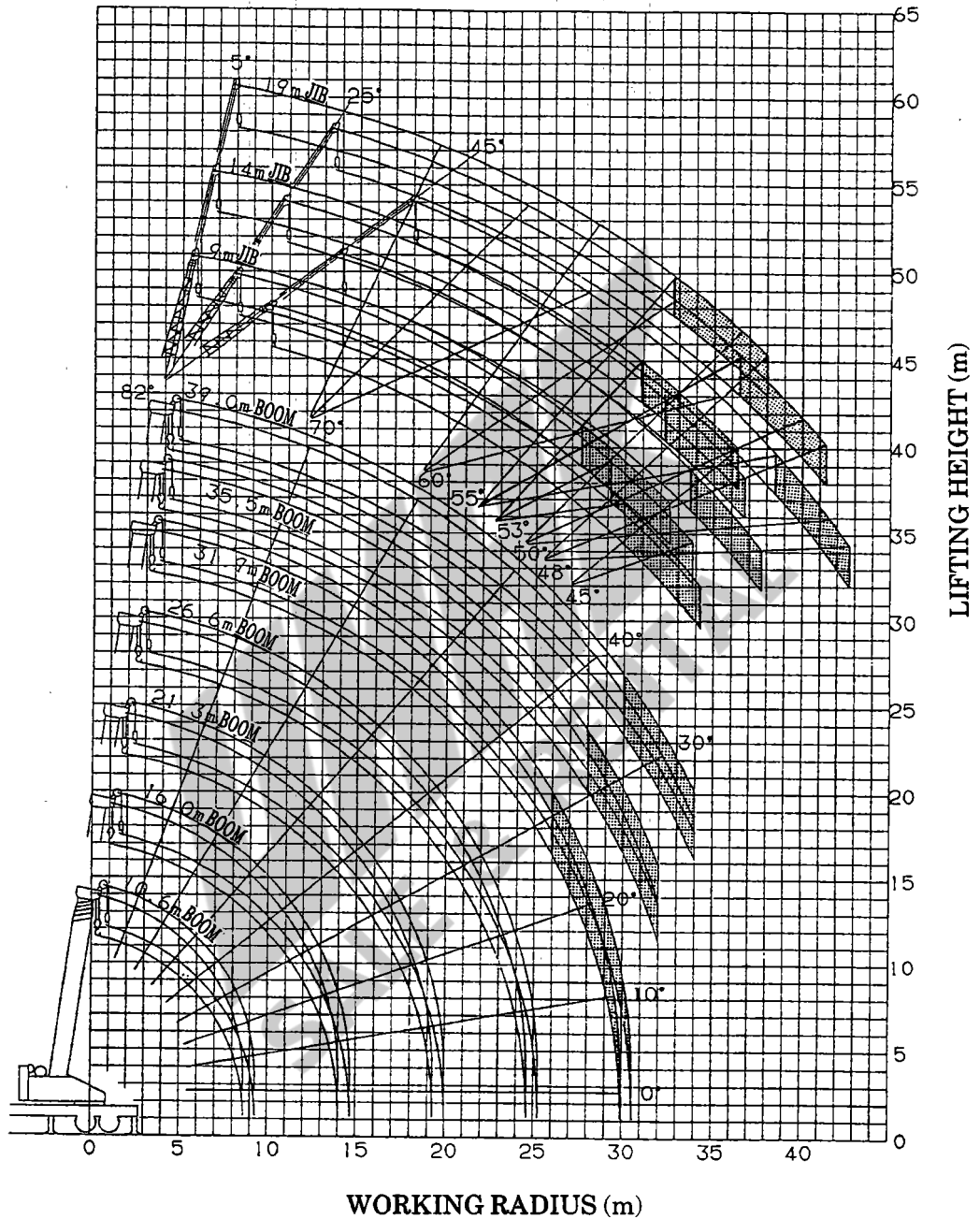
1. The total rated loads shown are for the case when the outriggers are set horizontally on firm ground. The values above the bold lines are based on the crane strength while those below are based on the crane stability.
2. The weights of slings and hooks (190kg for a 5.5 ton capacity hook) are included 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

