

2.1 General Specifications

Model: QUY150C

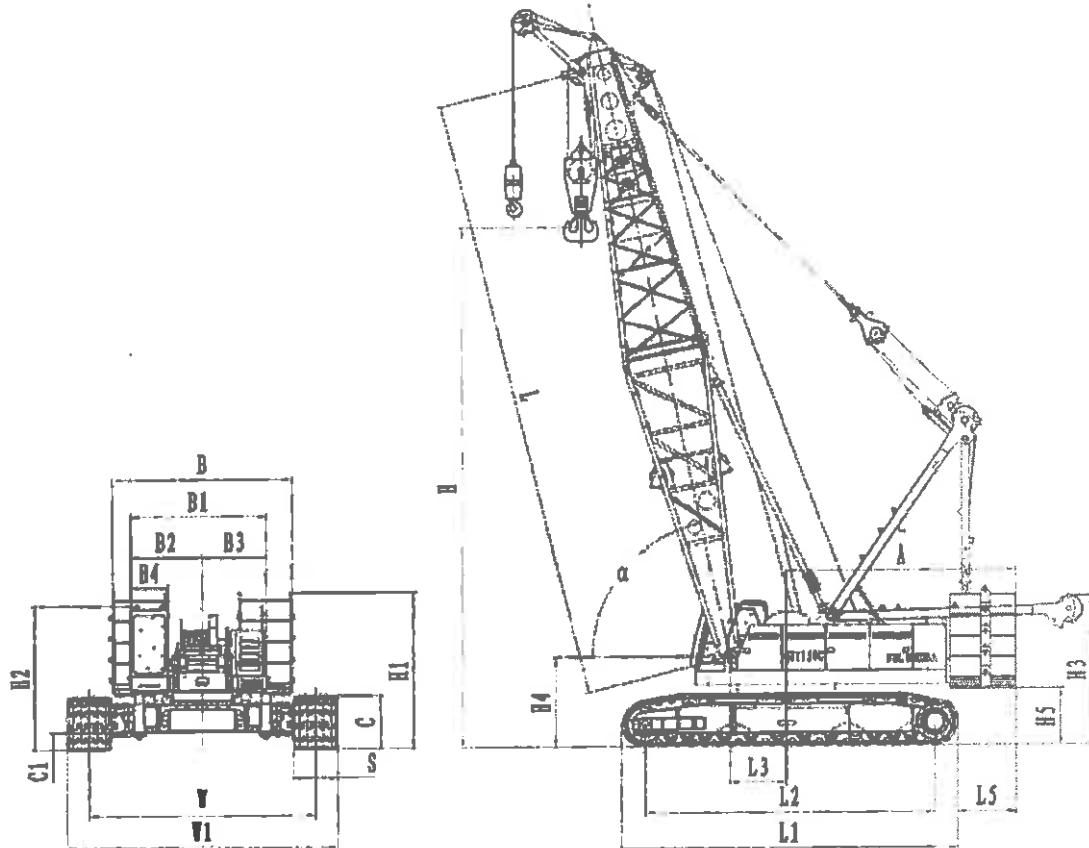
Max. rated lifting capacity: 150t

Max. Torque: 150t × 6m=900t.m

Descriptions		Unit	Data
Main boom length		m	15.2~81.2
Fly jib length		m	13~31
Max. length of main boom plus fly jib		m	69.2+31
Boom angle		°	30~80
Working Speed	Line speed	Hoist	m/min *High speed 117-142
		Lower	m/min *High speed 117-142
		Boom rise	m/min *30
		Boom lower	m/min 30
	Swing	r/min	0-2.3
		Travel	km/h *0.63-1.25
Parts of line	16	Single line pull	13.5t
Grade ability (with basic boom and cab on rear side)		%	30
The engine power output/rotation speed		KW/r/min	QSL-9/209KW2100rpm
Weight of the whole machine	t		152—165
Ground pressure	MPa		0.092/0.096
Counterweight	t		56+10
Overall Dimensions	mm		9750×3380×3580
Ground pressure	kg/cm ²		0.92

Note: *Speed may vary with the load.

2.2 Overall Dimensions

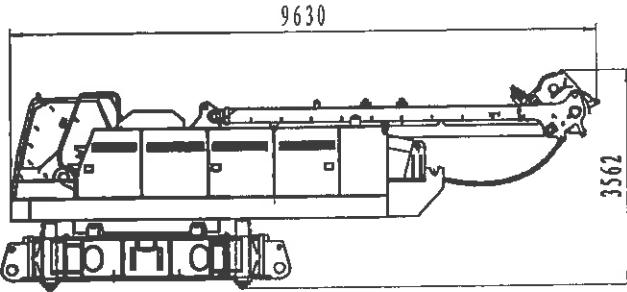
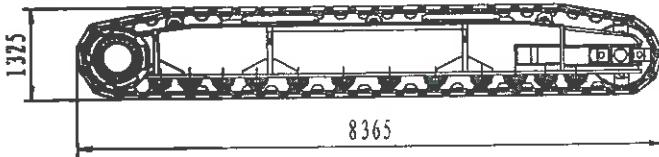


A The slewing radius of rear part	5659 mm
B Width of counterweight	4456 mm
B1 Width of superstructure	3380 mm
B2 The distance from slewing center line to the driver's cabin	1787 mm
B3 The distance from slewing center line to left cabin cover	1593 mm
B4 Width of cabin	920 mm
C Width of track shoe	1325 mm
C1 The distance from chassis to the ground	443 mm
H Max. hoist height of hook with boom	13000mm
H1 Counterweight upper height	3948 mm
H2 The cabin upper height	3634 mm
H3 Sheaves height when lowering A-frame lowering	3630 mm

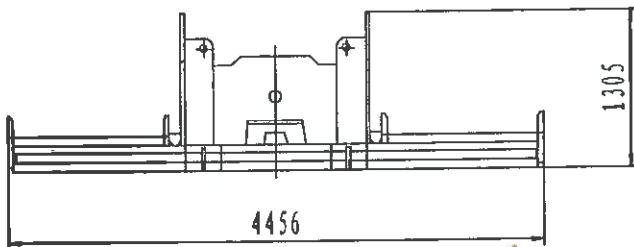
H4 The upright distance to the ground from boom foot	2196 mm
H5 The distance from superstructure to the ground	1424 mm
L Length of basic boom	15200 mm
L1 Length of track side frame	8365 mm
L2 The shaft distance between front to rear (drive roller and guide roller)	7200 mm
L3 The distance from slewing center to boom foot	1400
S Width of track shoe	1100
W The distance between two tracks	5630
W1 Chassis width	6730
a Boom angle	30° — 80°
The mass of crane: (including basic boom of 15.2m, 56t counterweight and 10.2t central ballast)	
Total mass	152 t

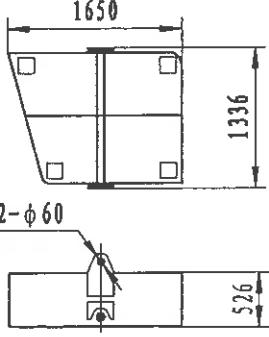
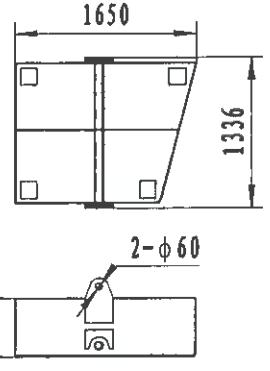
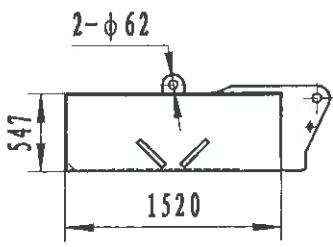
2.3 Dimensions and weight of all components

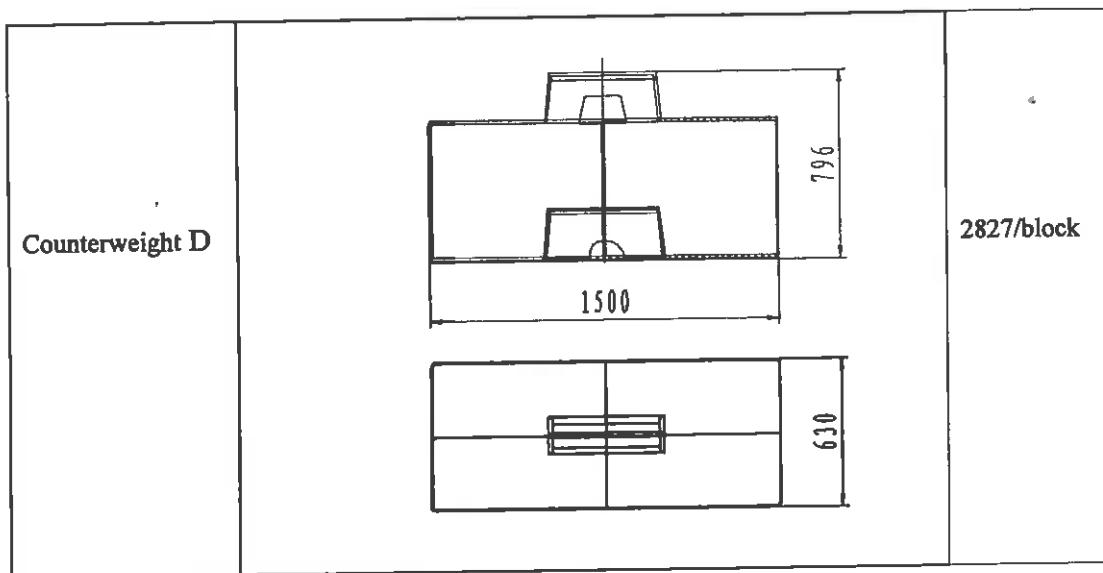
2.3.1 Base machine

Item	Dimensions mm	Weight Kg
Superstructure		45000
Crawler Assy		20400

2.3.2 Counterweight

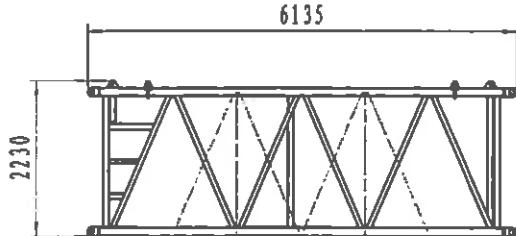
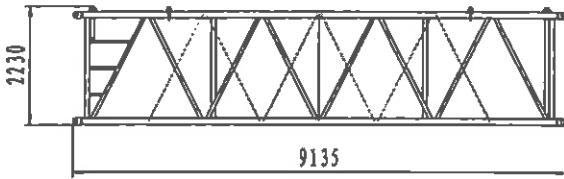
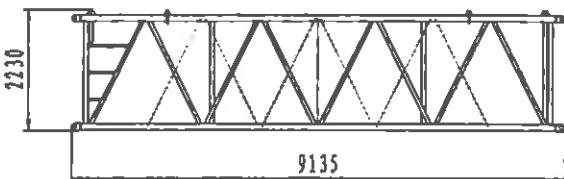
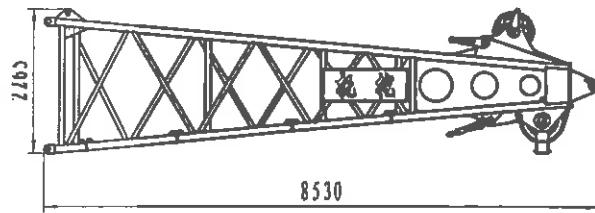
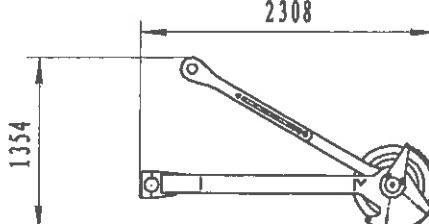
Item	Dimensions mm	Weight kg
Counterweight		12526

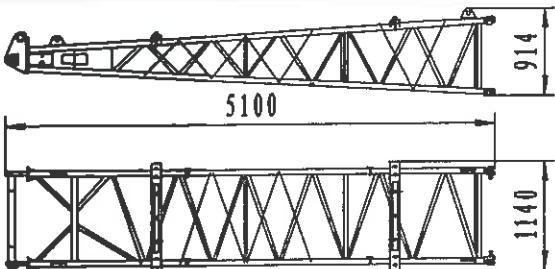
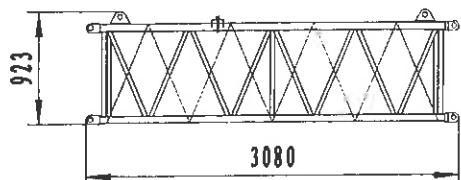
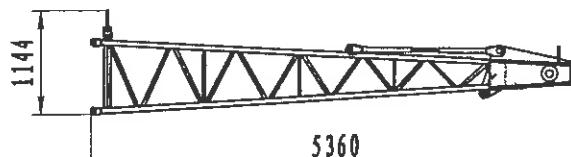
Counterweight A		4707/block
Counterweight B		4707/block
Central ballast		5100/block



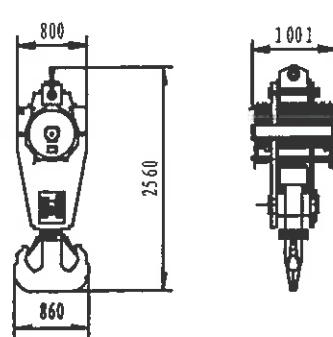
2.3.3 Boom sections (not including the weight of vertical brace)

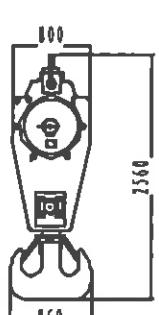
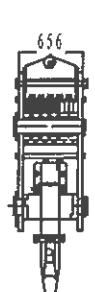
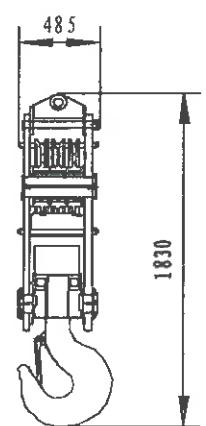
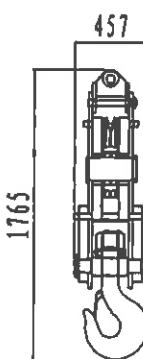
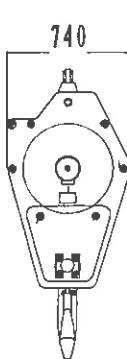
Item	Dimensions mm	Weight Kg
Boom foot		3366
3m boom insert		688

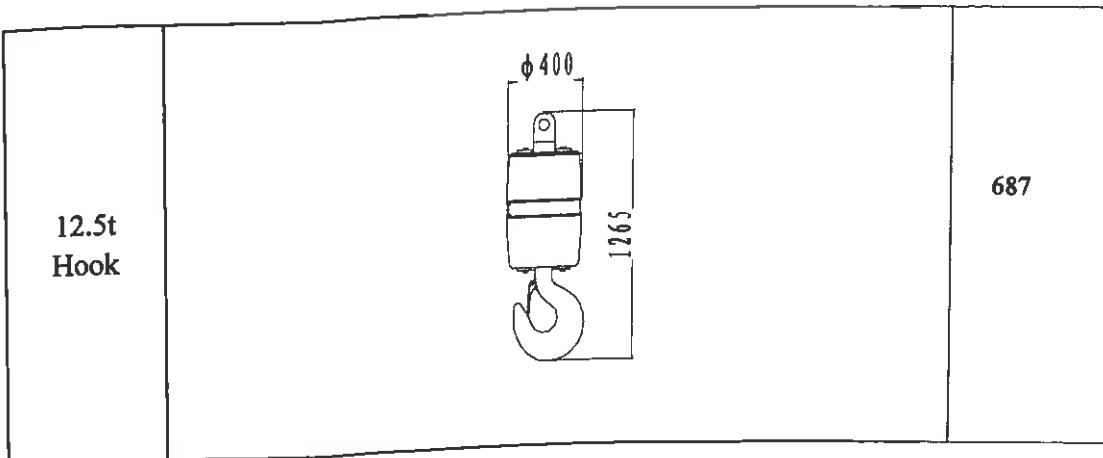
6m boom insert		970
9m boom insert (Light)		1229
9m boom insert (Heavy)		1269
Boom top		2827
Runner		427

Fly jib foot		259
3m jib insert		239
6m jib insert		408
Jib top		328

2.3.4 Hook blocks

150t Hook		3202
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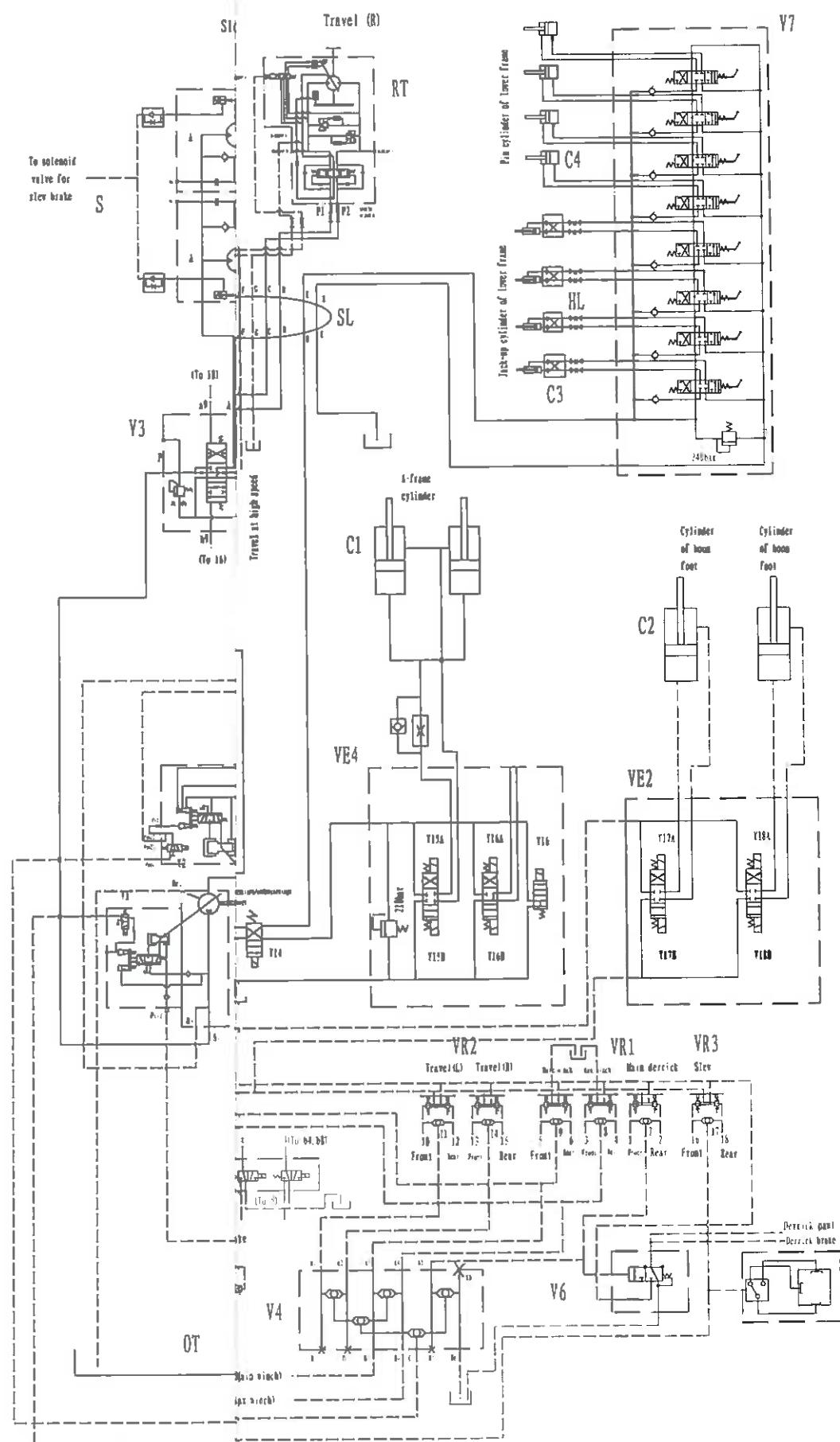
100t Hook	 	1353
50t Hook		762
25t Hook	 	842



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2.4 System diagrams

2.4.1 Hydraulic system schematic d



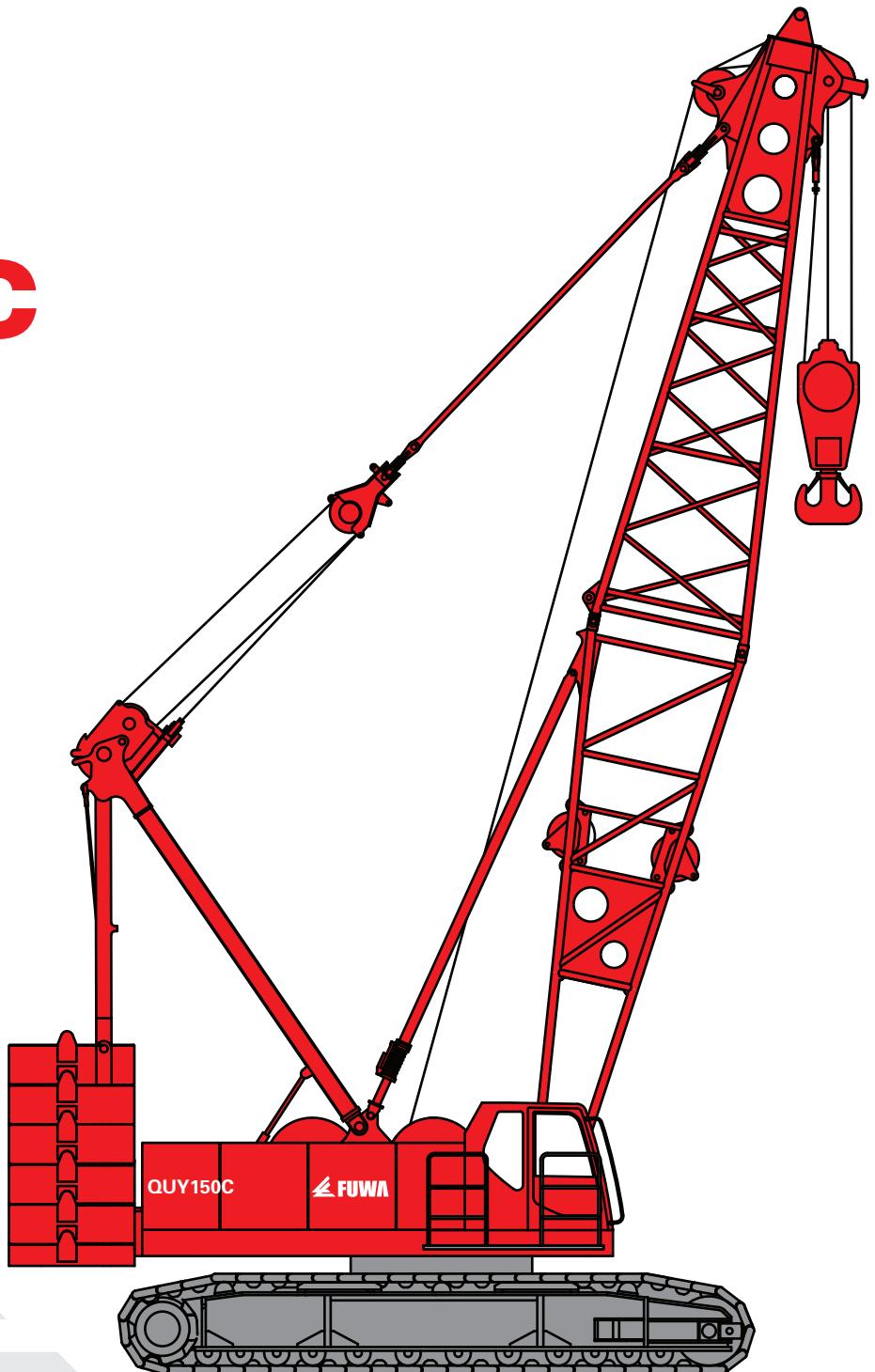
FUWA HEAVY INDUSTRY CO. LTD.

QUY150C

Hydraulic Crawler Crane

-Fuwa Series Crawler Cranes-

150 mt lifting capacity





FUWA HEAVY INDUSTRY CO. LTD.

The New Fuwa QUY150C crawler crane has been designed to meet the latest demand in heavy lifting based on international safety and quality standards. Four distinguishing patents make the machine different and better. True experience of Fuwa, being one of world's oldest construction equipment manufacturer's, results in a solid piece of equipment which stands out in performance and flexibility.

