SAC4000S

SAC4000S ALL-TERRAIN CRANE
400 TONS LIFTING CAPACITY

Quality Changes the World



SANY

COMPANY BRIFE INTRODUCTION

SANY Automobile Hoisting Machinery is one of the core business unit of Sany Heavy Industry, mainly engaged in the research and development of high end, mid to large tonnage crane series, including mobile crane, crawler crane, tower crane and loader crane. It has two industrial parks in Ningxiang and Huzhou, since entering the market, the products of Sany Automobile Hoisting Machinery have received worldwide recognition with advanced technology, lean manufacturing, high reliability and excellent service.



SANY ALL-TERRAIN CRANE

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Cab
Carrier frame
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Hydraulic system
Outriggers
Telescopic boom
Control system
Engine
Lattice jibs
Telescopic system
Transmission system
Superlift devices
Luffing system
Drive/Steer
Luffing lattice jib
Slewing
Axles
winch mechanism:
Counterweight
Tyres
Safety system
Brakes system



Excellent and stable chassis performance

The use of innovative 6-axle chassis design with six drivin
modes and four braking modes can provide more reliabl
traveling performance. High stability and safety are guarantee
with tipping over early-warning technology.



Highly efficient, energy-saving and unique hydraulic control technology

Self-developed dual-pump converging / diversion main valv
is used. Converging flow of the single-action dual-pump
ensures fast operation and high work efficiency and combined
action dual-pump diversion system is applied to ensure stabl
controllability.Electric proportional variable displacement pisto
pump is used to ensure high-accurate flow control, highe
efficiency and energy saving

Superstructure

Cab

- It is made of anti-corrosion steel plate with ergonomic design such as full-coverage soften interior, panoramic sunroof and adjustable seats etc., providing more comfortable and relaxing operation. The display of load moment limiter integrates main console and operation display system, which clearly show the data of all operating conditions for lifting operation.

Engine

- Type: Inline six-cylinder, water cooled, supercharged and inter-cooling diesel engine;
- Rated power: 205kw/2200r/min;
- Environment-protection: Emission complies with EuroIII standard;
- Capacity of fuel tank: 400L.

Hydraulic system

- Open-closed combined independent hydraulic system is adopted for superstructure, which has the feature of load sensitive feature and high action efficiency with, low speed under heavy load, high speed under light load and high action efficiency. The luffing telescopic system adopts open system composed of electric proportional pump and self-control main valve. With four-level pressure selection function coordinated with the displacement of the electric proportional pump, different pressure grade is applied for different corresponding action,achieving energy-saving and safe luffing and telescopic actions. Lifting winch system adopts closed system to avoid throttling loss of the open system and ensure high efficiency and wide speed regulation range. Closed system is used for slewing operation to avoid throttling loss of the open system, thus ensuring high efficiency and good micro-mobility. In addition to the superstructure slewing, boom luffing, telescopic, lifting operations, the lifting of the counterweight, rotation of cab and locking of the rotating bed can be achieved as well.
- The adoption of key hydraulic parts such as high-quality main oil pump, slewing pump, main valve, winch motor and balance valve etc. ensure high stability and reliability of the system. The electric proportional variable displacement piston pump is used to adjust the pump displacement in real-time through changing the opening of the electrical control handle, thus achieving high-precision flow control with no-loss of energy in operation. Self-developed dual-pump converging / diversion main valve is used with single-action dual-pump applied to ensure high converging efficiency and with combined-action dual-pump diversion to ensure good controllability.
- The use of dead-weight luffing compensation hydraulic system ensures excellent lowering micro-mobility and stability.
- Single-cylinder pin telescopic system is used for boom.
- Jib is equipped with luffing cylinder to achieve 0°~40°infinitely luffing.
- Capacity of hydraulic oil tank: 1425L

Control system

- With 24V DC power supply, the PLC integrated programmable controller and CAN-bus control network are used to achieve logic control and electro proportional control of the system by combining with the common electricity.
- With real-time monitoring and fault self-diagnosis system.
- Lifting, slewing and luffing can be controlled by two auto-reset multidirectional electric proportional handles. Foot-type telescopic pedal is used for telescopic operation. Lifting of counterweight, shifting of cab and locking of rotating bed can be controlled through the keys on the control panel;
- Display can be connected with the controller via CAN-bus with main functions as follows: digital adjustment and display of the electro proportional control parameters, display of

Main boom

- It consists of six sec
with oval section ap
cylinder automatic p
booms and achieve
- Basic boom length
70m.

Jib

- There are fixed jib
sectional standard
combination can b
improves automatio
to the actual deman
can be achieved, th
- The max lifting heigh

Luffing system

- The top single-cylin
Hydraulic system a
large-angle fast low
with electro proporti

Superlift devices

- They are arranged
self-assembled and
the stress applied o
down-warping defor
by 20%-30% and the

Slewing system

- It consists of consta
360° full-rotation car
speed of 0-1.3rpm a
adopts the closed sy
ensures a high effici
brake pedal.

Counterweight

- Combined variable
combinations to m
structural parts perf
control with good mi

Superstructure

Safety system

- Load moment limiter: With analytical mechanics method, the load moment limiter calculation system is established based on the load mechanical model. The rated hoisting accuracy can be up to ±3% through on-line non-load calibration.
- Hydraulic system is configured with the balance valve overflow valve, and two-way hydraulic lock etc. ensuring stable and reliable operation of the hydraulic system.
- Main and auxiliary winches are configured with 3-wraps protectors to prevent over roll-out of wire rope.
- Boom and jib are configured with height limiters at ends to prevent over-hoist of the wire rope.
- Boom head is equipped with anemometer to detect whether the high-altitude wind speed is within the allowable range.
- With superlift rope rewinding and release pull protection program, jib installation protection and lifting load protection program.

Main hoisting system

- Planet-gear speed reducer and special groove winch drum are driven by hydraulic motor with brake installed internally.
- Wire rope lock: High-quality wire rope lock with casting at ends is applied. It is installed in the lock sleeve directly, which improves the replacement speed of the lifting rate.
- Spec. of wire rope: ϕ24-2160, non-rotating;
- Length: About 400m;
- Max. single rope speed (outer layer): About 130m/min.

Luffing jib winch mechanism

- Planet-gear speed reducer and special groove winch drum are driven by hydraulic motor, with brake installed internally. Anti-winding wire rope is used. Separate rotation can be achieved together with the auxiliary hoisting system.
- Spec. of wire rope: ϕ24-2160, non-rotating;
- Length: About 700m;
- Max. single rope speed (outer layer): about 130m/min.

Cab

- Cab is made of new absorption and tight suspended driver's mirror, comfortable and complete cont operation experienc

Carrier frame

- Designed and manu high-strength steel p

Outriggers

- Four-point supporti stability with Max. s the electro proport Outrigger control pa control precision an

Engine

- Type: Electric contr cooling diesel engin
- Rated power: 440kw
- Max torque: 2800Nm
- Environment-protect
- Capacity of fuel tank

Transmission system

- Gearbox: Manual / A applied, which meet
- Transfer case: Tran 30000N.m and with
- Transmission shaft: is more stable and transmission shaft is

Axles

- Full-axle steering is 1, 3, 5 and 6 equip adopt the bar-feedb electro-hydraulic co mode optional appli

Suspension system

- Axle suspension dev with the hydraulic l suspension, rigid loc and lowering modes and adaptability of and comfortable trav

Tyres

- 12 * 16.00R25

Chassis

Steering system

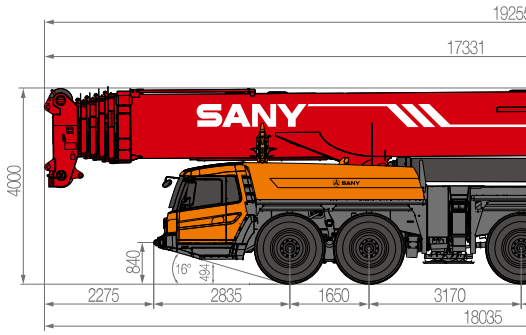
- Servo power steering gear and dual-circuit system hydraulic steering device are used with emergency steering pump equipped. Steering can be adjusted through regulating the speed. Axles 3 and 4 steering will stop from 30km/h and from 60km/h for axles 5 and 6.
- Six types steering modes: 1) Road running mode (default mode); 2) Full-wheel steering mode. 3) Crab-type mode. 4) Steering mode without deflection. 5) Independent rear-axle steering mode. 6) Steering mode with rear axle locked.

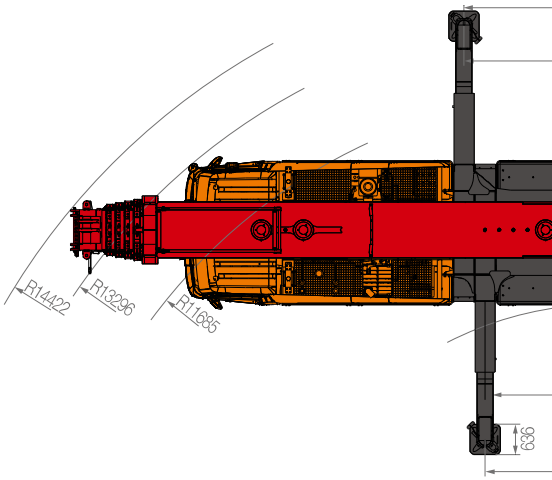
Brakes system

- Brakes system includes traveling brake, parking brake, emergency brake, and auxiliary brake.
- Traveling brake: All wheels use the air servo brakes and dual-circuit brake system and are equipped with drum brakes.
- Parking brake: Force driven by accumulator is applied on the second to sixth axle. Emergency brake: Accumulator is used not only for cutting-off brake but also for emergency brake;
- Auxiliary brake consists of engine brake and exhaust brake etc. There are double brakes for the engine, hydraulic power retarder brake for reducer and eddy current retarder brake for four axle which ensure high safety and reliability of the travelling.

Electrical system

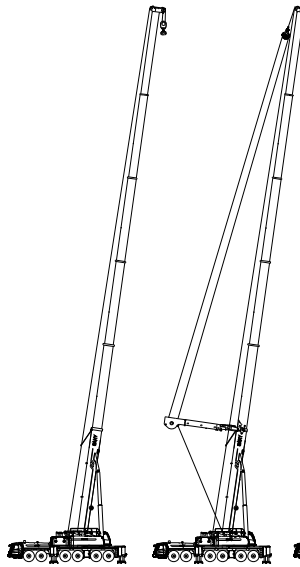
- With 24V DC power supply, cutting off power of the undercarriage can be achieved; automotive lighting system is equipped; vehicle actions, such as throttle and outrigger control, can be electrically controlled; electrical system has strong detection, logic, and calculation capacity with fault self-diagnosis, centralized display and self-protection function;
- Chassis adopts CAN-bus system; multifunctional centralized display system is used; power consumption is small with maximum value of only 5w; four functional keys are provided on the user interface; LCD display is used with adjustable contrast ratio.