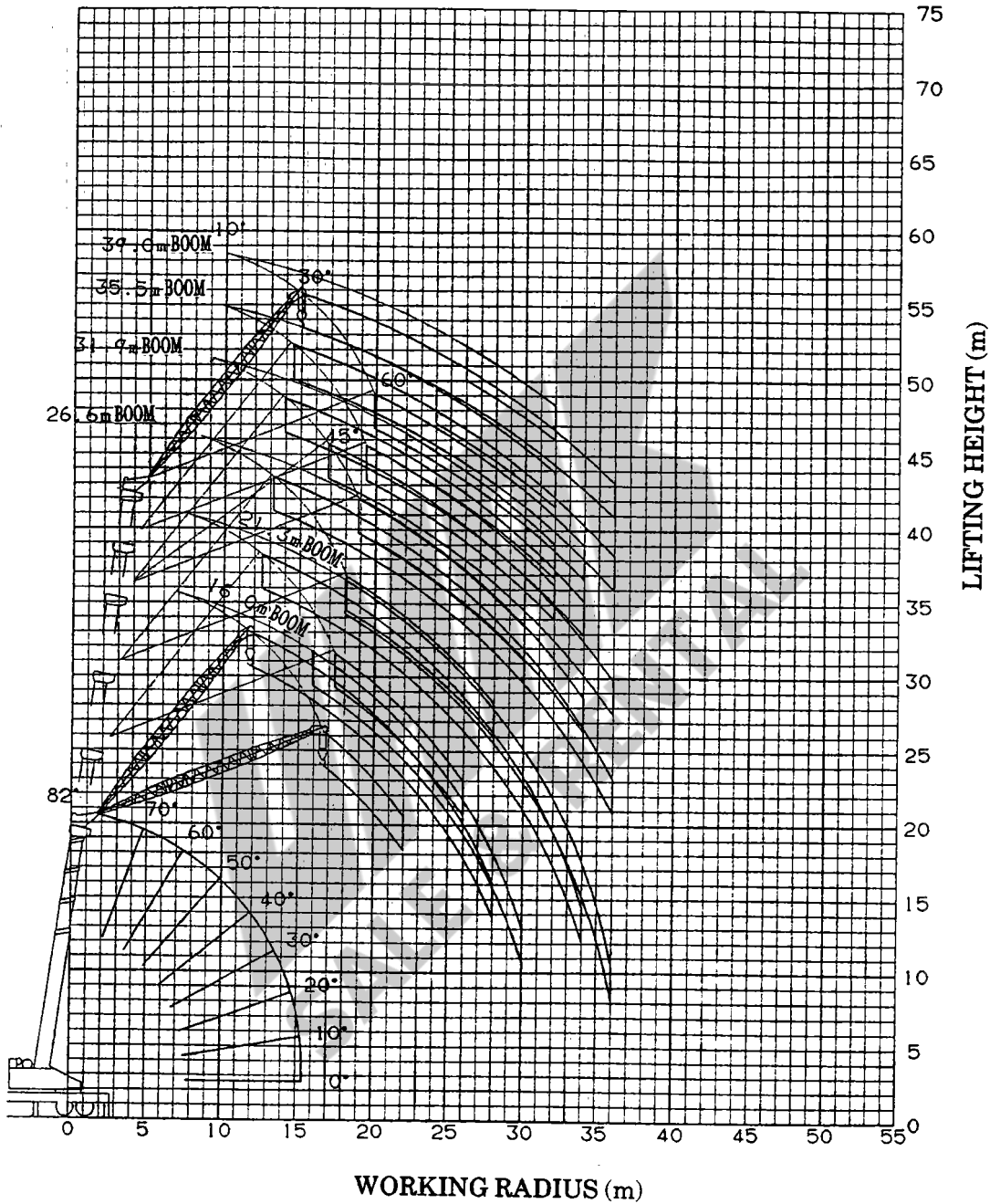
[BOOM, JIB]



**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 shaded area in the diagram applies only when the extra weight option is used.