Features:

- Strong lifting capacity: max.lifting capacity 150t/6m, max.lifting torque 900t.m, max.length boom 81.2m. fly jib max.length combination 69.2m+31m, luffing jib max.combination 54.2m+52m.
- Travel with 100% load: strong traction and traveling stability.
- Safety control system: GPS remote monitoring, lightning protection, ground pressure, traveling slewing alarm, gradienter,safety and monitoring system.
- Undercarriage jack cylinder: elevation(over and under)type,simple and concise undercarriage, more trafficable.
- Power through pin cylinder: chassis and track frame , boom foot and platform are connected by power pin for convenient installation and saving time.
- Simple transportation: max.transportation mass 42t, transportation width 3.38m.
- Free fall: belt type brake and belt type clutch can achieve free fall function to improve working efficiency.
- Big single pull with low speed big torque motor,first layer winch capacity is 20.8t and grab can be equipped according to specific condition.
- High-level configuration: key components are all imported to ensure stability and long use life.

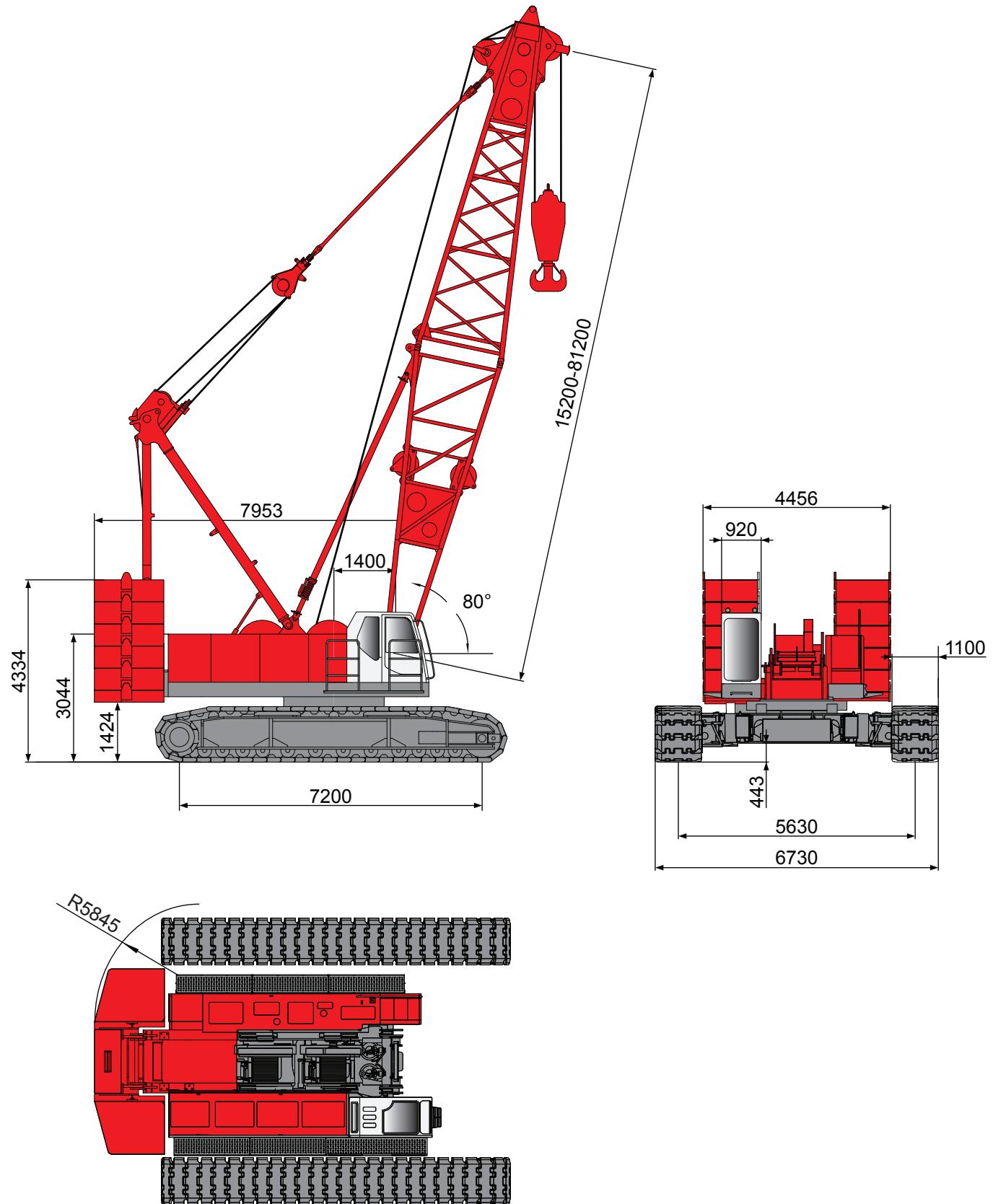
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Technical Data

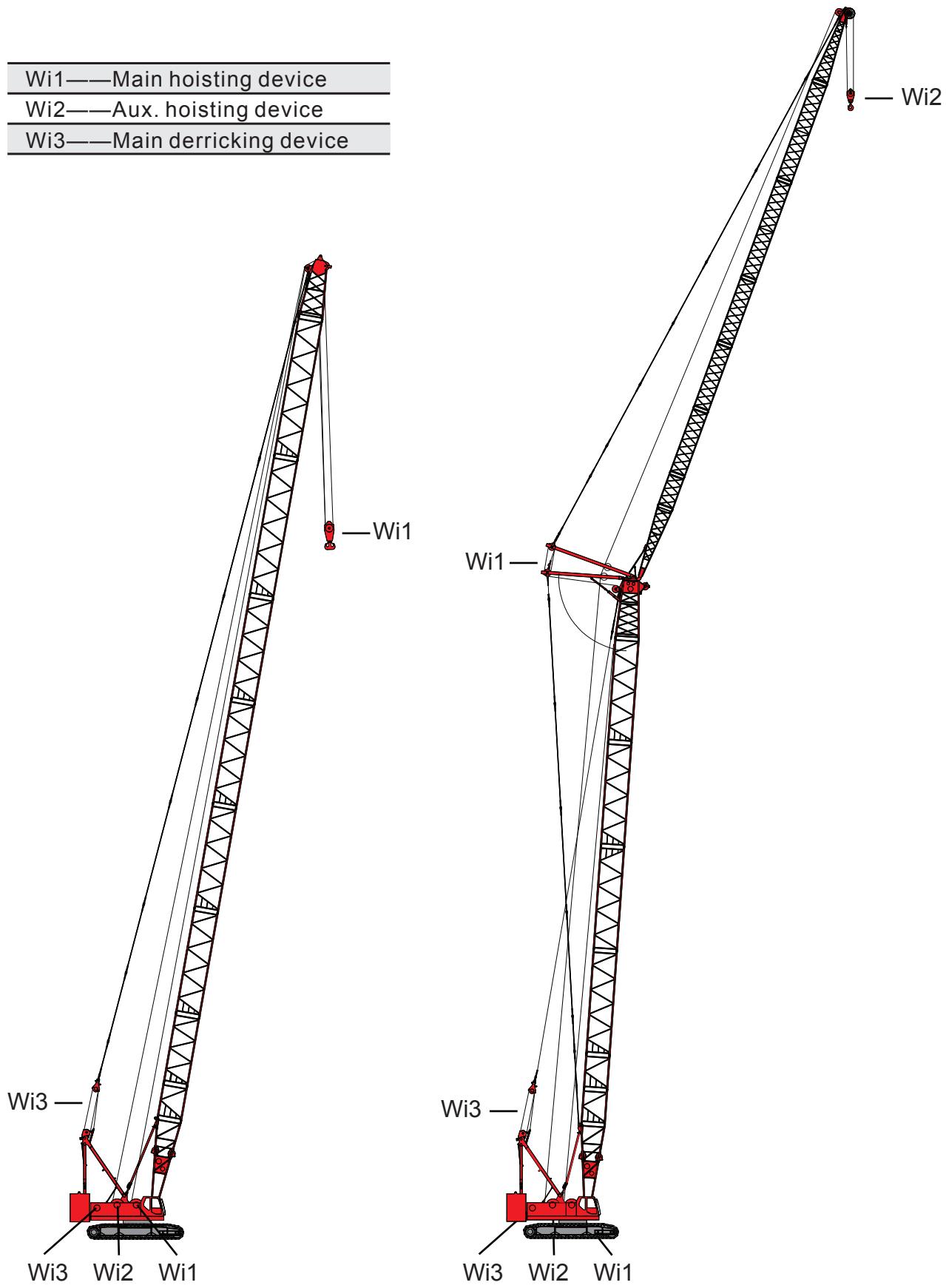
Items		Unit	Data
Max.rated lifting capacity		t	150
Main boom length		m	18.2~81.2
Fly jib length		m	13~31
Main boom+Fly jib max.length		m	69.2~31
Main boom+Luffing jib max.length		m	54.2~52
Boom derrick angle		°	30~80
Hook blocks		t	150/120/50/25/15
Working speed	Main winch hoist/drop (rope dia.Φ 26mm)	m/min	High speed 117 - 142
	Aux. winch hoist/drop (rope dia.Φ 26mm)	m/min	High speed 117 - 142
	Boom hoist/drop (rope dia.Φ 22mm)	m/min	30
	Swing speed	r/min	0~2.3
	Travel speed	km/h	0.63~1.25
Reevings			16
Single pull		t	13.5
Gradeability		%	30
Engine		kW/r/min	209/2000 (Domestic)
Swing radius		mm	5845
Transport dimension		mm	9750 × 3380 × 3580
Crane mass (with basic boom, 150t hook)		t	160
Ground bearing pressure		MPa	0.092
Counterweight		t	64

Overall Dimension



Overall Dimension

Wi1	—Main hoisting device
Wi2	—Aux. hoisting device
Wi3	—Main derrick device



Specifications



Superstructure

Power unit



Model: QSL-9 Imported Electric-control Cummins Diesel Engine

Model: water cooled,direct injection,turbocharger

Displacement: 8.9L

Rated power: 209kw/2100rpm

Max.torque: 1450N.m/1400rpm

Fuel tank capacity: 480L

Hydraulic oil tank capacity: 580L

Hydraulic system



6 pump system, positive flow control, the main pump charged proportional control mode, low-speed mode if proportional valve isn't effective, main/auxiliary hoist with valve outside confluence. Rotary pump with piston pump to improve rotary system pressure, increasing the turning moment. auxiliary system and pilot system are a gear pump. Independent gear pump with independent cooling system, energy-saving design. Hydraulic components parts are used from Kawasaki, Japan.

Operating system



All systems are hydraulic pilot control. right side is winch, derrick and traveling operating handle, left side is operating handle, hand throttle, swing operating handle as well as a variety of operating button. front is foot brake valve and foot throttle.

Electric control

Main parameters such as oil temperature and revolving speed displayed by the monitor screen, new 6-inch large-screen torque limiter with CAN-BUS control. Electronic limit load regulation control ESS controller designed specifically for crawler crane, with one hand while controlling the pump and engine. Electrical control micro-speed function. Swing and traveling alarm. All solenoid valves with manual release function, The HYDAC integrated control hydraulic valve block to centralize relief valve and filter, accumulator elements together. Eaton solenoid valve with international IP67 degree of protection, minimum security failure. Standard air conditioning and CD audio.

Cab



Cab width 920mm, front window is no longer a large curved surface to the ramp in front of the window, the column with the reinforced cross-section design. Air-conditioning, warm air blower, mirrors, wipers and stereo. Large-screen electronic monitoring and torque limiter. Grammer full range of adjustable seats, dry powder fire extinguishers.

Specifications

Main/auxiliary hoisting winch



Pull (first layer) -----Max.208kN

Pull (seventh layer) -----142kN

Wire rope dimension -----φ26mm

Drum diameter-----φ580mm

Average rope speed----- low speed 64m/min; high speed 117m/min

Wire rope length(seventh layer): Main winch 370m; Auxiliary winch 370m.

Main and auxiliary winch salient features: Built-in reducer is a multi-purpose design, either quickly changed to free fall or become power devolution, existing clutch and brake to achieve free fall. Built-in reducer with clutch falling output shaft to connect with belt clutch, belt normally closed brake, Kawasaki special built-in motor reducer .Foot brake valve can control normally closed brake and solenoid valve .Set two operating modes: automatical open lifting mode and free fall mode, interlock between modes, clutch open electric locking device retaining prevent accident. brakes with two modes, one is the automatic braking mode, another is free-fall mode.

Swing mechanism



Drive gear driven by the motor through a planetary reducer, can be rotated 360 ° the dual rotary reducer Front layout, rotary speed 0-2.3 rev / min (continuously variable transmission). The four positions of the stopper pin locking.

Derrickin gwinch



Maximum tensile force: 105kN. Wire rope dimension: φ22mm

Boom from 15° to 80° is 108 seconds with wet brake built-in reducer, double drum luffing mechanism, rope diameter φ22mm, maximum line pull 105kN, a maximum speed 42 m/min, automatic pawl locking. third layer luffing pull $2 \times 92\text{kN} = 184\text{kN}$. Speed 24-26m/min, drum pawl fitted with a protective cover, more secure.

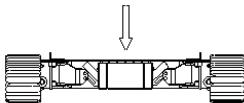
Noise emission

Noise emission in accordance with the outdoor equipment 2000/14/EC.

Counterweights

Rear counterweight is welded structure, weighing about 64 tons: including a 12.5 t basic counterweight, left counterweight 5 pieces, 23 tons in total; Right counterweight 5 pieces, 23 tons in total. Intermediate counterweight 2 pieces, 5.6 tons in total.

Specifications



Undercarriage

Chassis

X-shaped frame structure with high strength plate welding power connected with track frame by means of power pin, which facilitate in fast installation and disassembly.

Central ballast

2 welding counterweights, weighing about 10.2t.each piece about 5.1t, fitted in the front/back of lower frame.

Track roller

Each side has 12 rollers,All track rollers are equipped with copper sleeve,floating seal and wear-resistant lubricating oil.

Outrigger cylinder on lower frame

4 hydraulic jacking cylinder connected to the lower frame for extending / retracting action.

Track shoes

Left and right track mechanism with 108 track shoes, each track shoe width 1100mm.The tension level of the track shoe can be adjusted via hydraulic jacks and adjust the position of the gasket to achieve the desired degree of tension.

Track frame

Independent hydraulic drive system is embedded in the track frame. Each side's hydraulic drive system includes a hydraulic motor through planetary reducer drive the driving wheel. Hydraulic motor and reducer embedded in the track structure does not exceed the track width.

Traveling speed

0.63/1.25km/h

Gradeability

30% (17°)

Specifications



Boom Configurations

Boom main string tube is made of imported high-strength pipe, derrick device with height suspension rope structure, greatly improve payload.

Main boom

Boom is middle section, both ends variable cross-section space frame structure, steel pipe welding. Main boom from 15.2m to 81.2m.

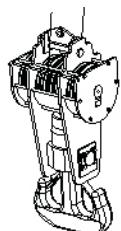
Composing of fly jib

There are two angles on fly jib and main boom: 15°and 30°main boom and fly jib: main boom 39.2 - 69.2m, fly jib 13m - 31m.

Composing of luffing jib

Composing for main boom and luffing jib when main boom elevation angle is 66°, 76° and 86°
 Main boom 24.2 - 54.2m, luffing jib 22m - 52m
 Maximum combination: 54.2m +52 m.

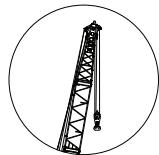
Hook



Types	Max.reevings	Deadweight
150t	16	3.40t
100t	10	1.75t
50t	6	0.75t
25t	3	0.76t
15t	1	0.70t

Symbol

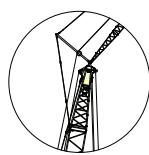
Main boom



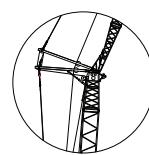
Runner



Fly jib



Luffing jib



Safety Devices

Hook and boom hoist overwind

Hook and boom hoist overwind mechanism is used for preventing crane damage or turnover due to overwind.

Hook hoist overwind

When the hook is lifted up as high as to touch the limit plumb, the microswitch will be activated and disconnected by the restoration of spring, cutting off the control circuit while the buzzer gives audible alarm and the indicator lights up. At the same time, the rise of the hook will stop automatically.

Boom hoist overwind

Boom upper limit angle is sensed and controlled by moment limiter and boom upper limit switch. When lifting, the boom angle reaches the upper limit of 80° or more, the moment limiter gives out visual and audible alarm, and transmits the signal, makes the boom stop rising. At the same time, boom upper limit switch operates, and whose circuit is cut off, and the boom stops rising.

Load indicator light

Three-colour load indicator lights that are as same as traffic signal lights are used to facilitate personnels on the working spot understand load condition, at the same time, interphone is also available for the contact between driver and working men.

Anemoscope

Wind speed sensor on boom top is used for testing wind speed, shown on the moment limiter.

Moment limiter

The limiter can monitor the current load of all working attachments, the data of which can be set by buttons. 0% of rated load moment ≤ load moment < 90% of rated load moment, and the moment limiter proportion bar shows green.

90% of rated load moment ≤ load moment < 100% of rated load moment, and the moment limiter proportion bar shows yellow, at the same time, an intermittent audible alarm sounds.

100% of rated load moment ≤ load moment < 105% of rated load moment, and the moment limiter proportion bar shows red, at the same time, a continuous audible alarm sounds.

Load moment ≥ 105% of rated load moment, and the moment proportion bar shows red, a continuous alarm sounds, at the same time transmits the signal. The main, aux.hook stops rising, boom stops derricking.

Drum, swing brake and locking device

Brake : main/aux.winch brake, derrick winch brake and swing motor brake.

Locking device : main/aux.winch pawl locking device, derrick winch pawl locking device and swing locking device.

Pull sensor and angle sensor

A-frame is equipped with pull sensor for the detection of pull. Main boom foot is equipped with an angle sensor for detecting the angle of the main boom.

Gradienter

Gradienter is used for monitoring angle between crane body and level ground to meet working requirement on the ground.

Angle scale

Mechanical angle scale is fitted at the foot of main boom for displaying boom current angle.

Rope retainer (three and a half rotations protected)

This device is installed to the main and auxiliary hoisting winch to ensure at least three and a half rotations of wire rope be kept on the winch to guarantee safe operation of the machine.

Swing and traveling alarm

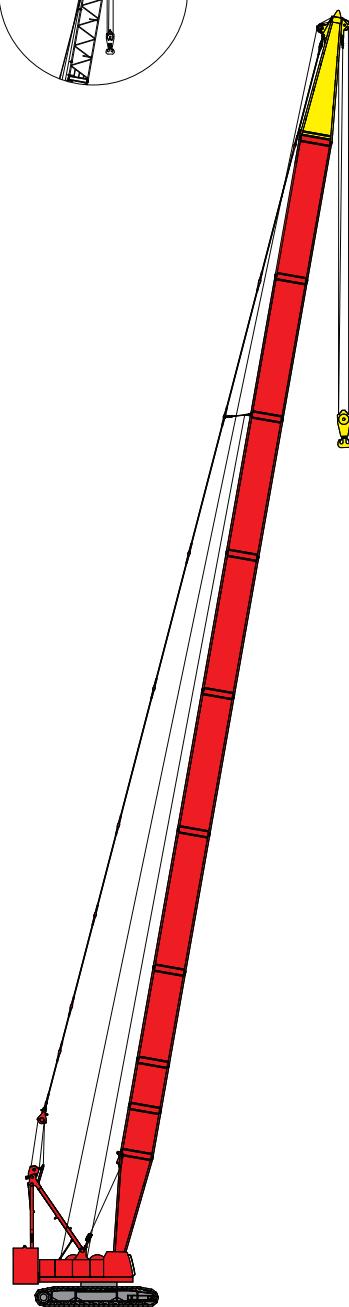
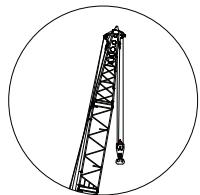
The alarming device can be switched on to remind ambient working personnels of attention when operating traveling, swing hand grip, please notice that another alarm will be switched off as well if one is off.

Machine Configurations

Main boom

Max.lifting capacity:150t×6m

Max.boom length: 81.2m

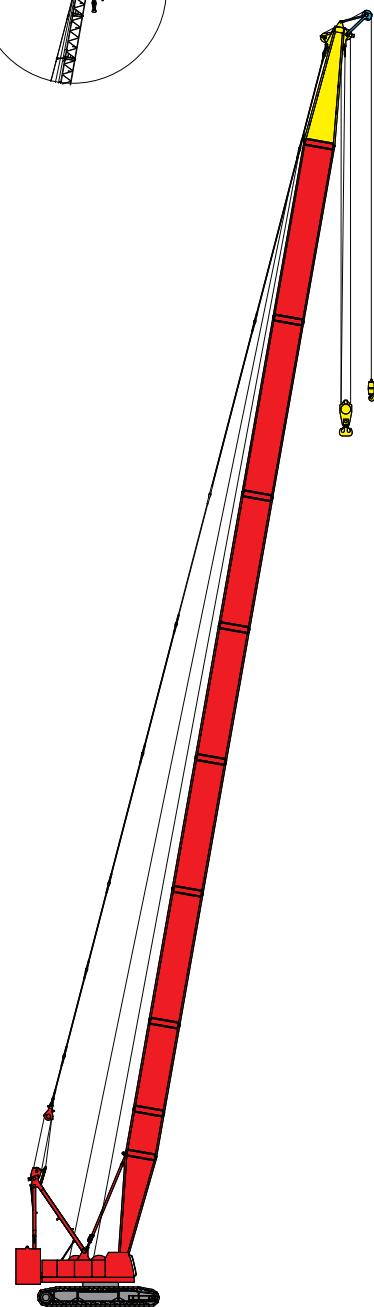
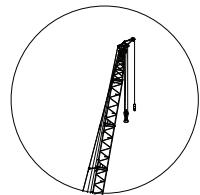


Boom : 15.2m-81.2m

Runner

Max.lifting capacity: 12.5t×36m

Max.boom length: 81.2m

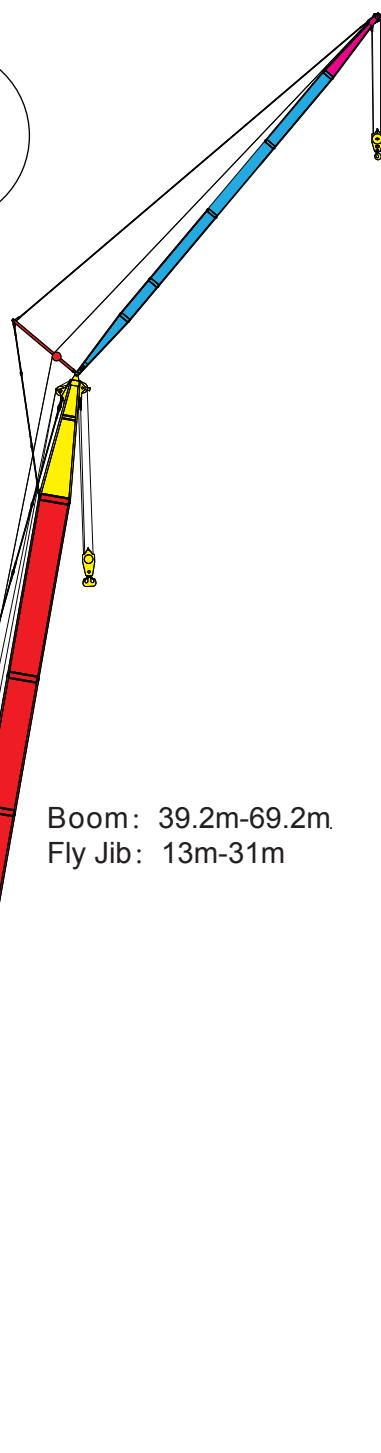
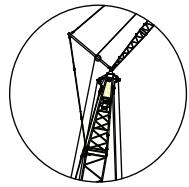


