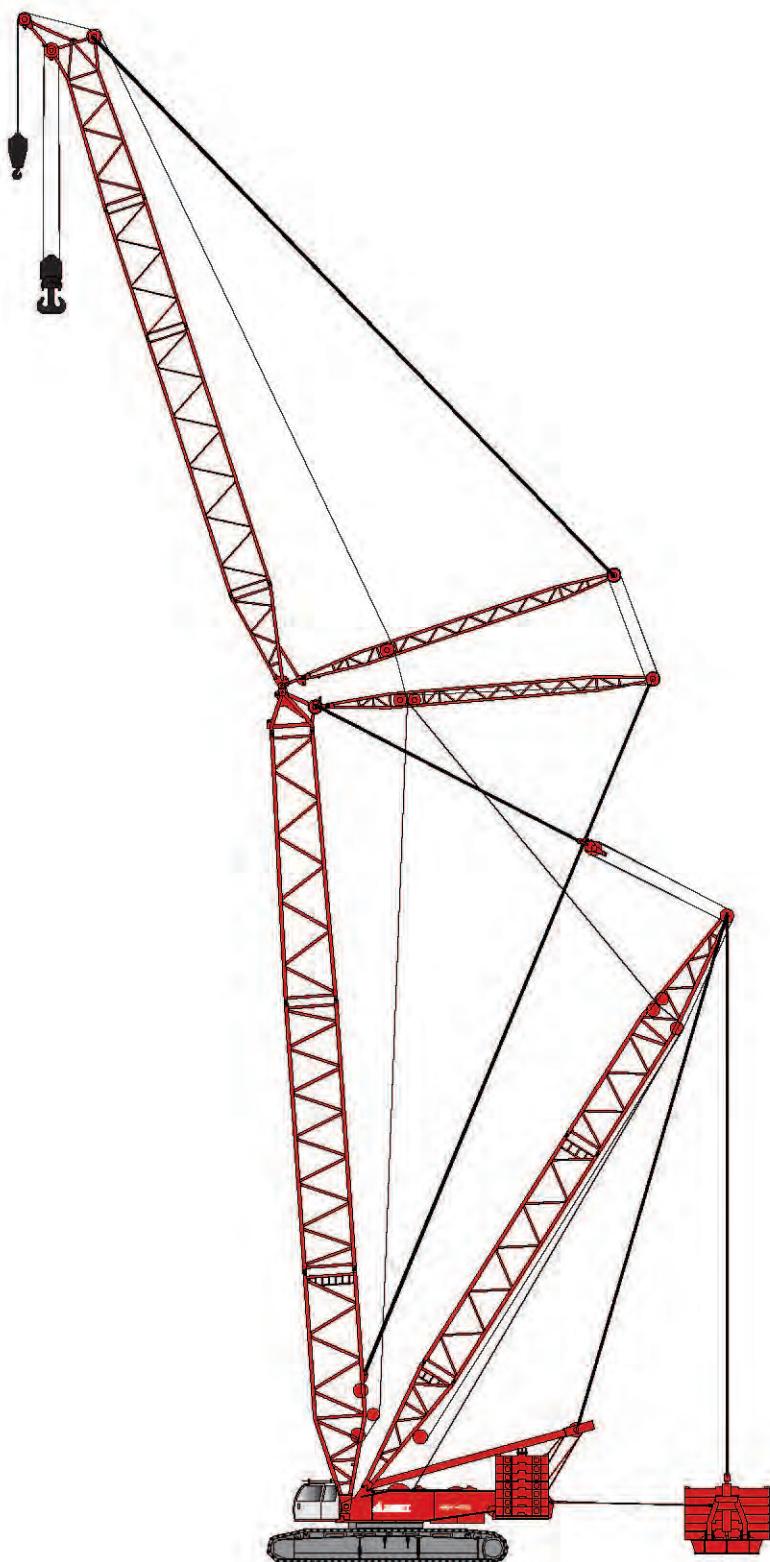


Hydraulic Crawler Crane

FCC400





Foreword

Thank you for your interest in our products.

Fuwa Heavy Industry Co. Ltd. is one of the oldest manufacturers in the heavy equipment industry. Our history goes back to 1904. Today Fuwa is a modern contender on both the Chinese domestic market and the advanced International market.

A team of experts and engineers has reset the concept of crawler cranes by searching the optimum in international design and technology combined with the dedicated manufacturing in China.

The use of our long term experience combined with modern computer design, calculation and simulation software, enabled us to reach the best to meet the customers demand.

New standards on safety, quality, performance, reliability, easy transport and maintenance have been implemented. We respect the environment by efficient used of true materials, high quality components and aiming a long life time.

The unique concept of Modular Design offers a large variety of models, but always based on the same key values.

QUY400A Features

Special for wind power



Equipped with special jib for wind power, fully meet the requirements of 2.0MW wind power installation, large safety storage.

High configuration



Main hydraulic elements are all imported from Rexroth, safe and stable. International and famous hydraulic hose and sleeve joint without leakage, Germany imported high strength boom chord steel tube, strong lifting capacity. Imported Cummins diesel engine, powerful with Tier3/Stage emission standard. Imported high performance wire rope, LEBUS drum multi-layers winding in order.

Intelligentized control



With PLC control system, CAN bus communication net shows crane's working state real time, comprehensive colorful touch screen display is easy to be understood of lifting duty, fault diagnosis and alarm etc.

Safe protection



Moment limiter, boom backstop device, last three-layers protection, anti two-block, anemoscope, pharos, load lamp, gradienter, slewing and traveling alarm,etc.

Low cost for customer use



Mobile pump station powered by diesel engine to make whole crane's assembly mechanized, main/auxiliary inserts nesting for less transport costs, all centralized lubrication is used on running point of main part such as track roller, slewing bearing and boom section for convenient and free of maintenance.

Perfect working capacity



High lifting capacity, large safety storage. 100% rated load traveling with load in a beeline. Multi-motion combination can be achieved for further improvement of working efficiency. Complete duty can meet various customers' requirements.

Respect the past, aim the future

Contents

● Technical data	1
● Overall dimension	3
● Specifications	6
● Safety devices	12
● Machine configuration	14
● Notes for rated lifting capacity load chart	18
● Working range H+Rated lifting capacity load chart H	19
● Working range HR+Rated lifting capacity load chart HR	23
● Working range HS+Rated lifting capacity load chart HS	27
● Working range HSD+Rated lifting capacity load chart HSD	33
● Working range HL+Rated lifting capacity load chart HL	39
● Working range HR/L+Rated lifting capacity load chart HR/L	41
● Working range HSD/L+Rated lifting capacity load chart HSD/L	43
● Working range HF+Rated lifting capacity load chart HF	45
● Working range HFS+Rated lifting capacity load chart HFS	49
● Working range HT+Rated lifting capacity load chart HT	53
● Working range HTS+Rated lifting capacity load chart HTS	61
● Working range HTSD+Rated lifting capacity load chart HTSD	69
● Boom combinations	79
● Transportation dimensions and weights	91

Technical Data

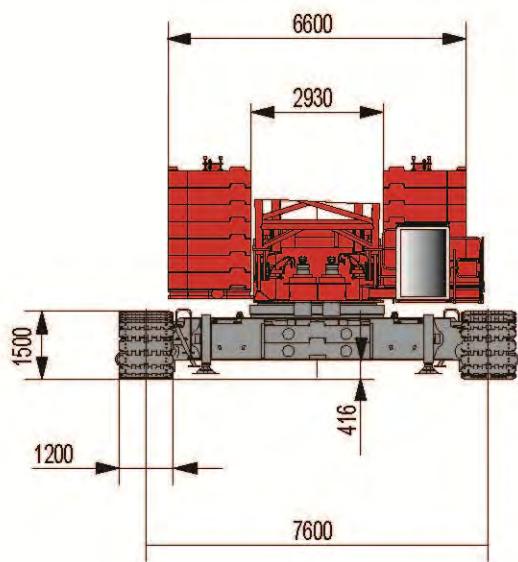
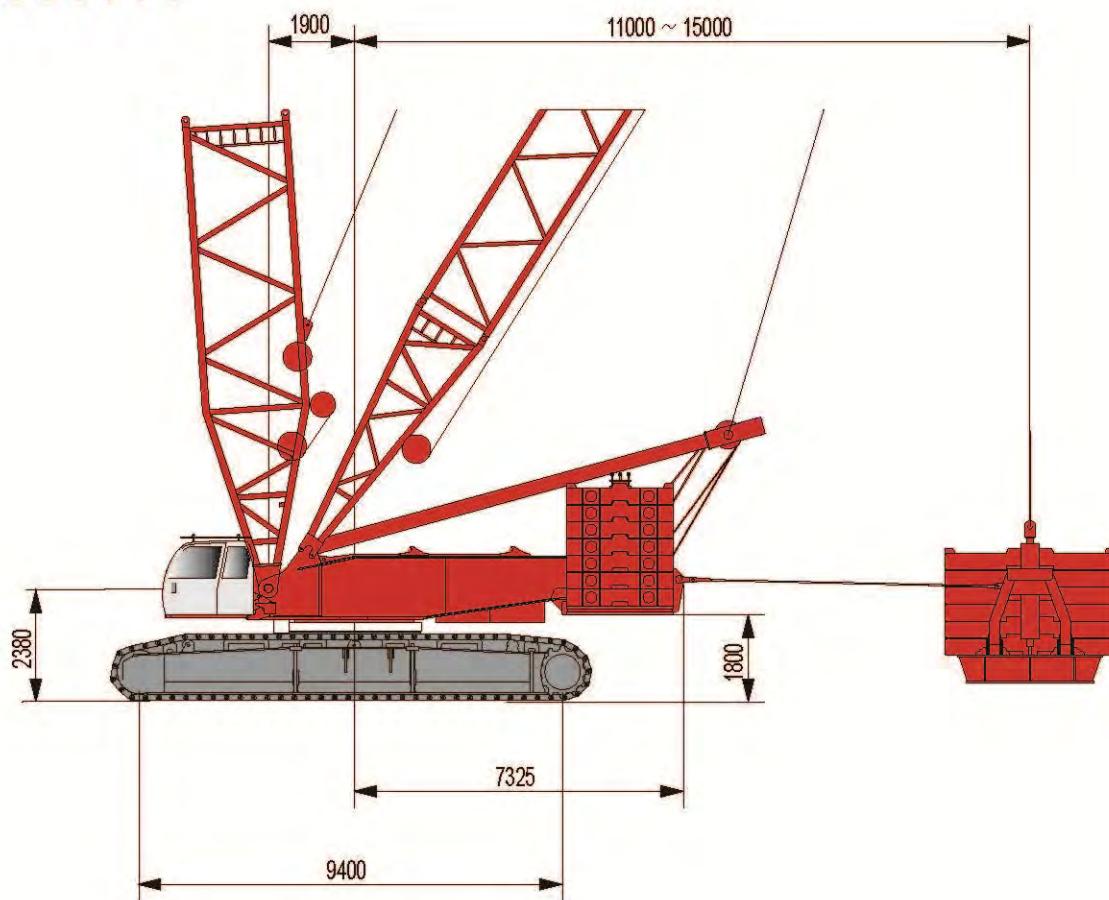
Items		Data
Non-Superlift	Heavy boom	Max.rated lifting capacity (t) 400 (5m Working radius)
		Length (m) 24~84
	Heavy/light boom	Max.rated lifting capacity (t) 180 (10m Working radius)
		Length (m) 42~108
	Luffing jib	Max.rated lifting capacity (t) 139.8 (14m Working radius)
		Boom length (m) 30~72
		Luffing jib length (m) 24~72
	Fixed jib	Max.rated lifting capacity (t) 91.5
		Boom length (m) 60~84
		Jib length (m) 7~10
Superlift	SL mast	Length (m) 30
		Slewing radius (m) 11.5, 13.5, 15.5
	SL counterweight	Length (m) 0~250
		Slewing radius (m) 11, 13, 15
	Heavy boom	Max.rated lifting capacity (t) 400 (8m Working radius)
		Length (m) 30~96
	Heavy/light boom	Max.rated lifting capacity (t) 139 (12m Working radius)
		Length (m) 78~126
	Luffing jib	Lifting capacity (t) 154.1(16m Working radius)
		Boom length (m) 36~90
		Jib length (m) 30~90
	Fixed jib	Max.rated lifting capacity (t) 115
		Boom length (m) 60~96
		Jib length (m) 7~10

Technical Data

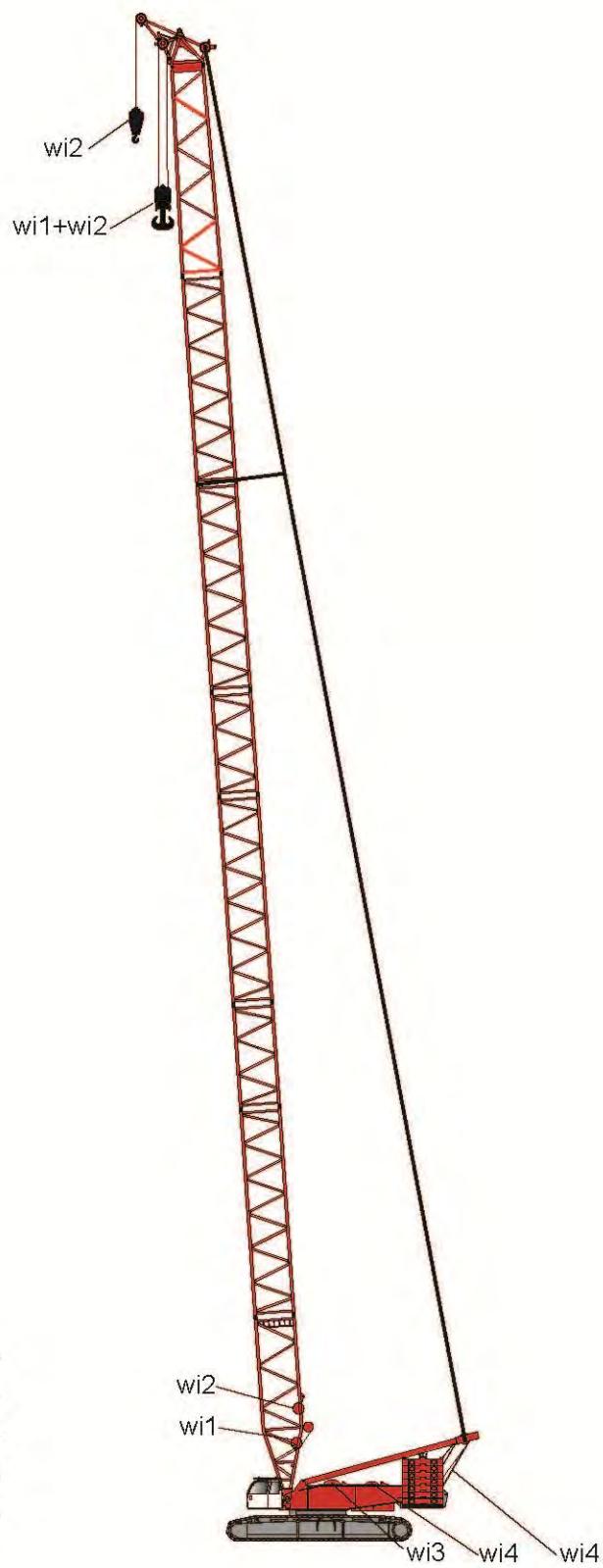


Working capacity	Hook type (t)	15/50/100/400 (200× 2)	
	Hoist (1,2) speed (m/min)	0 ~ 145	
	Main derrick speed (m/min)	(0 ~ 35) × 2	
	Luffing jib derrick speed (m/min)	0 ~ 72	
	SL derrick speed (m/min)	0 ~ 108	
	Slewing speed (r/min)	0 ~ 1.3	
	Traveling speed (km/h)	0 ~ 1.2/0 ~ 0.4	
Crane mass		325 t	
Boom derrick angle (°)	30 ~ 84	Grounding pressure (Mpa)	0.136
Luffing jib derrick angle (°)	15 ~ 72	Luffing jib angle (°)	66, 76, 86
Max.lifting torque (t · m)	With SL device 5100		
Engine	Type	Cummins QSM11 diesel engine	
	Power (kW)	298	
	Rev. (rpm)	2100	

Overall Dimension



Overall Dimension



Wi1—Hoist (1)

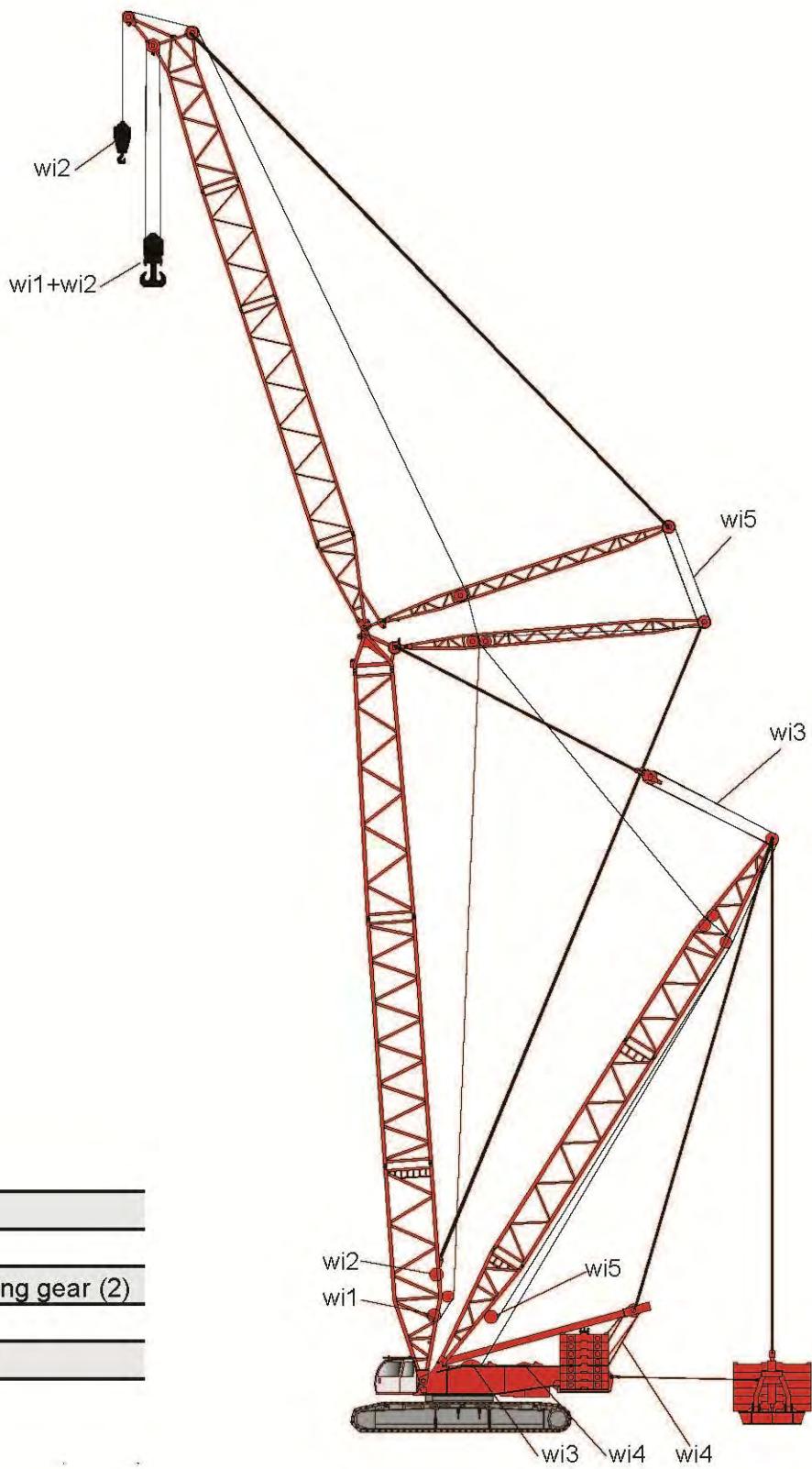
Wi2—Hoist (2)

Wi3—Superlift luffing gear (2)

Wi4—Derrick gear

Overall Dimension

- Wi1—Hoist (1)
- Wi2—Hoist (2)
- Wi3—Superlift derrick gear (2)
- Wi4—Derrick gear
- Wi5—Luffing gear (1)



Specifications

• • • • •

Superstructure

Power unit



The crane is powered by Cummins QSM11 diesel engine, 6-cylinder, water cooled, power 298kW, rev 2100rpm, conformed to U.S.EPA Tier3, EU StageIII Emission Standard. Equipped with one 650L fuel oil tank, and the fuel level is shown by the indicator in operator's cab.