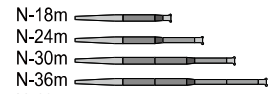


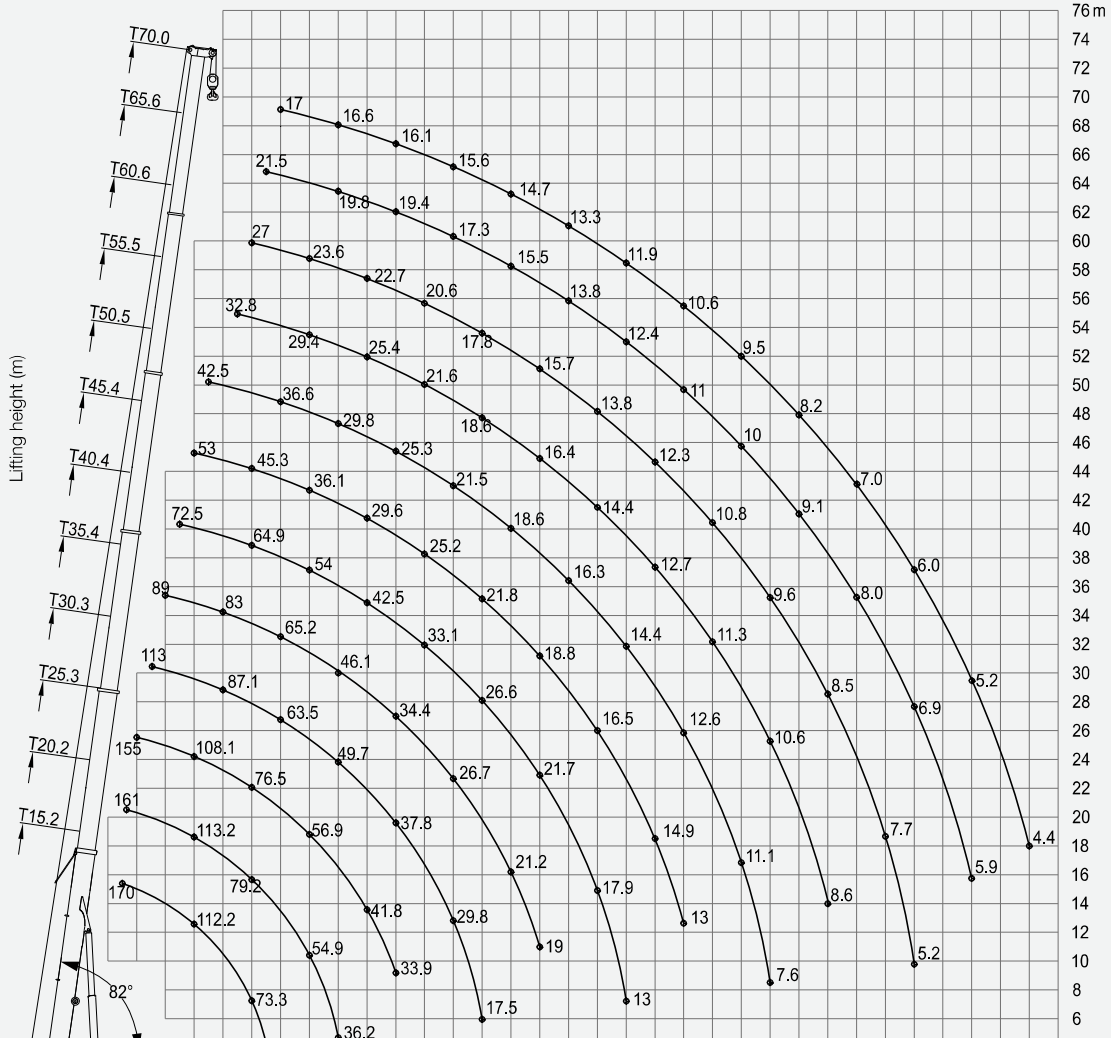


TECHNICAL PARAMETER

Type	Item		Parameter
Capacity	Max. lifting capacity		400t
Dimensions	Overall length		18035mm
	Overall width		3000mm
	Overall height		4000mm
	Axle distance	Axle-1,2	1650mm
		Axle-2,3	3170mm
		Axle-3,4	1650mm
		Axle-4,5	2440mm
		Axle-5,6	1650mm
Weight	Overall weight		72000 kg
	Axle load	Axle load-1,2,3	12000 kg
		Axle load-4,5,6	12000 kg
Engine	Rated power		440 kW/1800rpm
	Rated torque		2800 N.m/ 1300 rpm
	Rated power		205 kW/2200rpm
	Rated torque		1100 N.m/ 1200 rpm~1600 rpm
Traveling	Max.traveling speed		80 km/h
	Turning radius	Min.turning radius	12 m
		Min.turning radius of boom head	14.4 m
	Wheel formula		12 × 8
	Min.ground clearance		360 mm
	Approach angle		16 °
	Departure angle		18 °
	Max.gradeability		49%
	Fuel consumption per 100km		≤ 114 L
Main Performance Data	Temperature range		– 20 °C ~ + 50 °C
	Min.rated range		3 m
	Tail slewing radius of swingtable		5735 mm
	Boom section		6
	Boom shape		U-shaped
	Max.lifting moment	Base boom	11520 kN·m
		Full-extend boom	8180 kN·m
		Max. length of main boom+fixed jib	1995 kN·m
		Max. length of main boom+ tower jib	1768 kN·m
	Boom length	Base boom	15.2 m
		Full-extend boom	70 m
		Max. length of main boom+fixed jib	65.6+2.5+42 m
		Max. length of main boom+tower jib	55.5+7+78 m
	Outrigger span (Longitudinal×Transversal)		8.95 × 8.6 m
	Jib offset		0°,20°,40°
	Max.single rope lifting speed of main winch (no load)		130 m/min
	Max.single rope lifting speed of auxiliary winch (no load)		130 m/min

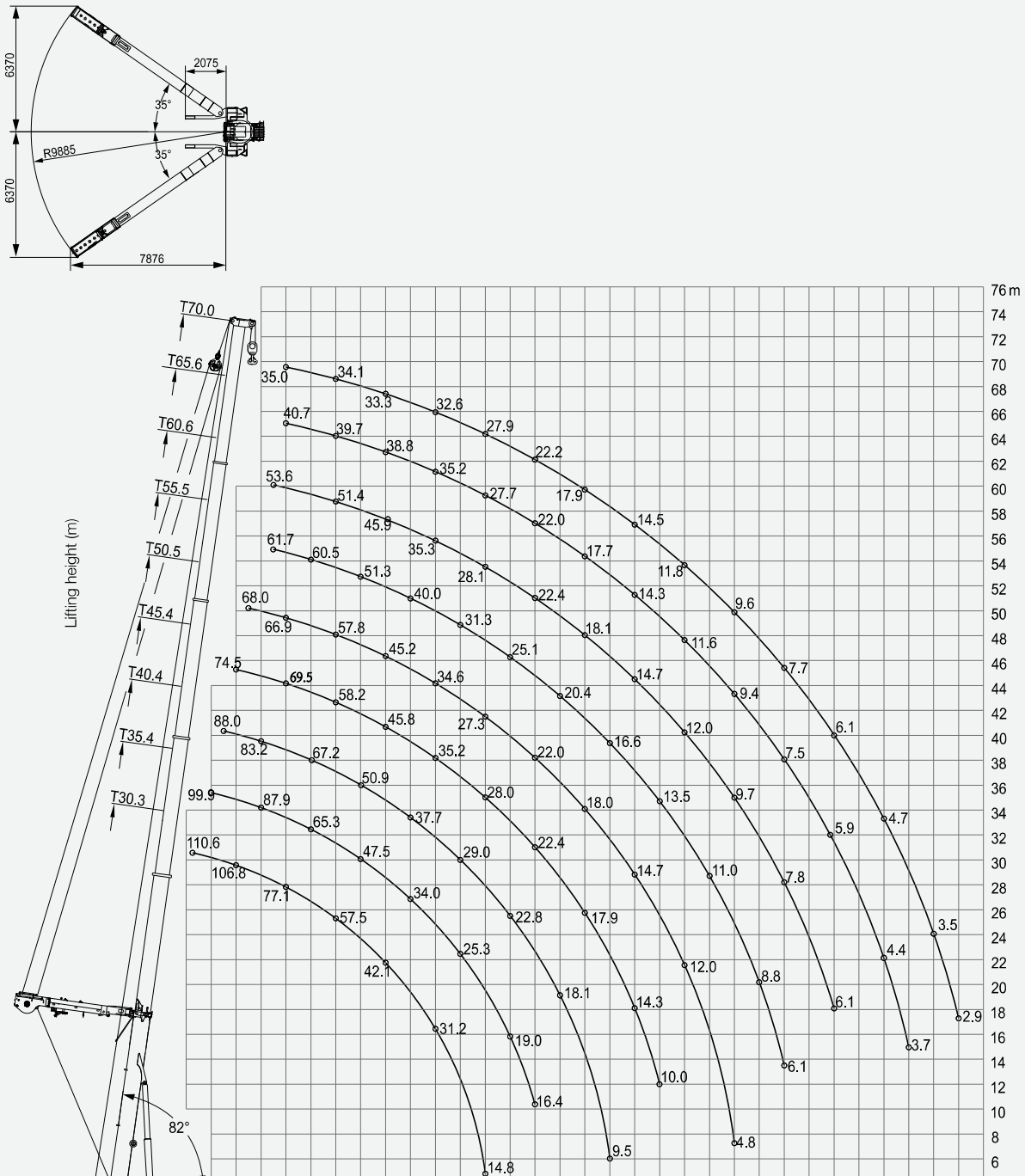






Prerequisites:
① **Boom operating conditions(fully extended boom length**
② **The span of outriggers is 8.95m×8.6m**
③ **360°rotation is applied**
④ **Counterweight is 100T**

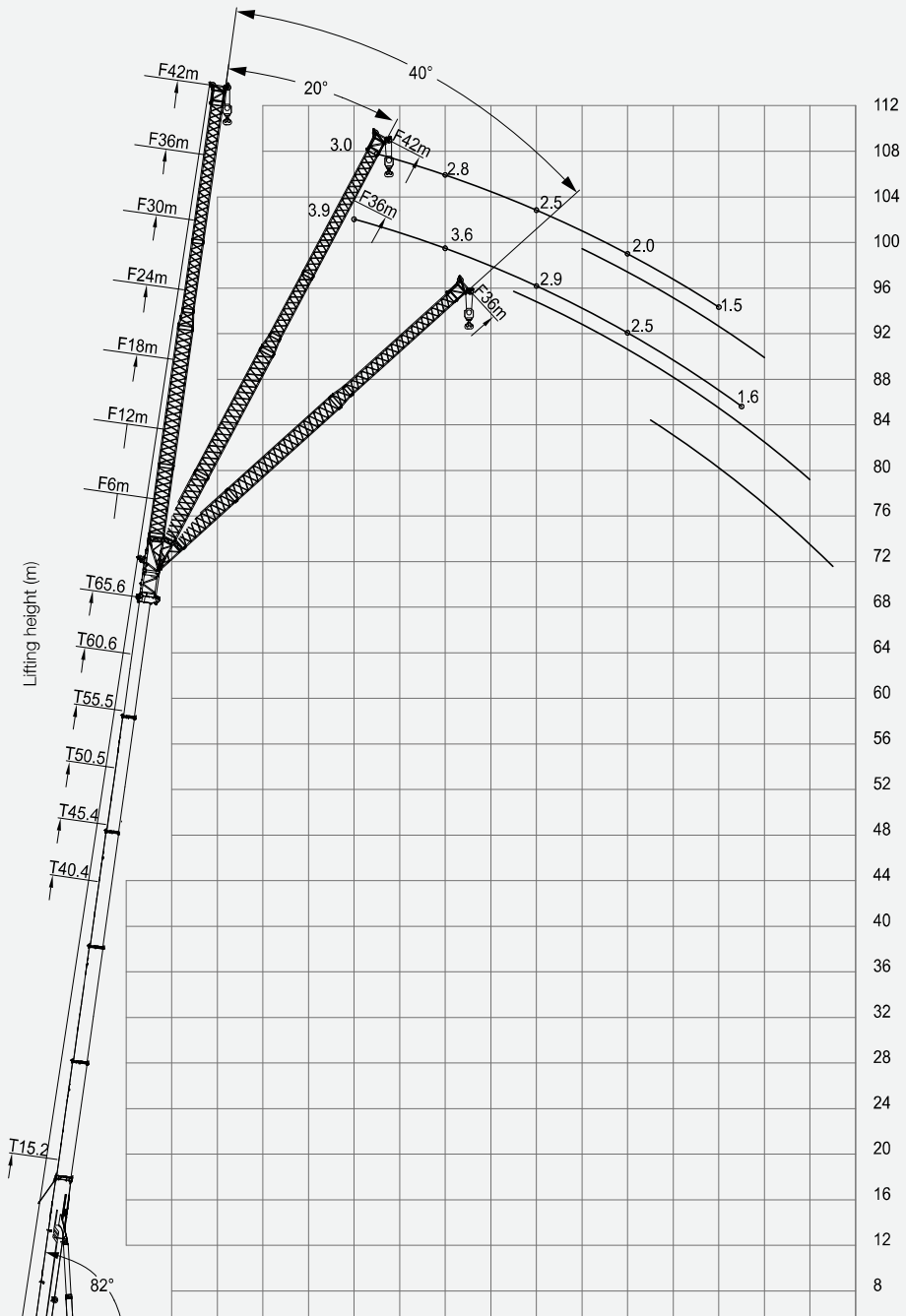
working range	15.2m*	15.2m	20.2m	25.3m	30.3m	35.4m	M
2.5	400.0						
3	350.0	170.0					
3.5	260.0	170.0	161.0				
4	235.0	170.0	161.0	155.0			
4.5	215.0	165.2	161.0	150.0			
5	198.0	155.0	156.0	145.0	113.0		
6	175.0	137.8	138.9	135.0	112.0	89.0	
7	157.0	123.8	125.0	122.0	106.2	87.0	
8	142.0	112.2	113.2	110.0	103.2	86.0	
9	128.0	102.5	103.0	100.0	96.0	85.0	
10	112.0	94.2	94.2	92.0	87.1	83.0	
11	98.0	84.7	86.5	88.0	79.5	81.0	
12	86.0	73.3	79.2	85.0	72.9	76.0	
13	66.0	56.5	72.7	73.0	68.0	70.8	
14			67.1	68.5	59.5	65.2	
16			54.9	59.5	52.2	54.6	
18			36.2	52.2	44.5	46.1	
20				44.5	43.1	39.6	
22				35.0	37.8	34.4	
24					33.2	30.2	
26					29.8	26.7	
28					17.5	23.7	
30						21.2	
32						19.0	
34							
36							
38							
40							
42							
44							
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50							
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56							
58							
60							
62							
64							
66							
68							
n		14	13	13	10	8	