Boom : 21.2m-81.2m

Machine Configurations

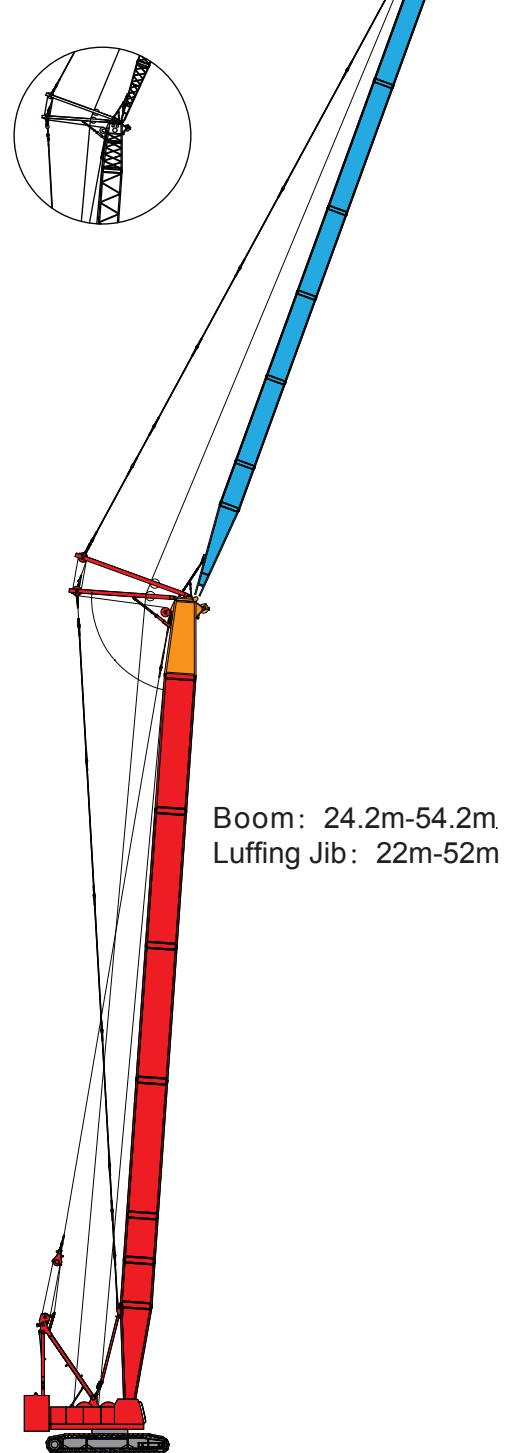
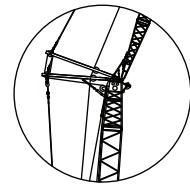
Fly jib

Max.lifting capacity: 22t×20m
Max.combination: 69.2m+31m



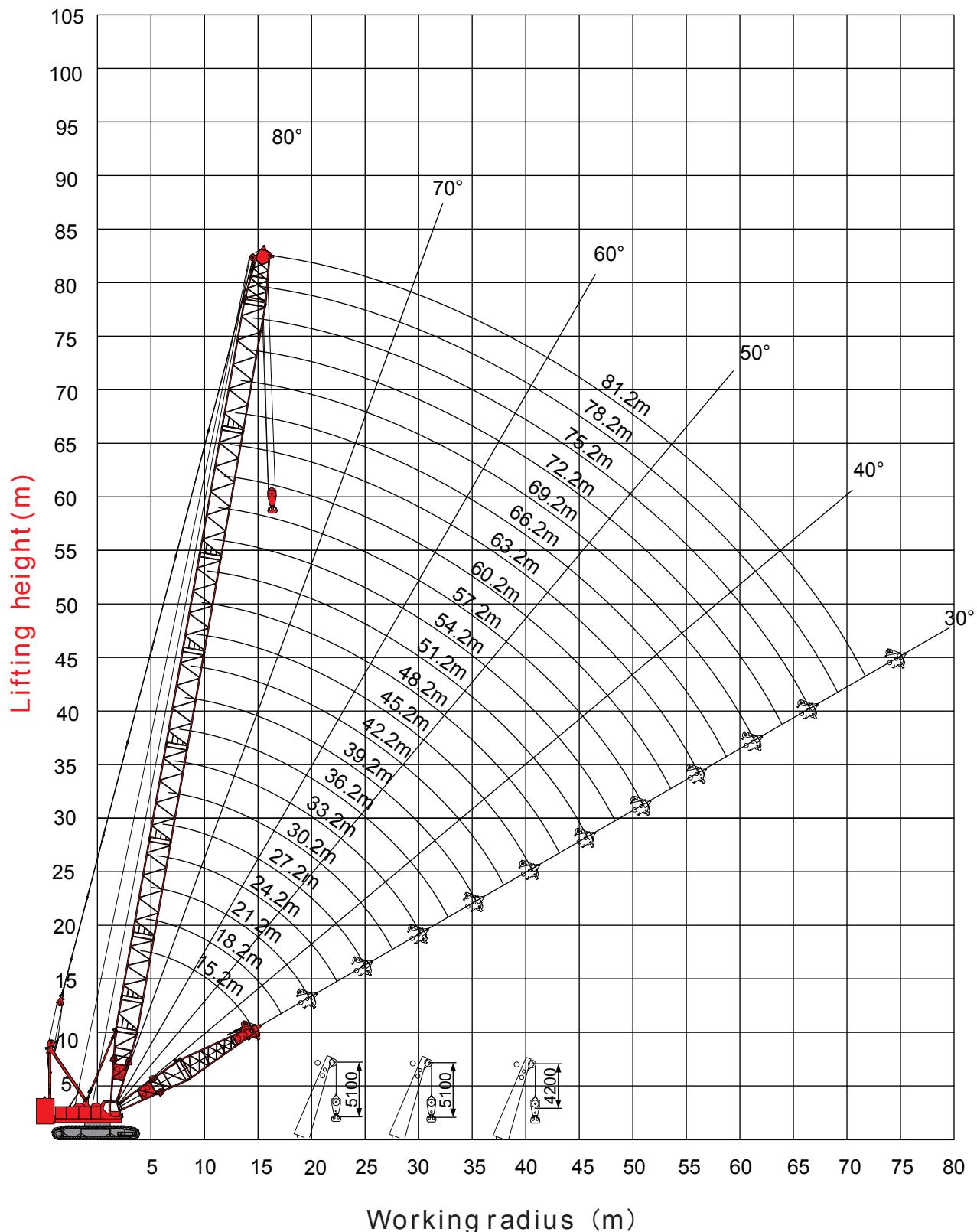
Luffing jib

Max.lifting capacity: 35t×12m
Max.combination: 54.2m+52m



Working Range H

Working range of main boom (H)



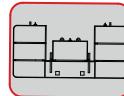
Rated Lifting Capacity Load Chart H



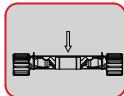
15.2m-81.2m



360°



64t

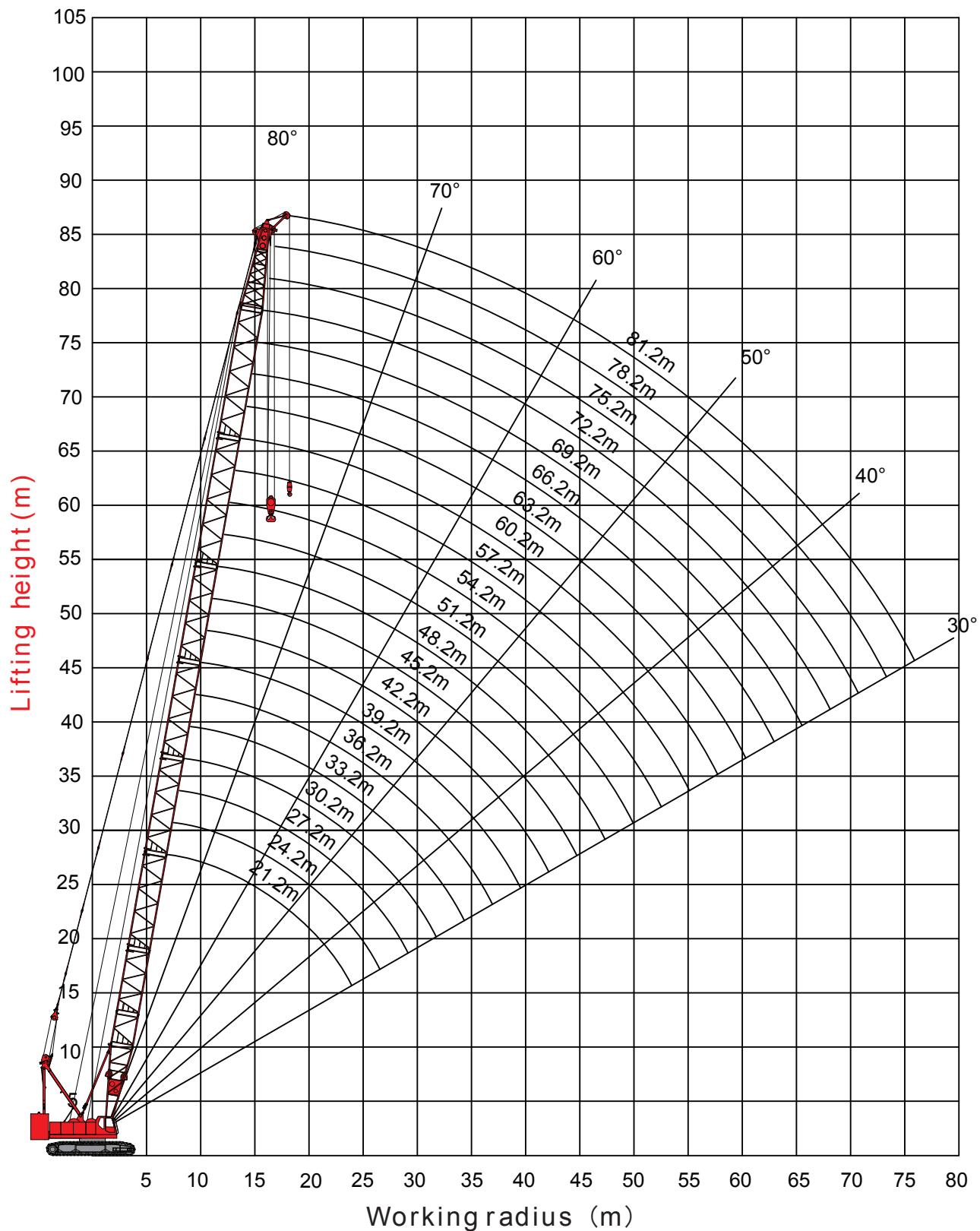


10t

Length Radius \	15.2m	21.2m	27.2m	33.2m	39.2m	45.2m	51.2m	57.2m	63.2m	69.2m	75.2m	81.2m
4.0m	4.6/150											
5.0m	150	5.6/150										
6.0m	150	142.6	6.7/126.0									
7.0m	128.3	123	119.1	7.7/106.4								
8.0m	103.2	102.8	102.4	102	8.7/89.5							
9.0m	90.5	90.1	89.7	88.7	86.1	9.8/74.7						
10.0m	80	79.7	78.7	76.7	74.4	72.6	10.8/63.6					
11.0m	69.9	69.5	69.2	67.5	65.5	63.9	62.3	11.9/52.3				
12.0m	61.9	61.6	61.3	60.1	58.4	57	55.6	52.1	12.9/42.2			
13.0m	55.6	55.2	54.9	54.2	52.7	51.4	50.2	48.5	42.1	14.0/34.0		
14.0m	50.3	50	49.6	49.2	47.9	46.8	45.6	44.1	41.2	33.9	15.0/27.0	
15.0m	48.6/46.7	45.6	45.2	44.8	43.9	42.9	41.8	40.4	39.3	33.1	27	
16.0m		41.9	41.5	41.1	40.5	39.5	38.6	37.3	36.2	32.3	26.4	16.0/21.3
18.0m		35.9	35.6	35.1	34.8	34.1	33.3	32.1	31.2	29.9	25.2	20.3
20.0m		31.4	31	30.6	30.3	30	29.1	28.1	27.3	26.2	24.2	19.3
22.0m			27.4	26.9	26.6	26.3	25.8	24.9	24.1	23.1	22.5	18.6
24.0m			24.4	24	23.7	23.4	23	22.3	21.5	20.6	20	17.8
26.0m			25.2/22.9	21.5	21.2	20.9	20.6	20.1	19.4	18.5	17.9	17.1
28.0m				19.5	19.2	18.9	18.5	18.1	17.5	16.7	16.1	15.5
30.0m				17.7	17.4	17.1	16.7	16.3	15.9	15.1	14.6	14
34.0m					14.6	14.3	13.9	13.5	13.1	12.6	12.1	11.5
38.0m						12.1	11.7	11.3	10.9	10.5	10.1	9.6
42.0m							10	9.6	9.1	8.7	8.4	8
46.0m							8.6	8.1	7.7	7.3	7	6.6
50.0m								6.9	6.5	6.1	5.8	5.4
54.0m									5.5	5.1	4.8	4.4
58.0m										4.3	3.9	3.5
62.0m										61.6/3.6	3.2	2.8
66.0m											2.5	2.1
70.0m												1.6

Working Range HR

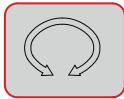
Working range of runner (HR)



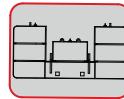
Rated Lifting Capacity Load Chart HR



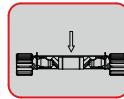
21.2m-81.2m



360°



64t

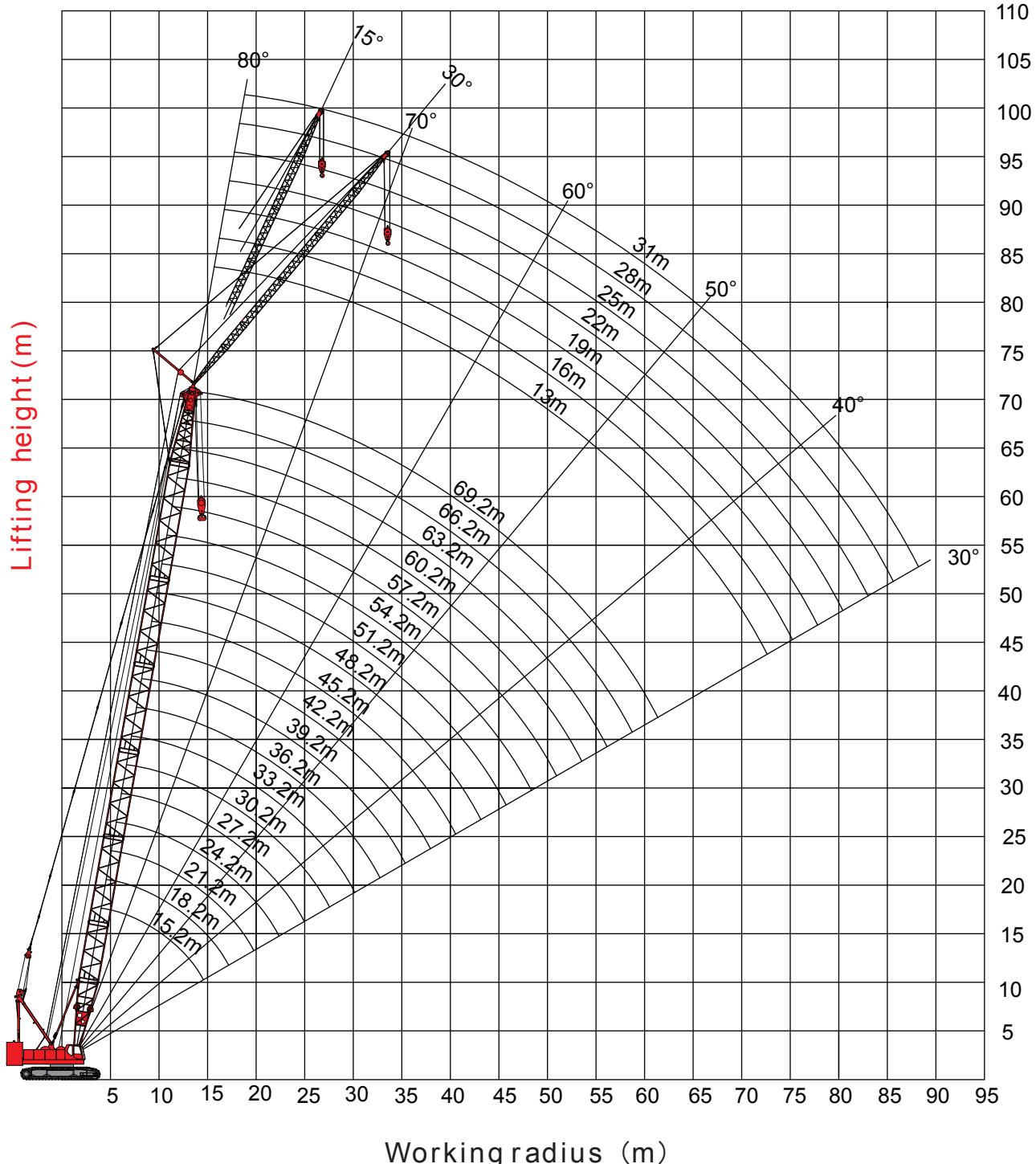


10t

Radius \ Length	21.2m	27.2m	33.2m	39.2m	45.2m	51.2m	57.2m	63.2m	69.2m	75.2m	81.2m
6.0m	6.9/12.5										
7.0m	12.5										
8.0m	12.5	8.1/12.5									
9.0m	12.5	12.5	9.1/12.5								
10.0m	12.5	12.5	12.5	10.1/12.5	11.1/12.5						
12.0m	12.5	12.5	12.5	12.5	12.5	12.1/12.5	13.2/12.5				
14.0m	12.5	12.5	12.5	12.5	12.5	12.5	12.5	14.2/12.5	15.3/12.5		
16.0m	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	16.3/12.5	17.3/12.5	
18.0m	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
20.0m	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
22.0m	21.8/12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
24.0m		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
26.0m		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
28.0m		27.0/12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
30.0m			12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
32.0m			12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.0
34.0m			32.2/12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	11.0
36.0m				12.5	12.5	12.5	12.5	12.3	11.9	11.6	10.1
38.0m				37.4/12.7	12.2	11.8	11.5	11.2	10.8	10.5	9.3
40.0m					11.3	10.9	10.6	10.3	9.9	9.6	8.5
42.0m					10.4	10.0	9.7	9.4	9.0	8.7	7.7
44.0m					42.6/10.1	9.3	9.0	8.7	8.3	8.0	7.0
46.0m						8.6	8.3	8.0	7.6	7.3	6.3
48.0m						47.8/8.0	7.7	7.3	7.0	6.7	5.7
50.0m							7.1	6.8	6.4	6.1	5.0
52.0m							6.6	6.3	5.9	5.6	4.4
54.0m							53.0/6.3	5.8	5.4	5.1	3.9
56.0m								5.3	5.0	4.6	3.3
58.0m								4.9	4.6	4.2	2.8
60.0m								58.2/4.9	4.2	3.9	2.3

Working Range HF

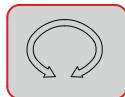
Working range of fly jib(HF)



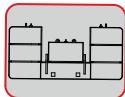
Rated Lifting Capacity Load Chart HF



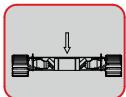
39.2m-69.2m

15°-30°
13m-31m

360°



64t

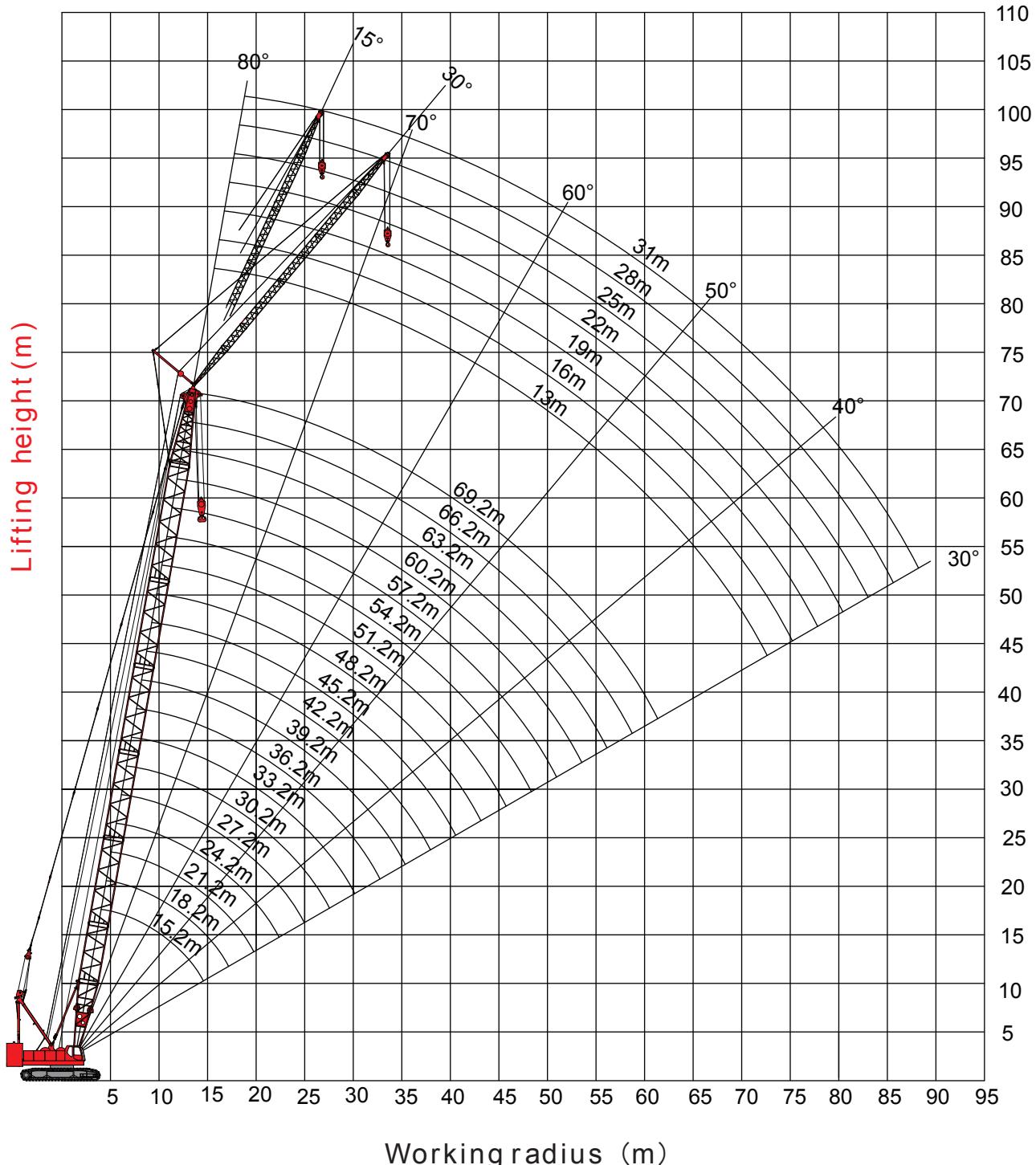


10t

Main boom length	39.2m								42.2m									
	Fly jib length		13.0m		19.0m		25.0m		31.0m		13.0m		19.0m		25.0m		31.0m	
Fly jib angle	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°
14.0m	22.0								22.0									
16.0m	22.0								22.0									
18.0m	22.0	21.5	15.6						22.0	21.6	15.7							
20.0m	22.0	21.3	15.2	10.2					22.0	21.3	15.3	10.3						
22.0m	20.3	20.7	14.8	13.1	9.9		6.4		20.1	20.6	15.0	13.2	10.0		6.4			
24.0m	18.1	18.4	14.5	12.9	9.6		6.1		18.0	18.3	14.6	13.0	9.7		6.2			
26.0m	16.3	16.6	14.2	12.7	9.3	8.0	5.8		16.2	16.5	14.3	12.7	9.4	8.0	5.9			
28.0m	14.8	15.1	13.8	12.5	9.1	7.8	5.6		14.6	14.9	14.0	12.5	9.2	7.9	5.7			
30.0m	13.5	13.7	13.6	12.3	8.8	7.6	5.4	4.4	13.3	13.6	13.6	12.4	8.9	7.7	5.5	4.4		
32.0m	12.4	12.6	12.7	12.1	8.6	7.5	5.2	4.2	12.2	12.5	12.5	12.2	8.7	7.5	5.3	4.3		
34.0m	11.4	11.7	11.7	12.0	8.3	7.3	5.0	4.1	11.3	11.5	11.5	11.8	8.5	7.4	5.1	4.1		
36.0m	10.6	10.9	10.8	11.1	8.1	7.2	4.8	4.0	10.4	10.7	10.7	10.9	8.3	7.3	4.9	4.0		
38.0m	9.8	10.1	10.0	10.9	7.9	7.1	4.6	3.8	9.6	10.0	9.9	9.8	8.1	7.1	4.7	3.9		
40.0m	9.1	9.3	9.4	10.6	7.7	7.0	4.5	3.7	9.0	9.4	9.2	9.1	7.9	7.0	4.6	3.8		
42.0m	8.9	8.5	8.7	9.9	7.5	6.7	4.3	3.6	8.3	8.6	8.6	8.6	7.7	6.9	4.4	3.7		
44.0m	8.3		8.2	9.3	7.4	6.6	4.2	3.5	8.1	8.2	8.0	8.1	7.5	6.7	4.3	3.6		
46.0m	7.9		7.7	9.0	7.2	6.5	4.0	3.5	7.7	7.9	7.5	7.8	7.4	6.6	4.1	3.5		
48.0m	7.5		7.2	8.4	7.1	6.4	3.9	3.4	7.3		7.0	7.5	7.2	6.5	4.0	3.2		
50.0m	7.1		6.8		6.9	6.4	3.8	3.1	6.9		6.6	7.2	6.8	6.4	3.9	3.1		
52.0m			6.4		6.7	6.3	3.6	3.0	6.4		6.2		6.4	6.4	3.8	3.1		
54.0m					5.9	6.3	3.5	2.9			5.8		6.1	6.3	3.6	3.0		
56.0m					5.5	6.4	3.4	2.9			5.4		5.8	6.1	3.5	2.9		
58.0m						6.4	3.1	2.8			5.0		5.5		3.4	2.8		
60.0m						6.3	3.0	2.8					5.2		3.2	2.7		
62.0m						6.3	3.0	2.7					4.9		3.1	2.6		
64.0m							2.9						4.6		3.0	2.5		
66.0m							2.8								2.9			
68.0m							2.8									2.8		