Control system



Modulating electronic-over-hydraulic controls provide the finest speed response directly proportional to control lever movement. Fault diagnosis system is built-in for troubleshooting. The dual-color touch screen enables operator to operate moment limiter. Automatic power control optimizes efficiency of the engine output. The controls adopt the Rexroth RC controller system, display, encoder, moment limiter and monitor system. Data transmission is conducted through reliable Controller Area Network (CAN)-Bus, to improve the system reliability.

Hydraulic system



Under electronic-over-hydraulic control, the system consists of main circuit, control system, and auxiliary system. The main hydraulic components are from Rexroth. It adopts LUDV load independent flow distribution system, and electric proportional pilot control, smooth and accurate control. The system is equipped with a hydraulic oil tank of 800L, separated hydraulic oil cooling system.

Hoist winches



The standard crane is equipped with two hoist winches; hoist winch H1, hoist winch H2. The planetray reduction gear is driven by Rexroth variable displacement hydraulic motor ,to control the winches' lifting. The winch speed can be adjusted stepless depending on the customers' requirements, and built-in reduction gear that is compact structure while easy to assemble/dismantle.

Hoist device



Drum diameter: 650mm; working layers: 0-7; max.rope speed: 145m/min

Wire rope diameter: 28mm; wire rope length: 800m

Specifications

• • • • •

Superstructure

Derrick winch



The standard crane is equipped with derrick W1, derrick W2, SL device is equipped with SL derrick winch W3. It supplies the power and be independently driven by variable displacement hydraulic motor via the closed planetary reduction gear, and built-in reduction gear that is compact structure while easy to assemble/disassemble. All the wire rope winches are equipped with spring brake, hydraulic spring multi-disc brake.

Derrick gear



Drum diameter: 610mm; working layers: 0-7; max. rope speed: 35m/min x 2;
Wire rope diameter: 26mm; wire rope length: 240m x 2.

Luffing gear (1)



Drum diameter: 630mm; working layers: 0-7; max. rope speed: 72m/min;
Wire rope diameter: 26mm; wire rope length: 550m.

SL luffing gear (2)



Drum diameter: 630mm; working layers: 0-7; max. rope speed: 108m/min;
Wire rope diameter: 26mm; wire rope length: 750m.

Slewing system



The slewing system adopts a closed hydraulic system, two motors provide drive via the closed planetary reduction gear, stable slewing without impact, stepless speed adjustments within 0~1.3 rpm; there is the function of a free trackslip at natural position.

Specifications

• • • • •

Counterweight



Undercarriage central ballast: 41t, 4 blocks in total.

Rear counterweight: 160t, 14 blocks of counterweight, 2 trays.

SL counterweight: 25t, 24 blocks of counterweight, 1 tray.

Cab



The comfort cab, fully closed, of steel frame structure, of low noise design, which is mounted with large windshield wiper, airconditioner, skylight, meters for all functions, control devices, fire extinguisher, air ventilator,etc. Operator's seat and control levers are ergonomically designed. The cab can tilt to 20 degrees, enlarging the view of operator. Inside the cab are displays for video cameras installed to monitor the winches. The cab can be moved to front of superstructure, reducing the transportation width.

Undercarriage

The undecarriage consists of crane body, two tracks. The crane body and tracks are connected by the power pins, making it easy to assemble and dismantle.

Crane body



The crane body is used for connecting the slewing superstructure and track carrier, welded by high strength alloy steel of box structure, which has better flexural resistance, torsion resistance.

Track carrier



The track frames are constructed from high strength alloy steel, flexural resistance. The track shoes are made from high strength cast steel after heat treatment. There are 14 track rollers on each, which are treated by case hardening. There are 148 track shoes in total on the left, right track undercarriage, 1200mm wide. The tension of track can be adjusted by the extension of cylinders and secured by adding or reducing shims. The automatic centralized lubrication system is convenient to maintenance.

Drive



Four drives, the track is driven by four variable hydraulic motor via the closed planetary reduction gear, with spring hydraulic "normally- closed" brake system. Each track is controlled by stepless shift gears, high speed is 0-1.2 Km/h, low speed 0-0.4Km/h, smooth operation.

Specifications

• • • • •

Boom Configurations

Boom combination



The boom is of lattice structure design, consisting of following combinations: heavy boom, heavy boom+ runner, heavy boom+SL mast, heavy boom+SL mast+SL counterweight, heavy/light boom, heavy/light boom+runner, heavy/light boom+SL mast+SL counterweight, fixed jib, fixed jib+SL mast, luffing jib, luffing jib+SL mast, luffing jib+SL mast+SL counterweight

Heavy boom (H)



Boom: 10.5m boom foot, boom 12m and 6m insert, boom 12m tapered section, boom 1.5m head.
Boom length: 24m~84m.

Heavy boom+runner (HR)



The boom combinations are same as the heavy boom.

Heavy boom+SL mast (HS)



The boom combinations are same as the heavy boom.

SL device: SL mast 30m, including 6m boom foot, 12m insert and 12m boom head.
Boom length: 30m~96m.

Heavy boom+SL mast+SL counterweight (HSD)



The boom combinations are same as the heavy boom.

SL device: SL mast 30m, SL counterweight: 0~250t, SL radius: 11m~15m.
Boom length: 30m~96m.

Specifications

• • • • •

Boom Configurations

Heavy/light boom (H/L)



Heavy/light boom: boom 10.5m foot, boom 12m and 6m insert, 12m tapered section, luffing jib 12m and 6m insert. luffing jib 7.5m head.

Boom length: 42m~108m.

Heavy/light boom+runner (HR/L)



The boom combinations are same as heavy/light boom.

Heavy/light boom+SL mast+SL counterweight (HSD/L)



The boom combinations are same as heavy/light boom.

SL device: SL mast 30m, SL counterweight: 0~250t, SL radius: 11m~15m.

Boom length: 78m~126m.

Heavy boom+fixed jib (HF)



Boom: boom 10.5m foot, boom 12m and 6m insert, boom 12m tapered section.

Boom length: 60m~84m.

Jib: jib 3.5m foot, jib 3.5m head and jib 3m insert.

Fixed jib length: 7m~10m

Luffing jib (HT)



Boom: boom 10.5m foot, boom 12m and 6m insert, boom 12m tapered section, boom 1.5m head.

Luffing jib: luffing jib 4.5m foot, luffing jib 12m and 6m insert. luffing jib 7.5m head.

Boom length: 30m~72m; luffing jib length: 24m~72m;

Max.combination length (boom+luffing jib): 72m+72m.

Luffing jib+SL mast (HTS)



The boom combinations are same as luffing jib.

SL device: SL mast 30m. Boom length: 36m~90m; luffing jib length: 30m~90m;

Max.combination length (boom+luffing jib): 90m+84m.

Specifications



Boom Configurations

Luffing jib+SL mast+SL counterweight (HTSD) 

The boom combinations are same as luffing jib.

SL device: SL mast 30m. Boom length: 36m~90m; luffing jib length: 30m~90m;
Max.combination length (Boom+luffing jib): 90m+84m.

Hook

Type	Lifting capacity	Max.reevings	Weight
200 t × 2	400 t	2 × 17	680 0kg
100t	100 t	7	29 00kg
50t	50 t	3	1500 kg
15t	15t	1	700kg

Note: a 400t dual pulley block hook can be converted to 200t single pulley block hook.

Symbols of working condition:

1. Heavy boom: H
2. Heavy boom+runner: HR
3. Heavy boom+SL mast: HS
4. Heavy boom+SL mast+SL counterweight: HSD
5. Heavy/light boom: H/L
6. Heavy/light boom+runner: HR/L
7. Heavy/light boom+SL mast+SL counterweight: HSD/L
8. Fixed jib: HF
9. Fixed jib+SL mast: HFS
10. Luffing jib: HT
11. Luffing jib+SL mast: HTS
12. Luffing jib+SL mast+SL counterweight: HTSD

Safety Devices

Anti two-block and boom backstop prevention device

Anti two-block and boom backstop prevention device are used for preventing crane damage or turnover due to overhoist.

Anti-two block device

When the hook lifts up to the maximum height, it will touch the anti two-block device. the hoist operation is being dis-engaged immediately, to prevent the hook touching the boom top. The control relay initiates a buzzer alarm and indicator will light up. So the rise of the hook will be stopped automatically and the hook must be returned to the safe position again.

Boom backstop prevention device

The boom upper limit display is measured by moment limiter angle sensor, the control signal is measured and sent out by the moment limiter and boom backstop prevention at the same time, who is the first and who is effective.

a. when boom \geq upper limit angle 84°, the moment limiter alarms continuously with sound and light, output limit signal to PLC. At the same time, the boom 84° upper limit switch initiates output limit signal to PLC; PLC output controls the signal, and control the main derrick winch to stop operation, lock the boom and stop boom rising.

b. Luffing jib working condition

when luffing boom \geq upper limit angle 86°, the moment limiter alarms continuously with sound and light, output limit signal to PLC. At the same time, the boom 86° upper limit switch initiates output limit signal to PLC; PLC output controls the signal, and control the main derrick winch to stop operation, lock the luffing boom and stop boom rising.

When luffing boom=upper limit angle 72°, the moment limiter alarms continuously with sound and light, output limit signal to PLC; PLC output controls the signal, and control the luffing derrick winch to stop operation ,lock the luffing jib and stop boom rising.

c. SL working condition

When SL mast \geq upper limit angle 122.25°, the moment limiter alarms continuously with sound and light, output signal to PLC. At the same time, the SL mast 122.25° upper limit switch initiates, output limit signal to PLC; PLC output controls the signal, and control the main derrick winch and SL derrick winch to stop operation, lock the boom and stop boom rising.

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 \leq load moment $<$ 90% of rated load moment, and the moment limiter proportion bar shows green, the moment limiter alarms with no sound.

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

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

Load moment \geq 105% of rated load moment, and the moment proportion bar shows red alarm, a continuous alarm sounds, at the same time transmits the signal. The hook (1,2) stops rising, and boom, luffing jib stops derricking.

Safety Devices

Load indicator light



For the jobsite personnel's easy understanding of the mechanical load situation, the crane is provided with a tricolor warning light. At the same time, the operator's cab is also equipped with interphone for communication between operator and directing personnel.

Anemoscope



Anemoscope- mounted on the top of boom to measure the wind speed, which is shown on the moment limiter display.

Pharos



The solar pharos is mounted on the top of boom.

Brake and locking device



Brake: this crane is equipped with main, auxiliary drum brake; main,auxiliary derricking drum brake, slewing brake.

Force sensor, angle sensor



The force sensor is mounted on the boom, luffing jib, SL boom pull tube, which is used for measuring the force, calculating and showing the load weight by the moment limiter.

The angle sensor is mounted on the boom, luffing jib, SL boom foot and boom, luffing jib head, which is used for measuring the angle of boom, luffing jib and the deflection of boom.

Gradienter



The gradienter is used for measuring the angle between crane body and level surface to ensure the machine can work in a leveled position as to meet the requirements.

Rope overfeeding prevention system (last three-layers protection)



The last three-layers devices are mounted on the main, auxiliary drum, jib derricking, SL derricking to prevent the drum from running out of rope.

Slewing, traveling alarm



The buzzer will alarm when slewing and traveling.

Machine Configuration



Heavy boom (H)

Max.lifting capacity 400t x 5.0m

Max.boom length 84m

Heavy boom+runner (HR)

Max.lifting capacity 30t x 38.0m

Max.boom length 84m

Heavy boom+SL mast (HS)

Max.lifting capacity 368t x 7.0m

Max.boom length 96m



Machine Configuration



Heavy boom+SL mast+
SL counterweight (HSD)



Max.lifting capacity 400t x 8.0m

Max.boom length 96m

Heavy/light boom (H/L)



Max.lifting capacity 180t x 10.0m

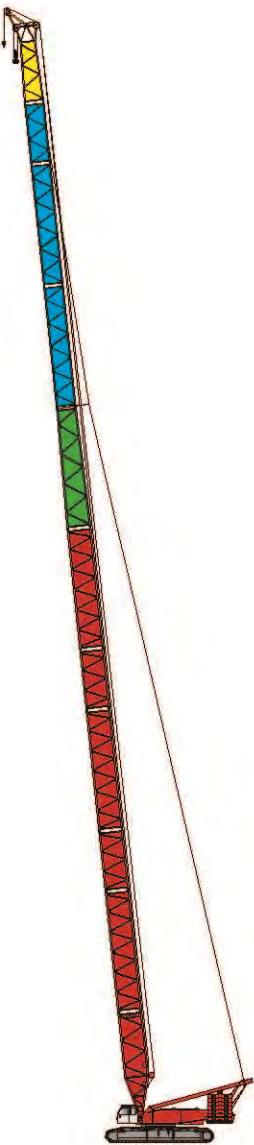
Max.boom length 108m

Heavy/light boom+runner (HR/L)



Max.lifting capacity 30t x 42.0m

Max.boom length 108m



Machine Configuration



Heavy/light boom+SL mast
+SL counterweight (HSD/L)



Max.lifting capacity 139t x 12m

Max.boom length 126m

Heavy boom+fixed jib (HF)



Max.lifting capacity 91.5t x18m

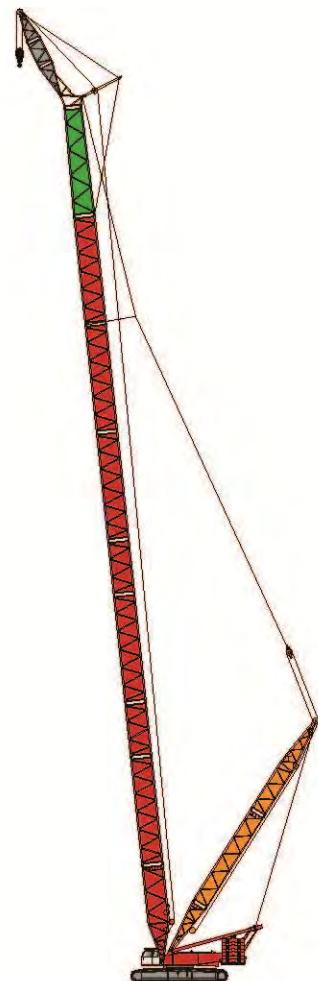
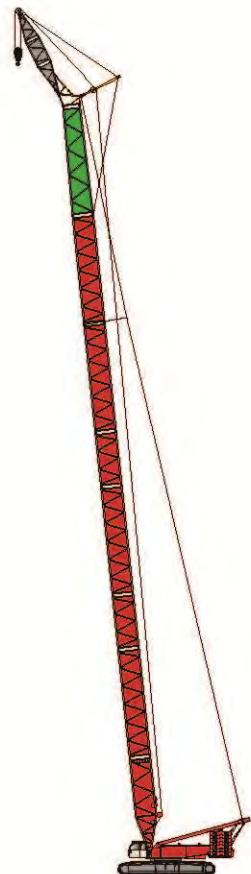
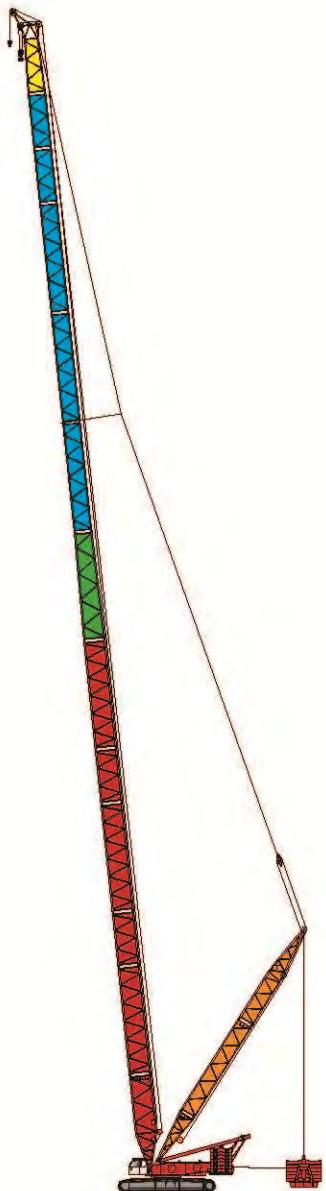
Max.boom length 84m+10m

Heavy boom+fixed jib+SL mast (HFS)



Max.lifting capacity 115t x16m

Max.boom length 96m+10m



Machine Configuration

Luffing jib (HT) 

Max.lifting capacity 139.8t x14m

Max.boom length 72m+72m

Luffing jib+SL mast (HTS) 

Max.lifting capacity 125.6t x 16m

Max.boom length 90m+84m

Luffing jib+SL mast+
SL counterweight (HTSD) 