Prerequisites:
① Boom operating conditions(fully extended boom length
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 35°

working range	Main b				
	30.3m	35.4m	40.4m	45.4m	
4.5	110.6				
5	112.7				
6	112.7	99.9			
7	111.3	102.4	88.0		
8	106.8	101.2	87.0	74.5	
9	98.7	94.9	86.0	74.5	
10	87.7	87.9	83.2	74.1	
11	83.5	80.6	79.1	72.3	
12	77.1	77.0	74.9	69.5	
13	71.4	71.3	70.4	67.1	
14	66.4	65.3	67.2	65.1	
16	57.5	55.4	58.6	58.2	
18	49.5	47.1	50.9	51.7	
20	42.1	39.8	43.6	45.8	
22	36.2	34.0	37.7	40.0	
24	31.4	29.3	33.0	35.2	
26	25.6	25.3	29.0	31.3	
28	14.8	21.9	25.7	28.0	
30		19.0	22.8	25.0	
32		16.4	20.3	22.4	
34			18.1	20.0	
36			16.1	17.9	
38			9.5	16.1	
40				14.3	
42				10.0	
44					
46					
48					
50					
52					
54					
56					
58					
60					
62					
64					
66					
68					
n	10.0	9.0	7.0	6.0	
m/s	9.0	9.0	9.0	9.0	

1. Values listed in the table refer to rated lifting capacity measured at flat a
2. Values listed in the table refer to rated boom length,the max values of d



Prerequisites:
① **Boom operating conditions(boom length + adapter+ jib max.length is 65.6m+2.5m+6m**
② **The span of outriggers is 8.95m×8.6m**
③ **360°rotation is applied**
④ **Counterweight is 100T**

working range	Main boo									
	15.2+2.5m*			40.4+2.5m*			45.4+2.5m*			5
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°
3.5										
4.0	43.2									
4.5	41.6									
5	39.8									
6	36.4									
7	33.0	30.0								
8	30.2	27.6	25.6							
9	27.6	25.8	24.1							
10	26.3	24.3	22.7							
11	24.6	22.8	21.6							
12	23.1	21.6	20.3							
13	21.2	20.7	19.6							
14	19.9	19.5	18.6							
16	18.3	17.5	16.5							
18	16.6	16.3	14.3							
20	15.3	15.1	8.7							
22										
24										
26										
28										
30										
32										
34										
36										
38										
40										
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66										
68										
70										

LOAD CHART

Prerequisites:
① Boom operating conditions(boom length + adapter + jib length), max.length is 65.6m+2.5m+12m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T

working range	Main boom + Adapter+ Jib																					working range
	15.2+2.5m*			40.4+2.5m*			45.4+2.5m*			50.5+2.5m*			55.5+2.5m*			60.6+2.5m*			65.6+2.5m*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
5	31.0																					5
6	28.6																					6
7	26.1																					7
8	24.3																					8
9	22.5																					9
10	21.0	18.6																				10
11	19.5	17.6																				11
12	18.2	16.5																				12
13	17.0	15.4	14.3																			13
14	15.6	14.9	13.5																			14
16	14.1	13.5	12.5										17.6									16
18	12.5	12.4	11.2										16.7			13.8						18
20	11.4	11.3	10.6										15.6			13.2			10.9			20
22	10.3	10.1	9.8										14.6	14.1		12.5			10.5			22
24	9.6	9.6	9.2										13.7	13.5	10.0	11.8	11.8		10.0	9.5		24
26	8.9	9.0	7.2										12.8	13.0	9.8	11.1	11.2	9.9	9.5	9.1		26
28													11.9	12.2	9.6	10.4	10.6	9.7	9.0	8.7	8.4	28
30													11.1	11.4	9.4	9.7	10.0	9.5	8.5	8.3	8.1	30
32													10.4	10.6	9.3	9.1	9.4	9.3	8.0	7.9	7.7	32
34													9.7	9.9	9.1	8.5	8.8	8.8	7.5	7.6	7.5	34
36													9.1	9.3	9.0	7.9	8.2	8.3	7.1	7.2	7.2	36
38													8.4	8.6	8.8	7.4	7.7	7.8	6.6	6.8	6.8	38
40													7.8	8.0	8.2	6.9	7.1	7.3	6.2	6.4	6.5	40
42													7.2	7.4	7.6	6.4	6.7	6.8	5.8	6.0	6.2	42
44													6.7	6.9	7.0	6.0	6.2	6.3	5.4	5.6	5.8	44
46													6.1	6.4	6.5	5.5	5.7	5.9	5.0	5.3	5.4	46
48													5.7	5.9	6.0	5.1	5.3	5.4	4.6	4.9	5.0	48
50													5.2	5.4		4.7	4.9	5.0	4.3	4.5	4.7	50
52													4.8	4.9		4.3	4.5		3.9	4.2	4.3	52
54													4.4	4.5		3.9	4.1		3.6	3.8	3.9	54
56													4.0	4.1		3.5	3.7		3.3	3.5		56
58													3.6	3.7		3.2	3.4		3.0	3.2		58
60													3.3	3.4		2.9	3.0		2.7	3.0		60
62													3.0			2.6	2.8		2.4	2.7		62
64													2.7			2.4	2.5		2.1	2.4		64
66													2.4			2.1			1.9	2.1		66
68																1.9			1.7	1.9		68
70																1.6						70
72																						72
74																						74
76																						76
78																						78

Prerequisites:
① Boom operating conditions(boom length + adapter + jib
max.length is 65.6m+2.5m+18m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T

working range	Main boo									
	15.2+2.5m*			40.4+2.5m*			45.4+2.5m*			5
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°
7	21.2									
8	19.5									
9	18.6									
10	17.9									
11	16.5									
12	15.4	13.1								
13	14.8	12.8								
14	13.8	11.7		19.4			19.0			
16	12.4	10.9		17.9			17.8			16.7
18	11.2	9.6		16.5			16.7			15.9
20	10.2	9.0	9.5	15.4	10.5		15.7	10.8		15.0
22	9.1	8.2	8.9	14.4	10.2		14.8	10.4		14.3
24	8.2	7.6	8.2	13.6	9.8	7.8	13.9	10.1		13.6
26	7.6	7.1	7.6	12.8	9.5	7.7	13.1	9.7	7.8	12.9
28	7.0	6.7	7.2	12.1	9.1	7.5	12.4	9.4	7.6	12.2
30	6.5	6.2	6.7	11.4	8.8	7.4	11.6	9.1	7.5	11.6
32	6.2	6.0	6.5	10.7	8.6	7.3	11.1	8.9	7.4	11.0
34				10.1	8.3	7.2	10.5	8.6	7.3	10.3
36				9.6	8.1	7.1	9.9	8.3	7.2	9.7
38				9.1	7.8	7.0	9.5	8.0	7.1	9.0
40				8.7	7.5	6.9	9.0	7.7	7.0	8.4
42				8.3	7.2	6.9	8.6	7.5	6.9	7.8
44				7.9	7.0	6.8	8.2	7.2	6.9	7.2
46				7.6	6.8		7.8	7.0	6.8	6.7
48				7.2	6.6		7.4	6.8		6.2
50				7.0	6.4		6.9	6.6		5.8
52				6.7	6.3		6.4	6.4		5.3
54				6.5			5.9	6.1		4.9
56				6.3			5.5	5.7		4.5
58				5.3			5.0			4.2
60							4.6			3.8
62							4.1			3.5
64										3.2
66										2.9
68										1.8
70										
72										
74										
76										
78										

*adapter

Prerequisites:
① Boom operating conditions(boom length + adapter + jib length), max.length is 65.6m+2.5m+24m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T

working range	Main boom + Adapter+ Jib																					working range
	15.2+2.5m*			40.4+2.5m*			45.4+2.5m*			50.5+2.5m*			55.5+2.5m*			60.6+2.5m*			65.6+2.5m*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	16.3																					8
9	15.6																					9
10	14.5																					10
11	13.6																					11
12	112.8																					12
13	11.7																					13
14	10.8			13.5																		14
16	9.6	9.6		12.8			13.1															16
18	8.4	8.5		12.1			12.5			12.5												18
20	7.6	7.9		11.6			12.0			11.9			11.0			9.1						20
22	7.0	7.1	6.6	11.1	7.7		11.5			11.3			10.7			8.9			7.0			22
24	6.3	6.4	6.2	10.4	7.3		10.8	7.5		10.6			10.1			8.4			6.7			24
26	5.8	5.9	5.6	9.7	6.7		10.0	6.9		9.7	7.1		9.3			7.8			6.3			26
28	5.4	5.5	5.3	8.8	6.1	4.3	8.9	6.2		8.8	6.4		8.5	7.2		7.1			5.7			28
30	5.0	5.0	5.0	7.8	5.5	4.2	8.0	5.6	4.3	7.9	5.8		7.7	6.7		6.4	6.7		5.2			30
32	4.6	4.5	4.7	7.4	5.2	4.2	7.6	5.5	4.2	7.5	5.6	4.2	7.2	6.2		6.0	6.3		5.0	5.2		32
34	4.2	4.3	4.5	6.9	5.1	4.0	7.1	5.2	4.1	7.1	5.4	4.2	6.8	5.6	4.2	5.8	5.8		4.8	4.8		34
36	3.9	4.0	4.3	6.5	4.9	3.9	6.7	5.1	4.0	6.8	5.2	4.1	6.4	5.4	4.2	5.4	5.2	4.2	4.6	4.4		36
38	3.6	3.8		6.2	4.6	3.8	6.4	4.9	3.9	6.5	5.1	4.0	6.0	5.2	4.1	5.1	5.1	4.1	4.3	4.0	3.7	38
40				5.9	4.5	3.7	6.0	4.7	3.8	6.1	4.9	3.9	5.6	5.1	4.0	4.8	4.8	4.1	4.1	3.8	3.6	40
42				5.5	4.4	3.7	5.8	4.6	3.7	5.9	4.7	3.8	5.3	4.9	3.9	4.5	4.7	4.0	3.9	3.7	3.4	42
44				5.3	4.2	3.7	5.5	4.4	3.7	5.6	4.6	3.7	4.9	4.7	3.8	4.3	4.5	3.9	3.7	3.5	3.3	44
46				5.0	4.2	3.6	5.3	4.3	3.7	5.3	4.5	3.7	4.6	4.6	3.7	3.9	4.3	3.8	3.4	3.4	3.2	46
48				4.8	4.0	3.6	5.0	4.2	3.6	4.9	4.3	3.7	4.3	4.4	3.7	3.7	4.0	3.8	3.2	3.2	3.1	48
50				4.6	3.9	3.5	4.8	4.1	3.6	4.6	4.2	3.6	4.0	4.2	3.7	3.4	3.7	3.7	3.0	3.1	3.0	50
52				4.3	3.8		4.6	4.0	3.5	4.3	4.2	3.6	3.7	3.9	3.7	3.1	3.5	3.7	2.7	3.0	2.9	52
54				4.2	3.7		4.4	3.9		3.9	4.0	3.5	3.4	3.7	3.6	2.9	3.2	3.4	2.6	2.8	2.8	54
56				4.0	3.7		4.3	3.8		3.7	3.9	3.5	3.1	3.4	3.6	2.6	3.0	3.1	2.3	2.6	2.7	56
58				3.8	3.6		4.0	3.7		3.3	3.7	3.3	2.9	3.1	3.3	2.5	2.7	2.9	2.1	2.4	2.6	58
60				3.7			3.7	3.7		3.1	3.4		2.6	2.9		2.2	2.6	2.6	2.0	2.2	2.5	60
62				3.7			3.5	3.6		2.8	3.1		2.4	2.6		2.0	2.3	2.5	1.7	2.0	2.2	62
64				3.1			3.2			2.6	2.8		2.1	2.4		1.8	2.0		1.5	1.8	2.0	64
66							3.0			2.4	2.6		2.0	2.1		1.5	1.9			1.6	1.8	66
68							2.6			2.1	2.4		1.7	2.0			1.6					68
70										2.0			1.5	1.7								70
72										1.8												72
74																						74
76																						76
78																						78