Working Range HF

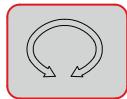
Working range of fly jib(HF)



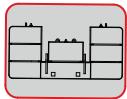
Rated Lifting Capacity Load Chart HF



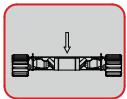
39.2m-69.2m

15°, 30°
13m-31m

360°



64t

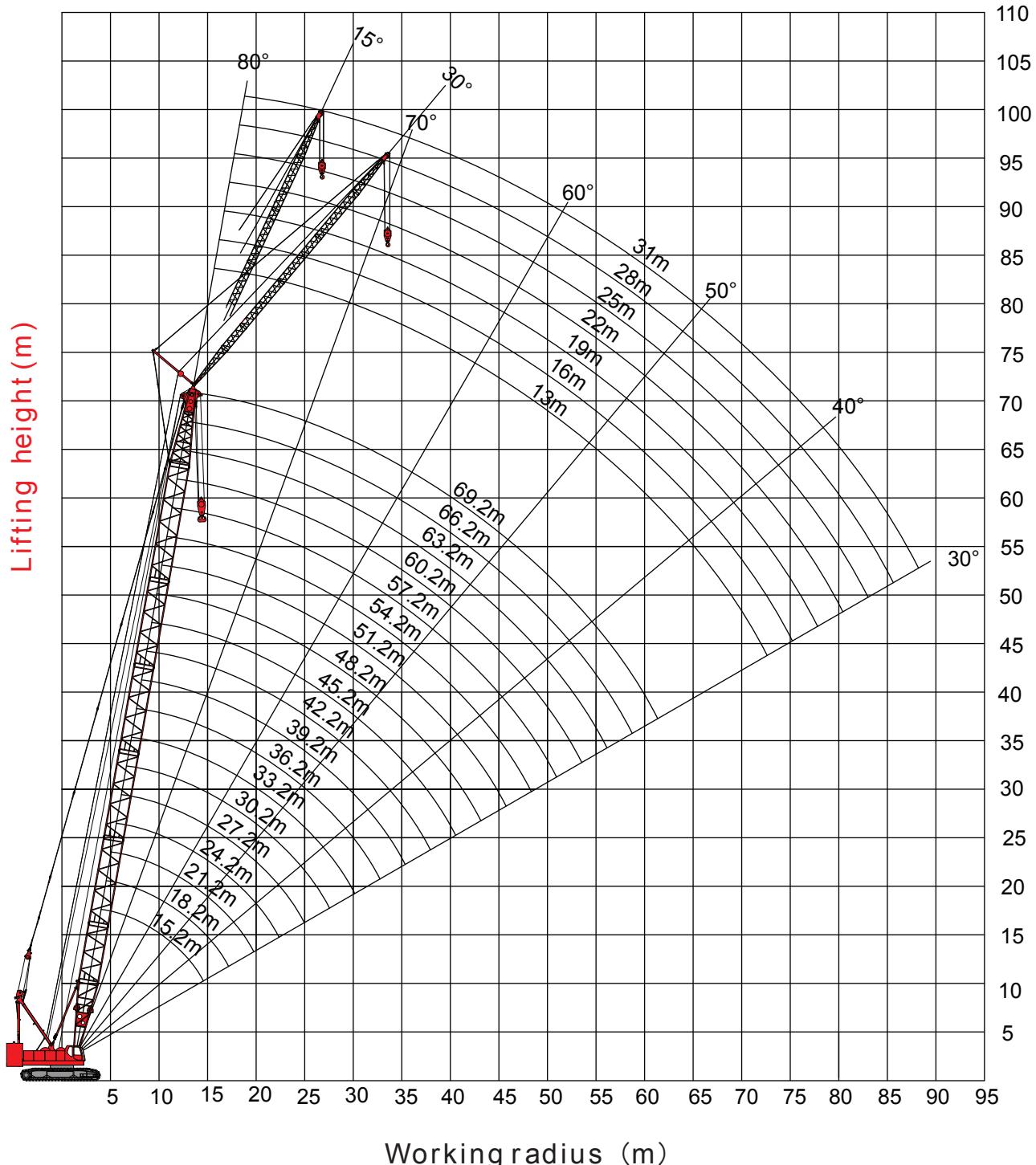


10t

Main boom length	45.2m								48.2m								
	Fly jib length		13.0m		19.0m		25.0m		31.0m		13.0m		19.0m		25.0m		31.0m
Fly jib angle	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	
16.0m	22.0								22.0								
18.0m	22.0		15.8						22.0								
20.0m	22.0	21.4	15.4		10.4				22.0	20.6	15.5						
22.0m	20.0	20.5	15.1		10.1		6.5		19.9	19.9	15.2		10.2				
24.0m	17.9	18.3	14.8	13.0	9.8		6.3		17.7	18.2	14.9	13.1	9.9		6.3		
26.0m	16.1	16.4	14.5	12.8	9.6		6.0		15.9	16.3	14.6	12.9	9.7		6.1		
28.0m	14.5	14.9	14.2	12.6	9.3	7.9	5.8		14.4	14.8	14.3	12.7	9.4	8.0	5.9		
30.0m	13.2	13.5	13.5	12.5	9.1	7.8	5.6	4.4	13.1	13.4	13.4	12.5	9.2	7.8	5.7	4.5	
32.0m	12.1	12.4	12.4	12.3	8.8	7.6	5.4	4.3	12.0	12.3	12.3	12.4	8.9	7.7	5.5	4.3	
34.0m	11.1	11.4	11.4	11.8	8.6	7.5	5.2	4.2	11.0	11.3	11.3	11.7	8.7	7.5	5.3	4.2	
36.0m	10.3	10.6	10.6	10.9	8.4	7.3	5.0	4.1	10.2	10.5	10.4	10.8	8.5	7.4	5.1	4.1	
38.0m	9.5	9.9	9.8	10.1	8.2	7.2	4.8	4.0	9.4	9.8	9.7	10.0	8.3	7.3	4.9	4.0	
40.0m	8.8	9.2	9.1	9.7	8.0	7.1	4.7	3.8	8.7	9.1	9.0	9.3	8.1	7.2	4.8	3.9	
42.0m	8.2	8.6	8.5	9.0	7.8	7.0	4.5	3.7	8.1	8.5	8.4	8.8	7.9	7.1	4.6	3.8	
44.0m	7.7	8.0	7.9	8.5	7.7	6.9	4.4	3.7	7.6	8.0	7.8	8.3	7.8	6.9	4.5	3.7	
46.0m	7.3	7.4	7.4	7.9	7.5	6.7	4.2	3.6	7.1	7.5	7.3	7.8	7.5	6.7	4.3	3.6	
48.0m	7.0	6.8	7.0	7.3	7.1	6.6	4.1	3.5	6.6	7.1	6.8	7.3	7.0	6.6	4.2	3.5	
50.0m	6.7		6.6	6.8	6.7	6.5	4.0	3.4	6.2	6.7	6.4	6.9	6.6	6.5	4.1	3.5	
52.0m	6.4		6.2	6.3	6.3	6.5	3.9	3.3	5.8		6.0	6.5	6.2	6.3	4.0	3.4	
54.0m	6.1		5.8		6.0	6.4	3.7	3.2	5.4		5.6	6.2	5.8	6.2	3.8	3.3	
56.0m			5.4		5.7	6.3	3.6	3.1	5.1		5.3		5.5	6.1	3.7	3.2	
58.0m			5.0		5.4	6.2	3.5	3.1	4.8		5.0		5.2	6.0	3.6	3.1	
60.0m			4.6		5.1	6.1	3.5	3.0			4.7		5.0	5.9	3.5	3.0	
62.0m			4.2		4.8	6.0	3.2	2.9			4.4		4.8	5.8	3.3	2.9	
64.0m					4.5		3.1	2.8			4.1		4.6		3.2	2.8	
66.0m					4.2		3.0	2.7					4.4		3.2	2.7	
68.0m					3.9		2.9						4.2		3.1	2.6	

Working Range HF

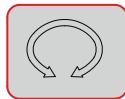
Working range of fly jib(HF)



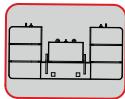
Rated Lifting Capacity Load Chart HF



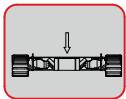
39.2m-69.2m

15°-30°
13m-31m

360°



64t

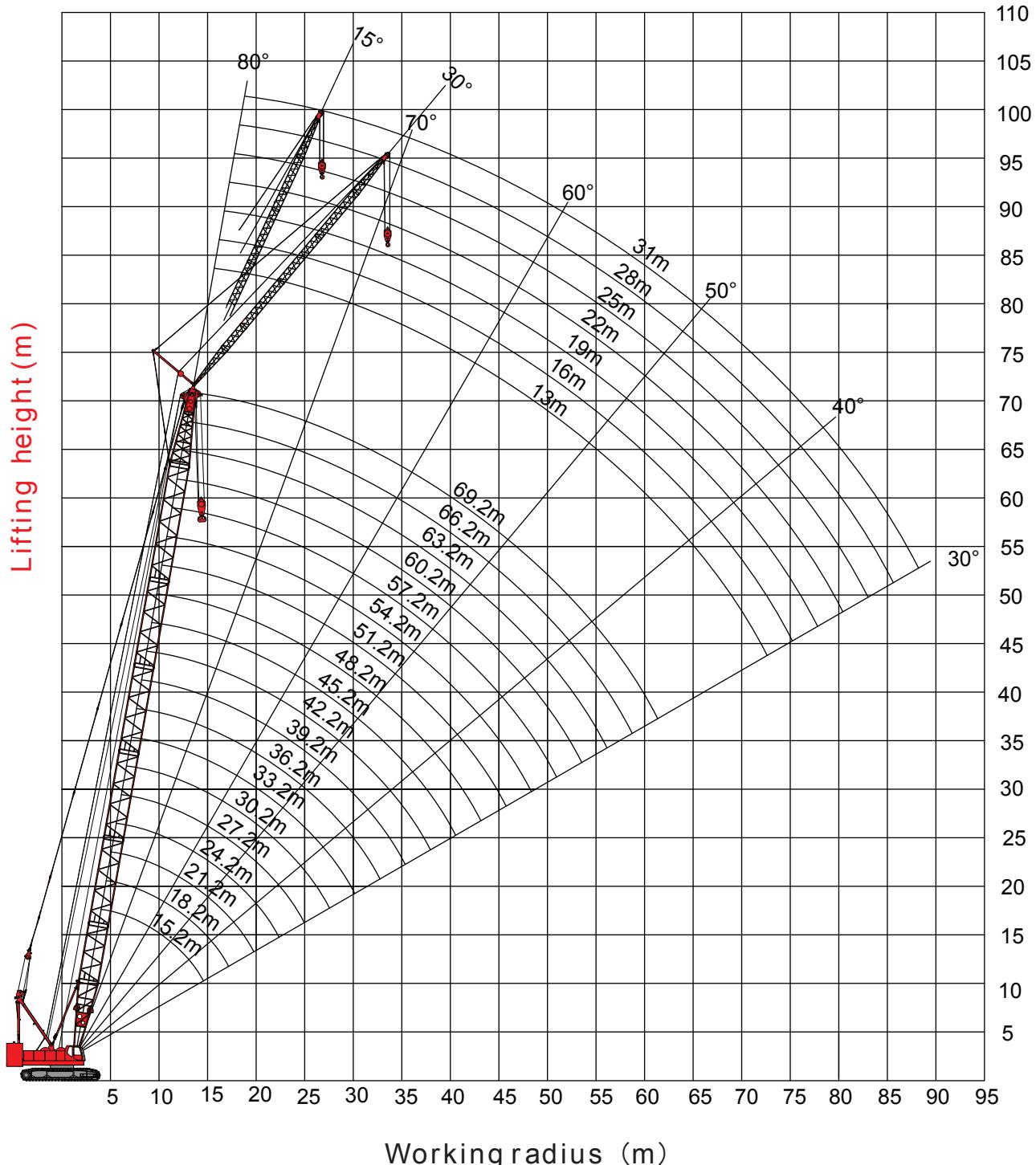


10t

Main boom length	51.2m								54.2m							
	13.0m		19.0m		25.0m		31.0m		13.0m		19.0m		25.0m		31.0m	
Fly jib length	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°
16.0m	22.0								21.5							
18.0m	22.0															
20.0m	22.0	19.1	15.6						20.5	17.8	15.7					
22.0m	19.8	18.4	15.3		10.3				19.6	17.1	15.4		10.4			
24.0m	17.6	17.7	15.0	13.1	10.0		6.4		17.5	16.5	15.1	13.2	10.1		6.5	
26.0m	15.8	16.2	14.7	12.9	9.8		6.2		15.7	15.8	14.8	13.0	9.8		6.2	
28.0m	14.3	14.6	14.4	12.8	9.5	8.0	6.0		14.2	14.5	14.5	12.8	9.6	8.1	6.0	
30.0m	13.0	13.3	13.3	12.6	9.3	7.9	5.7		12.9	13.2	13.2	12.7	9.4	7.9	5.8	
32.0m	11.8	12.1	12.2	12.4	9.0	7.7	5.6	4.4	11.7	12.1	12.1	12.5	9.1	7.8	5.6	4.4
34.0m	10.9	11.1	11.2	11.6	8.8	7.6	5.4	4.3	10.8	11.0	11.1	11.5	8.9	7.6	5.4	4.3
36.0m	10.0	10.2	10.3	10.7	8.6	7.5	5.2	4.1	9.9	10.2	10.2	10.6	8.7	7.5	5.3	4.2
38.0m	9.2	9.6	9.5	9.9	8.4	7.3	5.0	4.0	9.1	9.4	9.4	9.8	8.5	7.4	5.1	4.1
40.0m	8.6	8.9	8.8	9.1	8.2	7.2	4.9	3.9	8.4	8.8	8.7	9.0	8.4	7.3	4.9	4.0
42.0m	7.9	8.3	8.2	8.5	8.1	7.1	4.7	3.8	7.8	8.2	8.1	8.5	8.2	7.2	4.8	3.9
44.0m	7.4	7.8	7.7	8.1	7.8	7.0	4.6	3.8	7.3	7.6	7.5	8.1	7.7	7.1	4.7	3.8
46.0m	6.9	7.3	7.1	7.7	7.3	6.9	4.4	3.7	6.8	7.1	7.0	7.5	7.2	7.0	4.5	3.7
48.0m	6.4	6.8	6.7	7.2	6.9	6.8	4.3	3.6	6.3	6.7	6.6	7.1	6.8	6.9	4.4	3.6
50.0m	5.9	6.4	6.3	6.7	6.4	6.6	4.2	3.5	5.9	6.3	6.1	6.6	6.3	6.7	4.3	3.6
52.0m	5.5	6.0	5.9	6.3	6.0	6.4	4.1	3.4	5.5	5.9	5.8	6.2	5.9	6.5	4.1	3.5
54.0m	5.1		5.5	5.9	5.7	6.2	3.9	3.2	5.1	5.5	5.4	5.8	5.6	6.3	4.0	3.4
56.0m	4.7		5.1	5.6	5.3	6.0	3.8	3.1	4.7		5.1	5.4	5.2	6.1	3.9	3.3
58.0m	4.4		4.8	5.3	5.0	5.8	3.7	3.0	4.3		4.8	5.0	4.9	5.9	3.8	3.2
60.0m	4.1		4.5		4.8	5.6	3.6	3.0	3.9		4.5	4.6	4.6	5.7	3.7	3.1
62.0m			4.2		4.6	5.4	3.4	2.9	3.6		4.2		4.3	5.5	3.5	3.0
64.0m			4.0		4.4	5.3	3.3	2.9	3.3		3.9		4.0	5.4	3.4	2.9
66.0m			3.8		4.2	5.2	3.2	2.8	3.6		3.7		5.1	3.3	2.8	
68.0m					4.0		3.1	2.8			3.3		3.4		3.3	2.7

Working Range HF

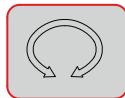
Working range of fly jib(HF)



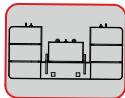
Rated Lifting Capacity Load Chart HF



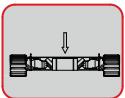
39.2m-69.2m

13m-31m
15°-30°

360°



64t

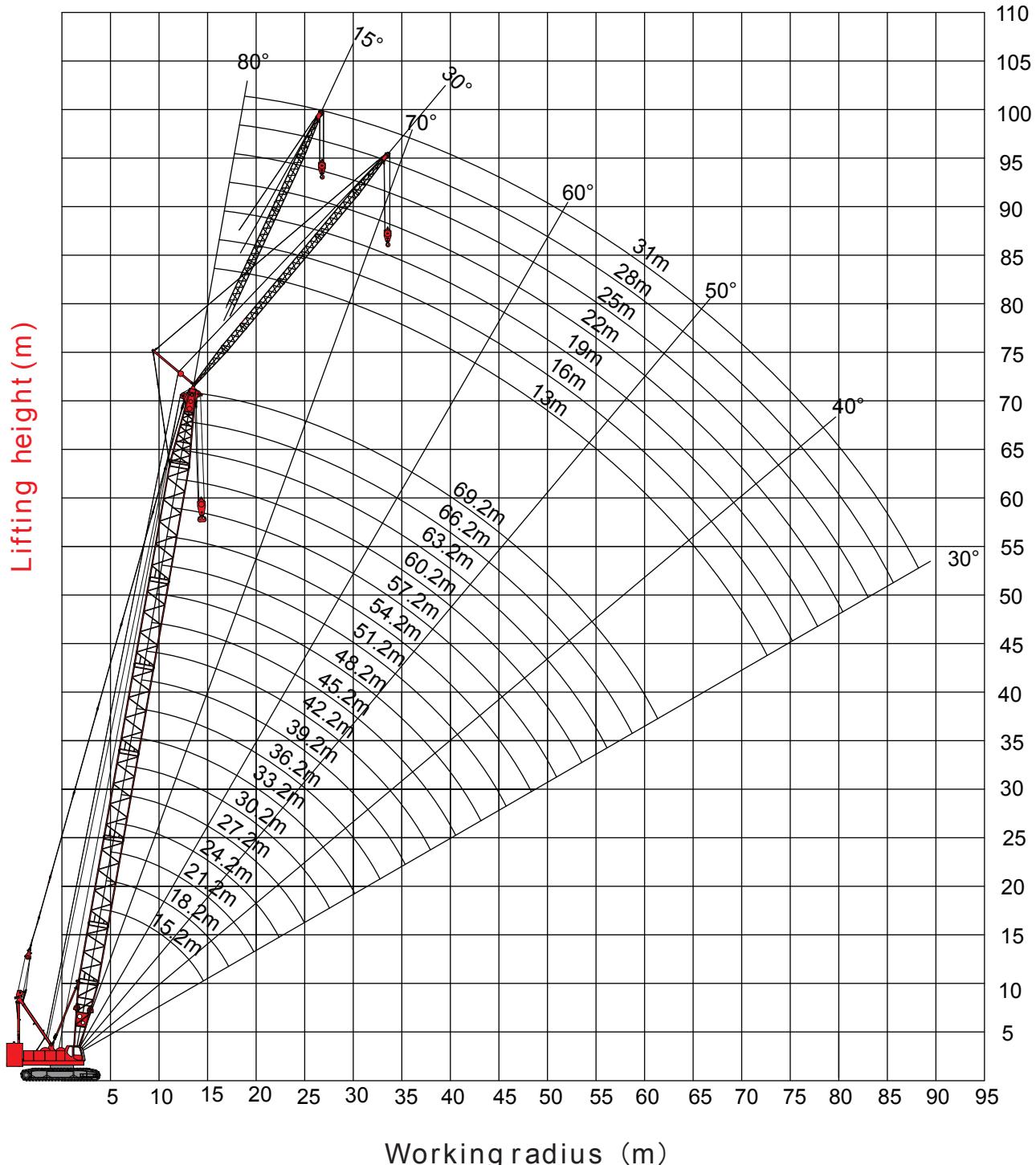


10t

Main boom length	57.2m								60.2m							
	13.0m		19.0m		25.0m		31.0m		13.0m		19.0m		25.0m		31.0m	
Fly jib length	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°
18.0m	19.9								18.4							
20.0m	19.0		15.8						17.5							
22.0m	18.1	15.9	15.5		10.4				16.7	14.6	15.1					
24.0m	17.2	15.3	15.2		10.2		6.5		15.9	14.1	14.4		10.2			
26.0m	15.6	14.6	14.9	12.9	9.9		6.3		15.1	13.5	13.8	11.8	10.0		6.4	
28.0m	14.0	14.0	14.4	12.4	9.7		6.1		13.9	12.9	13.2	11.5	9.8		6.2	
30.0m	12.7	13.1	13.1	12.0	9.5	7.9	5.9		12.6	12.3	12.6	11.0	9.6	8.0	6.0	
32.0m	11.6	11.9	11.9	11.5	9.2	7.8	5.7	4.4	11.5	11.7	11.8	10.6	9.3	7.9	5.8	
34.0m	10.6	10.9	10.9	11.1	9.0	7.7	5.5	4.3	10.5	10.8	10.8	10.2	9.1	7.7	5.6	4.4
36.0m	9.8	10.0	10.1	10.5	8.8	7.6	5.4	4.2	9.6	9.9	9.9	9.7	8.9	7.6	5.4	4.3
38.0m	9.0	9.3	9.3	9.7	8.7	7.4	5.2	4.1	8.9	9.1	9.2	9.3	8.8	7.5	5.3	4.2
40.0m	8.3	8.7	8.6	8.9	8.5	7.3	5.0	4.0	8.2	8.4	8.5	8.8	8.6	7.4	5.1	4.1
42.0m	7.7	8.0	8.0	8.3	8.2	7.2	4.9	3.9	7.6	7.9	7.8	8.2	8.1	7.3	5.0	4.0
44.0m	7.1	7.5	7.4	7.7	7.6	7.1	4.7	3.8	7.0	7.3	7.3	7.6	7.5	7.2	4.8	3.9
46.0m	6.6	7.0	6.9	7.3	7.1	7.0	4.6	3.8	6.5	6.8	6.8	7.0	7.0	7.1	4.7	3.8
48.0m	6.2	6.5	6.4	6.9	6.6	6.9	4.5	3.7	6.0	6.3	6.3	6.5	6.5	6.9	4.6	3.7
50.0m	5.8	6.1	6.0	6.5	6.2	6.5	4.4	3.6	5.6	5.9	5.9	6.1	6.1	6.4	4.4	3.6
52.0m	5.4	5.7	5.6	6.0	5.8	6.2	4.2	3.5	5.2	5.5	5.5	5.7	5.7	6.1	4.3	3.6
54.0m	5.0	5.3	5.3	5.7	5.5	6.0	4.1	3.5	4.9	5.1	5.1	5.3	5.3	5.8	4.2	3.5
56.0m	4.6	4.9	4.9	5.3	5.1	5.6	4.0	3.4	4.5	4.7	4.8	5.0	5.0	5.5	4.1	3.4
58.0m	4.2		4.6	4.9	4.8	5.3	3.9	3.2	4.1	4.3	4.5	4.6	4.7	5.1	4.0	3.3
60.0m	3.8		4.2	4.5	4.5	4.9	3.8	3.1	3.7		4.2	4.3	4.4	4.8	3.9	3.2
62.0m	3.4		3.8	4.1	4.2	4.6	3.6	3.0	3.3		3.9	4.0	4.1	4.5	3.7	3.1
64.0m	3.0		3.4		3.9	4.3	3.5	2.9	2.9		3.6	3.7	3.8	4.2	3.6	3.0
66.0m	2.6		3.1		3.6	4.0	3.4	2.8	2.6		3.3		3.5	3.9	3.5	2.9
68.0m			2.8		3.3	3.7	3.3	2.7	2.3		3.0		3.2	3.6	3.4	2.8

Working Range HF

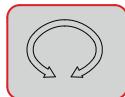
Working range of fly jib(HF)