Max.lifting capacity 154.1t x 16m

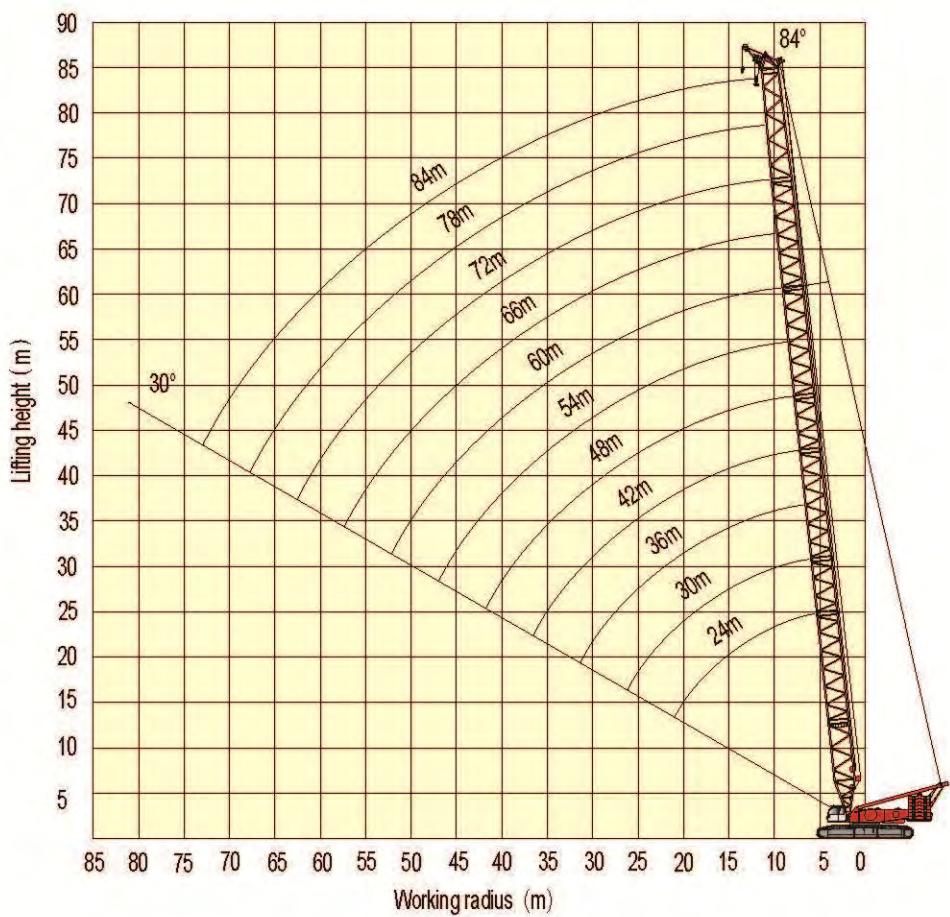
Max.boom length 90m+84m



Notes for Rated Lifting Capacity Load Chart

- 1. This mode conforms to GB3811, ISO4302, ISO4305 and ISO4308.
- 2. This load ratings are based on the crane standing on level and solid ground within 5/1000, no lifting over rating allowed.
- 3. Total rated load is under 75% of tipping load.
- 4. When the applied load happens to weight between two values in the load chart, prefer the one for larger load for safety concern.
- 5. The rated lifting capacity includes the weight of hook, slings and other lifting devices. That is, the actual rated lifting capacity should deduct the weight of slings and deducted weight from load chart.
400(200)t hook: 6.80t; 200t hook: 3.40t; 100t hook: 3.15t; 50t hook: 1.50t; 15t hook: 0.70t, subject to actual hook weight of crane.
- 6. When mounted with fixed jib, the actual lifting capacity of jib is the value in the load chart should deduct weight of main hook.
- 7. When mounted with runner, the actual lifting capacity of runner is the value in the load chart should deduct weight of main boom hook.
- 8. The counterweight for this crane is 140 (160t); total lower central ballast is 40t; each front and rear is 20t.
- 9. Stability is weak at crane side.

Working Range H



Rated Lifting Capacity Load Chart H



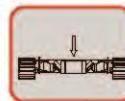
24m-84m



360°



140t

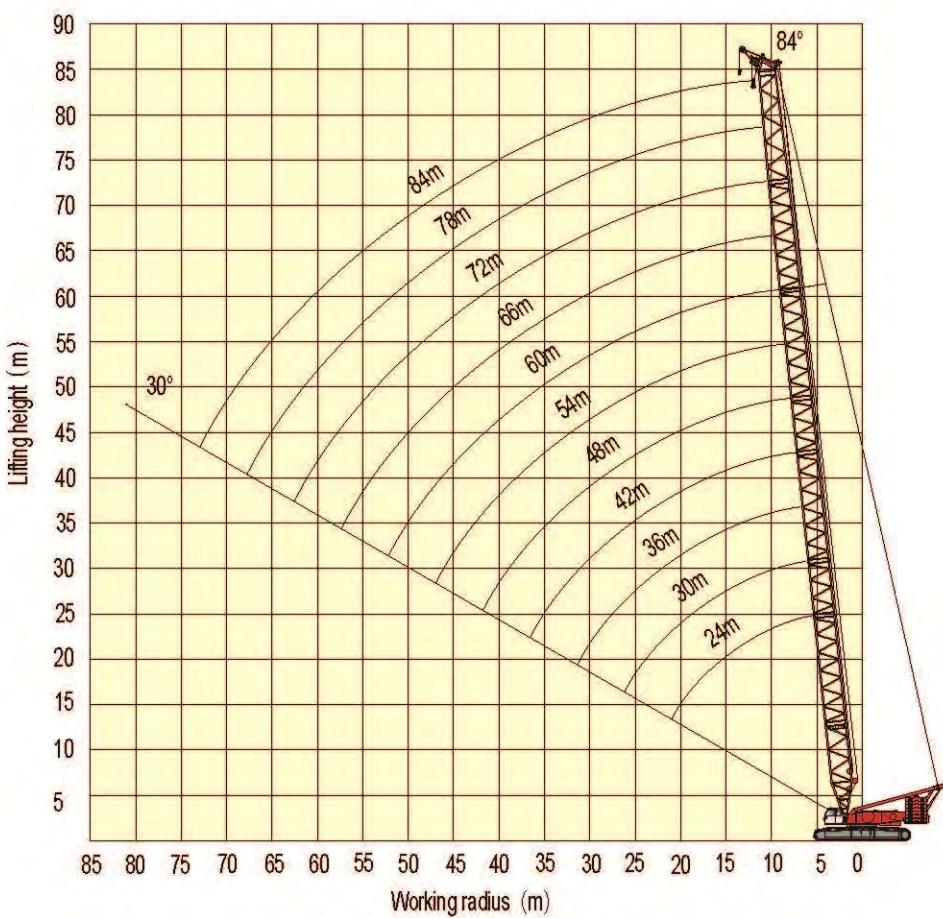


40t

Unit:t

Boom length Working radius	24.0m	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
5.0m	400.0										
6.0m	330.0	329.4	6.4m/326.5	6.9m/303.7							
7.0m	297.0	295.8	294.2	293.5	7.4m/272.2	7.9m/242.8					
8.0m	253.2	251.2	250.8	247.7	241.7	238.8	8.4m/215.4	9.0m/190.3			
9.0m	231.0	227.9	225.9	224.5	222.0	220.2	214.9	190.3	9.5m/167.6		
10.0m	210.4	208.4	205.1	202.2	200.8	196.0	188.4	181.4	165.4	10.0m/143.7	10.5m/122.8
12.0m	175.8	174.2	173.0	166.9	161.1	155.7	150.2	145.2	140.2	134.2	116.8
14.0m	136.7	135.8	131.3	130.7	129.3	128.2	124.0	120.2	116.2	112.6	108.4
16.0m	120.2	119.6	118.8	115.1	111.6	108.3	104.8	101.7	98.4	95.5	92.2
18.0m	101.3	100.7	100.2	98.9	95.9	93.2	90.2	87.6	84.8	82.3	79.4
20.0m	87.1	86.5	85.9	85.0	83.7	81.4	78.8	76.5	73.9	71.8	69.2
22.0m	76.1	75.4	74.9	73.9	73.0	71.9	69.5	67.5	65.2	63.2	60.9
24.0m	23.3m/69.9	66.6	66.0	65.0	64.1	63.4	61.8	60.0	57.9	56.1	54.0
26.0m		59.3	58.7	57.7	56.8	56.1	55.1	53.8	51.7	50.1	48.1
28.0m		53.3	52.7	51.7	50.7	50.0	49.0	48.3	46.5	45.0	43.1
30.0m		28.5m/51.8	47.6	46.5	45.6	44.9	43.8	43.1	42.0	40.6	38.7
34.0m			33.7m/39.8	38.3	37.4	36.6	35.6	34.9	33.8	33.1	31.6
38.0m				32.0	31.1	30.3	29.2	28.5	27.5	26.8	25.7
42.0m				38.9m/30.8	26.1	25.3	24.2	23.5	22.5	21.8	20.6
46.0m					44.1m/23.8	21.3	20.2	19.5	18.4	17.7	16.6
50.0m						49.3m/18.5	16.8	16.1	15.0	14.4	13.2
54.0m							14.0	13.3	12.2	11.5	10.4
58.0m							54.5m/13.7	10.9	9.8	9.1	8.0
62.0m								59.7m/10.0	7.7	7.0	5.9
66.0m									64.9m/6.4	5.2	
70.0m										3.6	

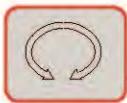
Working Range H



Rated Lifting Capacity Load Chart H



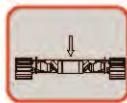
24m-84m



360°



16t

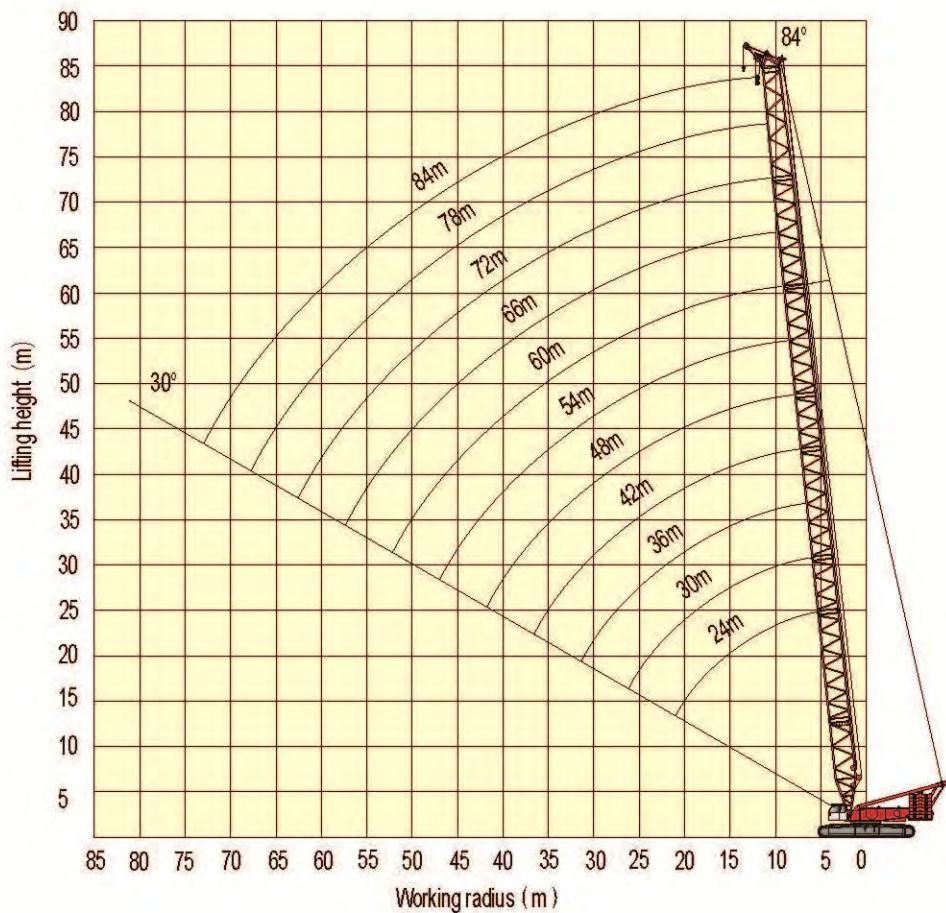


40t

Unit:t

Boom length Working radius	24.0m	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
5.0m	400.0										
6.0m	330.0	329.4	6.4m/326.5	6.9m/303.7							
7.0m	297.0	295.8	294.2	293.5	7.4m/272.2	7.9m/242.8					
8.0m	253.2	251.2	250.8	248.2	246.7	242.8	8.4m/215.4	9.0m/190.3			
9.0m	231.0	227.9	225.9	224.8	223.3	222.1	215.1	190.3	9.5m/167.6		
10.0m	220.0	218.4	215.1	213.4	212.3	210.9	207.7	189.7	165.4	10.0m/143.7	10.5m/122.8
12.0m	181.8	180.2	176.0	174.9	172.6	169.8	165.9	160.5	154.1	134.2	116.8
14.0m	141.7	140.8	138.3	137.8	136.1	135.7	134.2	133.1	128.9	124.7	108.4
16.0m	132.6	132.1	131.3	127.3	123.5	120.0	116.3	113.0	109.5	106.3	100.2
18.0m	112.0	111.4	110.8	109.6	106.4	103.5	100.3	97.6	94.6	91.9	88.9
20.0m	96.5	95.8	95.2	94.3	93.1	90.6	87.8	85.4	82.7	80.4	77.8
22.0m	84.4	83.7	83.1	82.2	81.3	80.1	77.7	75.5	73.1	71.1	68.7
24.0m	23.3m/77.6	74.0	73.4	72.5	71.5	70.8	69.3	67.4	65.2	63.3	61.1
26.0m		66.1	65.5	64.5	63.6	62.9	61.8	60.5	58.5	56.7	54.7
28.0m			59.5	58.9	57.9	56.9	56.2	55.2	54.5	52.7	51.1
30.0m			28.5m/57.9	53.3	52.3	51.3	50.6	49.5	48.9	47.8	46.3
34.0m				33.7m/44.8	43.3	42.3	41.6	40.5	39.8	38.8	38.1
38.0m					36.4	35.4	34.7	33.6	32.9	31.8	31.2
42.0m					38.9m/35.0	30.0	29.3	28.2	27.5	26.4	25.7
46.0m						44.1m/27.5	24.8	23.7	23.0	21.9	21.3
50.0m							49.3m/21.7	20.1	19.4	18.3	17.6
54.0m								17.0	16.3	15.2	14.5
58.0m								54.5m/16.6	13.7	12.6	11.9
62.0m									59.7m/12.7	10.3	9.6
66.0m										64.9m/8.8	7.6
70.0m											4.6

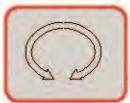
Working Range HR



Rated Lifting Capacity Load Chart HR



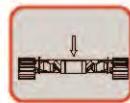
24m-84m



360°



140t

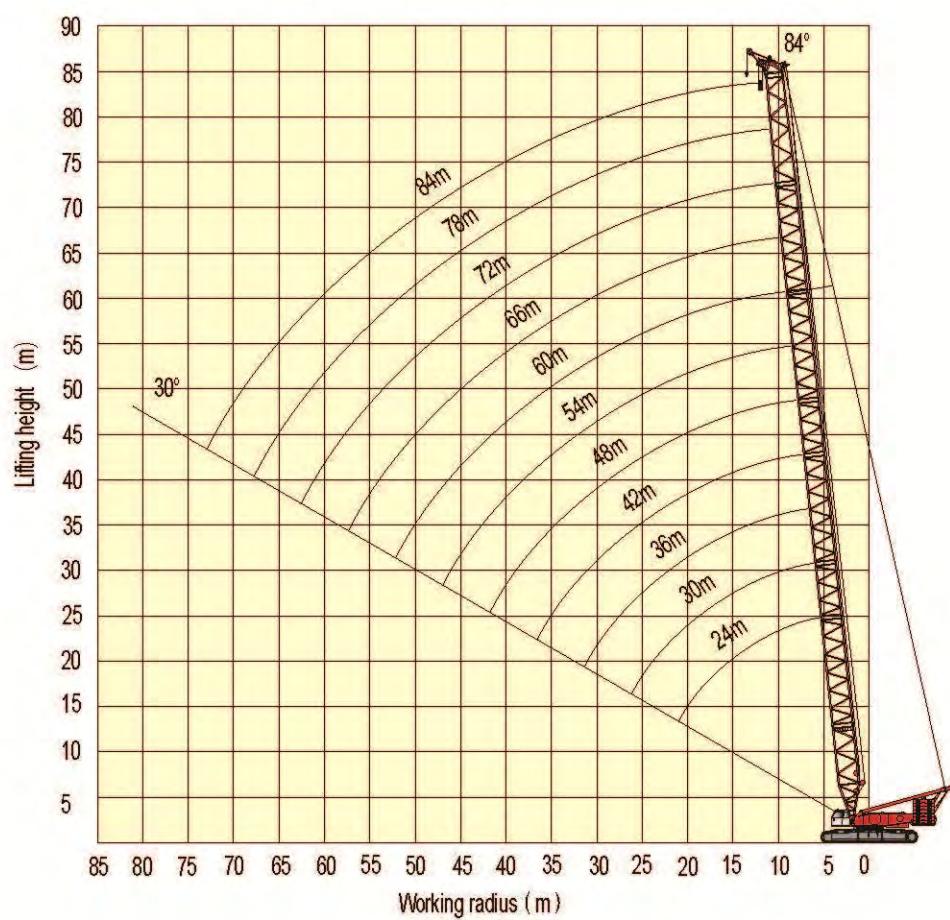


40t

Unit:t

Working radius \ Boom length	24.0m	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
9.0m						30.0					
10.0m					30.0		30.0	30.0	30.0		
12.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
14.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
16.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
18.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
20.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
22.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
24.0m		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
26.0m		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
28.0m		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
30.0m			30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
34.0m				30.0	30.0	30.0	30.0	30.0	30.0	30.0	
38.0m					30.0	30.0	28.0	27.0	25.0	25.0	24.0
42.0m					25.0	24.0	23.0	22.0	21.0	20.0	19.0
46.0m						20.0	19.0	18.0	17.0	16.0	15.0
50.0m							15.0	15.0	14.0	13.4	12.2
54.0m							13.0	12.3	11.2	10.5	9.4
58.0m								9.9	8.8	8.1	7.0
62.0m									6.7	6.0	4.9
66.0m										4.2	
70.0m										2.6	