*adapter

Prerequisites:
① Boom operating conditions(boom length + adapter + jib
max.length is 65.6m+2.5m+30m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T

working range	Main boo									
	15.2+2.5m*			40.4+2.5m*			45.4+2.5m*			5
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°
9	12.3									
10	12.1									
11	11.8									
12	11.3									
13	10.6									
14	10.1									
16	9.2			9.8			9.6			
18	8.5	7.0		9.2			9.0			8.8
20	7.6	6.5		8.6			8.5			8.3
22	7.0	6.0		8.2			8.0			8.0
24	6.3	5.6		7.8			7.6			7.6
26	5.6	5.1	4.5	7.3	5.8		7.2			7.2
28	5.2	4.6	4.0	7.0	5.6		6.9	5.4		6.9
30	4.7	4.3	3.8	6.7	5.5		6.6	5.3		6.5
32	4.4	4.0	3.6	6.4	5.3		6.3	5.1		6.3
34	4.0	3.6	3.4	6.1	5.1	4.0	6.0	5.0		6.0
36	3.7	3.4	3.2	5.9	4.9	3.8	5.7	4.7	3.7	5.7
38	3.5	3.2	3.0	5.6	4.7	3.7	5.4	4.5	3.6	5.4
40	3.2	2.9	2.8	5.2	4.5	3.6	5.1	4.3	3.5	5.1
42	2.9	2.6		5.0	4.3	3.5	4.8	4.1	3.4	4.8
44	2.6			4.7	4.1	3.4	4.6	4.0	3.3	4.7
46				4.4	3.9	3.3	4.3	3.8	3.3	4.4
48				4.2	3.7	3.2	4.2	3.6	3.3	4.3
50				4.0	3.5	3.2	3.9	3.5	3.2	4.0
52				3.8	3.4	3.1	3.7	3.3	3.1	3.8
54				3.6	3.3	3.0	3.6	3.2	3.1	3.7
56				3.4	3.1	3.0	3.4	3.2	3.0	3.5
58				3.2	3.0		3.2	3.1	3.0	3.2
60				3.2	3.0		3.1	3.0		3.0
62				3.0	2.9		3.0	2.9		2.7
64				2.9	2.9		2.9	2.8		2.6
66				2.8			2.8	2.7		2.3
68				2.7			2.6	2.7		2.1
70							2.5			2.0
72							2.3			1.8
74							2.0			1.5
76										
78										

*adapter

Prerequisites:
① Boom operating conditions(boom length + adapter+ jib length), max.length is 65.6m+2.5m+36m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T

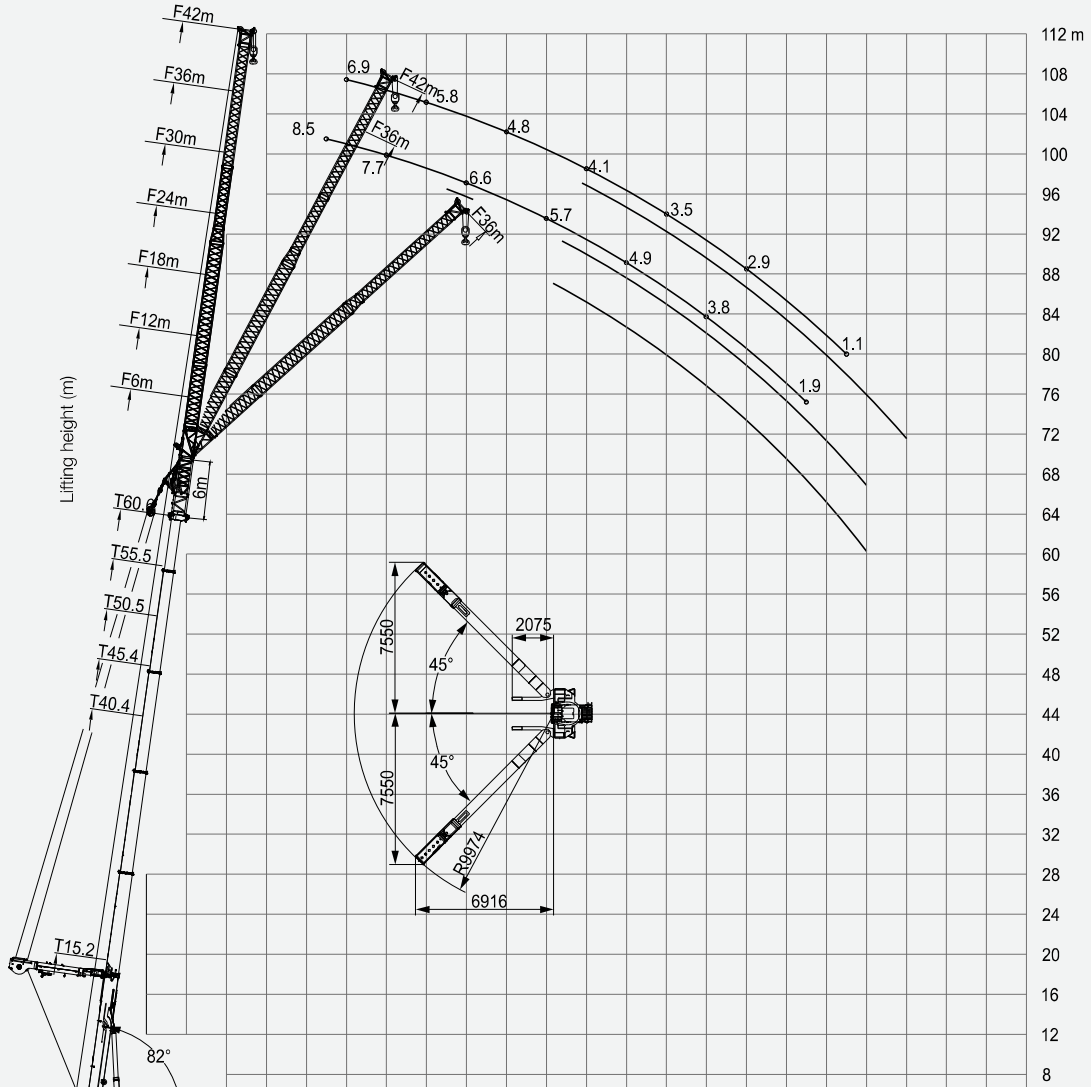
working range	Main boom + Adapter+ Jib																					working range
	15.2+2.5m*			40.4+2.5m*			45.4+2.5m*			50.5+2.5m*			55.5+2.5m*			60.6+2.5m*			65.6+2.5m*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	10.0																					10
11	9.6																					11
12	9.2																					12
13	9.0																					13
14	8.4																					14
16	8.0			8.1																		16
18	7.2			7.6			7.5															18
20	6.6			7.2			7.1			6.9												20
22	6.0	5.3		6.8			6.8			6.5			6.2									22
24	5.4	4.9		6.5			6.5			6.3			6.0			5.5						24
26	5.0	4.5		6.2			6.2			6.0			5.8			5.3			3.9			26
28	4.5	4.1		5.9			5.9			5.7			5.6			5.2			3.8			28
30	4.1	3.8		5.7	4.6		5.6			5.5			5.3			5.0			3.7			30
32	3.6	3.4	3.0	5.4	4.4		5.4	4.3		5.2			5.1			4.8			3.7			32
34	3.6	3.0	2.7	5.2	4.1		5.1	4.0		5.0	3.8		4.9			4.8			3.6			34
36	3.1	2.8	2.6	5.0	3.9		4.9	3.8		4.8	3.6		4.7	3.5		4.6			3.4			36
38	2.8	2.6	2.5	4.7	3.7	2.8	4.6	3.6		4.5	3.4		4.4	3.3		4.4	3.2		3.2			38
40	2.6	2.4	2.3	4.3	3.5	2.7	4.4	3.4	2.6	4.3	3.3		4.2	3.2		4.2	3.1		3.1	2.8		40
42	2.4	2.2	2.1	4.1	3.3	2.6	4.1	3.3	2.5	4.0	3.2	2.4	4.0	3.1		3.9	3.0		2.9	2.7		42
44	2.2	2.1	2.0	3.9	3.2	2.5	3.8	3.1	2.4	3.7	2.9	2.3	3.9	2.8	2.3	3.7	2.7		2.9	2.6		44
46	2.0	1.9	1.9	3.6	3.0	2.5	3.7	3.0	2.4	3.6	2.8	2.3	3.6	2.7	2.2	3.5	2.7	2.2	2.8	2.6		46
48	1.9			3.4	2.9	2.4	3.5	2.9	2.3	3.4	2.7	2.3	3.4	2.7	2.2	3.2	2.6	2.1	2.6	2.5		48
50				3.2	2.9	2.3	3.2	2.8	2.2	3.2	2.7	2.2	3.3	2.6	2.1	3.0	2.5	2.0	2.5	2.4		50
52				3.1	2.8	2.3	3.1	2.7	2.2	3.1	2.6	2.2	3.1	2.5	2.1	2.8	2.4	2.0	2.3	2.3	1.9	52
54				2.9	2.6	2.2	3.0	2.6	2.1	3.0	2.5	2.2	2.9	2.4	2.0	2.6	2.3	2.0	2.1	2.2	1.9	54
56				2.8	2.5	2.2	2.8	2.5	2.1	2.8	2.4	2.1	2.7	2.3	2.0	2.4	2.3	2.0	1.9	2.1	1.8	56
58				2.6	2.4	2.2	2.7	2.4	2.1	2.7	2.3	2.1	2.6	2.3	2.0	2.2	2.2	2.0	1.8	2.1	1.8	58
60				2.5	2.4	2.1	2.6	2.3	2.0	2.6	2.2	2.1	2.3	2.2	1.9	1.9	2.1	1.9	1.6	2.0	1.7	60
62				2.4	2.3	2.1	2.4	2.3	2.0	2.5	2.1	2.0	2.2	2.1	1.9	1.7	2.0	1.9		1.9	1.7	62
64				2.3	2.2		2.3	2.2	2.0	2.3	2.1	2.0	1.9	2.1	1.9	1.5	1.8	1.9		1.7	1.6	64
66				2.3	2.1		2.3	2.1		2.1	2.1	2.0	1.7	2.0	1.9		1.6	1.8		1.6	1.6	66
68				2.2	2.1		2.2	2.1		2.0	2.0	2.0	1.5	1.8	1.9		1.5	1.7			1.5	68
70				2.1	2.0		2.1	2.0		1.8	1.9			1.6	1.8			1.5				70
72				2.0			2.0	2.0		1.7	1.9			1.5								72
74				1.9			1.9	1.9		1.5	1.7											74
76							1.9															76
78							1.8															78

*adapter

Prerequisites:
① Boom operating conditions(boom length + adapter+ jib
max.length is 65.6m+2.5m+42m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T

working range	Main boo									
	15.2+2.5m*			40.4+2.5m*			45.4+2.5m*			5
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°
11	8.0									
12	7.6									
13	7.2									
14	7.0									
16	6.6									
18	6.1			5.7						
20	5.6			5.5			5.6			
22	5.3			5.3			5.4			5.5
24	4.8			5.2			5.3			5.4
26	4.4	3.6		5.1			5.1			5.2
28	4.0	3.3		4.9			5.0			5.1
30	3.7	3.1		4.8			4.9			5.0
32	3.4	2.8		4.7			4.8			4.8
34	3.1	2.7		4.6	3.4		4.7	3.4		4.6
36	2.9	2.5	1.9	4.5	3.2		4.5	3.2		4.4
38	2.6	2.3	1.8	4.3	3.1		4.3	3.0		4.2
40	2.5	2.2	1.7	4.0	2.9		4.1	2.9		4.0
42	2.3	2.0	1.6	3.8	2.8		3.8	2.8		3.8
44	2.1	1.9	1.5	3.6	2.7	2.0	3.6	2.7		3.6
46	2.0	1.7	1.4	3.3	2.5	1.9	3.4	2.6	1.9	3.4
48	1.9	1.6	1.3	3.2	2.4	1.8	3.3	2.4	1.8	3.3
50	1.8	1.4	1.3	3.0	2.3	1.8	3.1	2.4	1.8	3.1
52	1.6	1.3	1.2	2.8	2.2	1.7	2.9	2.3	1.7	3.0
54	1.5	1.2		2.7	2.1	1.7	2.8	2.2	1.7	2.8
56	1.3			2.5	2.1	1.6	2.7	2.1	1.6	2.7
58				2.4	2.0	1.6	2.5	2.0	1.6	2.6
60				2.3	1.9	1.5	2.4	1.9	1.5	2.5
62				2.2	1.9	1.5	2.3	1.9	1.5	2.4
64				2.1	1.8	1.5	2.2	1.8	1.5	2.2
66				2.0	1.7	1.5	2.1	1.8	1.5	2.1
68				1.9	1.6		2.0	1.7	1.5	2.0
70				1.8	1.6		1.9	1.7	1.4	1.9
72				1.7	1.5		1.8	1.6		1.7
74				1.6	1.5		1.8	1.5		1.6
76				1.6	1.5		1.7	1.5		
78				1.5			1.6	1.5		
80				1.5			1.6	1.4		
82							1.5			
84										

*adapter



Prerequisites:

① Boom operating conditions(boom length + adapter+ jib max.length is 65.6m+6m+6m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 45°

working range	Main boom+								
	40.4+6m*			45.4+6m*			50.5+6m*		
	0°	20°	40°	0°	20°	40°	0°	20°	4
10									
11									
12									
13									
14									
16									
18									
20									
22									
24									
26									
28									
30									
32									
34									
36									
38									
40									
42									
44									
46									
48									
50									
52									
54									
56									
58									
60									
62									
64									
66									
68									
70									