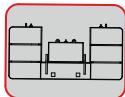
Rated Lifting Capacity Load Chart HF



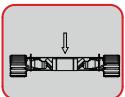
39.2m-69.2m

15°-30°
13m-31m

360°



64t

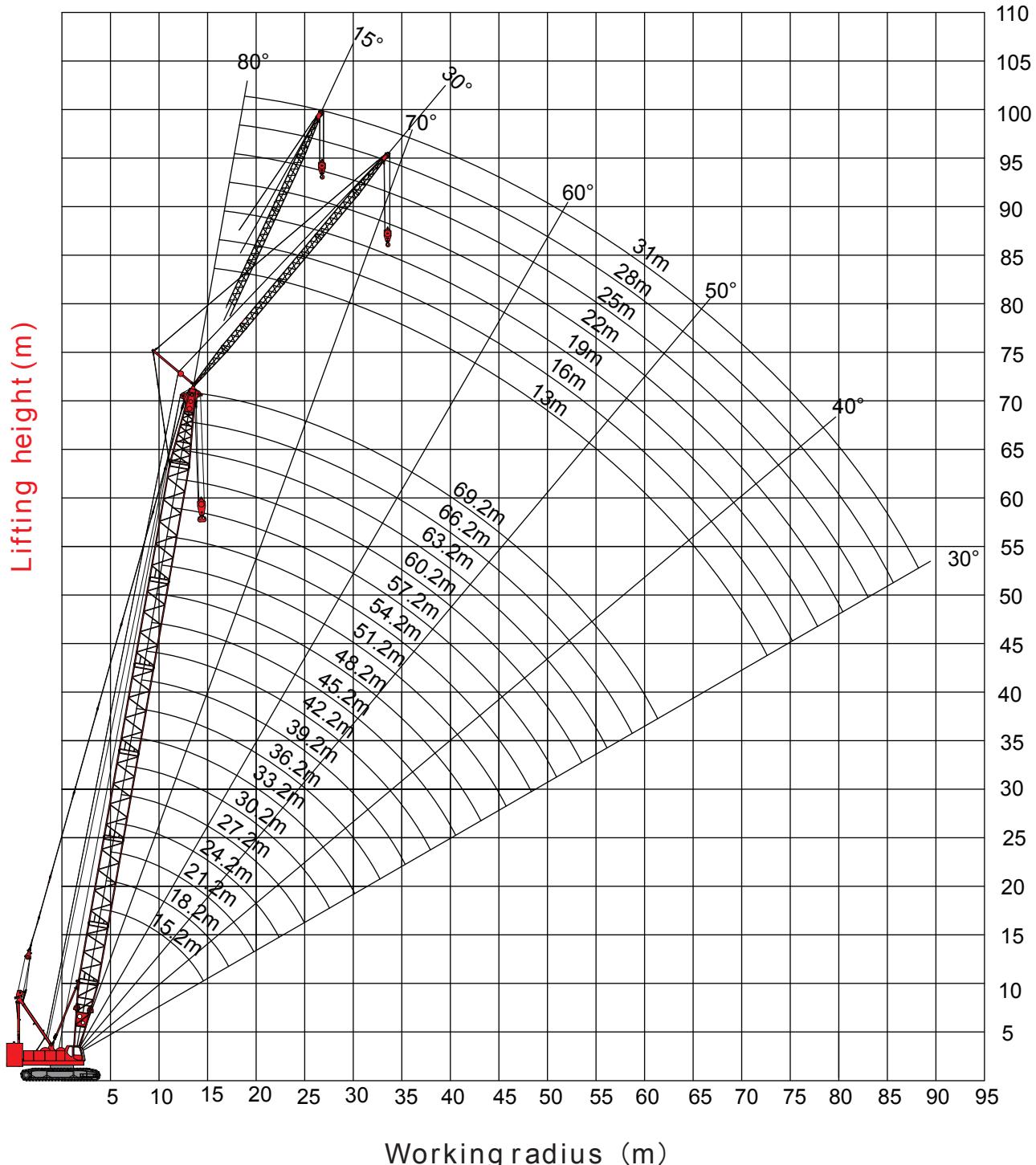


10t

Main boom length	63.2m								66.2m							
	Fly jib length 13.0m 15.0° 30.0°		19.0m 15.0° 30.0°		25.0m 15.0° 30.0°		31.0m 15.0° 30.0°		13.0m 15.0° 30.0°		19.0m 15.0° 30.0°		25.0m 15.0° 30.0°		31.0m 15.0° 30.0°	
18.0m	17.0							14.9								
20.0m	16.2															
22.0m	15.5	13.6	13.9					14.2	12.5	12.8						
24.0m	14.7	13.0	13.3	10.3				13.5	12.0	12.2	10.4					
26.0m	14.0	12.5	12.8	11.0	10.1		6.4	12.8	11.5	11.7	10.1	10.1		6.5		
28.0m	13.3	12.0	12.2	10.6	9.9	6.2		12.1	11.0	11.1	9.7	9.9		6.3		
30.0m	12.5	11.4	11.6	10.2	9.6	8.0	6.0	11.5	10.4	10.6	9.4	9.7	8.1	6.1		
32.0m	11.4	10.9	11.1	9.8	9.4	7.9	5.9	10.8	9.9	10.1	9.0	9.4	7.9	5.9		
34.0m	10.4	10.4	10.5	9.4	9.2	7.8	5.7	4.4	10.3	9.5	9.6	8.6	9.0	7.8	5.7	4.4
36.0m	9.5	9.8	9.8	9.0	9.0	7.7	5.5	4.3	9.4	9.0	9.1	8.2	8.5	7.6	5.6	4.3
38.0m	8.8	9.0	9.1	8.6	8.8	7.5	5.3	4.2	8.6	8.5	8.6	7.8	8.1	7.3	5.4	4.2
40.0m	8.1	8.3	8.4	8.2	8.6	7.4	5.2	4.1	7.9	8.1	8.2	7.5	7.7	7.0	5.3	4.1
42.0m	7.5	7.7	7.8	7.9	8.0	7.3	5.0	4.0	7.3	7.6	7.6	7.1	7.1	6.7	5.1	4.0
44.0m	6.9	7.2	7.2	7.5	7.4	7.0	4.9	3.9	6.8	7.0	7.1	6.8	7.0	6.4	5.0	4.0
46.0m	6.4	6.7	6.7	7.0	6.9	6.7	4.8	3.8	6.3	6.5	6.5	6.4	6.6	6.1	4.8	3.9
48.0m	5.9	6.2	6.2	6.6	6.4	6.4	4.6	3.8	5.8	6.1	6.1	6.1	6.3	5.8	4.7	3.8
50.0m	5.5	5.8	5.8	6.2	6.0	6.1	4.5	3.7	5.4	5.6	5.6	5.6	5.9	5.5	4.6	3.7
52.0m	5.1	5.4	5.4	5.8	5.6	5.9	4.4	3.6	5.0	5.2	5.3	5.2	5.5	5.2	4.5	3.7
54.0m	4.8	5.0	5.0	5.4	5.2	5.5	4.3	3.5	4.6	4.8	4.9	4.9	5.1	5.0	4.4	3.6
56.0m	4.4	4.6	4.7	5.0	4.9	5.0	4.2	3.4	4.3	4.4	4.6	4.5	4.7	4.7	4.3	3.5
58.0m	4.0	4.2	4.4	4.7	4.6	4.7	4.1	3.3	4.0	4.0	4.2	4.2	4.4	4.4	4.2	3.5
60.0m	3.6	3.8	4.1	4.4	4.3	4.4	4.0	3.2	3.7	3.7	3.9	3.9	4.1	4.2	3.9	3.4
62.0m	3.2		3.8	4.1	4.0	4.1	3.9	3.1	3.4	3.5	3.6	3.6	3.8	3.9	3.8	3.3
64.0m	2.8		3.5	3.8	3.7	3.8	3.8	3.0	3.1		3.3	3.3	3.5	3.6	3.7	3.2
66.0m	2.5		3.2	3.5	3.4	3.5	3.7	3.0	2.8		3.0	3.0	3.2	3.3	3.6	3.1
68.0m	2.2		2.9		3.1	3.2	3.6	2.9	2.5		2.7	2.7	2.9	3.0	3.5	3.0

Working Range HF

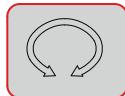
Working range of fly jib(HF)



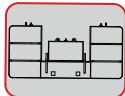
Rated Lifting Capacity Load Chart HF



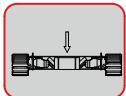
39.2m-69.2m

15°-30°
13m-31m

360°



64t

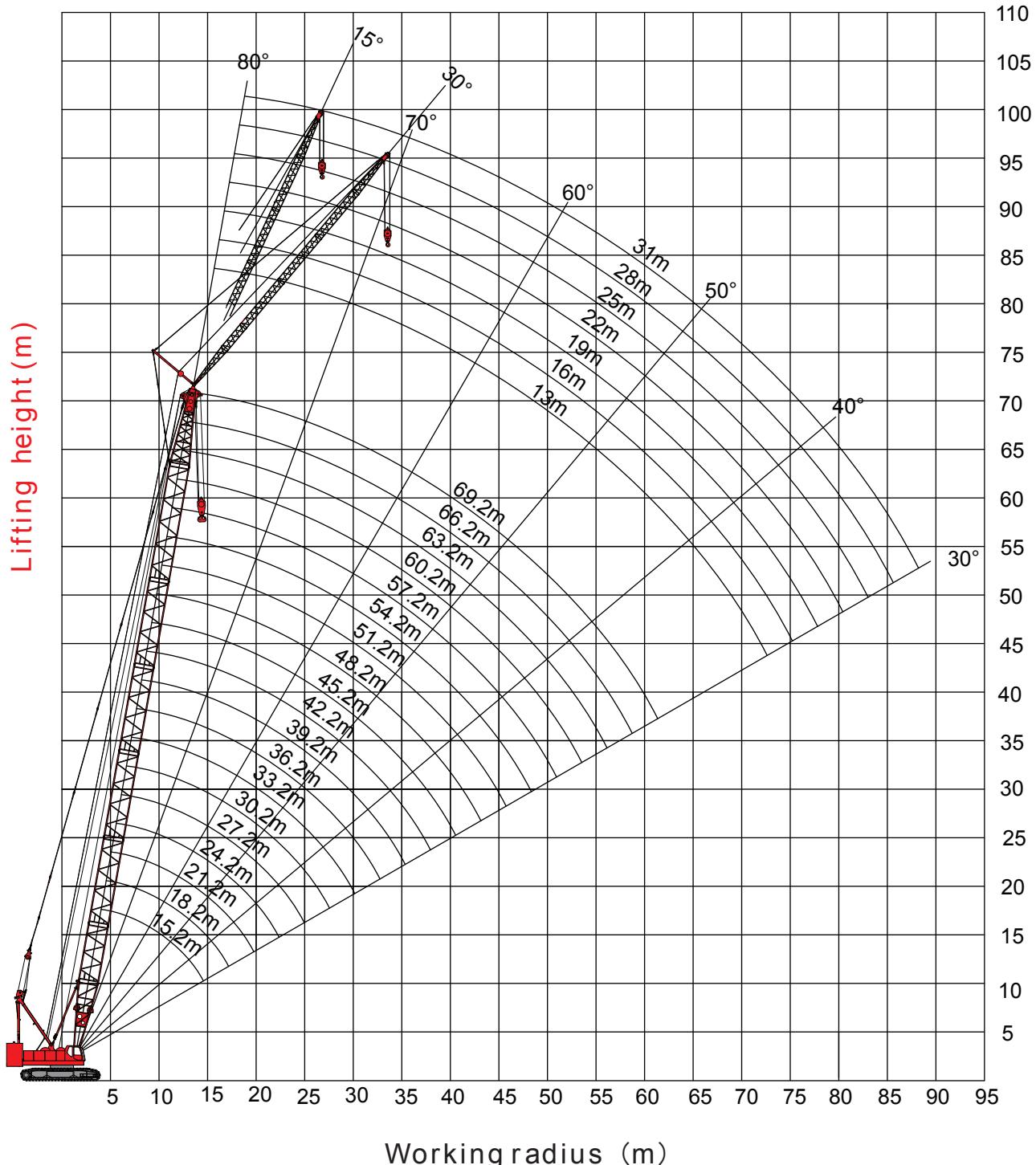


10t

Main boom length	69.2m							
	13.0m		19.0m		25.0m		31.0m	
Fly jib length	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°	15.0°	30.0°
20.0m	13.7							
22.0m	13.1		11.8					
24.0m	12.4	11.0	11.2					
26.0m	11.7	10.5	10.7		9.9		6.5	
28.0m	11.1	10.1	10.2	8.9	9.4		6.4	
30.0m	10.5	9.6	9.7	8.6	9.0		6.2	
32.0m	9.9	9.1	9.2	8.2	8.6	7.4	6.0	
34.0m	9.3	8.6	8.7	7.9	8.2	7.2	5.8	4.4
36.0m	8.8	8.2	8.3	7.5	7.8	6.9	5.7	4.4
38.0m	8.3	7.7	7.8	7.2	7.4	6.6	5.5	4.3
40.0m	7.8	7.3	7.4	6.8	7.0	6.3	5.3	4.2
42.0m	7.2	6.9	7.0	6.5	6.6	6.0	5.2	4.1
44.0m	6.6	6.5	6.6	6.1	6.3	5.8	5.1	4.0
46.0m	6.1	6.0	6.2	5.8	5.9	5.5	4.9	3.9
48.0m	5.7	5.5	5.8	5.5	5.6	5.2	4.8	3.8
50.0m	5.2	5.1	5.5	5.2	5.3	5.0	4.7	3.8
52.0m	4.9	4.7	5.1	4.9	5.0	4.7	4.4	3.7
54.0m	4.5	4.3	4.8	4.6	4.7	4.4	4.2	3.6
56.0m	4.2	4.0	4.4	4.3	4.4	4.1	3.9	3.6
58.0m	3.9	3.7	4.1	4.0	4.1	3.9	3.6	3.5
60.0m	3.6	3.4	3.8	3.7	3.9	3.6	3.4	3.3
62.0m	3.3	3.1	3.5	3.4	3.6	3.3	3.3	3.2
64.0m	3.0	2.8	3.2	3.1	3.3	3.0	3.2	3.1
66.0m	2.7	2.5	2.9	2.8	3.0	2.7	3.1	3.0
68.0m	2.4		2.6	2.5	2.7	2.4	3.0	2.9

Working Range HF

Working range of fly jib(HF)



Rated Lifting Capacity Load Chart for Main Boom with Fly Jib



39.2m-69.2m

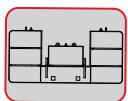


15°

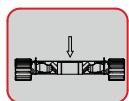
13m-31m



360°



64t



10t

Fly jib length Main boom length	13.0m										
	39.2m	42.2m	45.2m	48.2m	51.2m	54.2m	57.2m	60.2m	63.2m	66.2m	69.2m
8.0m	8.7/77.8										
9.0m	75.0	9.3/70.9	9.8/65								
10.0m	65.6	64.4	63.3	10.3/59.5	10.8/53.6	11.4/48.4	11.9/43.7				
12.0m	51.9	51.1	50.3	49.5	48.6	47.2	43.5	12.4/39.3	12.9/35.5	13.4/31.8	14.0/28.6
14.0m	42.1	41.9	41.3	40.7	40.0	39.4	38.7	36.9	34.0	31.2	28.5
16.0m	34.6	34.4	34.3	34.2	33.7	33.1	32.6	32.0	31.5	28.8	26.3
18.0m	29.1	28.9	28.8	28.7	28.4	28.3	27.9	27.4	27.0	26.5	26.3
20.0m	24.9	24.7	24.6	24.4	24.2	24.1	23.9	23.7	23.3	22.9	22.4
22.0m	21.6	21.4	21.2	21.1	20.9	20.7	20.6	20.4	20.3	20.0	19.6
24.0m	18.9	18.6	18.5	18.4	18.2	18.0	17.9	17.7	17.6	17.4	17.2
26.0m	16.6	16.4	16.3	16.1	15.9	15.8	15.6	15.4	15.3	15.1	14.9
28.0m	14.7	14.5	14.4	14.2	14.0	13.9	13.7	13.5	13.4	13.2	13.0
30.0m	13.1	12.9	12.8	12.6	12.4	12.3	12.1	11.9	11.8	11.6	11.4
32.0m	11.7	11.5	11.4	11.2	11.0	10.9	10.7	10.5	10.4	10.2	10.0
34.0m	10.5	10.3	10.2	10.0	9.8	9.7	9.5	9.3	9.2	9.0	8.8
36.0m	35.6/9.6	9.2	9.1	9.0	8.7	8.6	8.4	8.2	8.1	7.9	7.7
38.0m		8.3	8.2	8.0	7.8	7.6	7.5	7.3	7.2	7.0	6.8
40.0m		38.2/8.2	7.3	7.2	6.9	6.8	6.6	6.4	6.3	6.1	5.9
42.0m			40.8/7	6.4	6.2	6.0	5.9	5.7	5.6	5.4	5.2
44.0m				43.4/5.9	5.5	5.4	5.2	5.0	4.9	4.7	4.5
46.0m					4.9	4.7	4.6	4.4	4.2	4.1	3.9
48.0m					46.0/4.9	4.2	4.0	3.8	3.6	3.5	3.3
50.0m						48.6/4	3.5	3.3	3.2	3.0	2.8
52.0m							51.2/3.2	2.8	2.7	2.5	2.3



39.2m-69.2m

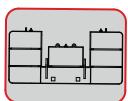


30°

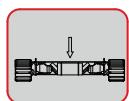
13m-31m



360°



64t

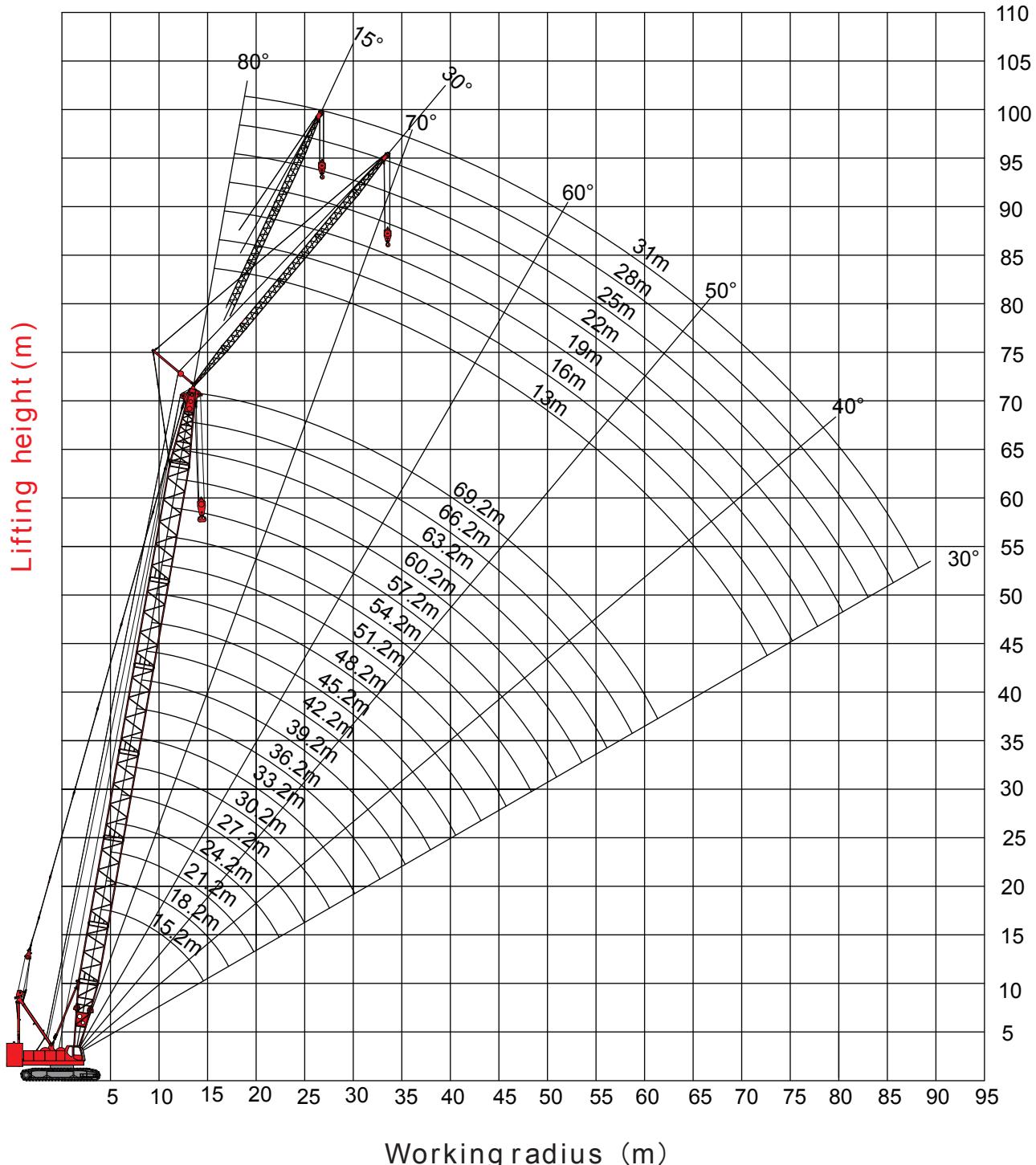


10t

Fly jib length Main boom length	13.0m										
	39.2m	42.2m	45.2m	48.2m	51.2m	54.2m	57.2m	60.2m	63.2m	66.2m	69.2m
8.0m	8.7/76.6										
9.0m	73.8	9.3/69.7	9.8/63.8								
10.0m	64.4	63.2	62.1	10.3/58.3	10.8/52.4	11.4/47.2	11.9/42.5				
12.0m	50.7	49.9	49.1	48.3	47.4	46.0	42.3	12.4/38.1	12.9/34.3	13.4/30.6	14.0/27.4
14.0m	40.9	40.7	40.1	39.5	38.8	38.2	37.5	35.7	32.8	29.9	27.3
16.0m	33.4	33.2	33.1	33.0	32.5	31.9	31.4	30.8	30.3	27.6	25.1
18.0m	27.9	27.7	27.6	27.5	27.2	27.1	26.7	26.2	25.8	25.3	23.1
20.0m	23.7	23.5	23.4	23.2	23.0	22.9	22.7	22.5	22.1	21.7	21.2
22.0m	20.4	20.2	20.0	19.9	19.7	19.5	19.4	19.2	19.1	18.8	18.4
24.0m	17.7	17.4	17.3	17.2	17.0	16.8	16.7	16.5	16.3	16.2	16.0
26.0m	15.4	15.2	15.1	14.9	14.7	14.6	14.4	14.2	14.1	13.9	13.7
28.0m	13.5	13.3	13.2	13.0	12.8	12.7	12.5	12.3	12.2	12.0	11.8
30.0m	11.9	11.7	11.6	11.4	11.2	11.1	10.9	10.7	10.6	10.4	10.2
32.0m	10.5	10.3	10.2	10.0	9.8	9.7	9.5	9.3	9.2	9.0	8.8
34.0m	9.3	9.1	9.0	8.8	8.6	8.5	8.3	8.1	8.0	7.8	7.6
36.0m	35.6/8.4	8.0	7.9	7.8	7.5	7.4	7.2	7.0	6.9	6.7	6.5
38.0m		7.1	7.0	6.8	6.6	6.4	6.3	6.1	6.0	5.8	5.6
40.0m		38.2/7	6.1	6.0	5.7	5.6	5.4	5.2	5.1	4.9	4.7
42.0m			40.8/5.8	5.2	5.0	4.8	4.7	4.5	4.4	4.2	4.0
44.0m				43.4/4.7	4.3	4.2	4.0	3.8	3.7	3.5	3.3
46.0m					3.7	3.5	3.4	3.2	3.0	2.9	2.7
48.0m					46.0/3.7	3.0	2.8	2.6	2.5	2.3	2.1

Working Range HF

Working range of fly jib(HF)