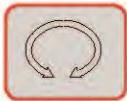
Working Range HR



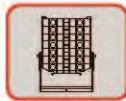
Rated Lifting Capacity Load Chart HR



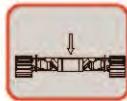
24m-84m



360°



16t

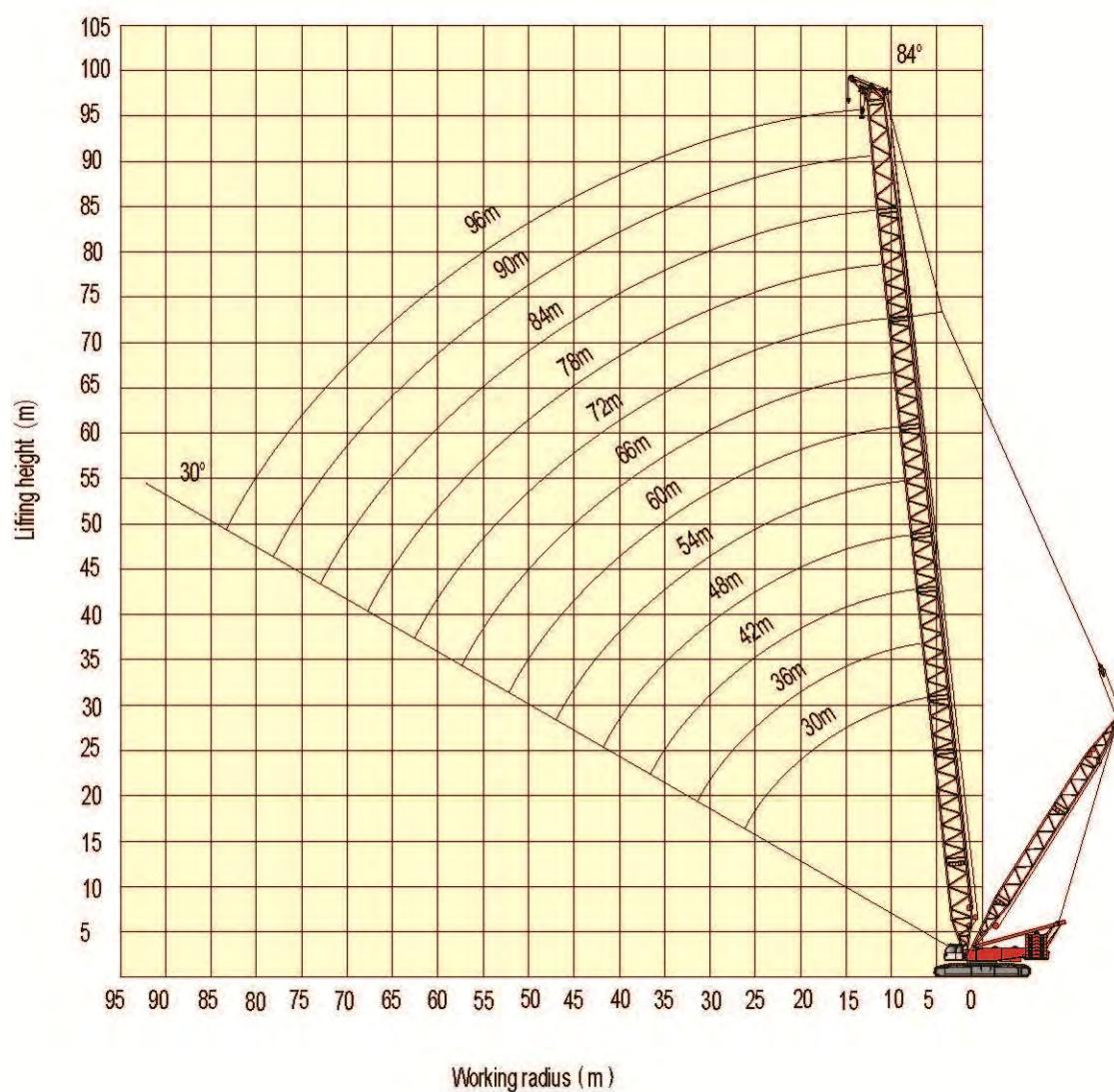


40t

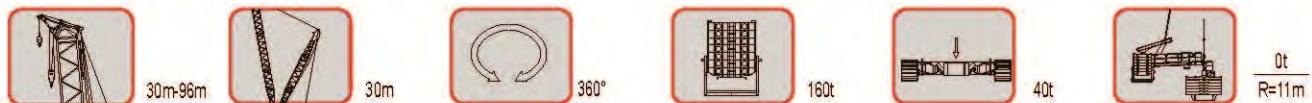
Unit:t

Working radius \ Boom length	24.0m	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
9.0m							30.0				
10.0m							30.0		30.0		
12.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
14.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
18.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
20.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
22.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
24.0m		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
26.0m		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
28.0m		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
30.0m			30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
34.0m				30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
38.0m					30.0	30.0	30.0	30.0	30.0	30.0	29.0
42.0m						29.0	28.0	27.0	26.0	25.0	24.0
46.0m							23.0	22.0	22.0	20.0	19.0
50.0m								19.0	18.0	17.0	16.0
54.0m								16.0	15.0	14.2	13.5
58.0m									12.7	11.6	10.9
62.0m										9.3	8.6
66.0m											6.6
70.0m											3.6

Working Range HS



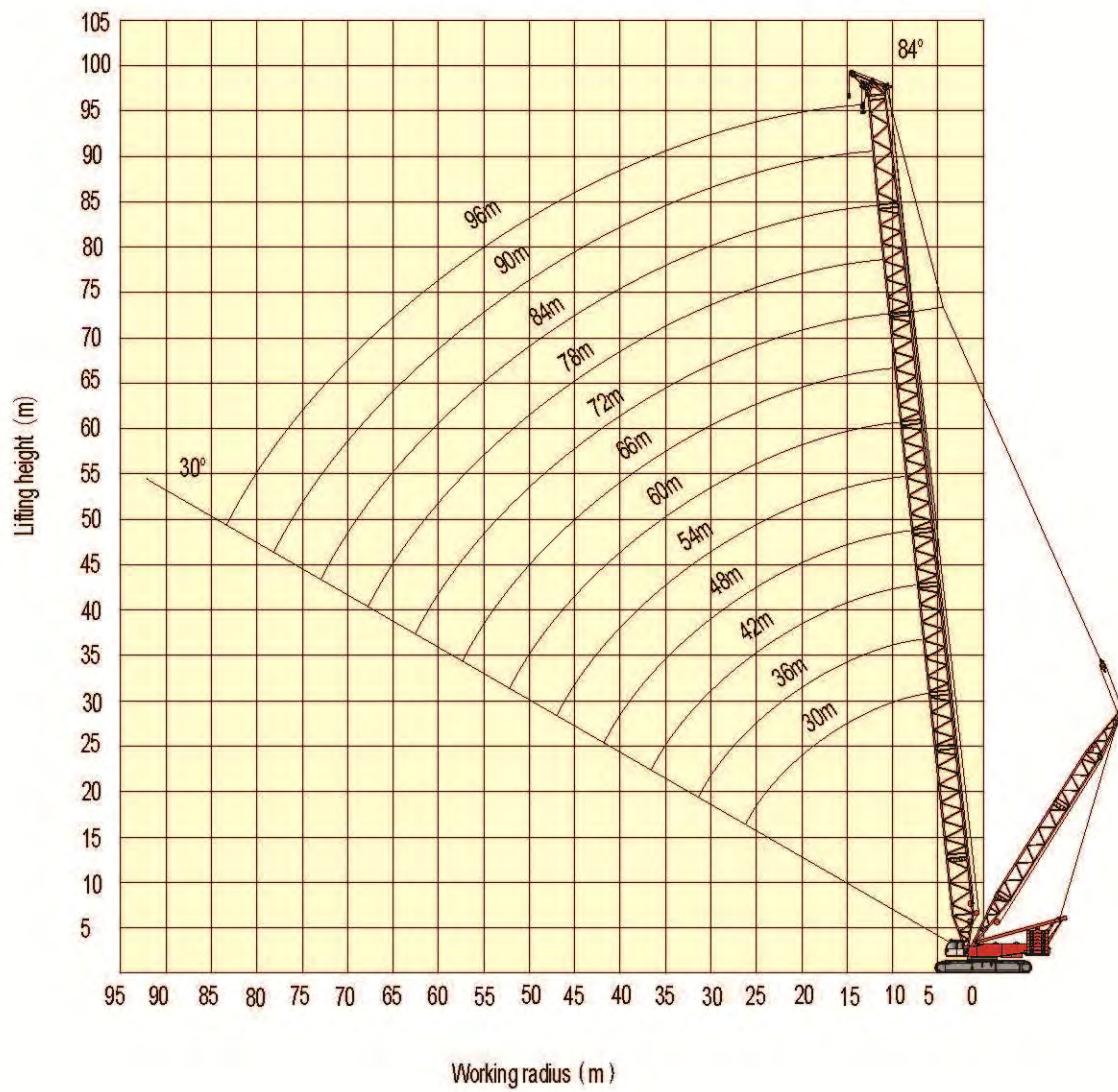
Rated Lifting Capacity Load Chart HS



Unit:t

Working radius \ Boom length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m
7.0m	365.6	358.9	340.4									
8.0m	342.9	325.0	305.0	300.1	251.5							
9.0m	287.4	272.0	268.0	245.5	226.0	210.7						
10.0m	255.4	226.8	226.0	210.5	202.9	195.5	205.7	184.7	167.1	151.6		
12.0m	198.2	192.7	186.9	181.4	176.2	170.9	166.0	161.0	156.3	139.5	127.0	114.0
14.0m	156.6	156.0	152.8	148.6	144.7	140.6	136.9	132.9	129.3	125.4	121.9	110.0
16.0m	128.7	128.0	127.0	125.2	122.1	118.7	115.7	112.4	109.4	106.2	103.2	100.1
18.0m	108.6	107.9	106.9	105.9	105.0	102.1	99.6	96.7	94.2	91.4	88.8	86.1
20.0m	93.4	92.8	91.7	90.7	89.9	88.8	86.9	84.4	82.2	79.6	77.4	74.9
22.0m	81.6	80.9	79.8	78.8	78.0	76.9	76.2	74.4	72.4	70.1	68.1	65.8
24.0m	72.1	71.4	70.3	69.3	68.5	67.4	66.6	65.5	64.4	62.2	60.4	58.2
26.0m	64.3	63.6	62.5	61.5	60.7	59.5	58.8	57.6	56.9	55.6	53.8	51.8
28.0m	57.8	57.1	56.0	54.9	54.1	53.0	52.2	51.1	50.4	49.1	48.3	46.4
30.0m		51.6	50.5	49.4	48.6	47.4	46.7	45.5	44.8	43.6	42.7	41.6
32.0m		46.9	45.7	44.7	43.8	42.7	41.9	40.7	40.0	38.8	37.9	36.8
34.0m			41.6	40.5	39.7	38.5	37.8	36.6	35.8	34.6	33.8	32.6
36.0m				38.0	36.9	36.1	34.9	34.1	32.9	32.2	31.0	30.1
38.0m				34.8	33.7	32.9	31.7	30.9	29.7	29.0	27.7	26.9
40.0m					30.9	30.1	28.9	28.1	26.9	26.1	24.9	24.0
42.0m					28.3	27.5	26.3	25.5	24.3	23.6	22.3	21.5
44.0m					26.0	25.2	24.0	23.2	22.0	21.3	20.0	19.1
46.0m						23.1	21.9	21.2	19.9	19.2	17.9	17.1
48.0m						21.2	20.0	19.3	18.0	17.3	16.0	15.1
50.0m							18.3	17.5	16.3	15.5	14.3	13.4
54.0m							15.2	14.5	13.2	12.5	11.2	10.3
58.0m								11.9	10.6	9.9	8.6	7.7
62.0m									8.4	7.6	6.3	5.5
66.0m										5.7	4.4	4.2
70.0m										3.9		

Working Range HS



Working radius (m)

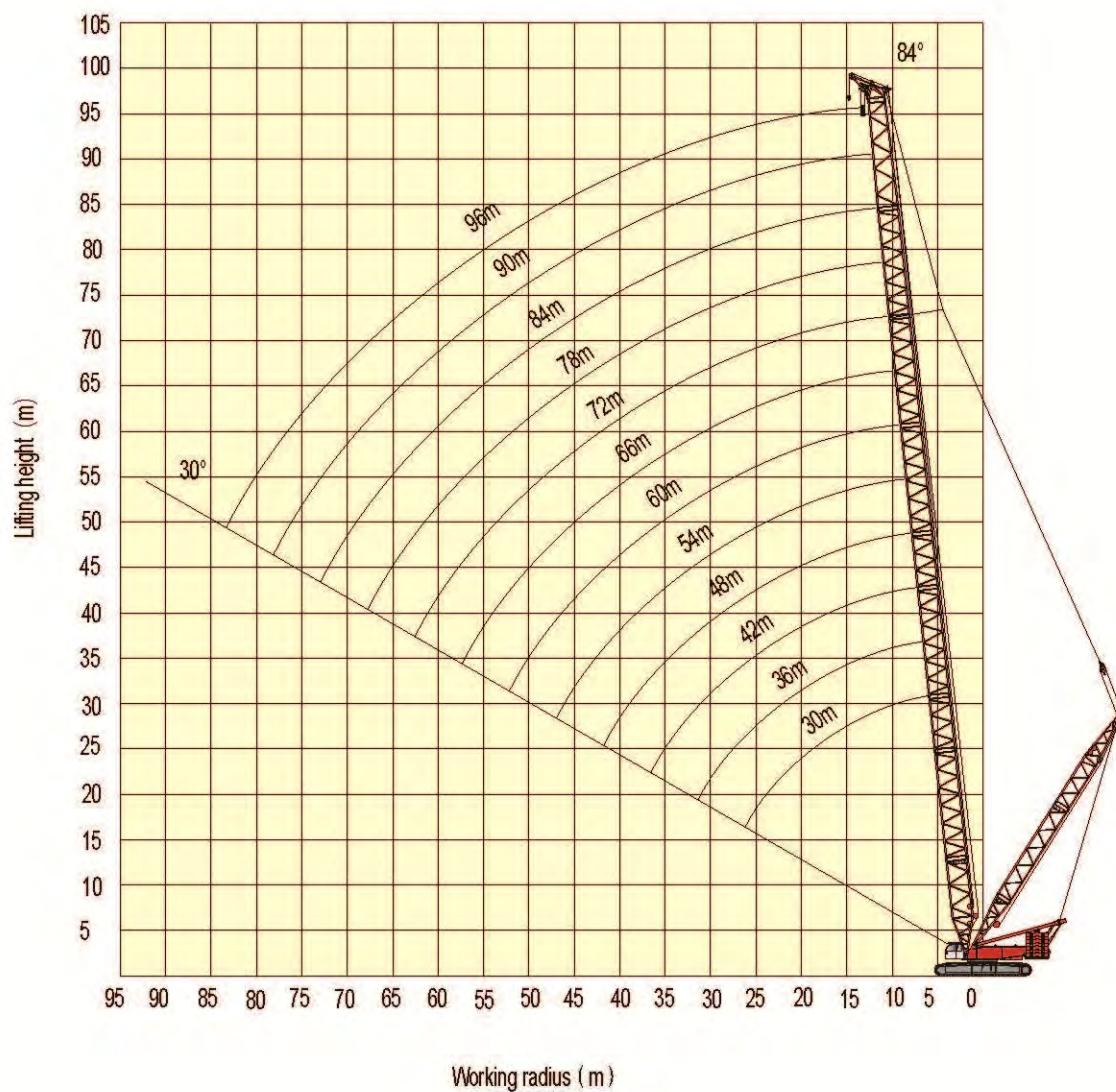
Rated Lifting Capacity Load Chart HS



Unit:t

Working radius	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m
7.0m	367.0	360.0	347.1									
8.0m	344.3	319.0	327.6	302.1	253.3							
9.0m	288.0	268.1	277.4	247.3	227.7	212.2						
10.0m	247.0	228.5	240.0	212.0	204.5	197.0	207.1	186.0	168.3	152.7		
12.0m	199.6	194.0	188.2	182.6	177.4	172.1	167.2	162.1	157.5	140.9	128.6	116.9
14.0m	157.7	157.1	153.9	149.7	145.7	141.6	137.9	133.9	130.3	126.4	121.3	113.9
16.0m	129.6	128.9	127.9	126.1	122.9	119.6	116.5	113.2	110.3	107.0	104.0	100.9
18.0m	109.3	108.7	107.6	106.7	105.8	102.9	100.3	97.5	95.0	92.1	89.6	86.8
20.0m	94.1	93.4	92.4	91.4	90.6	89.5	87.6	85.0	82.9	80.3	78.0	75.5
22.0m	82.2	81.5	80.4	79.4	78.6	77.5	76.8	75.0	73.0	70.7	68.7	66.4
24.0m	72.7	72.0	70.9	69.8	69.0	67.9	67.2	66.0	64.9	62.8	60.9	58.8
26.0m	64.8	64.1	63.0	62.0	61.2	60.0	59.3	58.1	57.4	56.1	54.3	52.3
28.0m	58.3	57.6	56.5	55.4	54.6	53.4	52.7	51.5	50.8	49.6	48.7	46.8
30.0m		52.0	50.9	49.8	49.0	47.8	47.1	45.9	45.2	44.0	43.2	42.0
32.0m		47.3	46.1	45.0	44.2	43.0	42.3	41.1	40.4	39.2	38.3	37.1
34.0m			42.0	40.9	40.1	38.9	38.1	36.9	36.2	35.0	34.1	32.9
36.0m			38.3	37.3	36.4	35.2	34.5	33.3	32.5	31.3	30.5	29.3
38.0m			35.1	34.0	33.2	32.0	31.3	30.1	29.3	28.1	27.2	26.0
40.0m				31.2	30.4	29.2	28.4	27.2	26.4	25.2	24.3	23.1
42.0m				28.6	27.8	26.6	25.8	24.6	23.9	22.6	21.7	20.5
44.0m				26.3	25.5	24.3	23.5	22.3	21.5	20.3	19.4	18.2
46.0m					23.4	22.2	21.4	20.2	19.4	18.2	17.3	16.1
48.0m					21.5	20.3	19.5	18.3	17.5	16.3	15.4	14.2
50.0m						18.5	17.8	16.5	15.8	14.5	13.6	12.4
54.0m						15.5	14.7	13.5	12.7	11.4	10.6	9.3
58.0m							12.1	10.8	10.1	8.8	7.9	6.7
62.0m								8.6	7.8	6.5	5.7	4.4
66.0m									5.8	4.6	3.7	
70.0m									4.1			

Working Range HS



Working radius (m)