*adapter 2.5m+telescopic boom extension 3.5m

Prerequisites:
① **Boom operating conditions(boom length + adapter+ jib length), max.length is 65.6m+6m+12m**
② **The span of outriggers is 8.95m×8.6m**
③ **360°rotation is applied**
④ **Counterweight is 100T**
⑤ **Superlift angle of one-side unfold is 45°**

working range	Main boom+ Adapter+ Jib+ Superlift																		working range
	40.4+6m*			45.4+6m*			50.5+6m*			55.5+6m*			60.6+6m*			65.6+6m*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
4																			4
4.0																			4.0
5																			5
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12
13																			13
14										32.1									14
16										30.4									16
18										28.8			28.1			25.2			18
20										27.3	18.3		27.1			24.6			20
22										25.9	17.8	13.7	25.9	17.7		24.1	17.5		22
24										24.8	17.2	13.4	24.8	17.1	13.3	23.3	17.0		24
26										23.7	16.6	13.2	23.8	16.6	13.1	22.4	16.5	13.1	26
28										22.1	16.2	13.0	22.4	16.2	12.9	21.5	16.1	12.9	28
30										19.6	15.7	12.8	19.8	15.8	12.7	20.1	15.7	12.7	30
32										17.4	15.3	12.6	17.6	15.4	12.6	17.9	15.3	12.6	32
34										15.5	14.9	12.4	15.7	15.0	12.4	16.0	15.0	12.4	34
36										13.8	14.5	12.4	14.0	14.6	12.4	14.3	14.6	12.4	36
38										12.3	14.3	12.3	12.5	14.3	12.3	12.9	14.3	12.3	38
40										11.0	13.5	12.2	11.2	13.0	12.2	11.6	13.3	12.2	40
42										9.8	12.1	12.1	10.0	11.6	12.1	10.4	12.0	12.1	42
44										8.7	10.8	11.4	9.0	10.4	11.3	9.3	10.8	11.4	44
46										7.8	9.6	10.1	8.0	9.3	10.1	8.3	9.7	10.2	46
48										6.9	8.5	9.0	7.1	8.3	9.0	7.5	8.7	9.2	48
50										6.1	7.5	7.4	6.3	7.4	8.0	6.7	7.8	8.2	50
52										5.3	6.6		5.6	6.6	6.6	5.9	6.9	7.3	52
54										4.6	5.8		4.9	5.8		5.2	6.2	6.5	54
56										4.0	5.0		4.3	5.1		4.6	5.5	5.3	56
58										3.4	4.2		3.7	4.4		4.0	4.8		58
60										2.8	3.5		3.1	3.7		3.5	4.2		60
62										2.1	2.7		2.2	3.1		2.4	3.6		62
64														2.2			3.0		64
66																	2.0		66
68																			68
70																			70

Prerequisites:
① **Boom operating conditions(boom length + adapter+ jib max.length is 65.6m+6m+18m**
② **The span of outriggers is 8.95m×8.6m**
③ **360°rotation is applied**
④ **Counterweight is 100T**
⑤ **Superlift angle of one-side unfold is 45°**

working range	Main boom+									working range
	40.4+6m*			45.4+6m*			50.5+6m*			
	0°	20°	40°	0°	20°	40°	0°	20°	4	
4										4
4.0										4.0
5										5
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12
13				24.3						13
14				23.5			23.6			14
16				21.9			22.0			16
18				20.6			20.8			18
20				19.3	12.6		19.7			20
22				18.2	12.1		18.5	12.3		22
24				17.3	11.6	8.7	17.7	11.8		24
26				16.3	11.1	8.6	16.7	11.3	8	26
28				15.5	10.7	8.4	16.0	10.9	8	28
30				14.6	10.4	8.1	15.2	10.5	8	30
32				14.0	10.1	7.9	14.5	10.3	8	32
34				13.2	9.8	7.8	13.9	10.0	7	34
36				12.5	9.4	7.6	13.2	9.7	7	36
38				12.1	9.1	7.4	12.6	9.4	7	38
40				11.5	8.9	7.3	12.0	9.1	7	40
42				11.0	8.6	7.2	10.8	8.9	7	42
44				10.5	8.5	7.1	9.8	8.6	7	44
46				9.5	8.2	7.0	8.8	8.5	7	46
48				8.5	8.0	6.8	7.9	8.3	7	48
50				7.6	7.8		7.1	8.1	6	50
52				6.8	7.6		6.3	7.3		52
54				6.1	7.1		5.6	7.1		54
56				5.4	6.1		5.0	6.8		56
58				4.7	5.0		4.4	5.2		58
60				4.1			3.8	4.9		60
62				3.5			3.3	4.0		62
64				2.3			2.8	3.0		64
66							2.0			66
68										68
70										70

Prerequisites:
① Boom operating conditions(boom length + adapter + jib length), max.length is 65.6m+6m+24m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 45°

working range	Main boom+ Adapter+ Jib+ Superlift																		working range
	40.4+6m*			45.4+6m*			50.5+6m*			55.5+6m*			60.6+6m*			65.6+6m*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
4																			4
4.0																			4.0
5																			5
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12
13																			13
14	18.2			18.4															14
16	17.0			17.3			17.3												16
18	15.9			16.2			16.2			16.2									18
20	14.9			15.3			15.4			15.5			15.2			14.6			20
22	14.1	9.3		14.3			14.5			14.6			14.4			14.0			22
24	13.2	8.9		13.6	9.0		13.8	9.1		14.0			13.8			13.4			24
26	12.4	8.6		12.8	8.6		13.1	8.8		13.3	8.9		13.2			12.8			26
28	11.8	8.2	5.9	12.2	8.4		12.4	8.5		12.7	8.6		12.6	8.6		12.4	8.5		28
30	11.0	7.8	5.7	11.6	8.0	5.8	11.9	8.2	5.8	12.2	8.3		12.2	8.3		11.9	8.2		30
32	10.5	7.4	5.5	11.0	7.7	5.6	11.3	7.8	5.6	11.6	8.0	5.7	11.6	8.0	5.7	11.4	7.9		32
34	9.9	7.1	5.4	10.5	7.4	5.4	10.8	7.5	5.5	11.1	7.7	5.5	11.2	7.7	5.5	11.0	7.7	5.5	34
36	9.3	6.8	5.2	10.0	7.1	5.3	10.4	7.2	5.4	10.6	7.4	5.4	10.7	7.5	5.4	10.6	7.4	5.4	36
38	8.9	6.6	5.1	9.5	6.8	5.2	9.9	7.0	5.2	10.3	7.1	5.3	10.4	7.2	5.3	10.3	7.2	5.3	38
40	8.5	6.4	4.9	9.0	6.6	5.0	9.5	6.7	5.1	9.8	6.9	5.2	10.0	7.0	5.2	9.7	7.0	5.2	40
42	8.0	6.1	4.8	8.6	6.4	4.9	9.0	6.6	5.0	9.4	6.7	5.0	9.5	6.7	5.1	8.9	6.7	5.1	42
44	7.6	5.9	4.8	8.2	6.2	4.8	8.6	6.3	4.9	8.6	6.5	4.9	8.7	6.6	5.0	8.1	6.6	5.0	44
46	7.2	5.7	4.7	7.8	5.9	4.8	8.3	6.1	4.8	7.8	6.3	4.9	7.9	6.4	4.9	7.4	6.5	4.9	46
48	6.8	5.5	4.7	7.4	5.7	4.7	7.7	5.9	4.8	7.1	6.1	4.8	7.2	6.2	4.8	6.7	6.3	4.8	48
50	6.6	5.4	4.4	7.1	5.6	4.7	7.0	5.8	4.7	6.4	5.9	4.8	6.5	6.0	4.8	6.1	6.1	4.8	50
52	6.3	5.2		6.7	5.4	4.6	6.3	5.6	4.7	5.8	5.8	4.7	5.9	5.9	4.8	5.6	5.9	4.8	52
54	6.0	5.0		6.3	5.3	4.4	5.7	5.4	4.6	5.3	5.6	4.7	5.4	5.7	4.7	5.1	5.4	4.7	54
56	5.7	4.9		5.7	5.1		5.2	5.3	4.4	4.8	5.5	4.6	4.9	5.6	4.6	4.6	4.9	4.6	56
58	5.4	4.8		5.1	5.0		4.6	5.0		4.3	5.1	4.6	4.4	5.2	4.6	4.2	4.5	4.6	58
60	5.2	4.6		4.6	4.9		4.2	4.5		3.9	4.6	4.2	4.0	4.7	4.5	3.8	4.1	4.5	60
62	4.6	4.5		4.0	4.7		3.7	4.0		3.4	4.1		3.5	4.2	4.5	3.4	3.7	4.5	62
64	4.2			3.4	3.8		3.3	3.5		3.1	3.6		2.9	3.8	4.2	3.0	3.3	4.4	64
66	2.5			2.8			2.6	3.1		2.5	3.2		2.6	3.4		2.5	3.0	4.0	66
68				2.0			1.8	2.7		1.8	2.7		1.8	2.8		1.9	2.7	3.1	68
70								1.7			2.0			2.4			2.4		70

Prerequisites:
① Boom operating conditions(boom length + adapter+ jib max.length is 65.6m+6m+30m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 45°

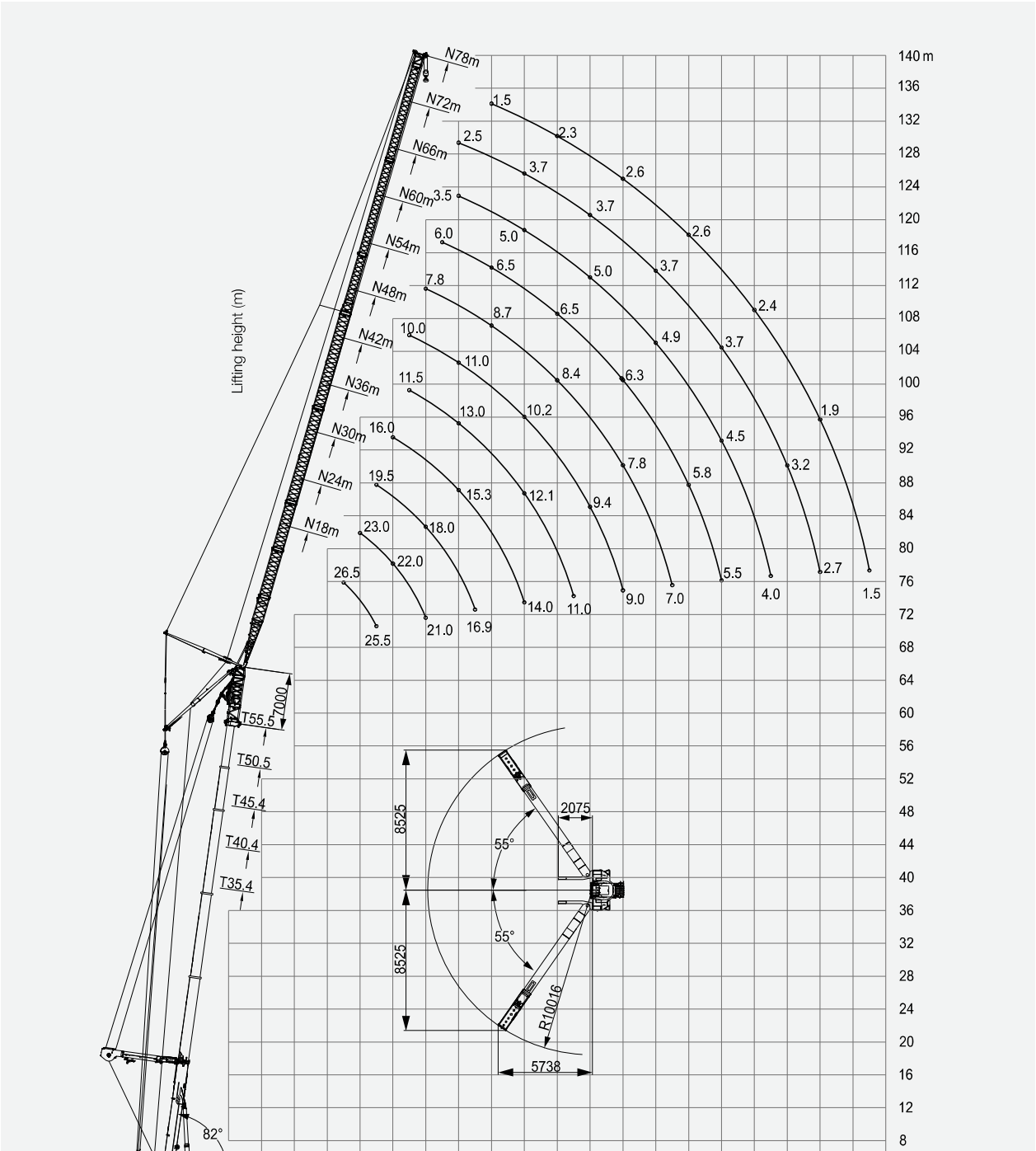
working range	Main boom+									working range
	40.4+6m*			45.4+6m*			50.5+6m*			
	0°	20°	40°	0°	20°	40°	0°	20°	4	
4										4
4.0										4.0
5										5
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12
13										13
14	14.2									14
16	13.3			13.3						16
18	12.4			12.4			12.4			18
20	11.7			11.8			11.8			20
22	10.9			11.1			11.1			22
24	10.4			10.5			10.5			24
26	9.8	6.7		10.0	6.7		10.1			26
28	9.2	6.3		9.5	6.4		9.6	6.5		28
30	8.7	6.0		9.0	6.1		9.2	6.2		30
32	8.3	5.7	4.0	8.6	5.8		8.7	5.9		32
34	7.9	5.4	3.9	8.2	5.5	3.9	8.4	5.6		34
36	7.4	5.1	3.7	7.8	5.3	3.8	8.0	5.4	3	36
38	7.0	4.9	3.6	7.4	5.0	3.6	7.6	5.2	3	38
40	6.7	4.8	3.5	7.0	4.8	3.5	7.3	4.9	3	40
42	6.3	4.6	3.4	6.7	4.7	3.4	6.9	4.8	3	42
44	5.9	4.4	3.3	6.3	4.5	3.3	6.7	4.7	3	44
46	5.6	4.2	3.2	6.0	4.4	3.2	6.3	4.5	3	46
48	5.3	4.1	3.1	5.7	4.2	3.2	6.0	4.3	3	48
50	5.0	3.9	3.1	5.4	4.0	3.1	5.7	4.2	3	50
52	4.8	3.8	3.0	5.1	3.9	3.0	5.4	4.0	3	52
54	4.5	3.6	3.0	4.9	3.8	3.0	5.0	3.9	3	54
56	4.3	3.5	2.6	4.7	3.6	3.0	4.5	3.8	3	56
58	4.1	3.4		4.3	3.5	2.9	4.1	3.7	3	58
60	3.9	3.3		3.9	3.4	2.6	3.8	3.5	2	60
62	3.7	3.2		3.5	3.3		3.4	3.4	2	62
64	3.5	3.1		3.2	3.2		3.1	3.4		64
66	3.3	3.1		2.9	3.2		2.8	3.3		66
68	3.2			2.6	3.1		2.5	3.2		68
70	2.6			2.3	3.1		1.9	2.8		70