Rated Lifting Capacity Load Chart for Main Boom with Fly Jib

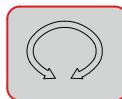


39.2m-69.2m

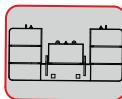


15°

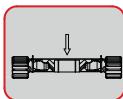
13m-31m



360°



64t



10t

Fly jib length Main boom length	19.0m										
	39.2m	42.2m	45.2m	48.2m	51.2m	54.2m	57.2m	60.2m	63.2m	66.2m	69.2m
8.0m	8.7/76.8										
9.0m	74.0	9.3/69.9	9.8/64								
10.0m	64.6	63.4	62.3	10.3/58.5	10.8/52.6	11.4/47.4	11.9/42.7				
12.0m	50.9	50.1	49.3	48.5	47.6	46.2	42.5	12.4/38.3	12.9/34.5	13.4/30.8	14.0/27.6
14.0m	41.1	40.9	40.3	39.7	39.0	38.4	37.7	35.9	33.0	30.1	27.5
16.0m	33.6	33.4	33.3	33.2	32.7	32.1	31.6	31.0	30.5	27.8	25.3
18.0m	28.1	27.9	27.8	27.7	27.4	27.3	26.9	26.4	26.0	25.5	23.3
20.0m	23.9	23.7	23.6	23.4	23.2	23.1	22.9	22.7	22.3	21.9	21.4
22.0m	20.6	20.4	20.2	20.1	19.9	19.7	19.6	19.4	19.3	19.0	18.6
24.0m	17.9	17.6	17.5	17.4	17.2	17.0	16.9	16.7	16.5	16.4	16.2
26.0m	15.6	15.4	15.3	15.1	14.9	14.8	14.6	14.4	14.3	14.1	13.9
28.0m	13.7	13.5	13.4	13.2	13.0	12.9	12.7	12.5	12.4	12.2	12.0
30.0m	12.1	11.9	11.8	11.6	11.4	11.3	11.1	10.9	10.8	10.6	10.4
32.0m	10.7	10.5	10.4	10.2	10.0	9.9	9.7	9.5	9.4	9.2	9.0
34.0m	9.5	9.3	9.2	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8
36.0m	35.6/8.6	8.2	8.1	8.0	7.7	7.6	7.4	7.2	7.1	6.9	6.7
38.0m		7.3	7.2	7.0	6.8	6.6	6.5	6.3	6.2	6.0	5.8
40.0m		38.2/7.2	6.3	6.2	5.9	5.8	5.6	5.4	5.3	5.1	4.9
42.0m			40.8/6	5.4	5.2	5.0	4.9	4.7	4.6	4.4	4.2
44.0m				43.4/4.9	4.5	4.4	4.2	4.0	3.9	3.7	3.5
46.0m					3.9	3.7	3.6	3.4	3.2	3.1	2.9
48.0m					46.0/3.9	3.2	3.0	2.8	2.7	2.5	2.3

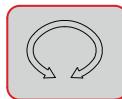


39.2m-69.2m

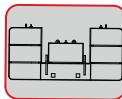


30°

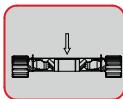
13m-31m



360°



64t

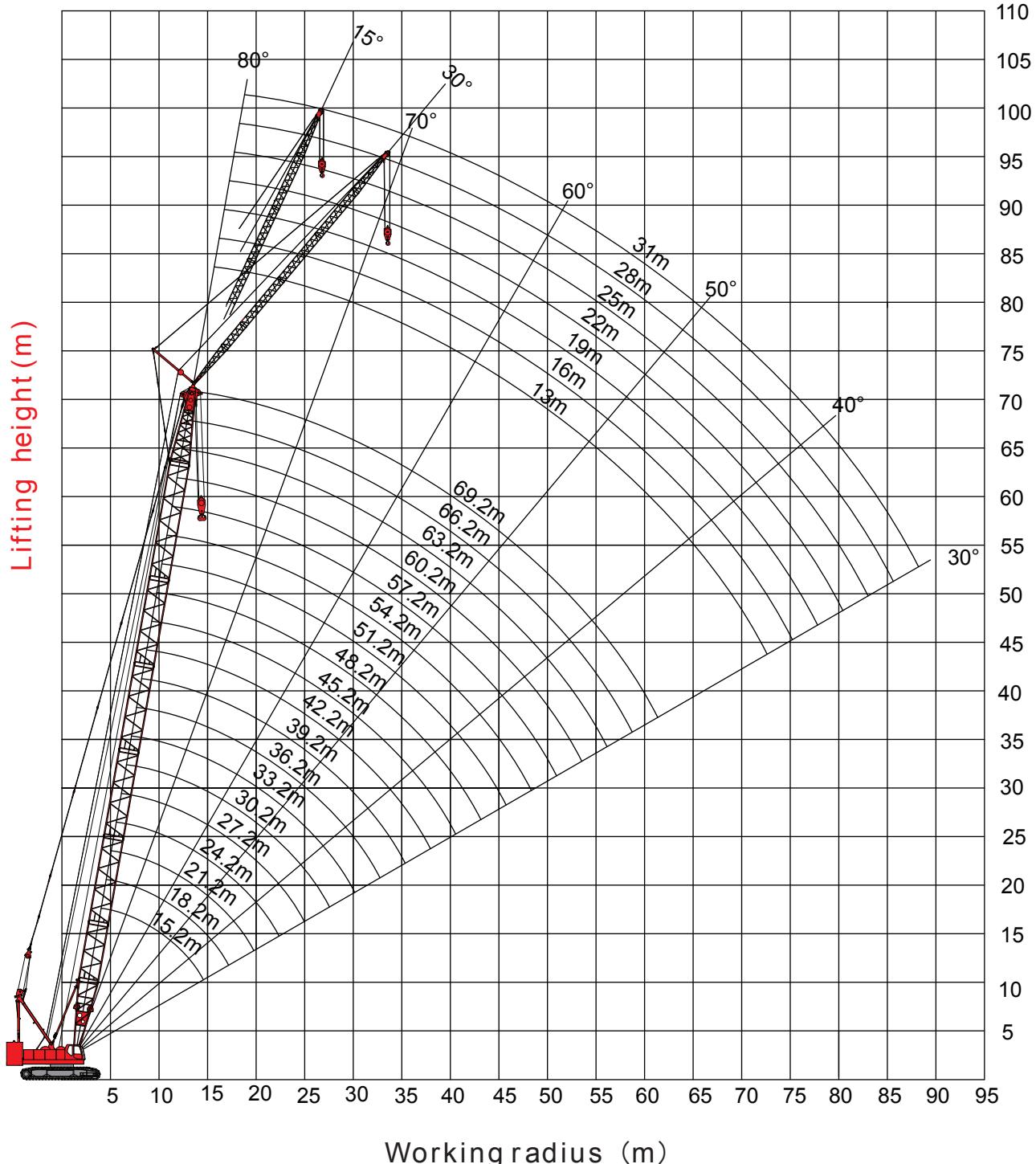


10t

Fly jib length Main boom length	19.0m										
	39.2m	42.2m	45.2m	48.2m	51.2m	54.2m	57.2m	60.2m	63.2m	66.2m	69.2m
8.0m	8.7/75.2										
9.0m	72.4	9.3/68.3	9.8/62.4								
10.0m	63.0	61.8	60.7	10.3/56.9	10.8/51	11.4/45.8	11.9/41.1				
12.0m	49.3	48.5	47.7	46.9	46.0	44.6	40.9	12.4/36.7	12.9/32.9	13.4/29.2	14.0/26
14.0m	39.5	39.3	38.7	38.1	37.4	36.8	36.1	34.3	31.4	28.5	25.9
16.0m	32.0	31.8	31.7	31.6	31.1	30.5	30.0	29.4	28.9	26.2	23.7
18.0m	26.5	26.3	26.2	26.1	25.8	25.7	25.3	24.8	24.4	23.9	21.7
20.0m	22.3	22.1	22.0	21.8	21.6	21.5	21.3	21.1	20.7	20.3	19.8
22.0m	19.0	18.8	18.6	18.5	18.3	18.1	18.0	17.8	17.7	17.4	17.0
24.0m	16.3	16.0	15.9	15.8	15.6	15.4	15.3	15.1	14.9	14.8	14.6
26.0m	14.0	13.8	13.7	13.5	13.3	13.2	13.0	12.8	12.7	12.5	12.3
28.0m	12.1	11.9	11.8	11.6	11.4	11.3	11.1	10.9	10.8	10.6	10.4
30.0m	10.5	10.3	10.2	10.0	9.8	9.7	9.5	9.3	9.2	9.0	8.8
32.0m	9.1	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.8	7.6	7.4
34.0m	7.9	7.7	7.6	7.4	7.2	7.1	6.9	6.7	6.6	6.4	6.2
36.0m	35.6/7	6.6	6.5	6.4	6.1	6.0	5.8	5.6	5.5	5.3	5.1
38.0m		5.7	5.6	5.4	5.2	5.0	4.9	4.7	4.6	4.4	4.2
40.0m		38.2/5.6	4.7	4.6	4.3	4.2	4.0	3.8	3.7	3.5	3.3
42.0m			40.8/4.4	3.8	3.6	3.4	3.3	3.1	3.0	2.8	2.6
44.0m				43.4/3.3	2.9	2.8	2.6	2.4	2.3	2.1	1.9

Working Range HF

Working range of fly jib(HF)



Rated Lifting Capacity Load Chart for Main Boom with Fly Jib

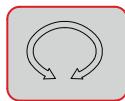


39.2m-69.2m

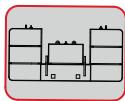


15°

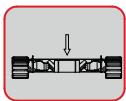
13m-31m



360°



64t

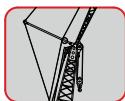


10t

Fly jib length Main boom length	25.0m										
	39.2m	42.2m	45.2m	48.2m	51.2m	54.2m	57.2m	60.2m	63.2m	66.2m	69.2m
8.0m	8.7/75.7										
9.0m	72.9	9.3/68.8	9.8/62.9								
10.0m	63.5	62.3	61.2	10.3/57.4	10.8/51.5	11.4/46.3	11.9/41.6				
12.0m	49.8	49.0	48.2	47.4	46.5	45.1	41.4	12.4/37.2	12.9/33.4	13.4/29.7	14.0/26.5
14.0m	40.0	39.8	39.2	38.6	37.9	37.3	36.6	34.8	31.9	29.0	26.4
16.0m	32.5	32.3	32.2	32.1	31.6	31.0	30.5	29.9	29.4	26.7	24.2
18.0m	27.0	26.8	26.7	26.6	26.3	26.2	25.8	25.3	24.9	24.4	22.2
20.0m	22.8	22.6	22.5	22.3	22.1	22.0	21.8	21.6	21.2	20.8	20.3
22.0m	19.5	19.3	19.1	19.0	18.8	18.6	18.5	18.3	18.2	17.9	17.5
24.0m	16.8	16.5	16.4	16.3	16.1	15.9	15.8	15.6	15.4	15.3	15.1
26.0m	14.5	14.3	14.2	14.0	13.8	13.7	13.5	13.3	13.2	13.0	12.8
28.0m	12.6	12.4	12.3	12.1	11.9	11.8	11.6	11.4	11.3	11.1	10.9
30.0m	11.0	10.8	10.7	10.5	10.3	10.2	10.0	9.8	9.7	9.5	9.3
32.0m	9.6	9.4	9.3	9.1	8.9	8.8	8.6	8.4	8.3	8.1	7.9
34.0m	8.4	8.2	8.1	7.9	7.7	7.6	7.4	7.2	7.1	6.9	6.7
36.0m	35.6/7.5	7.1	7.0	6.9	6.6	6.5	6.3	6.1	6.0	5.8	5.6
38.0m		6.2	6.1	5.9	5.7	5.5	5.4	5.2	5.1	4.9	4.7
40.0m		38.2/6.1	5.2	5.1	4.8	4.7	4.5	4.3	4.2	4.0	3.8
42.0m			40.8/4.9	4.3	4.1	3.9	3.8	3.6	3.5	3.3	3.1
44.0m				43.4/3.8	3.4	3.3	3.1	2.9	2.8	2.6	2.4

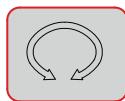


39.2m-69.2m

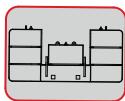


30°

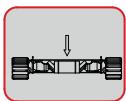
13m-31m



360°



64t

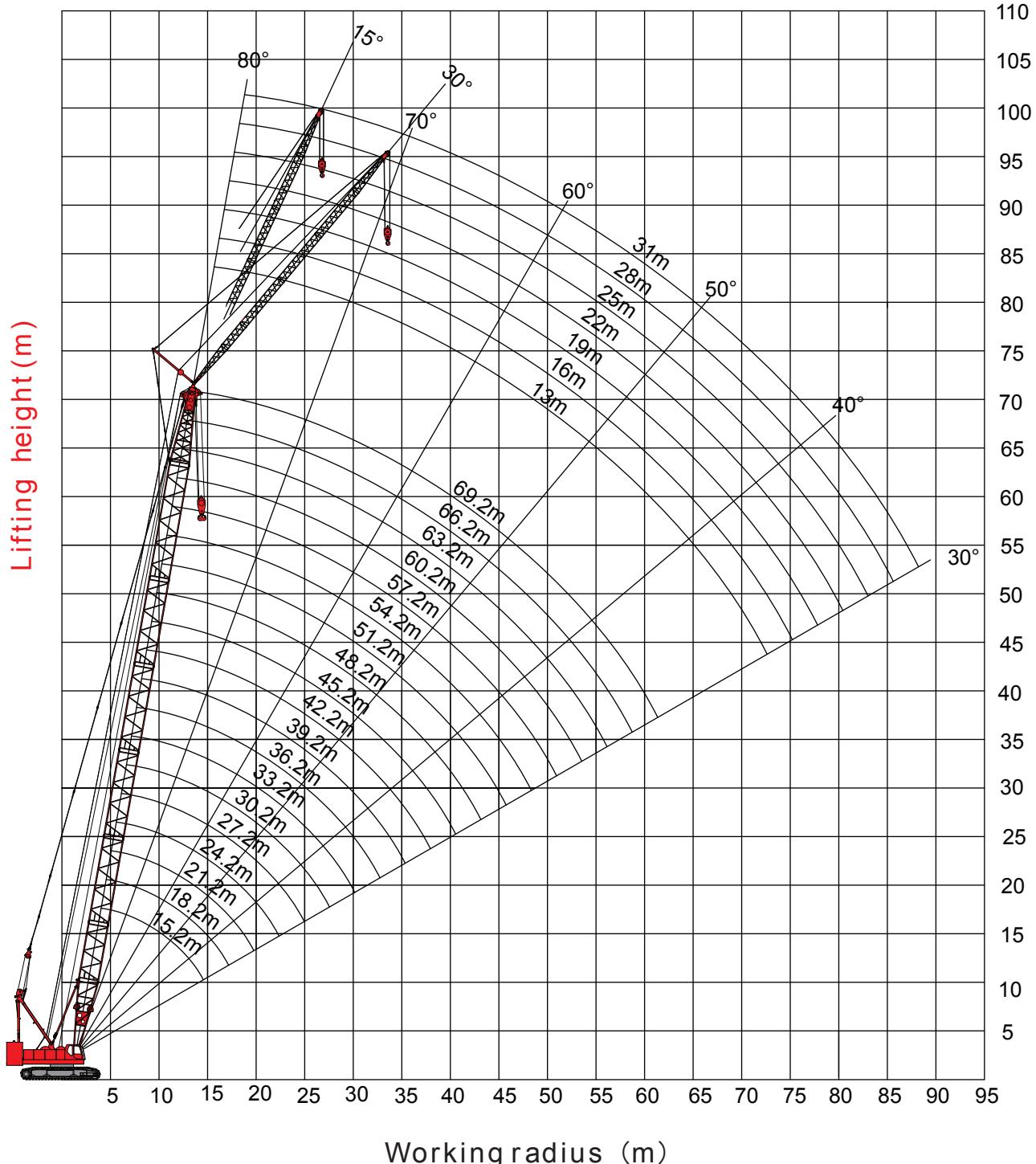


10t

Fly jib length Main boom length	25.0m										
	39.2m	42.2m	45.2m	48.2m	51.2m	54.2m	57.2m	60.2m	63.2m	66.2m	69.2m
8.0m	8.7/73.6										
9.0m	70.8	9.3/66.7	9.8/60.8								
10.0m	61.4	60.2	59.1	10.3/55.3	10.8/49.4	11.4/44.2	11.9/39.5				
12.0m	47.7	46.9	46.1	45.3	44.4	43.0	39.3	12.4/35.1	12.9/31.3	13.4/27.6	14.0/24.4
14.0m	37.9	37.7	37.1	36.5	35.8	35.2	34.5	32.7	29.8	26.9	24.3
16.0m	30.4	30.2	30.1	30.0	29.5	28.9	28.4	27.8	27.3	24.6	22.1
18.0m	24.9	24.7	24.6	24.5	24.2	24.1	23.7	23.2	22.8	22.3	20.1
20.0m	20.7	20.5	20.4	20.2	20.0	19.9	19.7	19.5	19.1	18.7	18.2
22.0m	17.4	17.2	17.0	16.9	16.7	16.5	16.4	16.2	16.1	15.8	15.4
24.0m	14.7	14.4	14.3	14.2	14.0	13.8	13.7	13.5	13.3	13.2	13.0
26.0m	12.4	12.2	12.1	11.9	11.7	11.6	11.4	11.2	11.1	10.9	10.7
28.0m	10.5	10.3	10.2	10.0	9.8	9.7	9.5	9.3	9.2	9.0	8.8
30.0m	8.9	8.7	8.6	8.4	8.2	8.1	7.9	7.7	7.6	7.4	7.2
32.0m	7.5	7.3	7.2	7.0	6.8	6.7	6.5	6.3	6.2	6.0	5.8
34.0m	6.3	6.1	6.0	5.8	5.6	5.5	5.3	5.1	5.0	4.8	4.6
36.0m	35.6/5.4	5.0	4.9	4.8	4.5	4.4	4.2	4.0	3.9	3.7	3.5
38.0m		4.1	4.0	3.8	3.6	3.4	3.3	3.1	3.0	2.8	2.6
40.0m		38.2/4	3.1	3.0	2.7	2.6	2.4	2.2	2.1	1.9	1.7

Working Range HF

Working range of fly jib(HF)



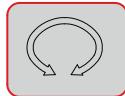
Rated Lifting Capacity Load Chart for Main Boom with Fly Jib



39.2m-69.2m

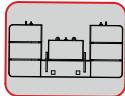


15°

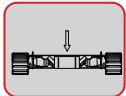


13m-31m

360°



64t



10t

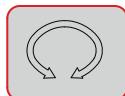
Fly jib length Main boom length	31.0m									
	39.2m	42.2m	45.2m	48.2m	51.2m	54.2m	57.2m	60.2m	63.2m	66.2m
8.0m	8.7/74.4									
9.0m	71.6	9.3/67.5	9.8/61.6							
10.0m	62.2	61.0	59.9	10.3/56.1	10.8/50.2	11.4/45	11.9/40.3			
12.0m	48.5	47.7	46.9	46.1	45.2	43.8	40.1	12.4/35.9	12.9/32.1	13.4/28.4
14.0m	38.7	38.5	37.9	37.3	36.6	36.0	35.3	33.5	30.6	27.7
16.0m	31.2	31.0	30.9	30.8	30.3	29.7	29.2	28.6	28.1	25.4
18.0m	25.7	25.5	25.4	25.3	25.0	24.9	24.5	24.0	23.6	23.1
20.0m	21.5	21.3	21.2	21.0	20.8	20.7	20.5	20.3	19.9	19.5
22.0m	18.2	18.0	17.8	17.7	17.5	17.3	17.2	17.0	16.9	16.6
24.0m	15.5	15.2	15.1	15.0	14.8	14.6	14.5	14.3	14.1	14.0
26.0m	13.2	13.0	12.9	12.7	12.5	12.4	12.2	12.0	11.9	11.7
28.0m	11.3	11.1	11.0	10.8	10.6	10.5	10.3	10.1	10.0	9.8
30.0m	9.7	9.5	9.4	9.2	9.0	8.9	8.7	8.5	8.4	8.2
32.0m	8.3	8.1	8.0	7.8	7.6	7.5	7.3	7.1	7.0	6.8
34.0m	7.1	6.9	6.8	6.6	6.4	6.3	6.1	5.9	5.8	5.6
36.0m	35.6/6.2	5.8	5.7	5.6	5.3	5.2	5.0	4.8	4.7	4.5
38.0m		4.9	4.8	4.6	4.4	4.2	4.1	3.9	3.8	3.6
40.0m		38.2/4.8	3.9	3.8	3.5	3.4	3.2	3.0	2.9	2.7
42.0m			40.8/3.6	3.0	2.8	2.6	2.5	2.3	2.2	2.0
										1.8



39.2m-69.2m



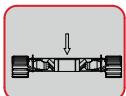
30°



360°



64t

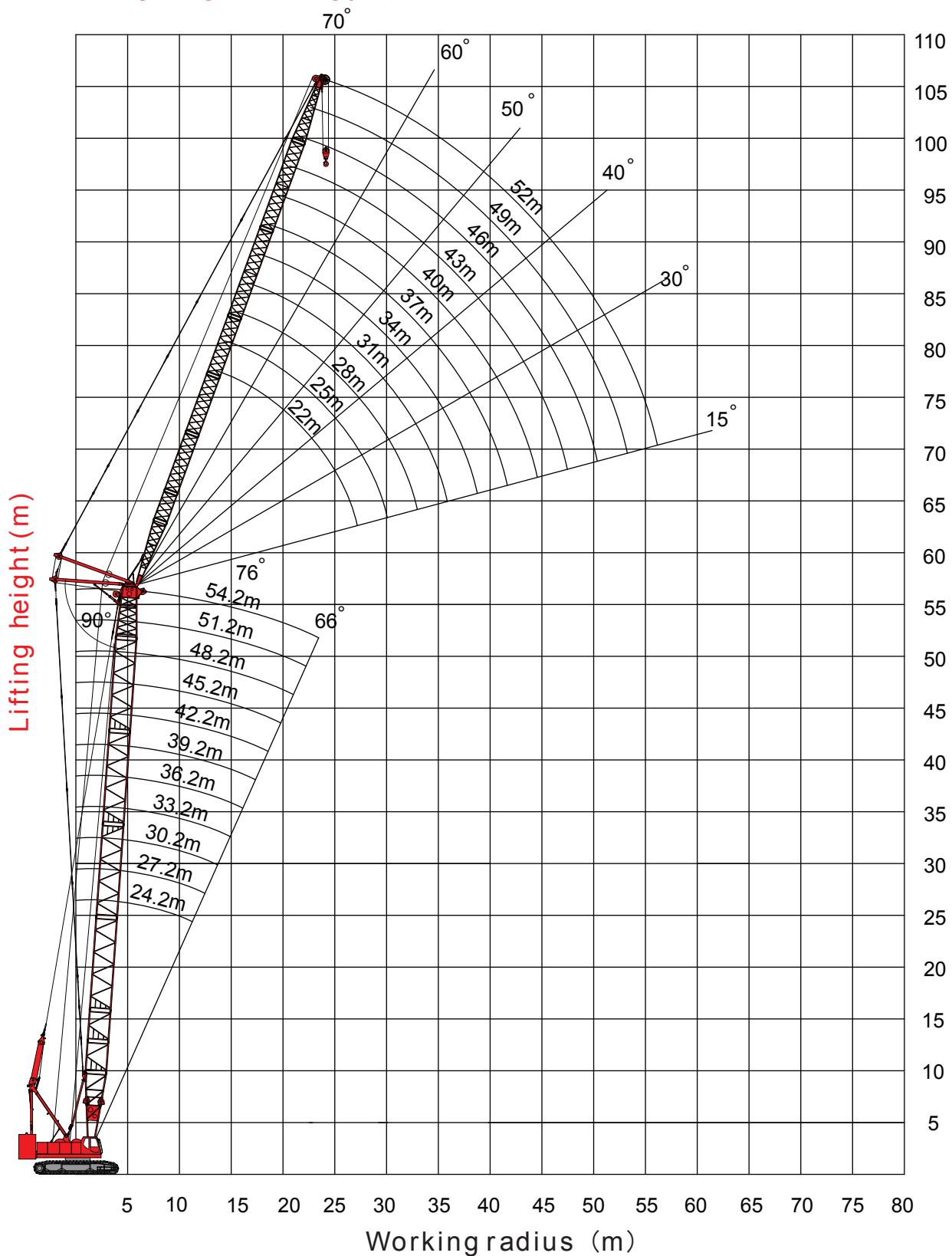


10t

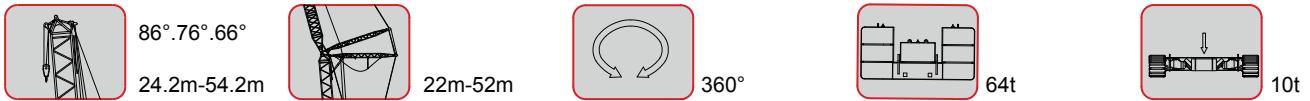
Fly jib length Main boom length	31.0m									
	39.2m	42.2m	45.2m	48.2m	51.2m	54.2m	57.2m	60.2m	63.2m	66.2m
8.0m	8.7/71.8									
9.0m	69.0	9.3/64.9	9.8/59							
10.0m	59.6	58.4	57.3	10.3/53.5	10.8/47.6	11.4/42.4	11.9/37.7			
12.0m	45.9	45.1	44.3	43.5	42.6	41.2	37.5	12.4/33.3	12.9/29.5	13.4/25.8
14.0m	36.1	35.9	35.3	34.7	34.0	33.4	32.7	30.9	28.0	25.1
16.0m	28.6	28.4	28.3	28.2	27.7	27.1	26.6	26.0	25.5	22.8
18.0m	23.1	22.9	22.8	22.7	22.4	22.3	21.9	21.4	21.0	20.5
20.0m	18.9	18.7	18.6	18.4	18.2	18.1	17.9	17.7	17.3	16.9
22.0m	15.6	15.4	15.2	15.1	14.9	14.7	14.6	14.4	14.3	14.0
24.0m	12.9	12.6	12.5	12.4	12.2	12.0	11.9	11.7	11.5	11.4
26.0m	10.6	10.4	10.3	10.1	9.9	9.8	9.6	9.4	9.3	9.1
28.0m	8.7	8.5	8.4	8.2	8.0	7.9	7.7	7.5	7.4	7.2
30.0m	7.1	6.9	6.8	6.6	6.4	6.3	6.1	5.9	5.8	5.6
32.0m	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.4	4.2
34.0m	4.5	4.3	4.2	4.0	3.8	3.7	3.5	3.3	3.2	3.0
36.0m	35.6/3.6	3.2	3.1	3.0	2.7	2.6	2.4	2.2	2.1	1.9
										1.7