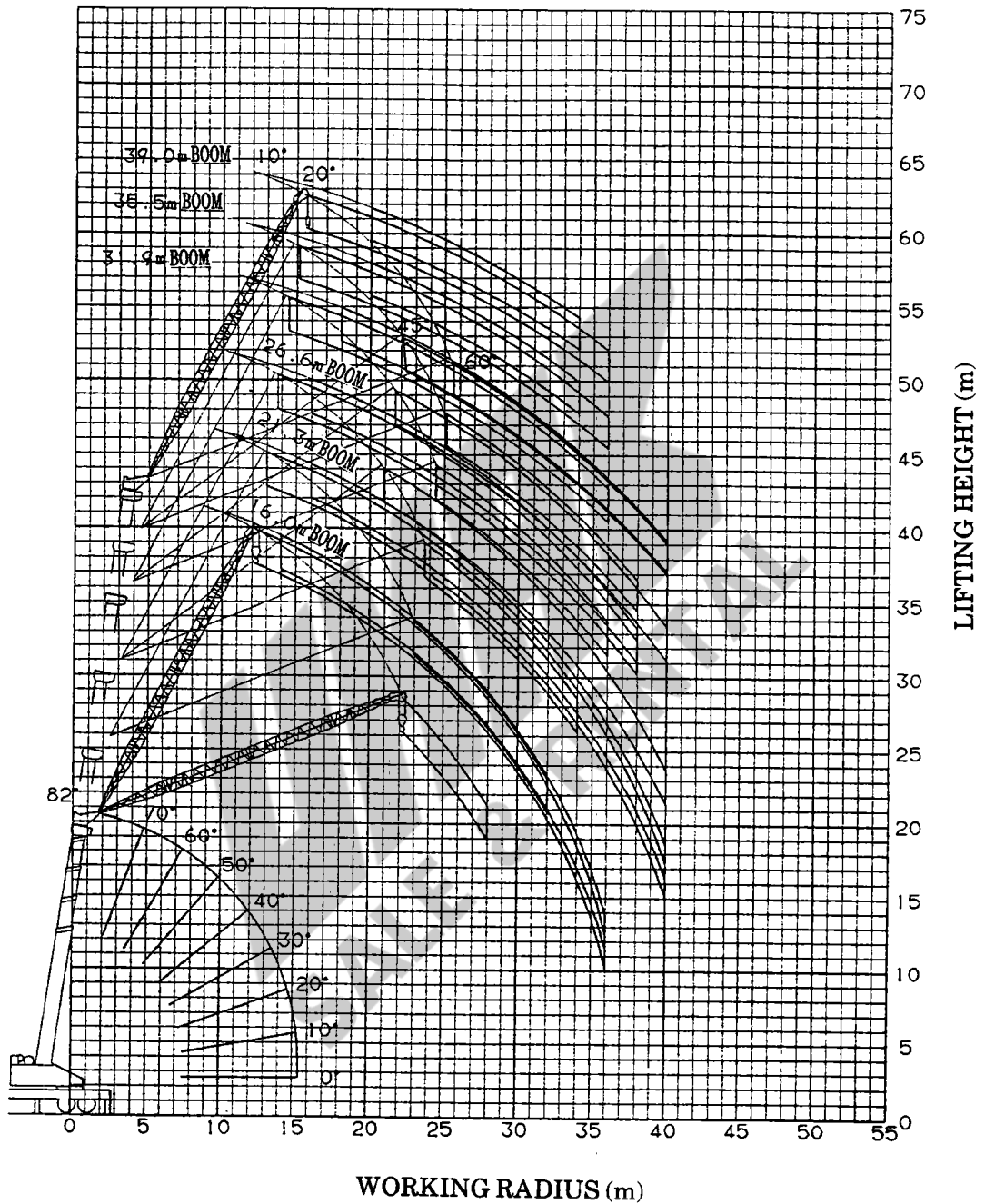
Extra weight specifications  
[16.0m LUFFING JIB]