Prerequisites:
① **Boom operating conditions(boom length + adapter+ jib length), max.length is 65.6m+6m+36m**
② **The span of outriggers is 8.95m×8.6m**
③ **360°rotation is applied**
④ **Counterweight is 100T**
⑤ **Superlift angle of one-side unfold is 45°**

working range	Main boom+ Adapter+ Jib+ Superlift																		working range
	40.4+6m*			45.4+6m*			50.5+6m*			55.5+6m*			60.6+6m*			65.6+6m*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
4																			4
4.0																			4.0
5																			5
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12
13																			13
14																			14
16	10.6																		16
18	10.0			10.5															18
20	9.4			9.8			9.4			9.8									20
22	8.8			9.2			8.8			9.3			9.1						22
24	8.3			8.7			8.5			8.8			8.7			8.5			24
26	7.9			8.3			8.0			8.5			8.3			8.1			26
28	7.4	4.9		7.9			7.6			8.0			8.0			7.7			28
30	7.0	4.7		7.5	5.1		7.2			7.7			7.6			7.4			30
32	6.7	4.4		7.1	4.8		6.9	4.9		7.3	5.0		7.3			7.1			32
34	6.3	4.2		6.7	4.7		6.6	4.8		7.0	4.8		7.0	4.8		6.8			34
36	5.9	4.0		6.5	4.5		6.3	4.6		6.7	4.6		6.7	4.6		6.6	4.6		36
38	5.6	3.8	2.7	6.2	4.3		6.0	4.4		6.5	4.4		6.5	4.5		6.4	4.4		38
40	5.3	3.6	2.6	5.9	4.1	2.9	5.7	4.2	2.9	6.2	4.3		6.2	4.3		6.2	4.2		40
42	4.9	3.4	2.5	5.6	3.9	2.8	5.4	4.0	2.8	5.9	4.1	2.8	6.0	4.1	2.8	5.9	4.1		42
44	4.7	3.2	2.4	5.3	3.7	2.7	5.1	3.8	2.7	5.7	3.9	2.8	5.8	3.9	2.8	5.7	3.9	2.7	44
46	4.4	3.1	2.4	5.0	3.5	2.6	4.9	3.6	2.7	5.4	3.7	2.7	5.5	3.8	2.7	5.5	3.8	2.7	46
48	4.2	3.0	2.3	4.8	3.4	2.6	4.7	3.5	2.6	5.2	3.6	2.6	5.3	3.6	2.6	5.3	3.6	2.6	48
50	3.9	2.9	2.2	4.6	3.2	2.5	4.5	3.3	2.5	5.0	3.4	2.6	5.1	3.5	2.6	5.1	3.5	2.6	50
52	3.7	2.8	2.2	4.3	3.1	2.4	4.2	3.2	2.5	4.8	3.3	2.5	4.9	3.4	2.5	4.9	3.4	2.5	52
54	3.5	2.7	2.1	4.1	3.0	2.4	4.0	3.1	2.4	4.6	3.2	2.4	4.8	3.2	2.5	4.8	3.3	2.5	54
56	3.3	2.6	2.1	3.9	2.9	2.3	3.8	3.0	2.4	4.4	3.1	2.4	4.5	3.1	2.4	4.5	3.1	2.4	56
58	3.1	2.5	2.0	3.7	2.9	2.3	3.6	2.9	2.3	4.1	3.0	2.4	4.1	3.0	2.4	4.2	3.0	2.4	58
60	2.9	2.5	2.0	3.5	2.8	2.2	3.4	2.9	2.3	3.8	2.9	2.3	3.8	2.9	2.3	3.8	2.9	2.3	60
62	2.9	2.4	1.8	3.3	2.7	2.2	3.3	2.8	2.2	3.5	2.9	2.3	3.5	2.9	2.3	3.5	2.9	2.3	62
64	2.7	2.3		3.1	2.6	2.0	3.1	2.7	2.2	3.2	2.8	2.2	3.2	2.9	2.2	3.2	2.9	2.3	64
66	2.6	2.2		3.0	2.5		2.9	2.6	2.2	2.9	2.7	2.2	2.9	2.8	2.2	2.8	2.8	2.2	66
68	2.5	2.2		2.8	2.5		2.7	2.6	1.9	2.6	2.6	2.2	2.6	2.7	2.2	2.5	2.7	2.2	68
70	2.4	2.2		2.6	2.4		2.4	2.5		1.9	2.6	2.1	1.9	2.6	2.2	1.9	2.7	2.2	70
72	2.3	1.9		2.3	2.3		1.8	2.4			2.5	1.9		2.6	2.1		2.6	2.1	72

Prerequisites:
① **Boom operating conditions(boom length + adapter+ jib max.length is 60.5m+6m+42m**
② **The span of outriggers is 8.95m×8.6m**
③ **360°rotation is applied**
④ **Counterweight is 100T**
⑤ **Superlift angle of one-side unfold is 45°**

working range	Main boom+								
	40.4+6m*			45.4+6m*			50.5+6m*		
	0°	20°	40°	0°	20°	40°	0°	20°	4
4									
4.0									
5									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
16									
18	8.4								
20	7.9			7.9			7.9		
22	7.4			7.4			7.5		
24	7.0			7.0			7.1		
26	6.6			6.7			6.7		
28	6.3			6.3			6.4		
30	5.9			6.0			6.1		
32	5.6	3.8		5.7			5.8		
34	5.3	3.6		5.4	3.6		5.5	3.7	
36	5.0	3.4		5.1	3.4		5.2	3.5	
38	4.8	3.2		4.9	3.3		5.0	3.3	
40	4.5	3.0		4.7	3.1		4.8	3.2	
42	4.3	2.9	2.1	4.5	3.0		4.6	3.0	
44	4.0	2.8	2.0	4.3	2.9	2.0	4.4	2.9	2
46	3.8	2.7	1.9	4.0	2.8	1.9	4.2	2.9	2
48	3.6	2.6	1.8	3.8	2.7	1.9	4.0	2.7	1
50	3.4	2.5	1.8	3.6	2.6	1.8	3.8	2.6	1
52	3.1	2.4	1.7	3.4	2.4	1.7	3.6	2.5	1
54	3.0	2.3	1.7	3.2	2.3	1.7	3.4	2.4	1
56	2.9	2.2	1.6	3.0	2.3	1.6	3.2	2.3	1
58	2.7	2.1	1.6	2.9	2.2	1.6	3.1	2.2	1
60	2.6	2.0	1.5	2.8	2.1	1.5	2.9	2.2	1
62	2.5	1.9	1.5	2.7	2.0	1.5	2.9	2.1	1
64	2.3	1.8	1.4	2.5	1.9	1.5	2.7	2.0	1
66	2.2	1.8	1.4	2.4	1.9	1.4	2.6	1.9	1
68	2.1	1.7	1.1	2.3	1.8	1.4	2.5	1.9	1
70	2.0	1.6		2.2	1.7	1.1	2.4	1.8	1
72	1.9	1.6		2.1	1.7		2.3	1.7	1
74	1.8	1.5		2.0	1.6		1.9	1.7	1
76	1.7	1.3		1.9	1.6		1.3	1.6	
78	1.6			1.4	1.5			1.6	



Prerequisites:

① Boom operating conditions(boom length + adapter+ tow
max. length is 65.6m+7m+18m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom + Ada									
	35.4+7m*			40.4+7m*			45.4+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°
12										
13										
14	37.5									
16	41.0			40.0						
18	44.0			41.0			37.0			32.5
20	44.0			40.0			36.5			32.0
22	41.1	37.0		37.1			36.0			31.2
24		33.1			32.1		34.1			30.0
26		29.9			29.0			28.6		
28			24.6		26.3			26.0		
30			22.5							
32						19.7				
34									16.5	
36										
38										
40										
42										
44										

*adapter 3.5m+telescopic boom extension 3.5m
**The weight of hanger is no less than 1500KG.

Prerequisites:
① Boom operating conditions(boom length + adapter+ tower jib length), max.length is 65.6m+7m+24m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Adapter+ Tower jib+ Superlift																					working range
	35.4+7m*			40.4+7m*			45.4+7m*			50.5+7m*			55.5+7m*			60.6+7m*			65.6+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
13																						13
14																						14
16	29.9																					16
18	31.9			31.0																		18
20	34.0			32.1			29.0			26.5												20
22	34.5			32.0			29.0			26.0			23.0			20.0						22
24	34.0	34.0		31.0			29.0			25.2			22.1			19.5			17.5			24
26	32.0	31.6		29.0	28.9		28.5			25.0			22.0			19.2			16.5			26
28	30.9	28.8		27.3	27.1		28.0			24.1			21.3			19.0			16.0			28
30		26.4			25.5		26.9	25.1		23.0	22.8		21.0			18.0			15.0			30
32		24.3	21.8		23.5			23.2			21.1			19.2		17.2			15.0			32
34			20.2		21.7	17.9		21.4			19.5			17.8			17.0			13.5		34
36			18.7			16.6					18.1			16.5			16.0			12.2		36
38						15.5			16.0					15.3			15.1			11.5		38
40									14.2			12.5									6.5	40
42												11.7			9.6							42
44															9.0			6.5				44
46																		6.5				46
48																					6.5	48
50																						50
52																						52
54																						54
56																						56

*adapter 3.5m+telescopic boom extension 3.5m

Prerequisites:
① Boom operating conditions(boom length + adapter+ tow max.length is 65.6m+7m+30m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Ada									
	35.4+7m*			40.4+7m*			45.4+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°
16										
18	25.6									
20	26.2			26.0						
22	28.0			27.0			24.5			22.5
24	29.0			27.0			24.0			22.0
26	28.5			26.6			24.0			21.5
28	28.0	28.0		25.8			24.0			21.0
30	27.1	27.0		24.5	24.0		23.1			21.6
32	25.0	25.9		23.8	22.1		22.9	22.1		20.3
34	23.6	24.9		21.9	21.2		21.1	21.0		19.8
36		23.3	18.4		20.0		20.0	19.6		19.0
38		21.7	17.2		18.6	15.2		18.3		
40			16.1		17.4	14.2		17.1	16.5	
42			15.0			13.3			15.5	
44						12.4			14.4	
46									13.7	
48										
50										
52										
54										
56										
54										
56										