Working Range HT

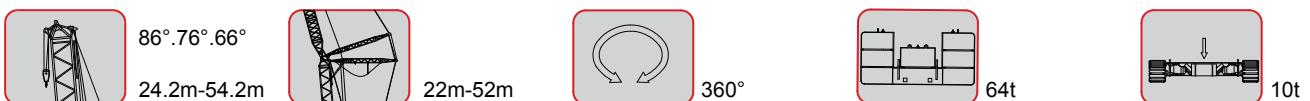
Working range of luffing jib (HT)



Rated Lifting Capacity Load Chart HT



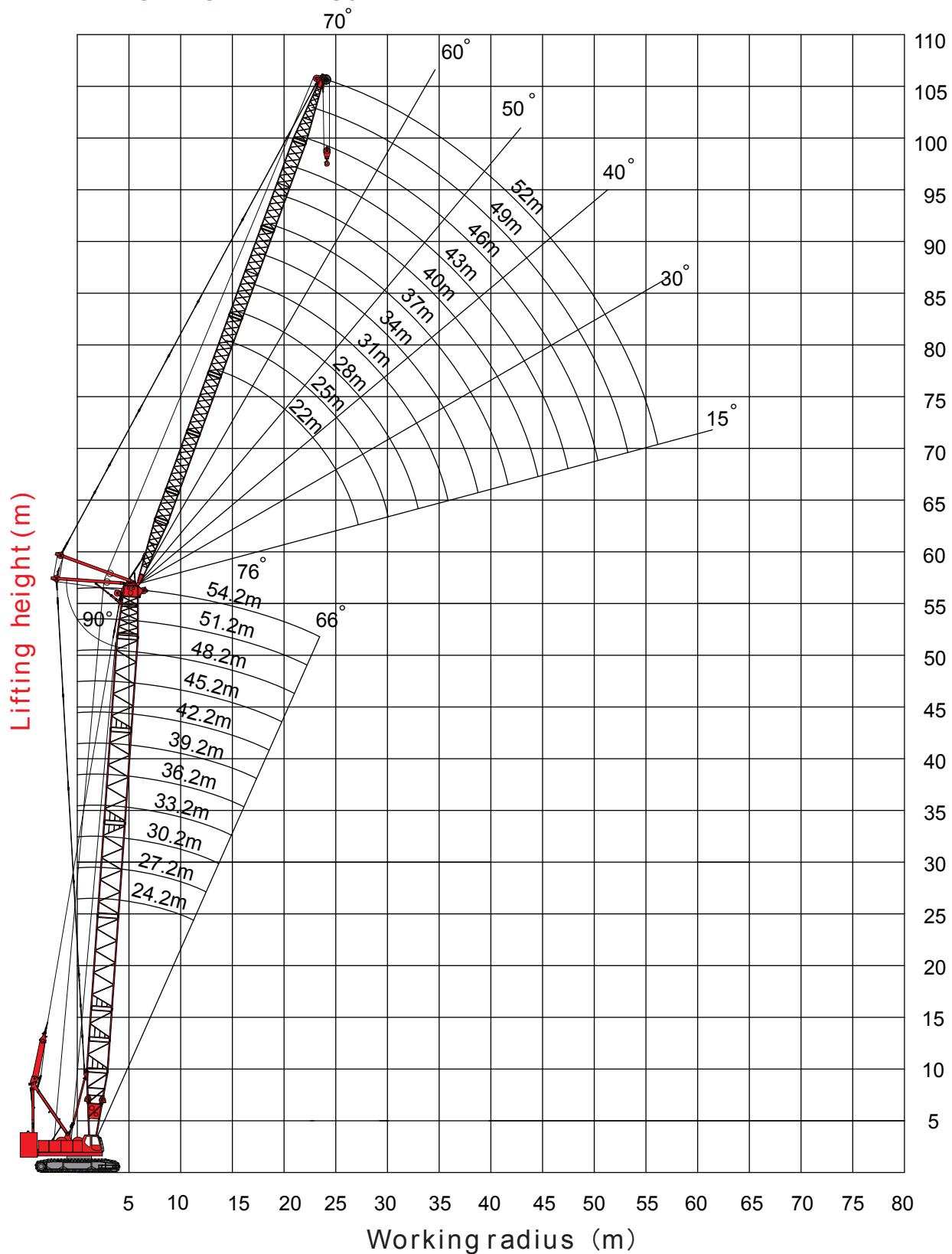
Main boom length	24.2m											
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
12.0m	35.0											
14.0m	34.9	30.6										
16.0m	32.3	28.4	23.3									
18.0m	29.1	26.5	21.7	16.9								
20.0m	26.0	24.4	20.2	15.7	12.3							
22.0m	23.3	21.9	22.9	21.4	18.8	14.7	11.4			8.8		
24.0m		19.7	20.9	19.5	17.5	13.7	10.6			8.1		
26.0m		17.9	16.8	18.9	17.8	16.4	17.4	12.8		9.8		7.5
28.0m			15.4	17.3	16.2	15.3	16.0	11.9	13.8	9.1		6.9
30.0m				14.1	14.9	14.0	14.3	14.8	11.1	12.9	8.5	6.3
34.0m					12.0	12.6	11.8	9.7	11.2	7.3	8.6	5.3
38.0m							10.2	8.4	9.8	10.1	6.2	7.4
42.0m								8.6	8.9	5.3	6.3	4.5
46.0m									7.9	5.4	6.4	3.0
50.0m											5.5	3.1
54.0m												3.8
												3.1



Main boom length	27.2m											
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
12.0m	35.0											
14.0m	34.8	30.9										
16.0m	32.4	28.6	23.4									
18.0m	28.6	26.7	21.8	17.0								
20.0m	25.6	23.8	24.9	20.3	15.8	12.4						
22.0m	23.3	21.5	22.5	18.9	14.8	11.5				8.9		
24.0m		19.5	20.6	19.0	17.7	13.8	10.7			8.2		
26.0m		17.7	18.9	17.5	16.5	17.0	12.8	9.9		7.6		
28.0m		16.2	15.0	17.3	16.0	15.4	14.2	9.2		7.0		
30.0m			13.8	14.7	14.4	14.6	11.2	13.2	8.5		6.4	
34.0m				11.7	12.5	9.7	11.5	7.3	8.8	5.4	6.6	
38.0m					10.9	10.0	8.5	10.0	6.3	7.6	4.5	5.6
42.0m						8.8	8.8	8.7	5.4	6.5	7.7	3.7
46.0m							7.7	5.6	6.7	3.1	3.9	4.8
50.0m									5.7		3.2	4.0
54.0m											2.6	3.3
58.0m												2.7

Working Range HT

Working range of luffing jib (HT)



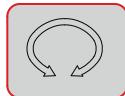
Rated Lifting Capacity Load Chart HT



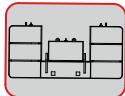
86°.76°.66°
24.2m-54.2m



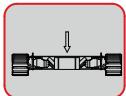
22m-52m



360°



64t



10t

Main boom length	30.2m														
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
12.0m	35.0														
14.0m	34.5		30.1												
16.0m	31.8		27.8	23.6											
18.0m	28.2		25.9	22.0	17.1										
20.0m	25.3		24.5	20.5	16.0	12.4									
22.0m	22.9	20.9	22.2	19.1	14.9	11.6									8.9
24.0m		19.1	20.3	18.5	17.8	13.9	10.8								8.3
26.0m		17.4	18.7	17.0	16.6	12.9	10.0								7.6
28.0m		15.9	17.2	15.7	15.5	12.1	9.3								7.0
30.0m			13.4	14.5	14.5	14.2	11.3	13.5	8.6						6.5
34.0m				11.3	12.3	9.8	7.4	9.0							5.4
38.0m				9.9	10.7	8.6	6.3	7.8							4.6 5.8
42.0m					8.5	9.0	5.4	6.7							3.8 4.8
46.0m						7.4	5.7	7.0							3.1 4.0
50.0m								6.0							3.3 4.2
54.0m								5.2							2.7 3.5
58.0m															2.9



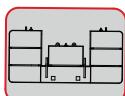
86°.76°.66°
24.2m-54.2m



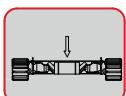
22m-52m



360°



64t

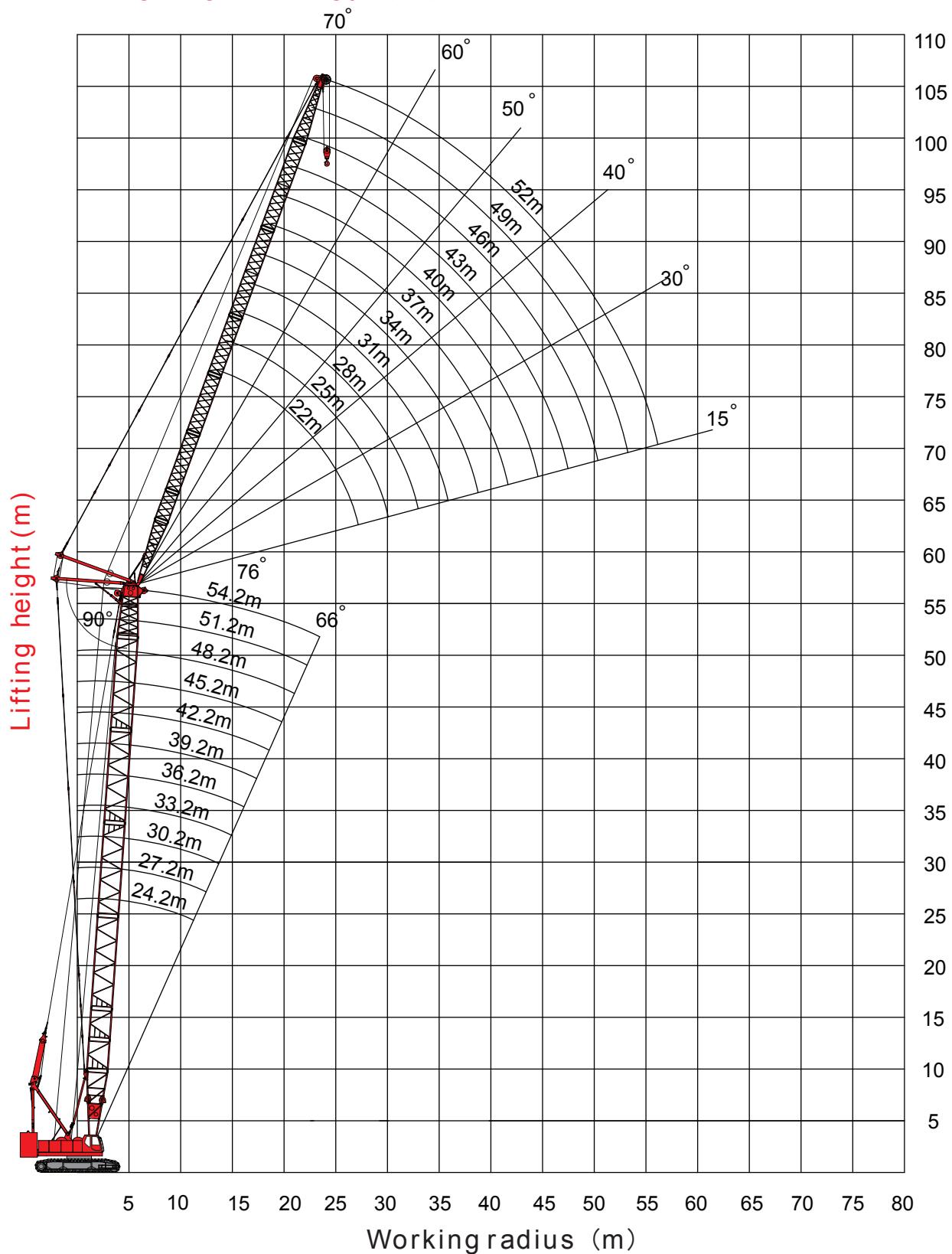


10t

Main boom length	33.2m														
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
12.0m	34.9														
14.0m	33.7		29.4												
16.0m	31.3		27.1	23.8											
18.0m	27.7		25.9	22.2	17.2										
20.0m	24.9		24.1	20.6	16.1	12.5									
22.0m	22.6	20.4	21.9	19.2	15.0	11.7									9.0
24.0m		18.6	20.0	18.0	17.9	14.0	10.8								8.3
26.0m		17.1	18.4	16.6	16.7	13.0	10.1								7.7
28.0m		15.7	17.1	15.3	15.6	12.2	9.4								7.1
30.0m			13.0	14.3	14.6	13.3	8.7								6.5
34.0m			11.2	12.2	11.0	9.9	7.5								5.5
38.0m				9.5	10.5	8.6	6.4								4.6 5.9
42.0m					8.2	9.1	5.5								3.8 5.0
46.0m						7.2	5.9								3.1 4.2
50.0m							6.4	5.1							3.4 4.5
54.0m								5.4							2.8 3.7
58.0m															3.1

Working Range HT

Working range of luffing jib (HT)



Rated Lifting Capacity Load Chart HT



86°.76°.66°

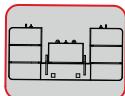
24.2m-54.2m



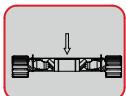
22m-52m



360°



64t



10t

Main boom length	36.2m														
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
12.0m	34.7														
14.0m	33.3	29.2													
16.0m	30.8	27.3	24.0												
18.0m	27.3	25.4	22.3	17.3											
20.0m	24.5	23.7	20.8	16.2	12.6										
22.0m	22.2	19.8	21.5	19.4	15.1	11.8									9.1
24.0m		18.1	19.7	18.0	14.1	10.9									8.4
26.0m		16.7	18.2	16.1	13.1	10.2									7.7
28.0m		15.4	16.9	14.9	12.2	9.4									7.1
30.0m		14.2	13.9	14.7	13.4	11.4									6.6
34.0m		10.8	12.0	12.9	11.7	10.0	11.3	7.5	9.5						5.5
38.0m			9.2	10.3	8.7	10.0	6.4	8.2	4.6	6.1					
42.0m				7.9	9.0	7.8	5.5	7.1	3.9	5.2					
46.0m				7.0	6.9	6.9	6.1	6.6	3.2	4.3					
50.0m					6.2	5.2	5.9								3.6
54.0m						5.3	5.3	2.9	4.0						4.0
58.0m															3.3
62.0m															2.7



86°.76°.66°

24.2m-54.2m



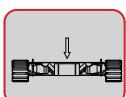
22m-52m



360°



64t

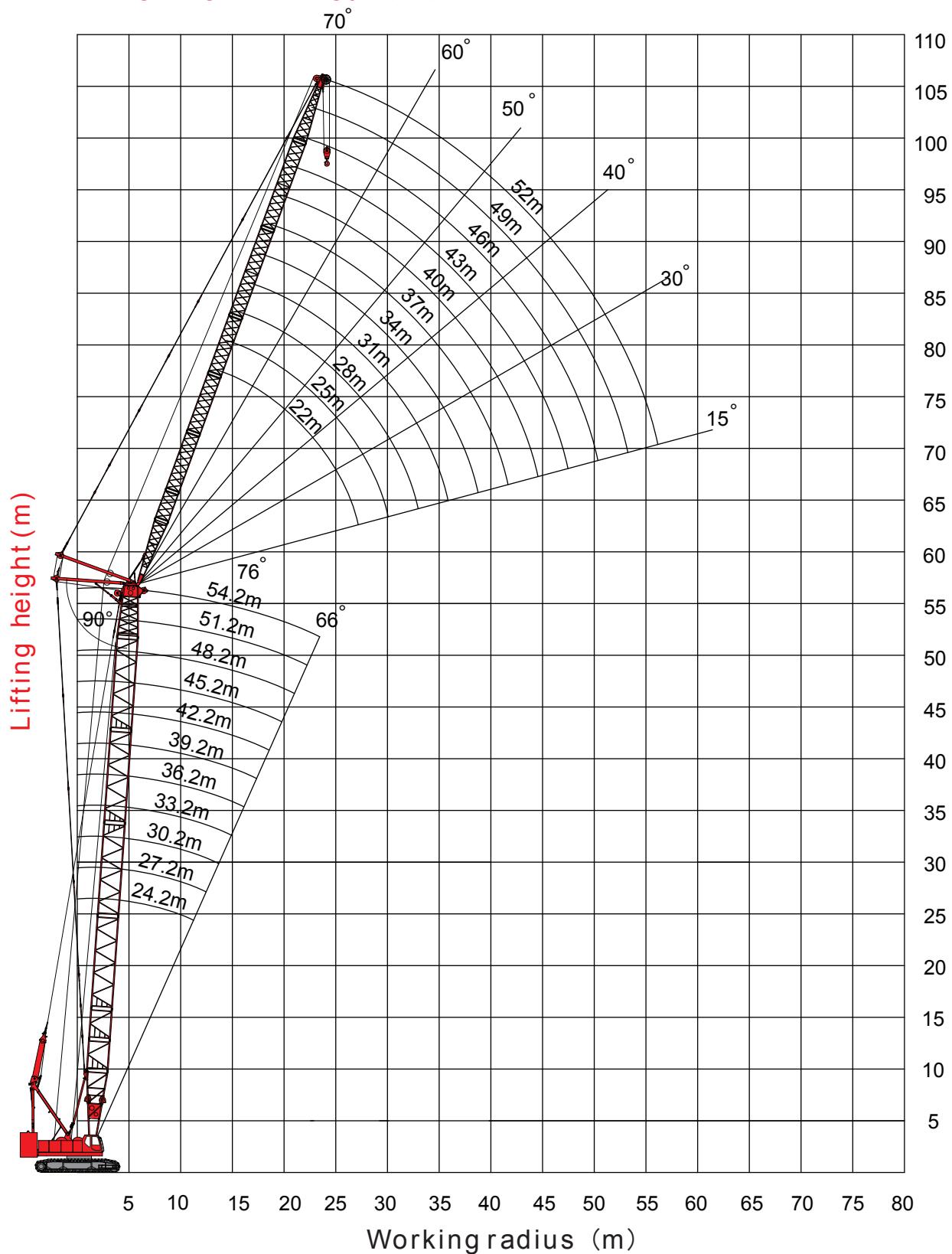


10t

Main boom length	39.2m														
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
14.0m	33.1	28.9													
16.0m	30.2	27.2	24.0												
18.0m	26.8	26.0	22.5	17.5											
20.0m	24.1	23.3	20.9	16.3	12.7										
22.0m	21.9	21.2	19.5	15.2	11.9										9.2
24.0m	20.1	17.5	19.4	18.2	14.2	11.0									8.5
26.0m		16.1	17.9	15.6	13.2	10.2									7.8
28.0m		14.9	16.6	14.4	12.3	9.5									7.2
30.0m		13.9	13.4	14.8	12.9	11.5	8.8								6.6
34.0m		10.4	11.8	13.0	11.3	10.0	10.9	7.6	9.8						5.6
38.0m				8.9	10.1	8.7	9.7	6.5	8.4						4.7
42.0m				7.8	7.6	8.7	8.7	5.6	7.3						3.9
46.0m					6.7	7.8	6.6	6.2							3.2
50.0m						5.9	5.9	5.4	5.6						2.6
54.0m								5.0							3.0
58.0m								4.5							3.5
62.0m															2.8

Working Range HT

Working range of luffing jib (HT)



Rated Lifting Capacity Load Chart HT

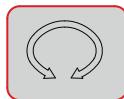


86°.76°.66°

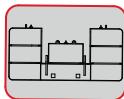
24.2m-54.2m



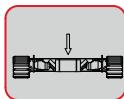
22m-52m



360°



64t



10t

Main boom length	42.2m																	
Fly jib length	22.0m			28.0m			34.0m			40.0m			46.0m			52.0m		
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
14.0m	32.9																	
16.0m	29.6			26.7			24.3											
18.0m	26.3			25.5			22.7			17.6								
20.0m	23.7			22.9			21.1			16.4			12.8					
22.0m	21.5			20.8			19.7			15.3			11.9			9.2		
24.0m	19.8	17.0		19.1			18.3			14.3			11.1			8.5		
26.0m		15.7		17.6	15.1		17.0			13.3			10.3			7.9		
28.0m		14.5		16.4	14.0		15.8			12.4			9.6			7.3		
30.0m		13.5			13.0		14.7	12.5		11.6			8.9			6.7		
34.0m			10.1		11.4		13.0	11.0		10.1	10.6		7.6			5.6		
38.0m				8.8			8.6			9.8		8.8	9.4		6.6	8.7	4.7	6.5
42.0m						7.5		8.7	7.3			8.4		5.6	7.5	3.9	5.5	
46.0m							6.5			7.6	6.3		6.4		5.5	4.6	3.2	4.6
50.0m										5.7			5.3		5.5	3.8	2.6	3.8
54.0m											5.1			4.8		4.3	3.1	4.4
58.0m																3.7	2.6	3.1
62.0m																		3.0

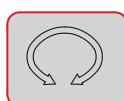


86°.76°.66°

24.2m-54.2m



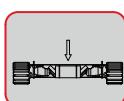
22m-52m



360°



64t

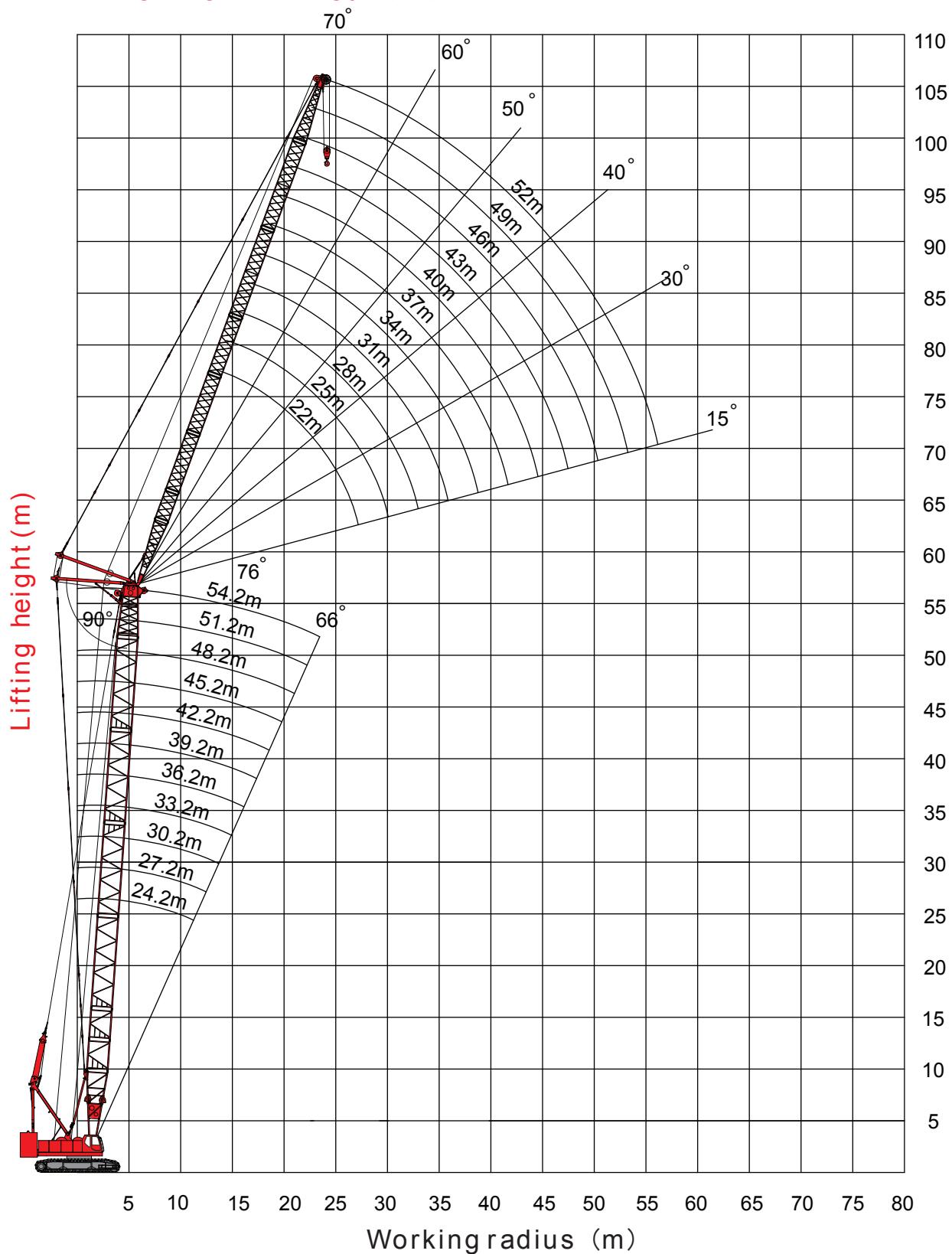


10t

Main boom length	45.2m																	
Fly jib length	22.0m			28.0m			34.0m			40.0m			46.0m			52.0m		
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°
14.0m	32.7																	
16.0m	28.6			26.7														
18.0m	25.4			24.6			22.8											
20.0m	22.9			22.1			21.3			16.5			12.9					
22.0m	20.8			20.1			19.5			15.4			12.0			9.3		
24.0m	19.1	15.4		18.4			17.8			14.4			11.2			8.6		
26.0m		14.2		17.0			16.4			13.4			10.4			7.9		
28.0m		13.2		15.8	12.6		15.2			12.5			9.6			7.3		
30.0m		12.3			11.8		14.2	11.3		11.7			9.0			6.7		
34.0m					10.3		12.5	9.9		10.2	9.5		7.7			5.7		
38.0m			7.3				8.8			8.9	8.4		6.6	8.0		4.8	6.7	
42.0m					6.2		7.9	5.9			7.5		5.7	7.1		4.0	5.7	
46.0m							5.3			6.8	5.0		6.4			3.3	4.8	
50.0m							4.7			4.5			5.7	4.1		2.6	4.0	
54.0m											4.0			3.7		3.3	3.4	
58.0m														3.4		2.6	3.1	
62.0m																		2.8