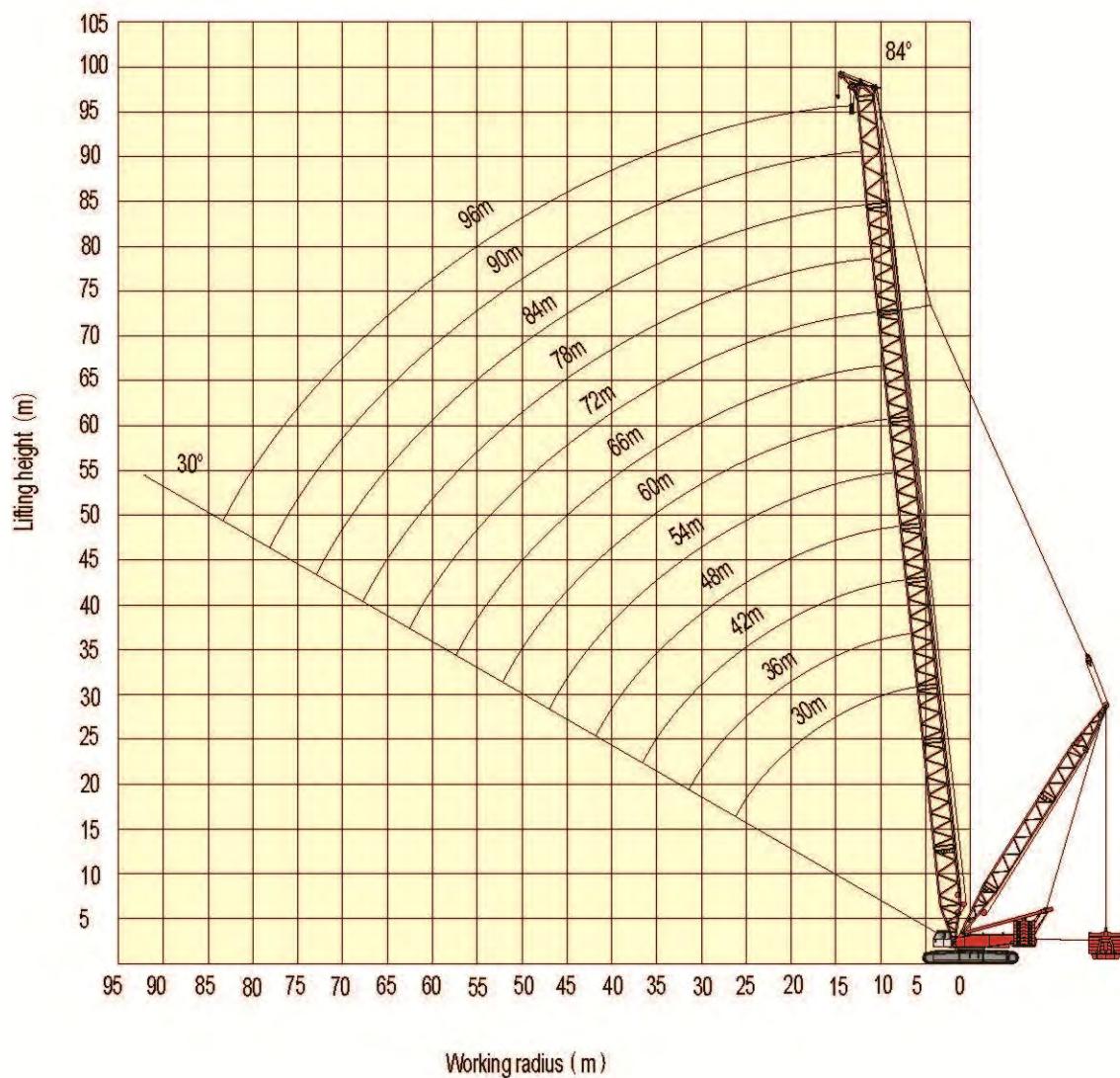
Rated Lifting Capacity Load Chart HS



Unit:t

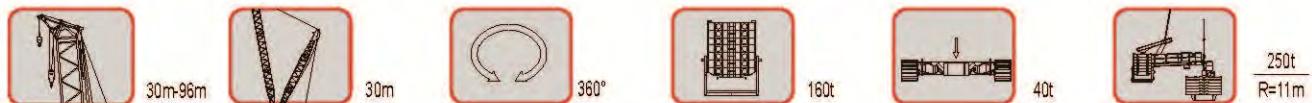
Working radius	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m
7.0m	368.0	362.9	349.1									
8.0m	345.6	340.2	329.8	304.1	255.0							
9.0m	281.3	270.0	259.2	249.0	229.5	213.8						
10.0m	258.8	230.1	221.6	213.6	206.0	198.5	208.5	187.3	169.5	153.8		
12.0m	200.9	195.3	189.5	183.9	178.6	173.3	168.4	163.3	158.6	143.7	129.0	116.5
14.0m	158.8	158.2	155.0	150.7	146.7	142.6	138.8	134.8	131.2	127.3	123.7	115.6
16.0m	130.5	129.8	128.8	127.0	123.8	120.4	117.4	114.1	111.1	107.8	104.8	101.7
18.0m	110.1	109.5	108.4	107.4	106.6	103.6	101.1	98.2	95.7	92.8	90.3	87.5
20.0m	94.8	94.1	93.0	92.0	91.3	90.2	88.2	85.7	83.5	80.9	78.7	76.2
22.0m	82.8	82.1	81.0	80.0	79.2	78.1	77.4	75.6	73.6	71.3	69.2	67.0
24.0m	73.2	72.5	71.4	70.4	69.6	68.4	67.7	66.6	65.5	63.3	61.4	59.3
26.0m	65.3	64.6	63.5	62.4	61.7	60.5	59.8	58.6	57.9	56.6	54.8	52.8
28.0m	58.7	58.0	56.9	55.8	55.0	53.9	53.1	52.0	51.3	50.1	49.2	47.3
30.0m		52.5	51.3	50.2	49.4	48.3	47.5	46.3	45.6	44.4	43.6	42.4
32.0m		47.7	46.5	45.4	44.6	43.4	42.7	41.5	40.8	39.5	38.7	37.5
34.0m			42.3	41.3	40.4	39.2	38.5	37.3	36.6	35.3	34.5	33.3
36.0m			38.7	37.6	36.8	35.6	34.8	33.6	32.9	31.6	30.8	29.6
38.0m			35.5	34.4	33.5	32.3	31.6	30.4	29.6	28.4	27.5	26.3
40.0m				31.5	30.7	29.5	28.7	27.5	26.7	25.5	24.6	23.4
42.0m				28.9	28.1	26.9	26.1	24.9	24.1	22.9	22.0	20.8
44.0m				26.6	25.8	24.6	23.8	22.6	21.8	20.6	19.7	18.5
46.0m					23.7	22.4	21.7	20.5	19.7	18.4	17.6	16.4
48.0m					21.7	20.5	19.8	18.5	17.8	16.5	15.6	14.4
50.0m						18.8	18.0	16.8	16.0	14.8	13.9	12.7
54.0m						15.7	14.9	13.7	12.9	11.7	10.8	9.6
58.0m							12.3	11.0	10.3	9.1	8.1	6.9
62.0m								8.8	8.0	7.1	5.8	4.6
66.0m									6.0	5.4	3.9	2.6
70.0m									4.3	3.8		
74.0m										2.5		

Working Range HSD



Working radius (m)

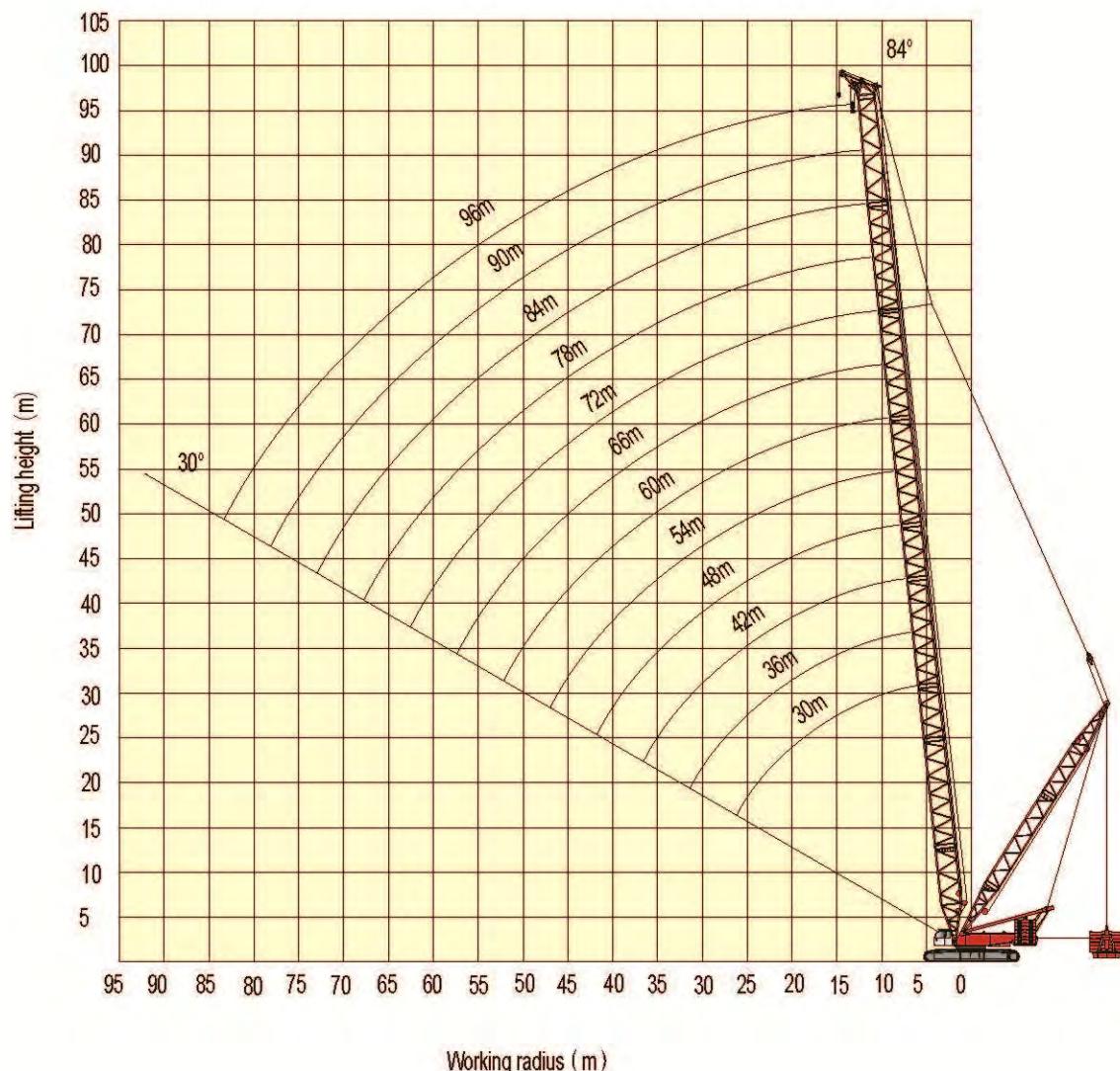
Rated Lifting Capacity Load Chart HSD



Unit:t

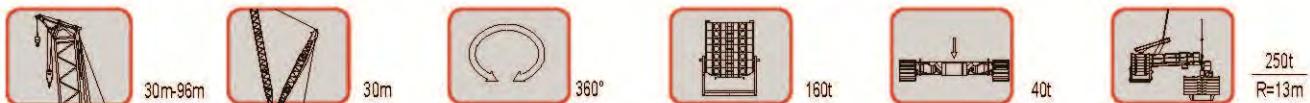
Working radius \ Boom length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m		
7.0m	400.0	400.0	362.4											
8.0m	386.9	380.3	351.7	328.7	300.4									
9.0m	367.6	367.5	343.3	319.5	287.1	265.3								
10.0m	348.9	352.2	325.0	311.3	278.9	257.9	229.0	196.2	171.6	154.1				
12.0m	332.9	328.9	308.5	304.9	272.6	251.6	222.2	195.3	170.8	153.9	132.0	116.0		
14.0m	319.3	310.1	292.4	288.7	264.4	245.3	215.8	190.6	168.6	150.5	128.4	115.0		
16.0m	289.3	290.1	274.1	270.8	250.4	234.0	209.5	184.9	163.9	144.1	125.0	113.0		
18.0m	269.3	263.0	251.0	247.0	239.9	224.0	203.4	178.1	158.6	140.1	121.4	109.7		
20.0m	239.6	243.8	231.0	228.0	226.0	214.0	196.0	172.4	153.6	137.7	118.4	106.0		
22.0m	217.2	227.0	210.0	206.0	210.0	203.0	188.4	166.2	148.3	134.9	115.2	104.1		
24.0m	189.7	208.6	192.0	186.4	192.0	188.0	178.8	159.6	142.6	130.9	113.7	101.0		
26.0m	165.6	188.4	177.3	172.2	175.5	174.3	167.5	152.4	137.8	127.7	110.1	99.8		
28.0m	143.6	171.6	160.5	158.4	158.6	157.4	156.7	145.5	131.9	123.5	106.4	97.6		
30.0m		154.4	146.2	143.1	144.3	143.2	142.4	137.3	125.9	120.3	101.8	95.5		
32.0m			137.3	134.0	132.9	132.1	130.9	130.1	129.0	119.1	115.1	97.3	92.3	
34.0m				123.4	122.3	121.4	120.3	119.5	118.3	113.6	110.1	92.8	88.0	
36.0m					114.0	113.0	112.1	110.9	110.2	109.0	106.2	104.5	88.4	83.4
38.0m					105.0	104.7	103.9	102.7	101.9	100.7	100.0	97.5	84.2	80.6
40.0m						97.4	96.6	95.4	94.6	93.4	92.7	90.7	80.1	76.5
42.0m						90.9	90.0	88.8	88.1	86.8	86.1	84.5	77.1	73.3
44.0m						85.0	84.1	82.9	82.2	80.9	80.2	77.4	73.1	69.8
46.0m							78.8	77.6	76.8	75.6	74.8	72.5	69.6	66.3
48.0m							73.9	72.7	71.9	70.7	70.0	68.4	65.7	63.2
50.0m								68.3	67.5	66.3	65.5	64.2	62.3	60.0
54.0m								60.4	59.7	60.0	58.9	57.8	56.3	54.2
58.0m									54.0	53.8	53.1	52.3	50.0	48.8
62.0m										49.7	48.0	46.4	44.3	42.6
66.0m											43.2	41.9	40.8	38.6
70.0m											39.8	37.5	36.2	33.8
74.0m												34.2	32.5	28.2
78.0m													26.8	24.5

Working Range HSD



Working radius (m)

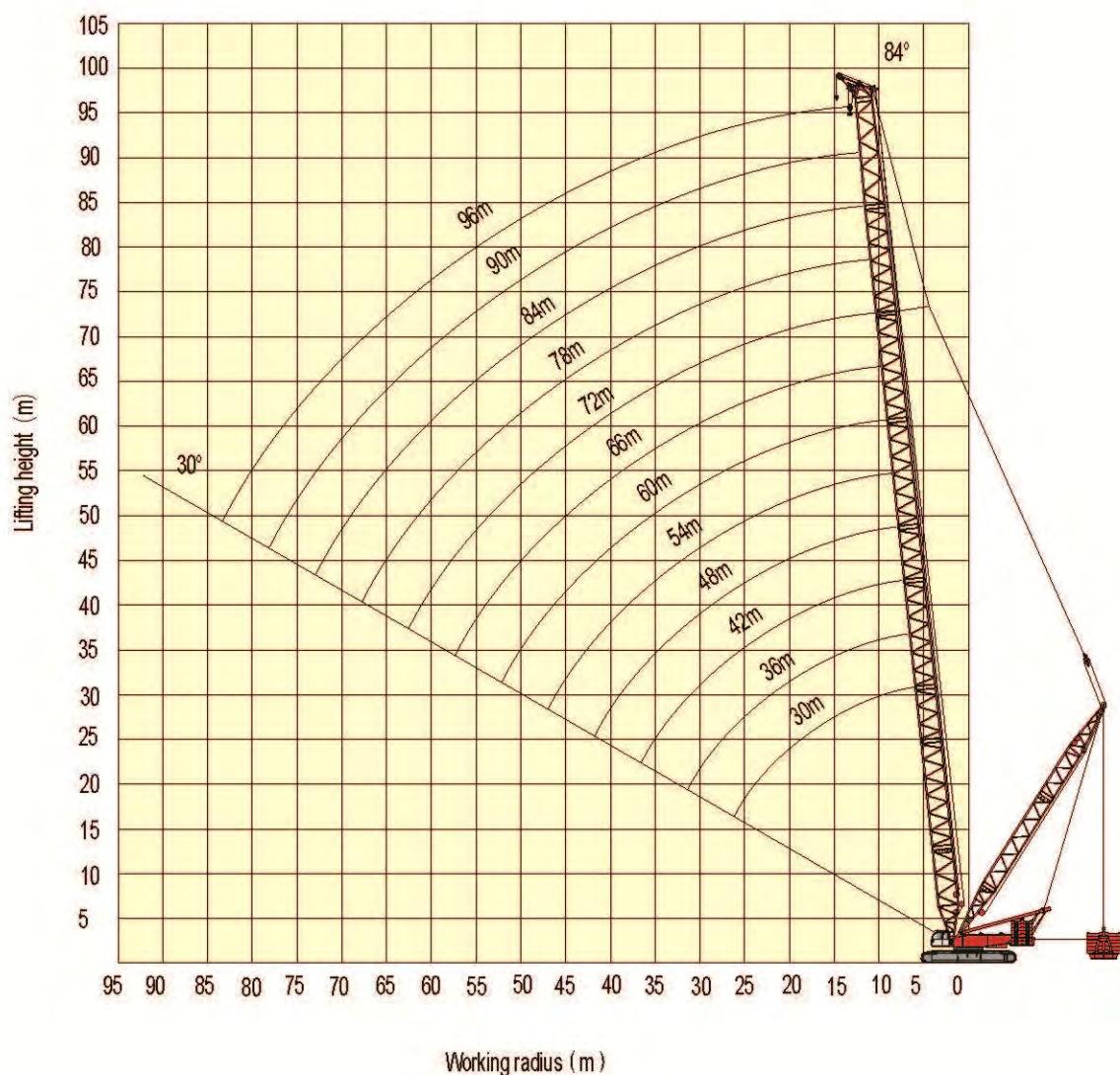
Rated Lifting Capacity Load Chart HSD



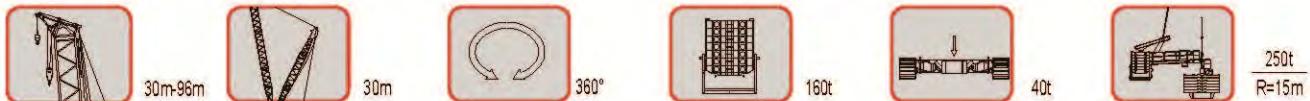
Unit:t

Boom length Working radius	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m		
7.0m	400.0	400.0	389.1											
8.0m	400.0	382.9	365.0	337.0	310.5									
9.0m	377.9	370.2	351.2	332.3	300.8	270.7								
10.0m	360.2	357.2	332.0	320.0	287.5	266.3	233.3	201.7	175.4	157.5				
12.0m	343.3	333.0	317.0	313.3	280.8	259.7	227.4	200.5	173.2	157.5	133.6	116.9		
14.0m	329.0	315.3	302.7	300.0	274.4	253.2	223.6	196.5	171.7	155.0	130.9	115.9		
16.0m	303.5	294.0	288.9	284.9	261.2	240.8	217.0	192.5	169.4	150.9	128.0	113.2		
18.0m	273.8	270.0	258.9	257.9	252.2	230.7	210.5	187.4	166.3	148.2	125.7	110.1		
20.0m	244.4	251.0	236.3	235.3	234.6	214.7	201.9	181.1	161.7	146.1	123.0	108.0		
22.0m	212.1	232.0	220.0	222.0	221.3	200.2	192.9	176.1	156.6	141.6	121.0	106.1		
24.0m	184.7	209.0	203.0	205.4	204.6	191.7	186.7	169.8	151.2	137.8	116.7	103.4		
26.0m	160.7	189.4	184.5	183.5	182.7	178.5	174.8	163.2	146.6	134.8	112.3	101.3		
28.0m	138.7	168.6	170.0	169.0	163.4	164.9	160.5	156.4	139.8	130.7	107.8	99.3		
30.0m		150.0	157.5	159.7	153.1	157.8	152.0	145.8	133.9	121.6	105.3	97.2		
32.0m			132.9	143.7	146.5	142.3	144.5	141.7	135.0	128.1	116.4	103.7	94.9	
34.0m				137.2	138.9	133.6	132.9	130.0	127.0	122.3	111.3	100.2	91.2	
36.0m					127.9	130.8	122.8	128.8	125.1	120.9	116.9	106.3	97.8	89.2
38.0m					111.2	124.5	116.0	119.9	117.1	114.9	111.0	101.4	94.5	86.7
40.0m						113.9	108.2	112.0	109.2	108.0	104.2	97.7	91.3	83.2
42.0m						103.9	100.0	105.8	103.1	101.9	100.1	94.3	89.2	80.0
44.0m						94.1	96.5	99.4	97.7	96.5	95.7	90.5	85.9	75.6
46.0m							90.0	93.6	91.9	90.6	89.9	83.1	80.7	72.0
48.0m							82.9	91.4	85.4	86.4	85.6	78.8	76.0	67.6
50.0m								86.5	81.2	80.0	79.7	74.7	71.5	64.0
54.0m								77.6	74.3	73.1	72.3	68.8	66.3	58.9
58.0m									67.0	64.8	64.8	62.3	60.6	54.3
62.0m										60.6	59.8	56.1	55.4	48.3
66.0m											54.8	51.3	50.4	43.5
70.0m											51.0	46.7	45.8	37.6
74.0m												41.2	40.4	34.1
78.0m												34.9	30.7	