*adapter 3.5m+telescopic boom extension 3.5m

Prerequisites:
① Boom operating conditions(boom length + adapter+ tower jib length), max.length is 65.6m+7m+36m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Adapter+ Tower jib+ Superlift																					working range
	35.4+7m*			40.4+7m*			45.4+7m*			50.5+7m*			55.5+7m*			60.6+7m*			65.6+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
16																						16
18																						18
20	21.5																					20
22	22.0			21.5			15.9															22
24	23.1			22.0			18.4			17.5												24
26	23.9			22.0			20.0			18.5			16.0			14.0						26
28	23.5			22.0			20.0			18.0			15.8			13.5			12.5			28
30	23.0	23.0		22.0			20.0			18.0			15.8			13.5			12.0			30
32	22.7	23.0		21.5	20.5		19.8			18.0			15.3			13.5			12.0			32
34	21.0	22.0		20.5	19.5		19.5	19.0		17.6			15.3			13.2			11.3			34
36	20.8	21.0		19.6	19.1		19.0	18.9		17.0	16.9		15.0			13.0			11.1			36
38	19.9	20.6	16.8	18.7	18.0		18.6	18.0		16.6	16.3		14.6	14.1		12.7	12.1		10.9			38
40	18.9	19.5	15.7	17.6	17.1	13.8	18.0	16.8		16.2	15.3		14.2	13.8		12.5	12.0		10.7			40
42		18.6	14.8		16.0	13.0	17.0	15.8		16.0	14.3		14.0	13.0		12.3	12.0		10.4	10.0		42
44		17.6	13.9		15.1	12.2		14.8	14.2		13.5			12.2		12.0	11.5		9.5	9.5		44
46			13.0		14.0	11.5		14.0	13.4		12.7	9.7		11.5			11.2			9.0		46
48			12.3			10.8			12.7		11.9	9.2		10.8			10.5			8.5		48
50						10.2			12.0			8.7		10.2	7.0		9.6	3.5		8.1		50
52									11.3			8.2			6.6			3.5		7.8		52
54												7.7			6.3			3.5			4.0	54
56															5.9			3.5			4.0	56
58																		3.5			4.0	58
60																					3.6	60
62																						62

*adapter 3.5m+telescopic boom extension 3.5m

Prerequisites:
① Boom operating conditions(boom length + adapter+ tow max.length is 65.6m+7m+42m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Ada									
	35.4+7m*			40.4+7m*			45.4+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°
20										
22	19.5			17.5						
24	19.8			17.8			15.0			
26	20.0			18.2			16.0			13.3
28	19.7			18.8			16.8			14.5
30	19.3			18.5			16.8			15.0
32	18.5	19.0		18.0			16.8			15.0
34	17.8	18.8		17.7	18.0		13.6			15.0
36	16.9	18.2		17.2	17.6		16.0	16.0		14.5
38	15.8	17.4		16.5	16.7		15.8	15.7		14.2
40	15.0	16.7		15.6	16.0		15.5	15.4		14.0
42	14.2	16.0	15.0	14.8	15.3		15.0	15.1		13.6
44	13.5	15.2	14.5	14.1	14.5	12.7	14.0	14.5		13.3
46	13.0	14.4	13.9	13.5	14.0	11.9	13.5	13.7	13.1	13.1
48		13.6	13.4		12.9	11.2	13.0	12.9	12.3	13.0
50		12.9	12.8		12.3	10.6		12.2	11.7	0.0
52			12.1		11.5	10.0		11.6	11.1	
54			11.4			9.5			10.5	
56						8.9			10.0	
58									9.4	
60										
62										
64										
66										
68										

*adapter 3.5m+telescopic boom extension 3.5m

Prerequisites:
① Boom operating conditions(boom length + adapter+ tower jib length), max.length is 60.6m+7m+48m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Adapter+ Tower jib+ Superlift																					working range
	35.4+7m*			40.4+7m*			45.4+7m*			50.5+7m*			55.5+7m*			60.6+7m*			65.6+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
22																						22
24	15.2			13.5																		24
26	15.5			14.0			13.0															26
28	16.0			14.5			13.5			11.6			10.0									28
30	16.0			15.0			13.5			12.0			10.3			9.3						30
32	15.8			15.0			13.5			12.5			10.6			9.5						32
34	15.6	15.5		15.0			13.5			12.5			11.0			9.5						34
36	15.3	15.4		15.0	14.0		13.5			12.5			10.8			9.5						36
38	15.1	15.3		15.0	14.0		13.5	13.0		12.5			10.6			9.5						38
40	14.9	15.2		14.8	14.0		13.5	13.0		12.0	11.5		10.4			9.3						40
42	14.7	15.0		14.5	14.0		13.3	13.0		11.9	11.4		10.2	10.0		9.2						42
44	14.3	14.3	13.7	14.2	13.5		13.1	13.0		11.7	11.3		10.0	9.8		9.1	8.5					44
46	13.5	13.6	13.0	13.8	13.0		12.9	12.7		11.5	11.2		9.8	9.7		8.9	8.5					46
48	12.9	12.8	12.3	13.3	12.5	10.9	12.7	12.3		11.3	11.1		9.6	9.6		8.7	8.4					48
50	12.2	12.3	11.9	12.5	12.0	10.3	12.5	11.8	11.0	11.1	10.8		9.4	9.5		8.5	8.3					50
52	11.3	11.9	11.4	11.5	11.5	9.7	12.0	11.3	10.4	10.9	10.2	6.5	9.2	9.4		8.3	8.2					52
54		11.3	11.0		11.0	9.2	11.0	10.7	10.0	10.7	9.7	6.2	9.0	9.2		8.1	8.0					54
56		10.7	10.6		10.4	8.7		10.2	9.6		9.2	5.8		8.9	5.0	7.8	7.8					56
58			10.0		9.8	8.2		9.6	9.2		8.7	5.5		8.4	4.7		7.6	2.3				58
60			9.5			7.8			8.8		8.2	5.2		8.0	4.5		7.2	2.5				60
62						7.4			8.3			4.9		7.5	4.2		6.8	2.5				62
64									7.9			4.7			4.0			2.5				64
66												4.4			3.8			2.5				66
68															3.6			2.5				68
70																		2.2				70
72																						72

*adapter 3.5m+telescopic boom extension 3.5m

Prerequisites:
① Boom operating conditions(boom length + adapter+ tow max.length is 55.5m+7m+54m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Ada									
	35.4+7m*			40.4+7m*			45.4+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°
24										
26	12.0			11.5						
28	12.5			11.7			10.0			
30	12.6			11.9			10.4			9.0
32	12.7			11.9			10.8			9.5
34	12.7			11.9			11.0			9.8
36	12.6	12.0		11.9			11.0			10.0
38	12.5	12.0		11.9	11.6		11.0			10.0
40	12.4	12.0		11.9	11.6		11.0	11.0		10.0
42	12.2	12.0		11.9	11.6		11.0	11.0		10.0
44	12.0	11.9		11.7	11.6		11.0	10.8		9.7
46	11.9	11.8		11.5	11.3		10.8	10.6		9.6
48	11.8	11.7	11.0	11.0	10.8		10.6	10.4		9.5
50	11.7	11.5	11.0	10.5	10.3	9.5	10.4	10.2		9.4
52	11.3	11.3	10.6	10.0	9.8	9.2	10.2	10.0	9.5	9.2
54	10.6	10.5	10.2	9.5	9.3	8.8	10.0	9.8	9.3	8.6
56	10.0	9.9	9.8	9.0	9.0	8.3	10.0	9.5	9.1	8.1
58	9.5	9.7	9.4	8.5	8.7	7.8	9.7	9.2	8.7	7.7
60		9.4	9.0		8.2	7.4	9.3	8.8	8.3	7.2
62		9.0	8.6		7.7	7.0		8.4	8.0	
64			8.2		7.3	6.7		7.9	7.6	
66			7.7			6.3			7.2	
68						6.0			6.8	
70									6.4	
72										
74										
76										

*adapter 3.5m+telescopic boom extension 3.5m

Prerequisites:
① Boom operating conditions(boom length + adapter+ tower jib length), max.length is 55.5m+7m+60m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Adapter+ Tower jib+ Superlift																					working range
	35.4+7m*			40.4+7m*			45.4+7m*			50.5+7m*			55.5+7m*			60.6+7m*			65.6+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
22																						22
24																						24
26																						26
28	9.2			9.1																		28
30	9.3			9.2			8.0			7.0												30
32	9.4			9.3			8.2			7.3			6.0									32
34	9.5			9.4			8.4			7.5			6.2									34
36	9.7			9.5			8.6			7.7			6.5									36
38	9.9			9.6			8.6			7.7			6.5									38
40	9.8	9.5		9.6			8.6			7.7			6.5									40
42	9.7	9.5		9.6	9.5		8.6	9.0		7.7			6.5									42
44	9.7	9.5		9.6	9.5		8.6	8.8		7.7			6.5									44
46	9.6	9.5		9.5	9.5		8.6	8.7		7.7	7.7		6.5	6.3								46
48	9.5	9.5		9.4	9.5		8.6	8.6		7.7	7.6		6.5	6.3								48
50	9.4	9.5	8.6	9.3	9.5		8.5	8.6		7.7	7.5		6.5	6.3								50
52	9.3	9.4	8.6	9.2	9.3		8.4	8.5		7.5	7.4		6.5	6.3								52
54	9.2	9.3	8.6	9.1	9.1	8.0	8.3	8.4		7.4	7.3		6.3	6.2								54
56	9.1	9.2	8.6	9.0	8.8	7.7	8.2	8.3	7.6	7.3	7.2		6.2	6.1								56
58	9.0	9.1	8.6	8.7	8.5	7.4	8.1	8.2	7.3	7.2	7.1	4.9	6.1	6.0								58
60	8.8	8.8	8.4	8.2	8.1	7.1	8.0	8.0	7.0	7.1	7.0	4.6	6.0	5.9	1.8							60
62	8.5	8.5	8.1	7.8	7.6	6.7	7.7	7.7	6.8	7.0	6.9	4.3	5.8	5.8	1.9							62
64	8.2	8.2	7.8	7.1	7.1	6.3	7.3	7.3	6.6	6.8	6.8	4.1	5.6	6.6	2.0							64
66		7.8	7.4		6.7	6.0	6.8	6.9	6.4	6.6	6.6	3.9	5.5	5.6	2.0							66
68		7.3	6.9		6.3	5.7		6.6	6.2		6.4	3.6		5.4	2.0							68
70			6.5		5.9	5.3		6.2	6.0		6.1	3.4		5.2	2.0							70
72			6.2			5.0			5.7		5.8	3.2		4.9	2.0							72
74						4.8			5.4			3.0		4.6	2.0							74
76									5.1			2.9			2.0							76
78												2.7			1.7							78
80															1.4							80
82																						82
84																						84

*adapter 3.5m+telescopic boom extension 3.5m

Prerequisites:
① Boom operating conditions(boom length + adapter+ to
max.length is 55.5m+7m+66m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Ada									
	35.4+7m*			40.4+7m*			45.4+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°
26										
28	7.8									
30	8.0			6.8			6.3			
32	8.0			6.9			6.5			5.5
34	8.0			7.0			6.7			5.7
36	8.0			7.1			6.7			5.9
38	8.0			7.3			6.7			5.9
40	8.0			7.5			6.7			5.9
42	7.9	7.5		7.5			6.7			5.9
44	7.9	7.6		7.5	7.5		6.7	6.8		5.9
46	7.8	7.6		7.5	7.5		6.7	6.8		5.9
48	7.8	7.6		7.5	7.5		6.7	6.8		5.9
50	7.7	7.6		7.5	7.5		6.7	6.8		5.9
52	7.6	7.6		7.5	7.5		6.7	6.7		5.9
54	7.5	7.4	7.0	7.5	7.5		6.7	6.7		5.9
56	7.4	7.3	7.0	7.5	7.5	6.5	6.4	6.5		5.9
58	7.3	7.2	6.9	7.3	7.5	6.8	6.3	6.4	6.0	5.8
60	7.2	7.1	6.7	7.1	7.3	6.4	6.2	6.3	5.9	5.7
62	7.1	7.0	6.5	6.9	7.0	6.2	6.1	6.2	5.7	5.6
64	7.0	6.8	6.3	6.8	6.7	6.0	5.9	6.0	5.5	5.5
66	6.7	6.2	6.1	6.7	6.5	5.6	5.7	5.8	5.3	5.4
68	6.3	5.8	5.9	6.3	6.1	5.3	5.5	5.7	5.1	5.2
70	5.8	5.5	5.6	6.0	5.7	5.0	5.2	5.5	4.8	5.0
72		5.2	5.3		5.4	4.7	4.9	5.3	4.6	4.7
74		4.9	5.0		5.1	4.5		5.0	4.4	
76			4.7		4.8	4.2		4.7	4.2	
78			4.5			4.0			4.0	
80						3.7			3.8	
82									3.6	
84										
82										
84										