Working Range HT

Working range of luffing jib (HT)



Rated Lifting Capacity Load Chart (HT)

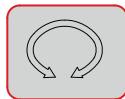


86°.76°.66°

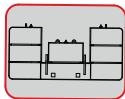
24.2m-54.2m



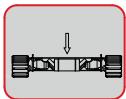
22m-52m



360°



64t



10t

Main boom length	48.2m									
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m				
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°
14.0m	31.2									
16.0m	28.2	26.5								
18.0m	25.3	24.5	23.0							
20.0m	22.8	22.1	21.4	16.7						
22.0m	20.8	20.1	19.4	15.6	12.1	9.4				
24.0m	19.1	18.4	17.8	14.5	11.3	8.7				
26.0m	14.6	17.0	16.4	13.5	10.5	8.0				
28.0m	13.6	15.8	13.0	12.6	9.7	7.4				
30.0m	12.6	12.1	14.2	11.8	9.0	6.8				
34.0m		10.6	12.5 10.2	10.2 9.8	7.8	5.7				
38.0m	8.0	9.5	9.1	8.9 8.7	6.7 8.2	4.8				
42.0m		6.8	8.1	7.8	5.7 7.4	4.0 5.9				
46.0m		6.1	5.8	7.1	6.6	3.3 4.9				
50.0m			5.2	4.9	5.8	2.7 4.1				
54.0m				4.5	4.1	3.4				
58.0m					3.8	2.8 3.4				
62.0m						3.1				
66.0m						2.8				



86°.76°.66°

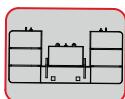
24.2m-54.2m



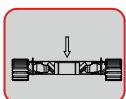
22m-52m



360°



64t

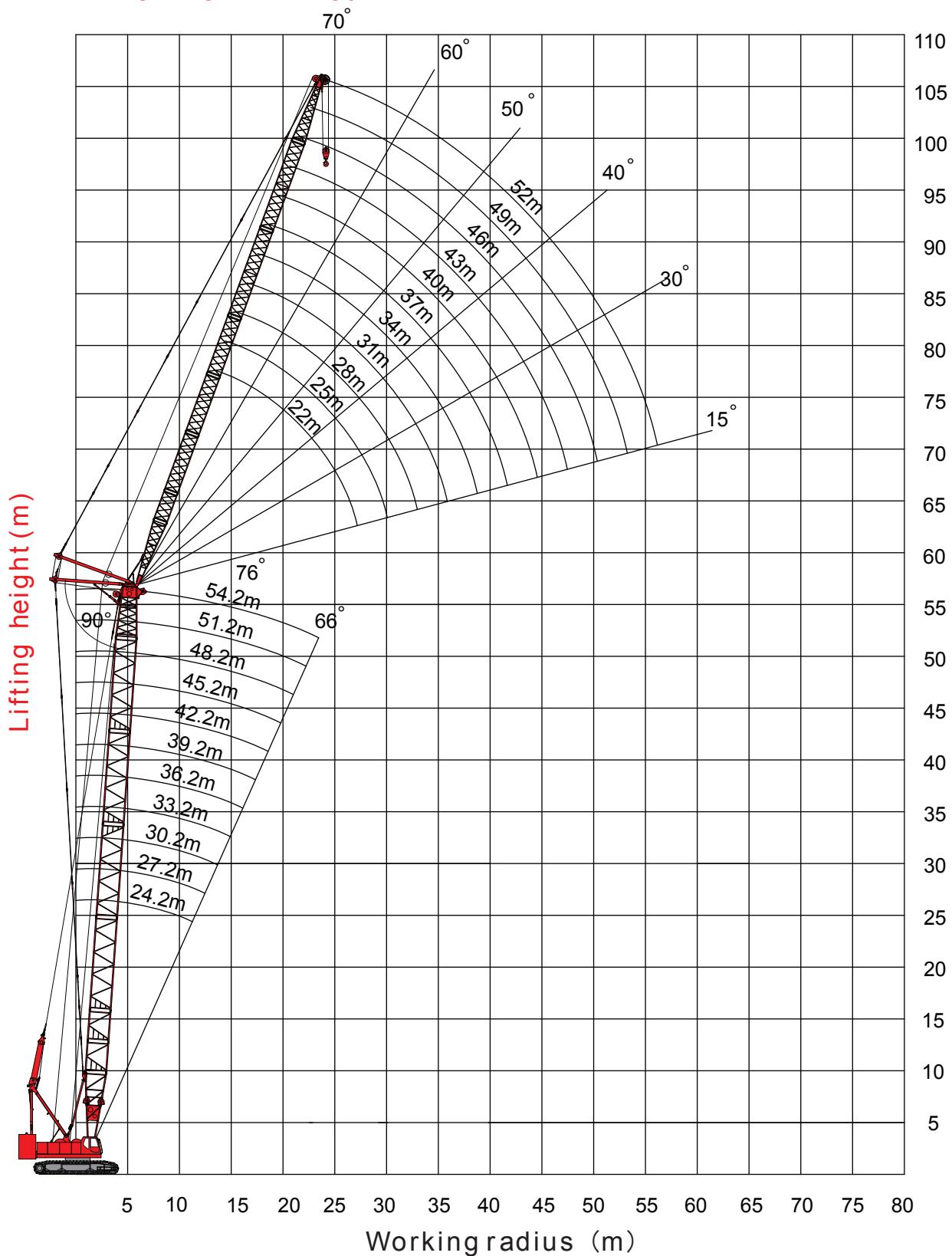


10t

Main boom length	51.2m									
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m				
Main boom angle	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°	76.0°	66.0°	86.0°
14.0m	28.6									
16.0m	25.9	24.7								
18.0m	23.6	22.5	21.3							
20.0m	21.6	20.7	19.6	16.8						
22.0m	19.9	19.1	18.1	15.7	12.2	8.7				
24.0m	18.4	17.7	16.8	14.6	11.4					
26.0m	14.1	16.5	15.7	13.6	10.6	8.1				
28.0m	13.1	15.4	14.7	12.7	9.8	7.5				
30.0m	12.2	14.4 11.7	13.8	11.8	9.1	6.9				
34.0m		10.3	12.2 9.8	10.3 9.4	7.8	5.8				
38.0m	7.6	9.2	8.7	9.0 8.3	6.7 7.9	4.9				
42.0m	6.8	6.4	7.9	7.5	5.7 7.1	4.1 6.0				
46.0m		5.8	5.4	6.8	6.4	3.3 5.1				
50.0m			4.9	4.6	5.8	2.7 4.2				
54.0m				4.2	5.1 3.8	3.5				
58.0m					3.5	2.9 3.1				
62.0m					3.2	2.8				
66.0m						2.6				

Working Range HT

Working range of luffing jib (HT)



Rated Lifting Capacity Load Chart HT



86°.76°.66°

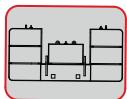
24.2m-54.2m



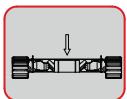
22m-52m



360°



64t



10t

Main boom length	54.2m											
Fly jib length	22.0m	28.0m	34.0m	40.0m	46.0m	52.0m	76.0°	76.0°	66.0°	76.0°	76.0°	66.0°
Main boom angle	86.0°	86.0°	86.0°	86.0°	86.0°	86.0°	86.0°	86.0°	86.0°	86.0°	86.0°	86.0°
14.0m	26.2											
16.0m	23.7	22.5										
18.0m	21.5	20.5	19.4									
20.0m	19.7	18.8	17.8	16.7								
22.0m	18.1	17.4	16.4	15.4	12.3							
24.0m	16.8	16.1	15.2	14.3	11.4	8.8						
26.0m	13.6	15.0	14.2	13.3	10.6	8.2						
28.0m	12.6	14.0	13.3	12.5	9.9	7.5						
30.0m	11.7	13.1	11.2	12.4	9.2	6.9						
34.0m	10.3	9.8	11.0	9.4	10.4	5.9	5.9					
38.0m		8.8	8.3	9.1	6.8	4.9						
42.0m	6.3	5.9	7.5	8.0	7.1	5.8	6.7	4.1	6.2			
46.0m		5.3	4.9	6.5	6.0	3.4	5.2					
50.0m			4.5	5.9	4.2	5.5	4.4	2.7				
54.0m				3.8	5.0	3.6						
58.0m				3.5	3.1	3.0	2.7					
62.0m					2.8		2.5					
66.0m							2.3					

Notes for Rated Lifting Capacity Load Chart

Notes:

1. The load charts are calculated according to EN13000.
2. The maximum allowable wind speed in the calculation of load chart is 9.8m/s. The estimation of sail area should be according to EN13000, and also take wind resistance coefficient 1.2 into account. When the sail area is large, please reduce the maximum wind speed to ensure a safe lifting.
3. Lifting capacities are given in metric tons.
4. The weight of the load hook and hook blocks as well as of the lifting tackle must be deducted from the lifting capacities.
5. The working radius are measured from the slewing centerline.
6. The subsoil must be even and of good bearing capacity.
7. Hook block weight:
150t hook block....3.400t; 100t hook block....1.750t; 50t hook block....0.750t ,
25t hook block....0.760t, 15t hook block....0.700t. All should be based on crane actual hook weight.
8. The counterweights mounted on basic machine weight 64t.
9. Stability is minimum over sides.
10. Subject to modification of lifting capacities.
11. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane, please take from the operation manual and the load chart book.

Note:

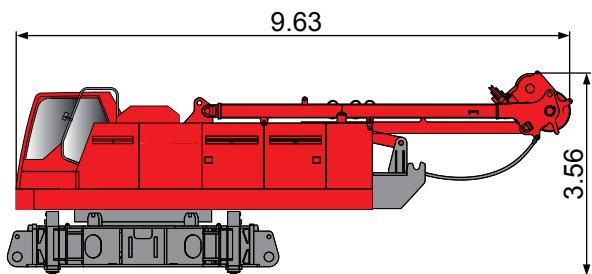
It should be understood that the listed rated lifting capacities are not finally decided results. they may vary with mechanical changes as subject of on-going product development.

Abbreviations:

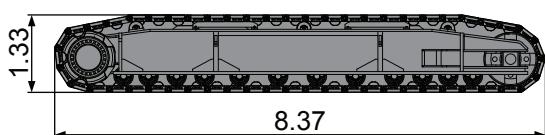
B= Boom, L= Length, Ld R= Load Radius

Transportation Dimensions and Weights

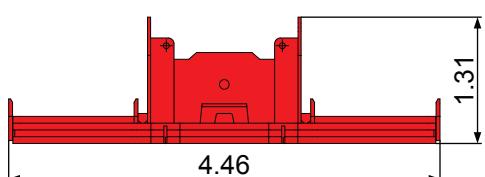
Unit: m



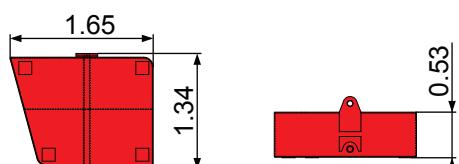
Basic crane	x 1
(Turntable, chassis, front/rear winch, main derrick winch, A-frame, ballast, jack cylinder.)	
Length	9.63m
Width	3.38m
Height	3.56m
Weight	45000Kg



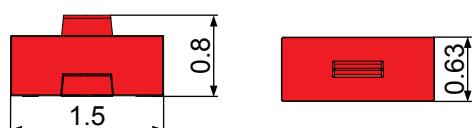
Track frame	x 2
Length	8.37m
Width	1.52m
Height	1.33m
Weight	20400Kg



Counterweight A (basic plate)	x 1
Length	4.46m
Width	1.66m
Height	1.31m
Weight	12526Kg



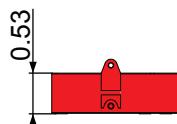
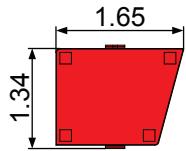
Counterweight B	x 5
Length	1.65m
Width	1.34m
Height	0.53m
Weight	4569kg



Counterweight C	x 2
Length	1.50m
Width	0.63m
Height	0.80m
Weight	2827Kg

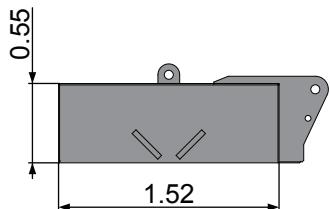
Transportation Dimensions and Weights

Unit: m



Counterweight D

Length	1.65m
Width	1.34m
Height	0.53m
Weight	4707Kg

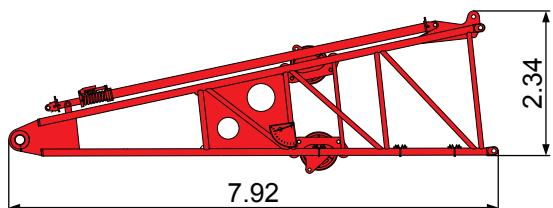


Central ballast

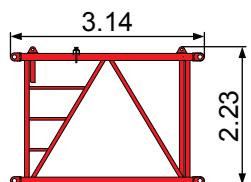
Length	1.62m
Width	1.52m
Height	0.55m
Weight	5100Kg

Transportation Dimensions and Weights

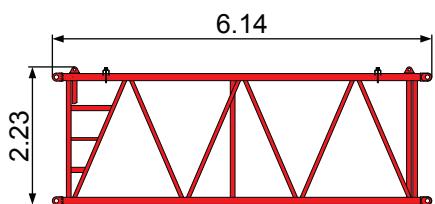
Unit: m



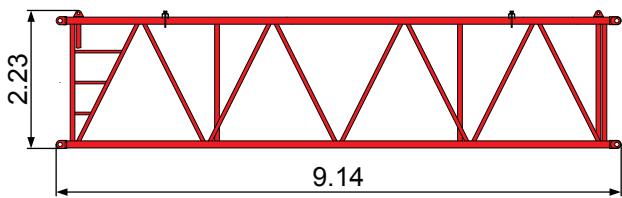
Main boom foot	$\times 1$
Length	7.92m
Width	2.13m
Height	2.34m
Weight	3366Kg



Main boom 3m insert	$\times 2$
Length	3.14m
Width	2.13m
Height	2.23m
Weight	688Kg



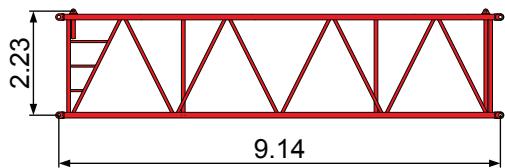
Main boom 6m insert	$\times 1$
Length	6.14m
Width	2.13m
Height	2.23m
Weight	970Kg



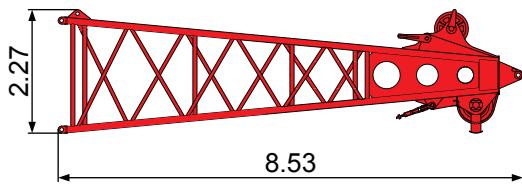
Heavy main boom 9m insert	$\times 4$
Length	9.14m
Width	2.13m
Height	2.23m
Weight	1269Kg

Transportation Dimensions and Weights

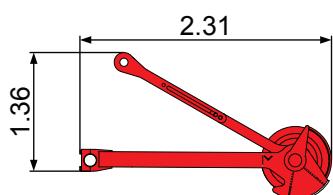
Unit: m



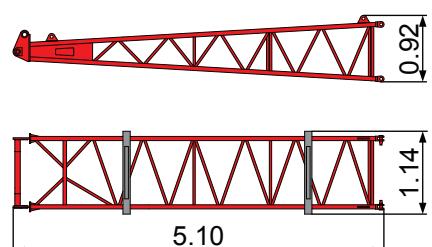
Light main boom 9m insert	$\times 2$
Length	9.14m
Width	2.13m
Height	2.23m
Weight	1186Kg



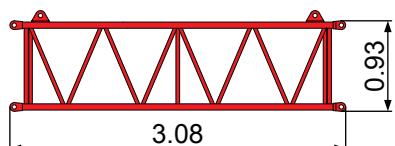
Main boom top	$\times 1$
Length	8.53m
Width	2.13m
Height	2.27m
Weight	2827Kg



Runner	$\times 1$
Length	2.31m
Width	1.11m
Height	1.36m
Weight	426Kg



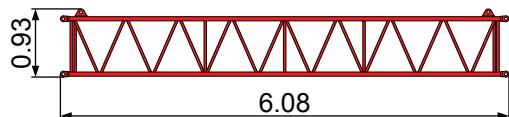
Fly jib foot	$\times 1$
Length	5.10m
Width	1.14m
Height	0.92m
Weight	259Kg



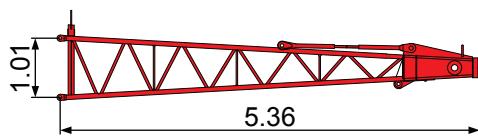
Fly jib 3m insert	$\times 1$
Length	3.08m
Width	1.14m
Height	0.93m
Weight	198Kg

Transportation Dimensions and Weights

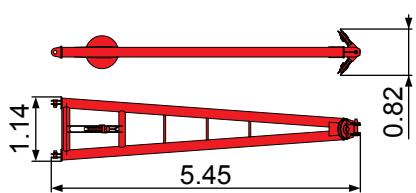
Unit: m



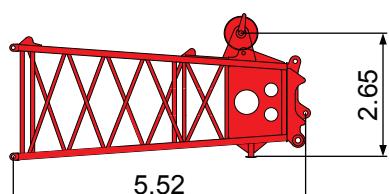
Fly jib 6m insert	×3
Length	6.08m
Width	1.14m
Height	0.93m
Weight	331Kg



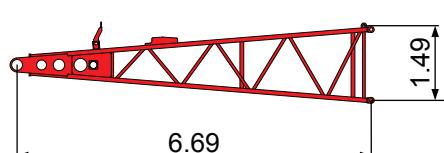
Fly jib top	×1
Length	5.36m
Width	0.86m
Height	1.01m
Weight	320Kg



Fly jib strut	×1
Length	5.45m
Width	1.14m
Height	0.82m
Weight	440Kg



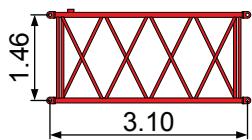
Luffing jib with main boom top	×1
Length	5.52m
Width	2.13m
Height	2.65m
Weight	1997Kg



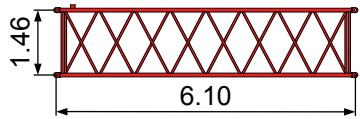
Luffing jib foot	×1
Length	6.69m
Width	1.57m
Height	1.49m
Weight	1168Kg

Transportation Dimensions and Weights

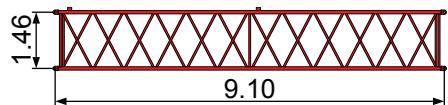
Unit: m



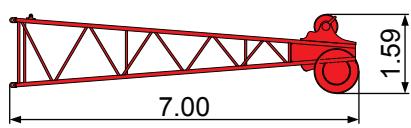
Luffing jib 3m insert	×1
Length	3.10m
Width	1.40m
Height	1.46m
Weight	316Kg



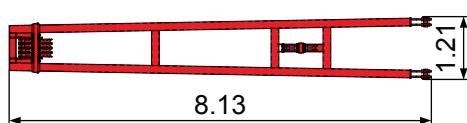
Luffing jib 6m insert	×3
Length	6.10m
Width	1.40m
Height	1.46m
Weight	471Kg



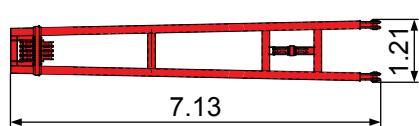
Luffing jib 9m insert	×2
Length	9.10m
Width	1.40m
Height	1.46m
Weight	667Kg



Luffing jib top	×1
Length	7.00m
Width	1.40m
Height	1.59m
Weight	1050Kg



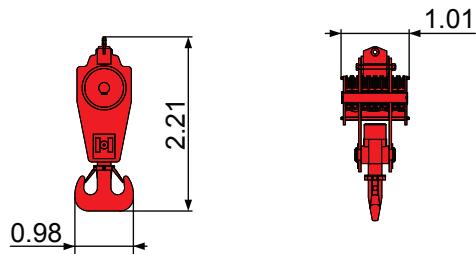
Luffing jib front strut	×1
Length	8.13m
Width	1.21m
Height	0.79m
Weight	1245Kg



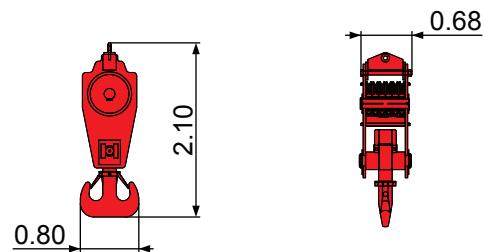
Luffing jib rear strut	×1
Length	7.13m
Width	1.21m
Height	0.96m
Weight	1131Kg

Transportation Dimensions and Weights

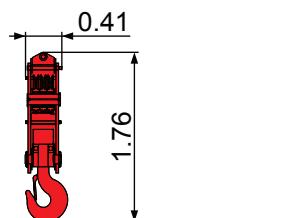
Unit: m



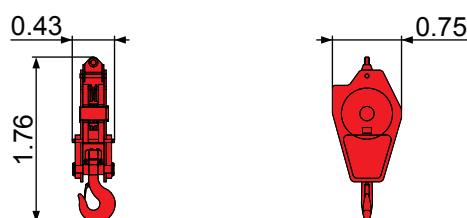
150t Hook	×1
Length	2.21m
Width	0.98m
Height	1.01m
Weight	3400Kg



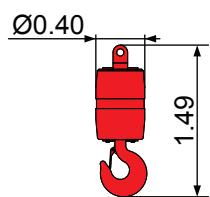
100t Hook	×1
Length	2.10m
Width	0.80m
Height	0.68m
Weight	1750Kg



50t Hook	×1
Length	1.76m
Width	0.75m
Height	0.41m
Weight	750Kg



25t Hook	×1
Length	1.76m
Width	0.75m
Height	0.43m
Weight	760Kg



15t Hook	×1
Length	1.49m
Width	0.40m
Height	0.40m
Weight	700Kg

※ The transportation dimensions and weights of main parts in this brochure are the design value, the actual value may be a little different due to manufacturing choice.



QUY150C

Hydraulic Crawler Crane

Note



Fuwa Heavy Industry Co.Ltd.

No.2 Shuangyang Road, Shuncheng District,

Fushun - Liaoning, China

P.C.113126

Tel: +86-24-57649117/57642558

Fax: +86-24-57642766

Email: export@cnfuwa.com

Web : www.cnfuwa.com