Working Range HSD



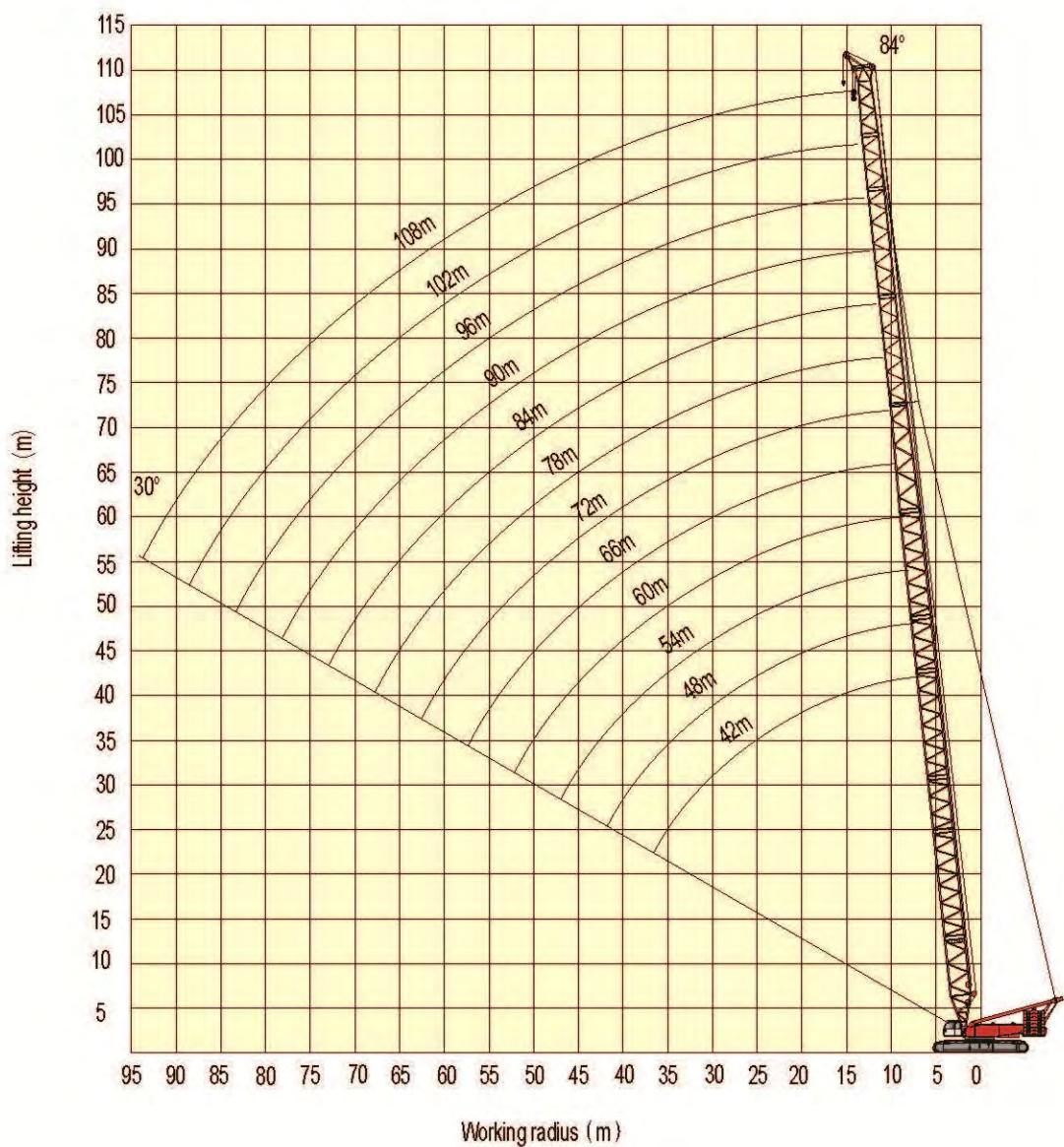
Rated Lifting Capacity Load Chart HSD



Unit:t

Boom length Working radius	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m
7.0m	400.0	400.0	400.0									
8.0m	400.0	382.9	365.0	350.9	327.2							
9.0m	388.2	370.2	355.0	340.9	318.4	286.8						
10.0m	369.5	357.2	340.0	330.9	310.2	283.1	238.9	209.2	179.9	160.1		
12.0m	353.8	341.0	331.0	321.9	296.2	277.2	232.6	208.5	178.9	160.1	134.0	118.5
14.0m	331.9	330.0	310.0	305.2	279.5	268.1	225.9	207.2	177.9	158.1	133.4	118.5
16.0m	310.0	313.0	293.0	288.9	265.0	250.5	221.9	204.2	176.5	157.3	131.7	118.1
18.0m	277.6	283.0	267.3	266.2	254.7	241.0	211.8	197.3	175.5	153.8	130.6	117.2
20.0m	249.1	257.0	248.2	247.4	237.6	226.7	208.1	190.9	173.2	150.9	128.1	116.0
22.0m	215.6	236.0	230.8	224.1	215.8	212.3	196.3	183.4	168.3	150.6	124.3	115.5
24.0m	187.3	208.1	207.1	205.2	202.2	198.9	187.0	174.9	161.1	146.0	120.2	114.8
26.0m	162.4	192.7	191.5	189.5	186.5	180.3	178.2	167.8	155.6	142.2	116.9	113.0
28.0m	139.5	171.1	177.2	174.8	173.8	170.6	166.8	160.0	149.9	136.2	113.0	112.1
30.0m		151.8	163.4	163.7	162.5	158.1	154.6	148.2	143.2	129.1	109.9	110.0
32.0m		134.1	149.5	150.9	147.1	144.4	144.3	139.9	138.3	123.0	107.6	107.9
34.0m			139.3	141.7	140.1	136.2	136.1	131.0	129.5	117.0	104.1	103.9
36.0m			125.4	131.7	130.5	129.2	129.7	125.0	122.7	112.9	101.2	100.8
38.0m			112.1	125.9	123.8	121.2	118.3	117.1	115.1	108.0	97.8	96.7
40.0m				119.8	115.0	114.0	110.8	110.1	106.7	103.5	93.4	93.3
42.0m				111.2	106.9	106.5	106.7	104.4	101.1	97.7	91.9	89.8
44.0m				106.9	101.3	101.6	103.0	97.5	96.7	93.7	89.2	86.0
46.0m					97.1	95.2	96.5	92.1	90.6	86.2	84.0	82.9
48.0m					93.6	92.9	91.0	89.1	87.1	82.2	81.5	79.3
50.0m						88.9	86.9	85.4	82.4	77.7	77.4	76.3
54.0m						79.5	79.7	78.0	75.2	71.7	70.4	69.3
58.0m							71.6	71.4	68.2	65.8	64.8	62.6
62.0m								65.4	63.6	60.9	60.7	57.0
66.0m									58.2	56.8	54.4	53.3
70.0m									53.8	52.8	49.4	49.2
74.0m										48.3	46.0	44.8
78.0m										43.9	41.2	

Working Range H/L



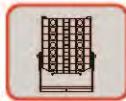
Rated Lifting Capacity Load Chart H/L



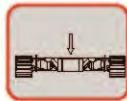
42m-108m



360°



16t

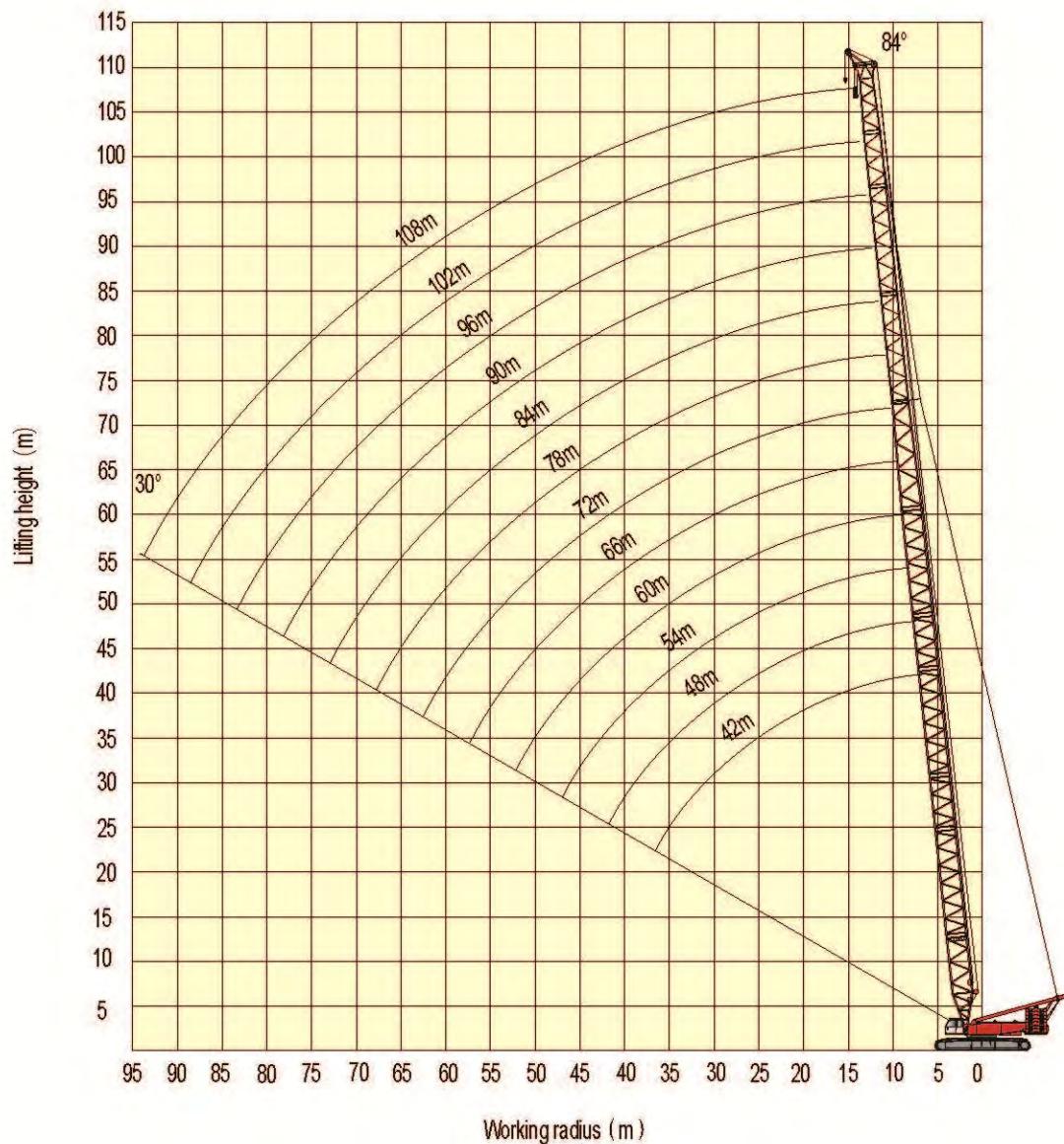


40t

Unit:t

Working radius	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m	102.0m	108.0m
Boom length												
7.0m	7.3m/180	7.9m/180										
8.0m	180.0	180.0	8.5m/180									
9.0m	180.0	180.0	180.0	9.2m/170.6	9.8m/151.7							
10.0m	180.0	176.0	170.0	160.9	150.9	10.4m/135.1	11.0m/119.9	11.7m/106.3				
12.0m	160.0	152.0	145.0	140.5	133.6	125.0	117.2	105.6	12.3m/93.9	12.9m/81.6	13.6m/70.3	
14.0m	132.2	128.6	121.1	114.5	109.0	104.2	100.1	96.0	90.5	79.7	69.6	14.2m/58.5
16.0m	118.1	113.5	108.7	103.7	99.7	96.3	93.4	89.9	85.9	76.5	66.8	56.4
18.0m	105.5	104.9	102.9	98.4	95.8	93.8	88.2	85.1	80.5	73.4	64.2	54.2
20.0m	93.8	93.2	92.5	90.7	88.5	86.7	84.4	82.7	75.3	70.6	61.8	52.1
22.0m	82.4	81.7	81.1	80.1	78.6	77.0	74.9	73.4	71.8	68.0	59.5	50.2
24.0m	73.3	72.6	71.9	70.9	70.0	69.1	67.1	65.7	64.4	61.9	57.4	48.5
26.0m	65.8	65.1	64.4	63.4	62.5	62.1	60.5	59.3	58.1	55.8	54.5	46.8
28.0m	59.6	58.8	58.1	57.1	56.2	55.8	54.7	53.9	52.8	50.5	49.4	45.1
30.0m	54.3	53.5	52.8	51.8	50.9	50.5	49.4	49.1	48.2	46.0	44.9	43.6
34.0m	45.9	45.1	44.4	43.3	42.4	41.9	40.8	40.5	40.2	38.6	37.7	36.9
38.0m	39.4	38.6	37.9	36.8	35.8	35.4	34.3	34.0	33.7	32.1	31.8	31.3
42.0m	38.8m/38.3	33.5	32.8	31.7	30.7	30.3	29.2	28.8	28.5	26.9	26.6	26.5
46.0m		44.0m/31.3	28.6	27.5	26.5	26.1	25.0	24.7	24.3	22.7	22.4	22.3
50.0m			49.2m/25.8	24.1	23.1	22.7	21.5	21.2	20.9	19.2	18.9	18.8
54.0m				21.2	20.2	19.8	18.6	18.3	18.0	16.3	16.0	15.9
58.0m					54.4m/21.0	17.7	17.3	16.1	15.8	15.5	13.8	13.5
62.0m						59.6m/16.9	15.2	14.0	13.7	13.3	11.7	11.0
66.0m							64.8m/13.9	12.1	11.8	11.5	9.0	
70.0m								70.0m/10.5	10.2	9.0	7.4	

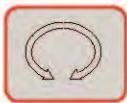
Working Range HR/L



Rated Lifting Capacity Load Chart HR/L



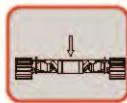
42m-108m



360°



160t

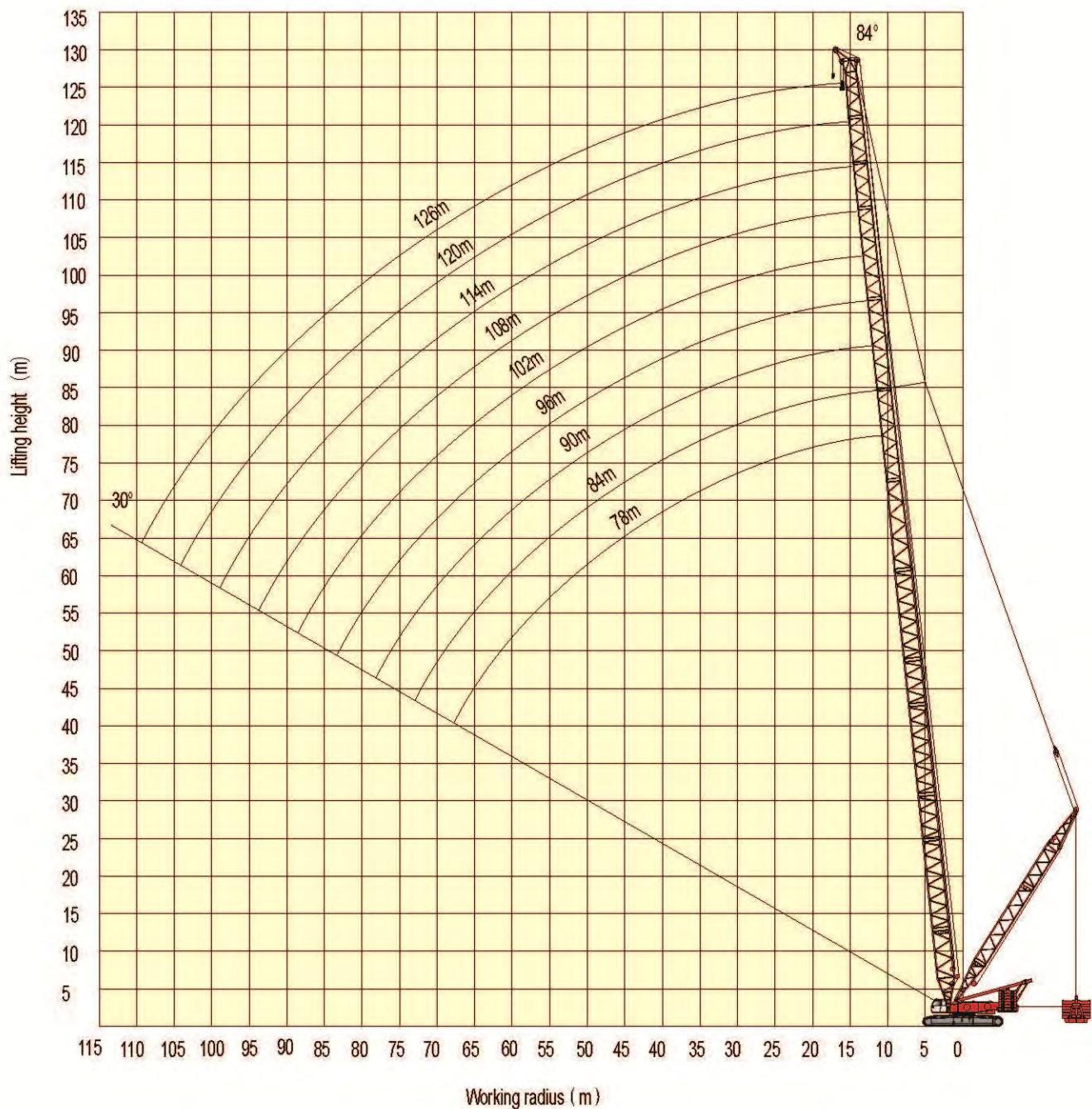


40t

Unit:t

Working radius \ Boom length	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m	102.0m	108.0m
8.0m	30.0	30.0										
9.0m	30.0	30.0	30.0									
10.0m	30.0	30.0	30.0	30.0	30.0							
12.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0				
14.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
16.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
18.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
20.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
22.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
24.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
26.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
28.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
30.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
34.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
38.0m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
42.0m		30.0	30.0	30.0	29.0	28.5	28.0	27.5	27.0	25.5	25.0	24.0
46.0m			27.6	26.0	25.0	24.5	24.0	23.0	22.0	21.5	21.0	20.0
50.0m				23.0	22.0	21.0	20.0	19.5	19.0	18.0	17.5	17.0
54.0m				20.0	19.0	18.0	17.5	17.3	17.0	15.3	15.0	14.0
58.0m					16.0	16.0	15.0	14.8	14.0	12.8	12.5	12.0
62.0m						14.2	13.0	12.7	12.3	10.7		10.0
66.0m							11.1	10.8	10.5	8.0		
70.0m								9.2	8.0	6.4		