*adapter 3.5m+telescopic boom extension 3.5m

Prerequisites:
① Boom operating conditions(boom length + adapter+ tower jib length), max.length is 55.5m+7m+72m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

working range	Main boom+ Adapter+ Tower jib+ Superlift																					working range
	35.4+7m*			40.4+7m*			45.4+7m*			50.5+7m*			55.5+7m*			60.6+7m*			65.6+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
26																						26
28																						28
30	6.0																					30
32	6.0			5.2			4.9															32
34	6.0			5.3			5.0			4.0			2.5									34
36	6.2			5.4			5.1			4.3			2.8									36
38	6.2			5.5			5.2			4.5			3.0									38
40	6.2			5.6			5.2			4.7			3.5									40
42	6.2			5.7			5.2			4.7			3.7									42
44	6.2	5.5		5.8			5.2			4.7			3.7									44
46	6.2	5.7		5.8	5.5		5.2			4.7			3.7									46
48	6.2	5.8		5.8	5.6		5.2	5.2		4.7			3.7									48
50	6.0	5.8		5.8	5.7		5.2	5.2		4.7	4.6		3.7									50
52	6.0	5.8		5.8	5.7		5.2	5.2		4.7	4.6		3.7	3.7								52
54	6.0	5.8		5.7	5.7		5.2	5.2		4.5	4.5		3.7	3.7								54
56	6.0	5.8	5.0	5.7	5.7		5.1	5.2		4.5	4.5		3.7	3.7								56
58	6.0	5.8	5.1	5.7	5.7		5.0	5.2		4.5	4.5		3.7	3.7								58
60	6.0	5.8	5.2	5.6	5.6	4.9	4.9	5.1		4.5	4.5		3.7	3.7								60
62	5.9	5.8	5.3	5.5	5.6	5.0	4.8	5.0	4.5	4.4	4.3		3.7	3.7								62
64	5.8	5.8	5.3	5.4	5.6	5.0	4.7	4.9	4.6	4.3	4.3	3.3	3.7	3.6								64
66	5.7	5.6	5.3	5.3	5.6	5.0	4.6	4.9	4.7	4.2	4.2	3.1	3.7	3.5								66
68	5.6	5.6	5.3	5.2	5.6	5.0	4.5	4.8	4.6	4.1	4.1	2.9	3.6	3.4								68
70	5.5	5.6	5.1	5.1	5.6	4.7	4.4	4.7	4.4	4.0	4.0	2.7	3.5	3.3								70
72	5.4	5.4	4.9	5.0	5.2	4.5	4.3	4.7	4.2	3.9	3.9	2.5	3.4	3.2								72
74	5.3	5.1	4.7	4.9	4.9	4.2	4.2	4.6	4.0	3.8	3.8	2.3	3.2	3.1								74
76	5.0	4.8	4.5	4.8	4.6	3.9	4.0	4.4	3.8	3.6	3.7	2.2	3.0	3.0								76
78		4.5	4.2		4.4	3.7	3.8	4.2	3.7	3.4	3.6	2.0	2.7	2.9								78
80		4.2	4.0		4.1	3.5		4.0	3.5		3.5	1.9	0.0	2.7								80
82			3.7		4.0	3.2		3.8	3.3		3.4	1.8		2.5								82
84			3.5			3.0			3.1		3.2	1.6		2.2								84
86						2.8			2.9			1.5		1.7								86
88									2.7			1.4										88
90												1.3										90
92																						92

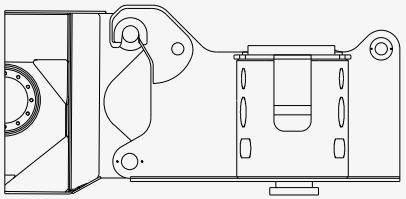
*adapter 3.5m+telescopic boom extension 3.5m

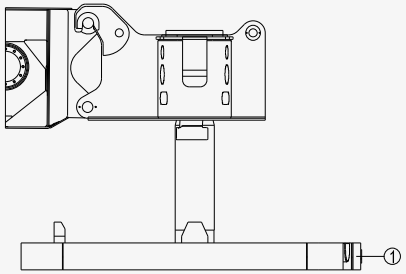
Prerequisites:
① Boom operating conditions(boom length + adapter+ to max.length is 55.5m+7m+78m
② The span of outriggers is 8.95m×8.6m
③ 360°rotation is applied
④ Counterweight is 100T
⑤ Superlift angle of one-side unfold is 55°

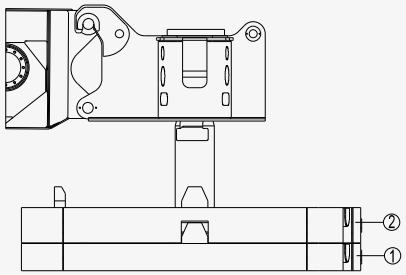
working range	Main boom+ Ada									
	35.4+7m*			40.4+7m*			45.4+7m*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°
28										
30										
32	4.6									
34	4.6			4.3			3.5			
36	4.6			4.3			3.5			2.8
38	4.6			4.4			3.6			2.8
40	4.6			4.4			3.6			3.0
42	4.6			4.4			3.7			3.2
44	4.6			4.4			3.7			3.3
46	4.6	4.4		4.4			3.8			3.3
48	4.5	4.4		4.3	4.1		3.8			3.3
50	4.5	4.4		4.3	4.1		3.9	3.9		3.3
52	4.5	4.4		4.2	4.2		3.9	3.9		3.3
54	4.4	4.4		4.1	4.3		3.8	3.9		3.3
56	4.4	4.4		4.1	4.3		3.8	3.9		3.3
58	4.3	4.4		4.0	4.3		3.7	3.9		3.3
60	4.3	4.4	3.7	4.0	4.3		3.7	3.9		3.3
62	4.2	4.4	3.7	4.0	4.3		3.6	3.9		3.2
64	4.2	4.4	3.9	4.0	4.3		3.6	3.9	3.3	3.1
66	4.1	4.4	4.1	3.9	4.3		3.5	3.9	3.4	3.0
68	4.1	4.3	4.1	3.8	4.2		3.4	3.8	3.4	2.9
70	4.0	4.2	4.1	3.7	4.1		3.3	3.7	3.4	2.8
72	3.9	4.1	4.1	3.6	4.0		3.2	3.7	3.4	2.7
74	3.9	4.0	4.0	3.5	3.8	3.3	3.1	3.6	3.3	2.6
76	3.8	3.9	3.9	3.4	3.6	3.1	2.9	3.6	3.2	2.5
78	3.8	3.8	3.8	3.3	3.4	3.0	2.8	3.6	3.1	2.4
80	3.7	3.7	3.6	3.2	3.2	2.8	2.7	3.5	3.0	2.3
82	3.5	3.6	3.4	3.1	3.0	2.5	2.5	3.4	2.9	2.2
84		3.5	3.2		2.8	1.8		3.3	2.8	2.0
86		3.3	3.0		2.6	1.1		3.2	2.7	
88			2.8		2.3	2.3		3.0	2.6	
90			2.6						2.4	
92									2.2	
94									2.0	
96										

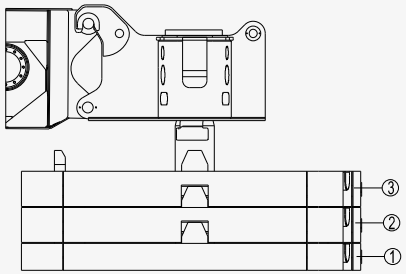
*adapter 3.5m+telescopic boom extension 3.5m

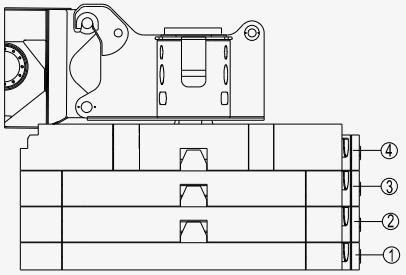
COUNTERWEIGHT SKETCH MAP

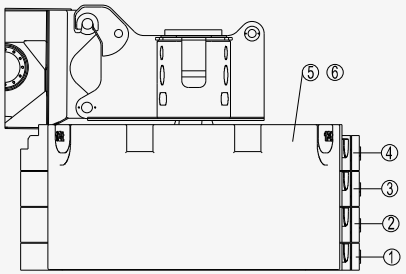


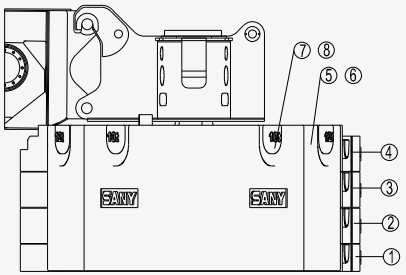




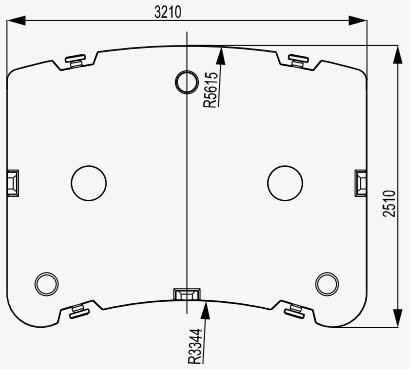


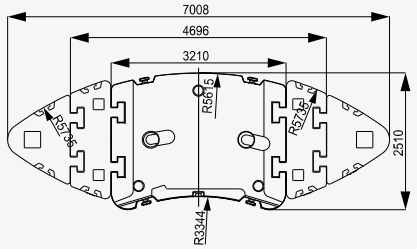












SAC4000S ALL-TERRAIN CRANE
WHEEL CRANE FAMILY MAP

TRUCK CRANE



STC200
Maximum Load Capacity: 20t
Telescopic Boom: 4 Sections, 10.6-33m



STC250
Maximum Load Capacity: 25t
Telescopic Boom: 4 Sections, 10.65-33.5m



STC250H
Maximum Load Capacity: 25t
Telescopic Boom: 5 Sections, 10.5-39.5m



STC300S
Maximum Load Capacity: 30t
Telescopic Boom: 5 Sections, 10.6-40.5m



STC300TH
Maximum Load Capacity: 30t
Telescopic Boom: 4 Sections, 10.6-33.5m



STC300H
Maximum Load Capacity: 30t
Telescopic Boom: 5 Sections, 10.5-39.5m



STC500
Maximum Load Capacity: 50t
Telescopic Boom: 5 Sections, 11.5-43m



STC550
Maximum Load Capacity: 55t
Telescopic Boom: 5 Sections, 11.5-43m



STC600S
Maximum Load Capacity: 60t
Telescopic Boom: 5 Sections, 11.3-43.5m



STC750
Maximum Load Capacity: 75t
Telescopic Boom: 5 Sections, 11.6-45m



STC800S
Maximum Load Capacity: 80t
Telescopic Boom: 5 Sections, 12.2-47m



STC1000
Maximum Load Capacity: 100t
Telescopic Boom: 5 Sections, 13.5-52m



STC1000C
Maximum Load Capacity: 100t
Telescopic Boom: 6 Sections, 13.25-60m



STC1000S
Maximum Load Capacity: 100t
Telescopic Boom: 5 Sections, 12.26-56m



STC1200S
Maximum Load Capacity: 120t
Telescopic Boom: 7 Sections, 12.6-63.5m



STC1300C
Maximum Load Capacity: 130t
Telescopic Boom: 6 Sections, 13.3-60m



STC1600
Maximum Load Capacity: 160t
Telescopic Boom: 6 Sections, 13.4-62m



STC2200
Maximum Load Capacity: 220t
Telescopic Boom: 6 Sections, 14.55-69m

ALL TERRAIN CRANE



SAC1800
Maximum Load Capacity: 180t
Telescopic Boom: 6 Sections, 13.5-62m



SAC2200
Maximum Load Capacity: 220t
Telescopic Boom: 6 Sections, 13.5-62m



SAC2600
Maximum Load Capacity: 260t
Telescopic Boom: 6 Sections, 15.65-73m



SAC3000
Maximum Load Capacity: 300t
Telescopic Boom: 7 Sections, 15.4-80m



SAC3500
Maximum Load Capacity: 350t
Telescopic Boom: 6 Sections, 15.2-70m



SAC6000
Maximum Load Capacity: 600t
Telescopic Boom: 7 Sections, 17.1-90m

ROUGH-TERRAIN CRANE



SRC250
Maximum Load Capacity: 25t
Telescopic Boom: 4 Sections, 9.9-31.5m



SRC350
Maximum Load Capacity: 35t
Telescopic Boom: 4 Sections, 10-31.5m



SRC550
Maximum Load Capacity: 55t
Telescopic Boom: 4 Sections, 11.25-34.5m



SRC550H
Maximum Load Capacity: 55t
Telescopic Boom: 5 Sections, 11.5-43m



SRC750
Maximum Load Capacity: 75t
Telescopic Boom: 5 Sections, 11.6-45m



SRC1200
Maximum Load Capacity: 120t
Telescopic Boom: 5 Sections, 13-49m

Notes

Notes



Quality Changes the World

SANY AUTOMOBILE HOISTING MACHINERY

Address: SANY Industrial Park, Jinzhou Development Zone,
Changsha, Hunan, China.
Service Hotline: 4006098318
Email: crd@sany.com.cn
For more information, please visit: www.sanygroup.com

For our consistent improvement in techonology, specifications may change without notice.
The machines illustrated may show optional equipment which can be supplied at additional cost.

Version: 2018.1

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