**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).

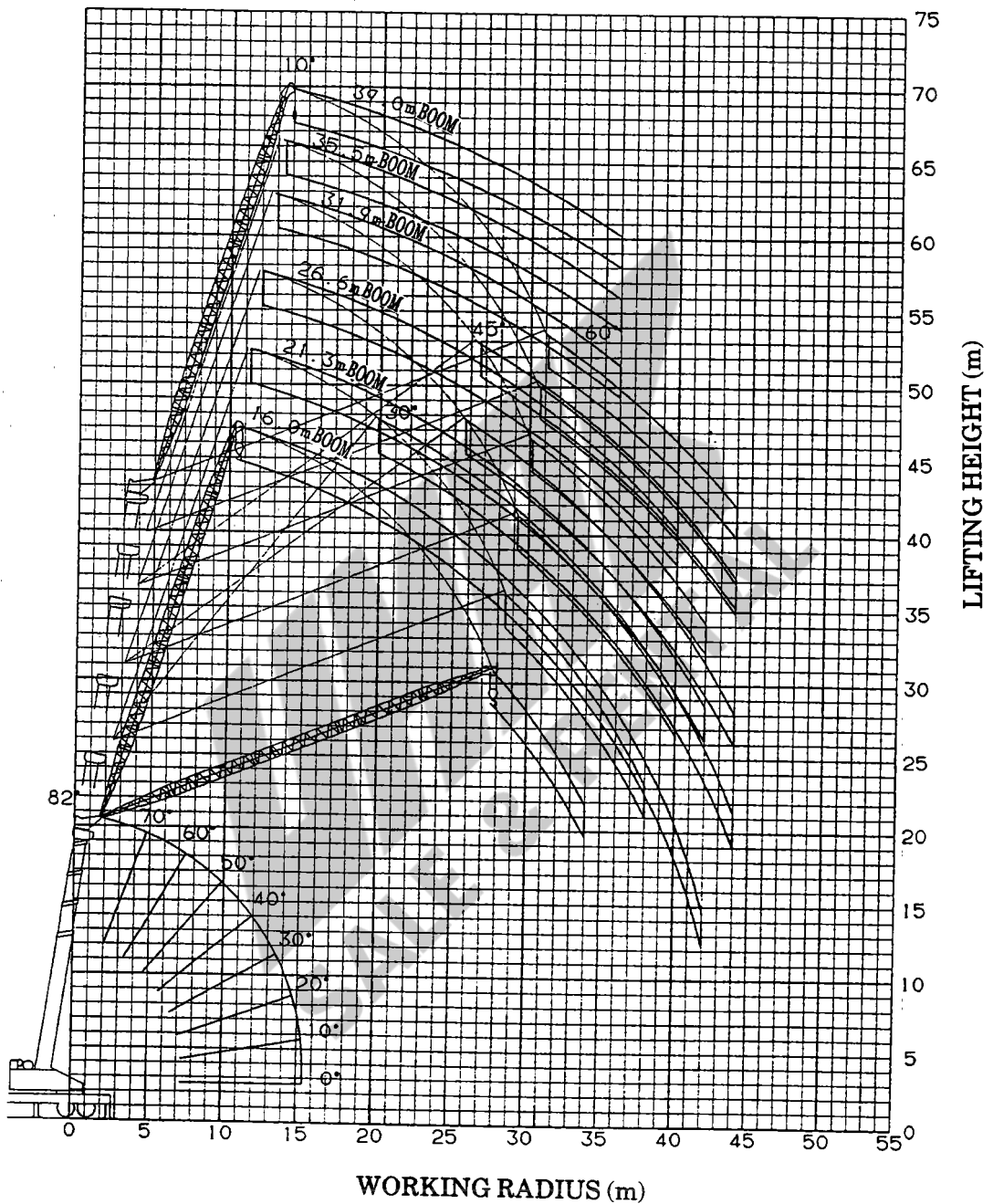
Extra weight specifications  
[22.0m LUFFING JIB]