Working Range HSD/L



Rated Lifting Capacity Load Chart HSD/L

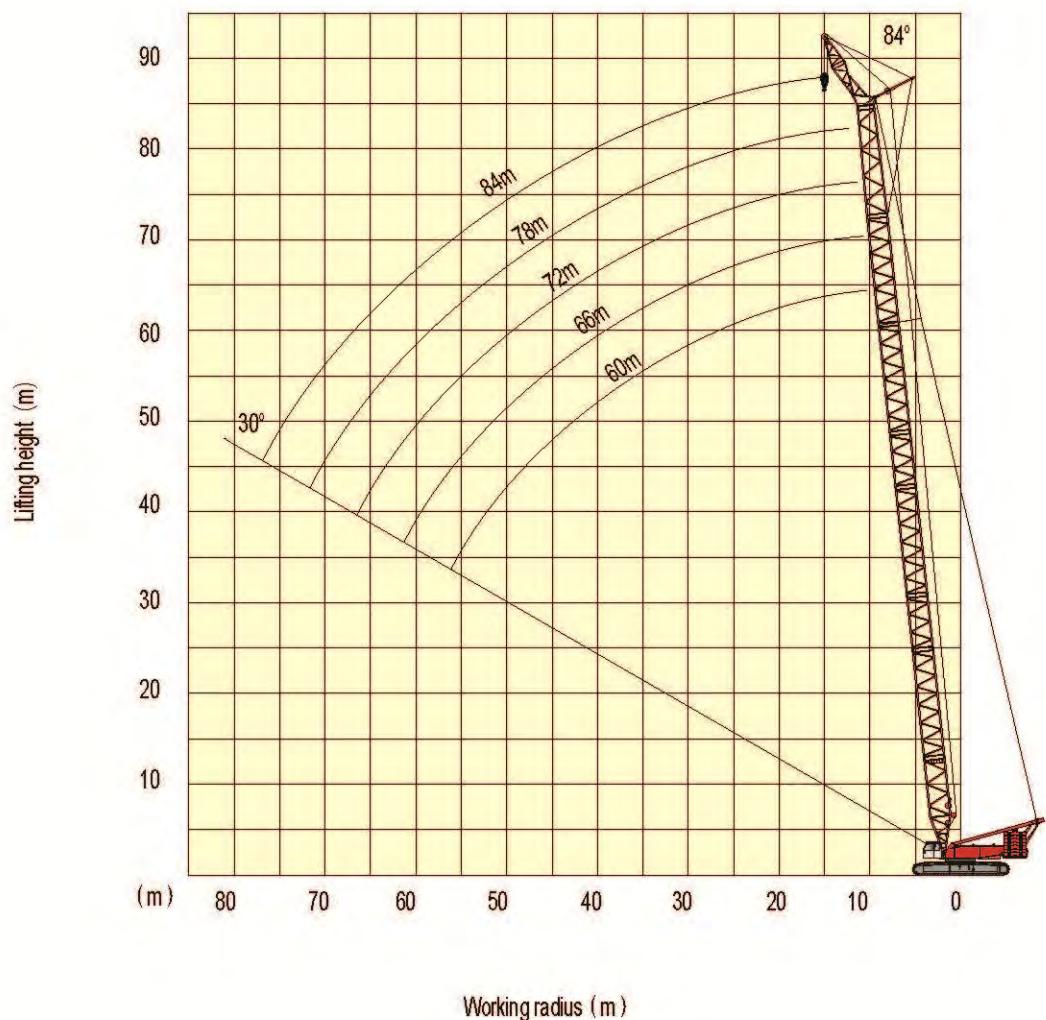


Unit:t

Working radius \ Boom length	78.0m	84.0m	90.0m	96.0m	102.0m	108.0m	114.0m	120.0m	126.0m
12.0m	139.0	126.0							
14.0m	137.0	125.0	109.0	95.0	82.0				
16.0m	134.0	121.0	105.0	94.0	80.0	76.0	56.0	45.2	
18.0m	132.0	116.0	102.0	93.0	79.0	76.0	55.0	45.2	33.8
20.0m	128.0	113.0	100.0	92.0	78.0	74.0	54.0	45.2	33.8
22.0m	125.0	109.0	97.0	90.0	76.0	72.0	53.0	45.2	33.8
24.0m	121.0	104.0	95.0	87.0	74.0	70.0	52.0	45.2	33.8
26.0m	117.0	99.0	90.0	84.0	71.0	68.0	51.0	45.2	33.8
28.0m	112.0	95.0	87.0	81.0	70.0	66.0	50.0	44.2	33.1
30.0m	108.0	90.0	84.0	78.0	67.0	63.0	49.0	43.3	32.2
34.0m	98.0	82.0	77.0	74.0	62.0	61.0	48.0	42.5	31.5
38.0m	88.0	74.0	72.0	69.0	59.0	58.0	47.0	41.5	30.9
42.0m	78.0	70.0	68.0	66.0	54.0	53.0	46.0	40.3	30.0
46.0m	71.0	66.0	65.0	61.0	52.0	50.0	45.0	39.2	29.5
50.0m	64.0	61.0	60.0	58.0	49.0	47.0	42.0	38.1	28.5
54.0m	58.0	59.0	58.0	55.0	46.0	44.0	39.0	36.4	27.4
58.0m	53.0	56.0	56.0	52.0	43.0	41.0	37.0	34.7	26.3
62.0m	47.0	52.0	54.0	50.0	40.0	39.0	35.0	32.3	25.3
66.0m	43.0	48.0	53.0	48.0	39.0	37.0	33.0	31.2	24.8
70.0m	38.0	44.0	51.0	46.0	36.0	36.0	32.0	29.1	24.0
74.0m		41.0	48.0	44.0	35.0	35.0	31.0	27.8	22.8
78.0m		36.0	45.0	42.0	33.0	33.0	30.0	25.6	21.4
82.0m			42.0	40.0	31.0	32.0	29.0	23.1	20.5
86.0m					29.0	30.0	28.0	21.6	19.6
90.0m					27.0	29.0	26.0	20.1	18.7
94.0m							25.0	19.0	

Note: the load chart of this working condition is depending on the strength.

Working Range HF



Rated Lifting Capacity Load Chart HF



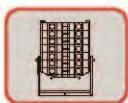
60m-84m



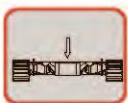
20°
7m



360°



160t

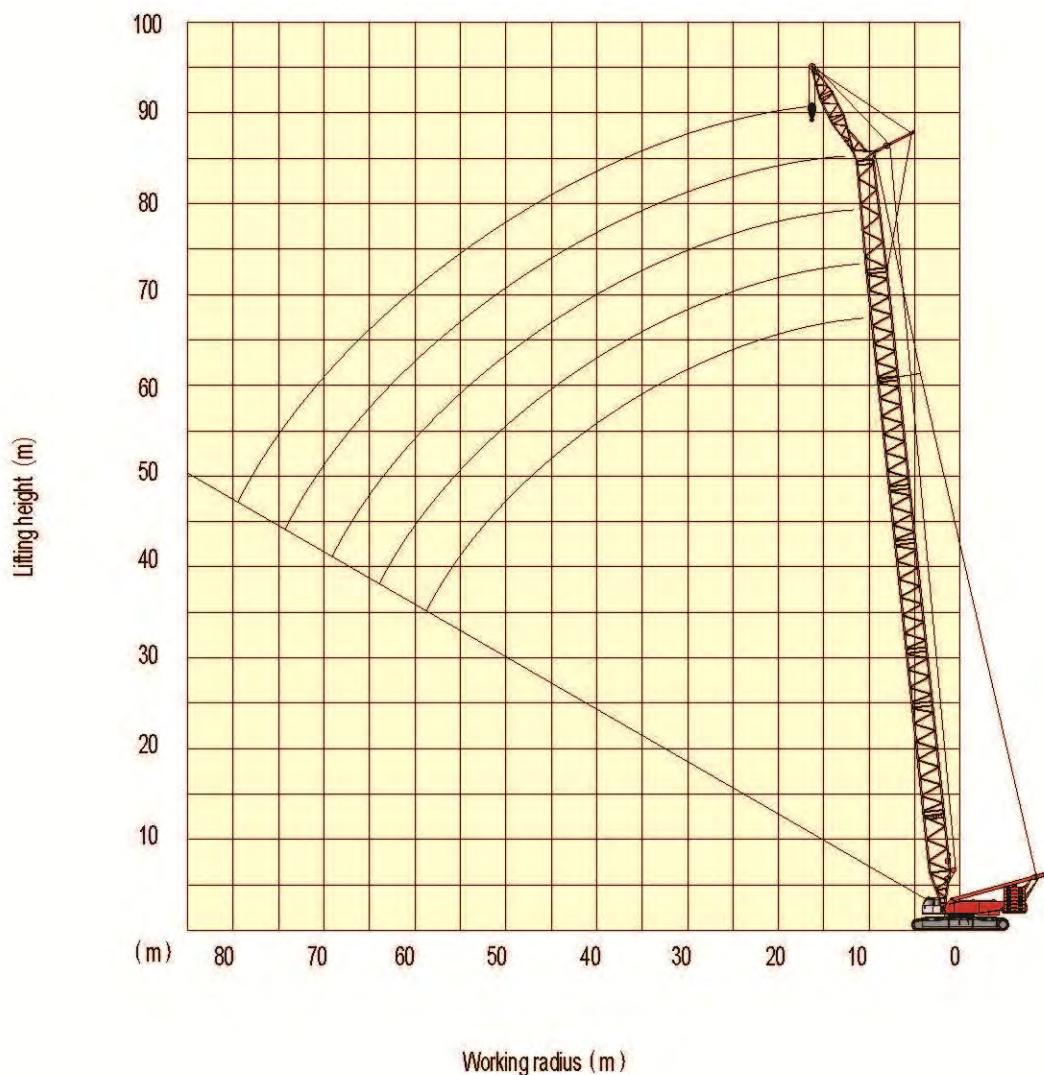


40t

Unit:t

Jib length Boom length	7.0m				
	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m	91.5	91.5	91.5		
15.0m					
16.0m	91.5	91.5	91.5	91.5	90.5
18.0m	91.5	91.5	91.5	91.5	90.5
20.0m	87.3	86.3	85.3	84.8	83.4
22.0m	81.4	80.5	79.5	78.5	77.2
24.0m	72.7	71.8	70.8	69.8	68.6
26.0m	67.8	67.0	66.0	65.0	63.9
28.0m	61.6	60.7	59.8	58.8	57.7
30.0m	56.3	55.4	54.5	53.6	52.5
32.0m	51.0	50.2	49.3	48.4	47.3
34.0m	46.5	45.7	44.8	43.9	42.8
36.0m	42.5	41.7	40.8	40.0	38.9
38.0m	38.9	38.2	37.3	36.5	35.5
40.0m	35.8	35.1	34.2	33.4	32.4
42.0m	33.0	32.3	31.4	30.6	29.6
44.0m	30.4	29.8	28.9	28.1	27.1
46.0m	28.1	27.5	26.6	25.8	24.9
48.0m	26.0	25.4	24.6	23.8	22.8
50.0m	24.1	23.5	22.7	21.9	21.0
52.0m					
54.0m	20.7	20.1	19.3	18.6	17.7
56.0m					
58.0m	17.8	17.2	16.4	15.7	14.9
60.0m					
62.0m		14.7	13.9	13.2	12.4
64.0m					
66.0m			11.7	11.1	10.3
68.0m				9.2	8.4
70.0m					
72.0m				7.5	6.7
74.0m					5.1
78.0m					4.4
80.0m					

Working Range HF



Rated Lifting Capacity Load Chart HF



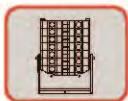
60m-84m



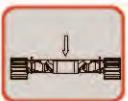
20°
10m



360°



160t

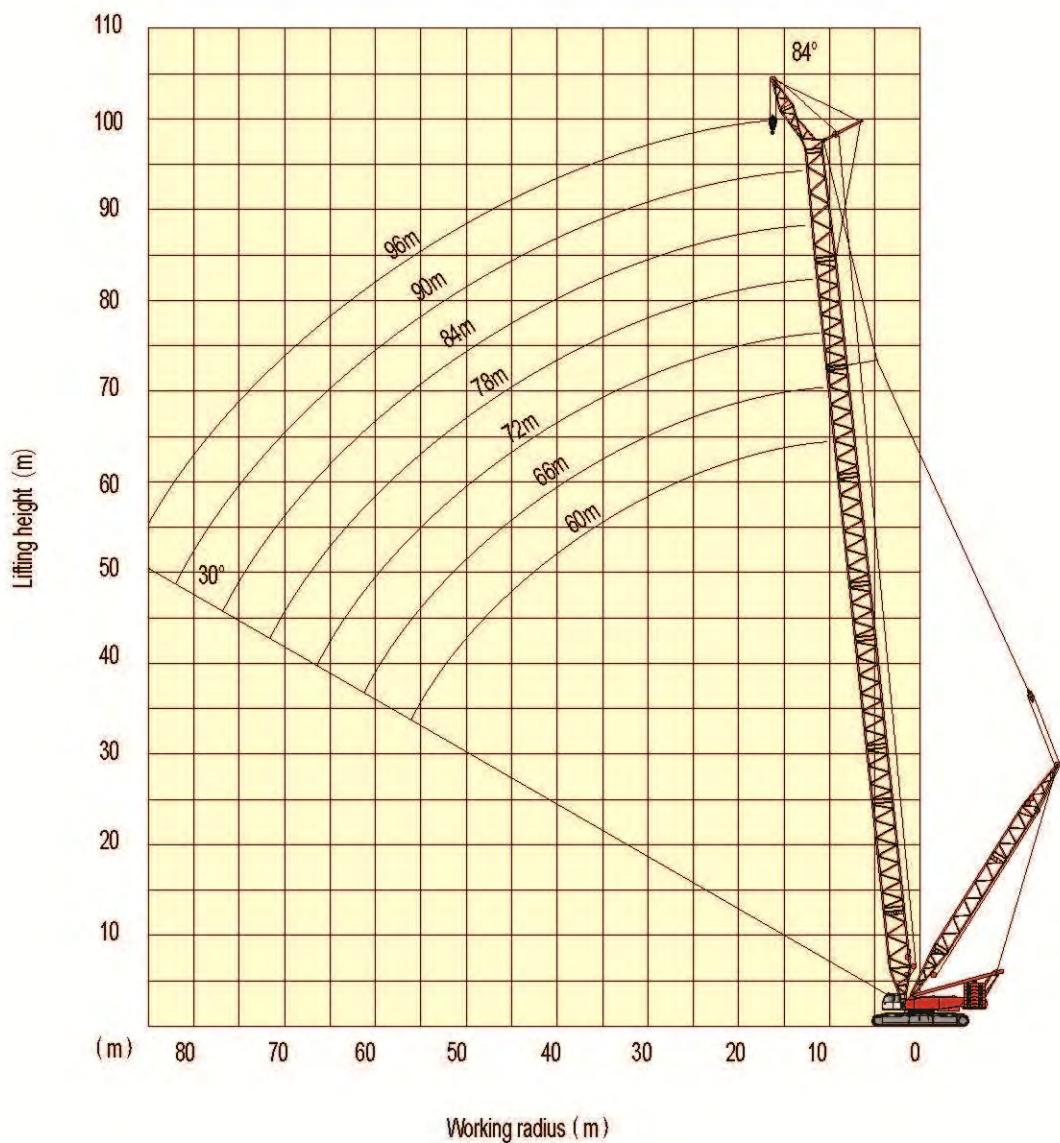


40t

Unit:t

Jib length Boom length	10.0m				
	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m	90.0	90.0	90.0		
15.0m	90.0	90.0	90.0	89.8	89.0
16.0m	90.0	89.7	88.9	88.2	87.4
18.0m	86.4	85.7	85.0	84.3	83.6
20.0m	82.9	82.2	81.5	80.8	80.1
22.0m	77.2	76.3	75.4	74.5	73.6
24.0m	68.5	68.5	67.4	66.3	64.9
26.0m	62.5	61.5	60.1	59.1	57.6
28.0m	56.2	55.3	53.9	53.0	51.6
30.0m	50.9	50.0	48.7	47.8	46.4
32.0m	46.3	45.5	44.2	43.3	41.9
34.0m	42.4	41.5	40.2	39.4	38.0
36.0m	38.9	38.1	36.8	35.9	34.6
38.0m	35.8	35.0	33.7	32.9	31.6
40.0m	33.0	32.2	31.0	30.2	28.9
42.0m					
44.0m	28.3	27.6	26.3	25.5	24.3
46.0m					
48.0m	24.4	23.7	22.5	21.7	20.5
50.0m					
52.0m	21.1	20.5	19.3	18.5	17.3
54.0m					
56.0m	18.3	17.8	16.5	15.8	14.6
58.0m					
60.0m	15.9	15.4	14.1	13.4	12.0
62.0m					
64.0m	13.7	13.2	11.8	11.1	9.7
66.0m		11.1	9.7	9.0	7.7
68.0m					
70.0m					
72.0m			7.9	7.2	
74.0m					
78.0m					
80.0m					