**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]

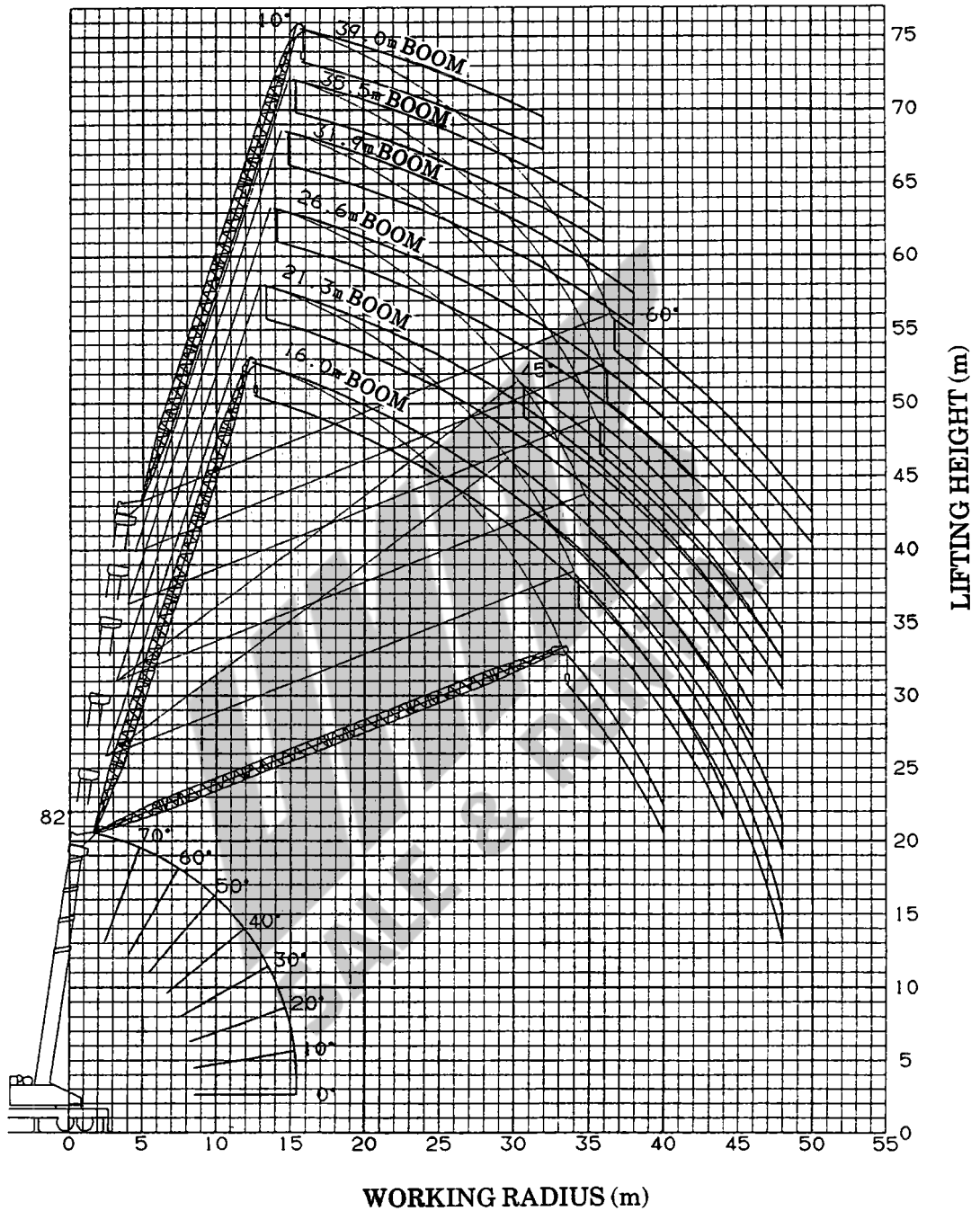


**NOTES:**

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)**