Working Range HFS



Rated Lifting Capacity Load Chart HFS

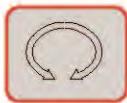


60m-96m

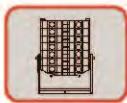


20°

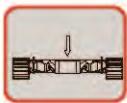
7m



360°



160t

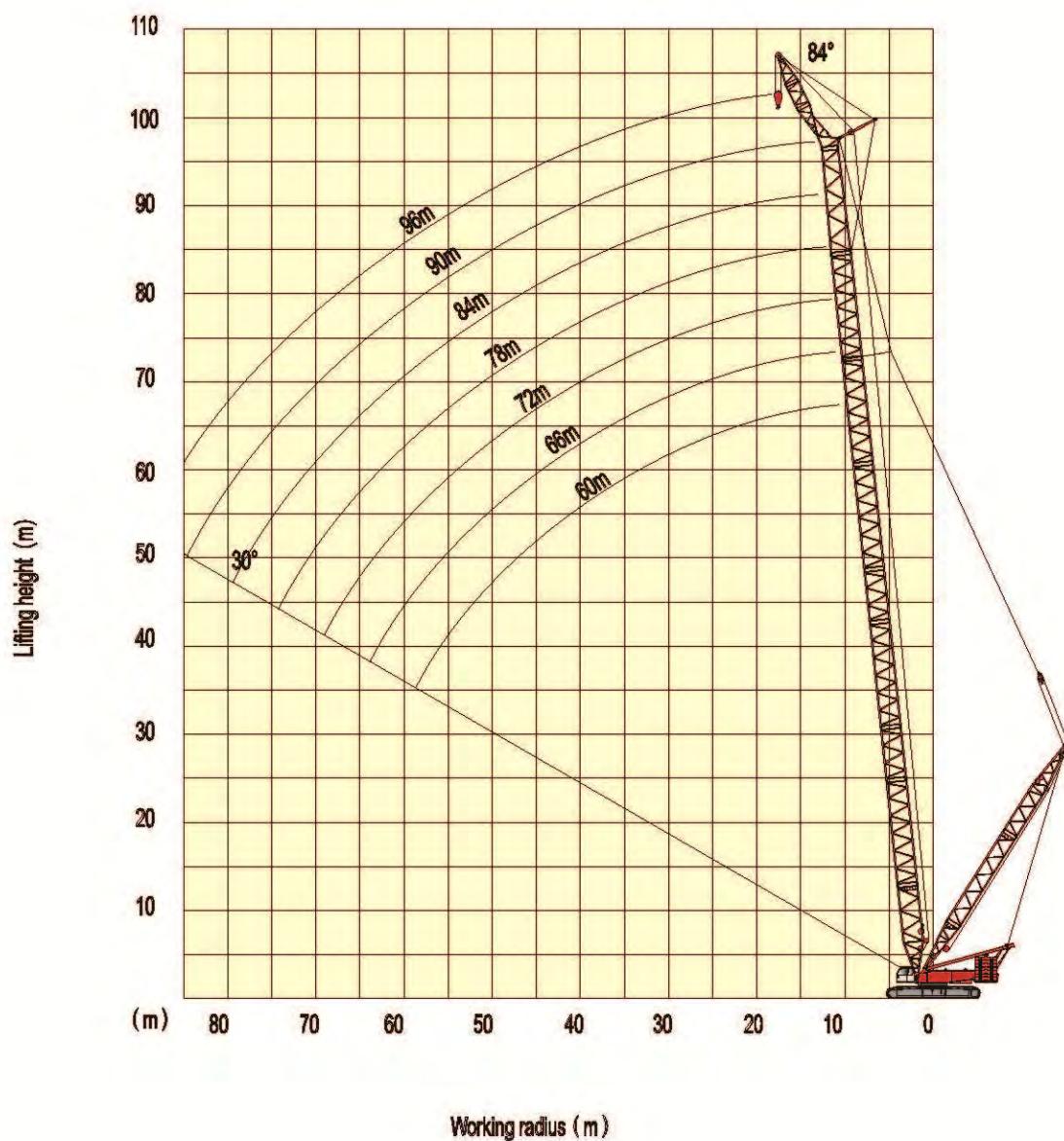


40t

Unit:t

Jib length	7.0m						
	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m
12.0m	115.0	111.6					
13.0m	115.0	111.6	108.3	105.0			
14.0m	115.0	111.6	108.3	105.0	102.0		
15.0m	115.0	111.6	108.3	105.0	102.0	98.0	95.0
16.0m	115.0	111.6	108.3	105.0	102.0	98.0	95.0
18.0m	108.2	107.5	106.1	105.0	102.0	98.0	95.0
20.0m	95.1	94.3	93.0	92.2	90.8	89.7	87.9
22.0m	84.4	83.6	82.2	81.2	79.6	78.3	76.6
24.0m	75.5	74.5	73.0	71.8	70.3	69.1	67.5
26.0m	67.6	66.6	65.1	64.1	62.6	61.4	59.9
28.0m	60.9	60.0	58.6	57.6	56.1	55.0	53.6
30.0m	55.3	54.4	53.0	52.0	50.6	49.6	48.1
32.0m	50.4	49.5	48.2	47.3	45.9	44.8	43.4
34.0m	46.2	45.3	44.0	43.1	41.7	40.7	39.4
36.0m	42.4	41.6	40.3	39.4	38.1	37.1	35.8
38.0m	39.1	38.3	37.0	36.2	34.9	33.9	32.6
40.0m	36.2	35.4	34.1	33.3	32.0	31.1	29.7
44.0m	31.1	30.4	29.1	28.4	27.1	26.2	24.9
48.0m	26.9	26.3	25.1	24.3	22.9	22.1	20.7
52.0m	23.3	22.8	21.4	20.7	19.3	18.4	17.0
56.0m	20.3	19.6	18.2	17.5	16.1	15.3	13.9
60.0m	17.5	16.9	15.5	14.8	13.4	12.5	11.1
64.0m		14.5	13.1	12.4	11.0	10.1	8.7
68.0m			10.9	10.3	8.8	8.0	6.6
72.0m				8.4	6.9	6.1	4.7
76.0m					6.6	5.3	4.5

Working Range HFS



Rated Lifting Capacity Load Chart HFS



60m-96m

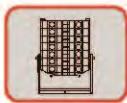


20°

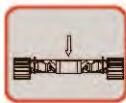
10m



360°



160t

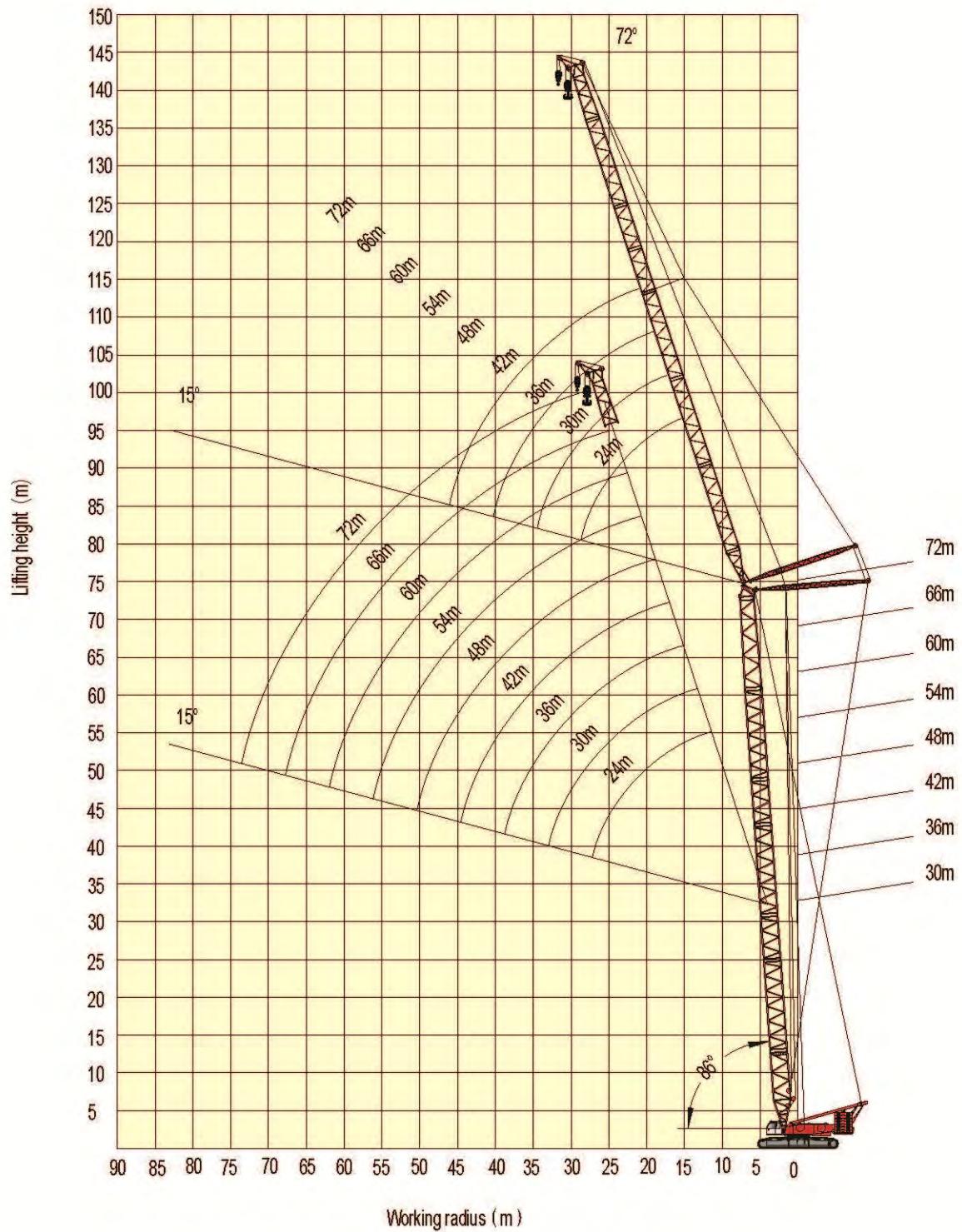


40t

Unit:t

Jib length Boom length	10.0m						
	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m
12.0m							
13.0m	110.0						
14.0m	106.8	108.0	106.0				
15.0m	103.5	104.6	106.0	105.0	102.0		
16.0m	100.3	101.3	102.4	101.4	102.0	95.9	85.0
18.0m	93.8	94.5	95.2	94.1	94.2	89.4	85.0
20.0m	87.3	87.8	87.9	86.9	86.5	82.8	79.4
22.0m	80.8	81.0	80.7	79.6	78.7	76.3	73.8
24.0m	74.3	74.3	73.5	72.4	70.9	69.7	68.2
26.0m	68.1	67.1	65.7	64.6	63.2	62.0	60.5
28.0m	61.4	60.4	59.1	58.1	56.6	55.6	54.1
30.0m	55.7	54.8	53.4	52.5	51.1	50.0	48.6
32.0m	50.8	49.9	48.6	47.7	46.3	45.3	43.9
34.0m	46.5	45.7	44.4	43.5	42.1	41.2	39.8
36.0m	42.8	42.0	40.7	39.8	38.5	37.5	36.2
38.0m	39.5	38.7	37.4	36.5	35.2	34.3	33.0
40.0m	36.5	35.7	34.4	33.6	32.3	31.4	30.1
44.0m	31.5	30.7	29.4	28.7	27.4	26.5	25.2
48.0m	27.2	26.6	25.3	24.6	23.3	22.4	21.2
52.0m	23.7	23.1	21.8	21.1	19.7	18.8	17.5
56.0m	20.7	20.0	18.6	17.9	16.5	15.7	14.3
60.0m	17.9	17.2	15.8	15.1	13.7	12.9	11.5
64.0m	15.4	14.8	13.4	12.7	11.3	10.5	9.1
68.0m		12.6	11.2	10.5	9.1	8.3	7.0
72.0m			9.3	8.6	7.2	6.4	5.0
76.0m				6.9	5.5	4.7	

Working Range HT



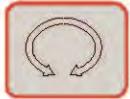
Rated Lifting Capacity Load Chart HT



86° 76° 66°
30m-72m



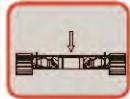
24m-72m



360°



160t



40t

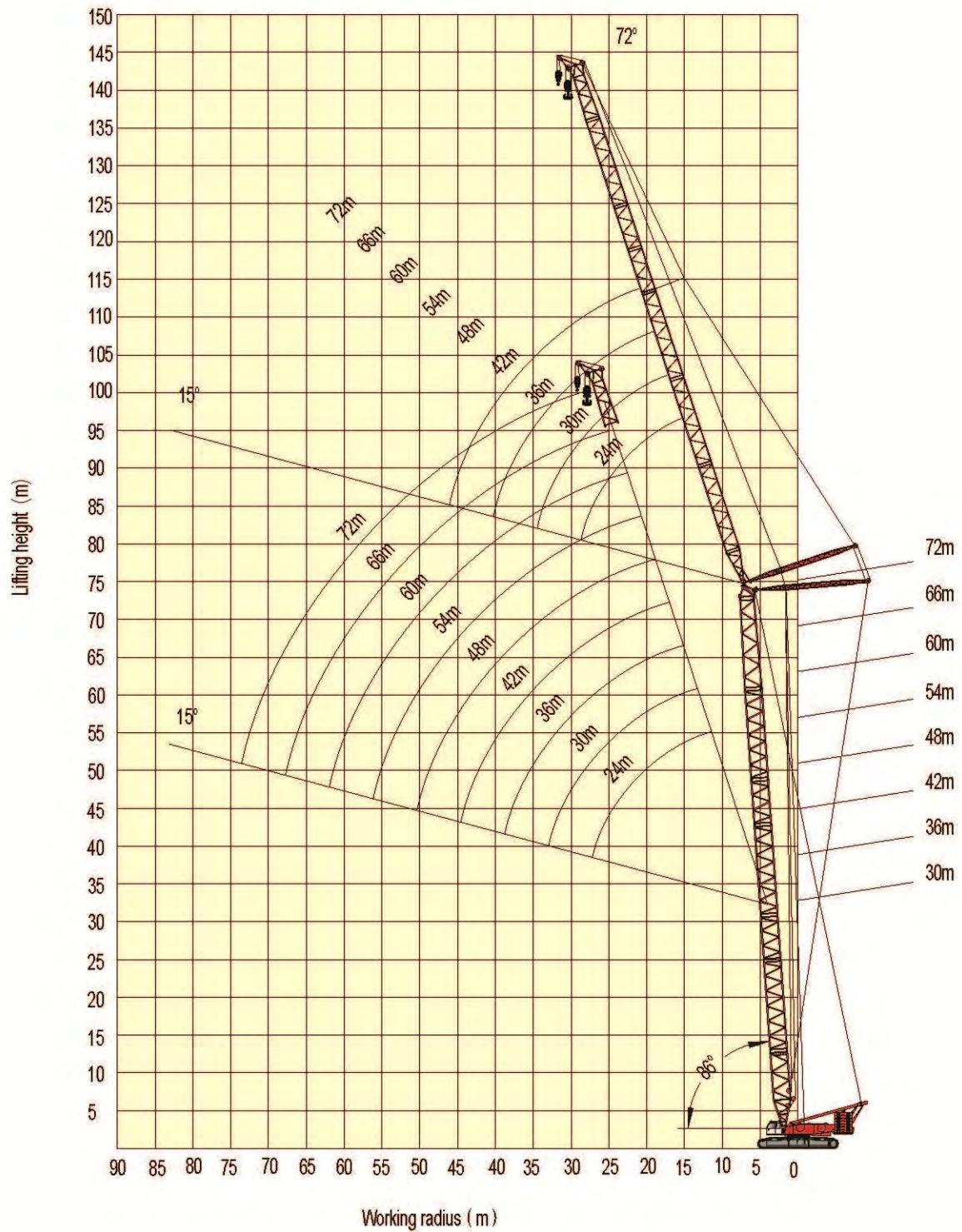
Unit:t

Boom length	30.0m																	
	Jib length			24.0m			36.0m			48.0m			60.0m			72.0m		
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	139.8																	
16.0m	119.8																	
18.0m	104.8			100														
20.0m	92.6			88.8														
22.0m	81.9			79.8			76.4											
24.0m	73.2	68.1		72.1			69.4											
26.0m	66.1	61.5		65			63.4			60.5								
28.0m		55.9		59.1			58.1			55.6								
30.0m		51.2		54.1	49.9		53.1			51.4			44.8					
34.0m			40.4	46	42.4		45			43.8			39.2					
38.0m					36.7		38.9	35.5		37.6			34.3					
42.0m						29.4	34	31		32.8	29.6		30.1					
46.0m							25.9	30	27.3		28.8	26		26.4	24.8			
50.0m								24.3	21.9		25.6	23		23.2	21.8			
54.0m									19.5		22.8	20.4	18.1	20.4	19.3			
58.0m											18.3	16.1		17.9	17.1			
62.0m											16.4	14.4		15.7	15.3	13.2		
66.0m											12.9			13.7	13.6	11.7		
70.0m														12.2	10.4			
74.0m																9.2		

Unit:t

Boom length	36.0m																	
	Jib length			24.0m			36.0m			48.0m			60.0m			72.0m		
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°	
16.0m	116.7																	
18.0m	102.2																	
20.0m	90.8			86.7														
22.0m	81.3			78			74.6											
24.0m	72.7			70.8			67.7											
26.0m	65.6	59.8		64.5			62			59								
28.0m		54.4		58.7			57.1			54.3								
30.0m		49.8		53.7			52.6			50.2			45.6					
34.0m			38.4	45.7	41.1		44.7			43.4			39.9					
38.0m			33.2		35.5		38.5	34.3		37.3			34.9					
42.0m					31.1	27.7	33.7	29.9		32.5	28.5		30.6					
46.0m						24.4	29.8	26.4		28.5	25		26.9					
50.0m								23.4	20.4	25.3	22.1		23.6	20.9				
54.0m									18.2	22.6	19.6		20.8	18.4				
58.0m									16.3		17.5	14.8		18.2	16.3			
62.0m											15.7	13.2		16	14.5			
66.0m												11.8		13.9	12.9	10.6		
70.0m												10.5		11.6	9.3			
74.0m														10.3	8.2			
78.0m															7.2			

Working Range HT



Rated Lifting Capacity Load Chart HT



86° 76° 66°

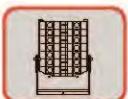
30m-72m



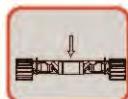
24m-72m



360°



160t



40t

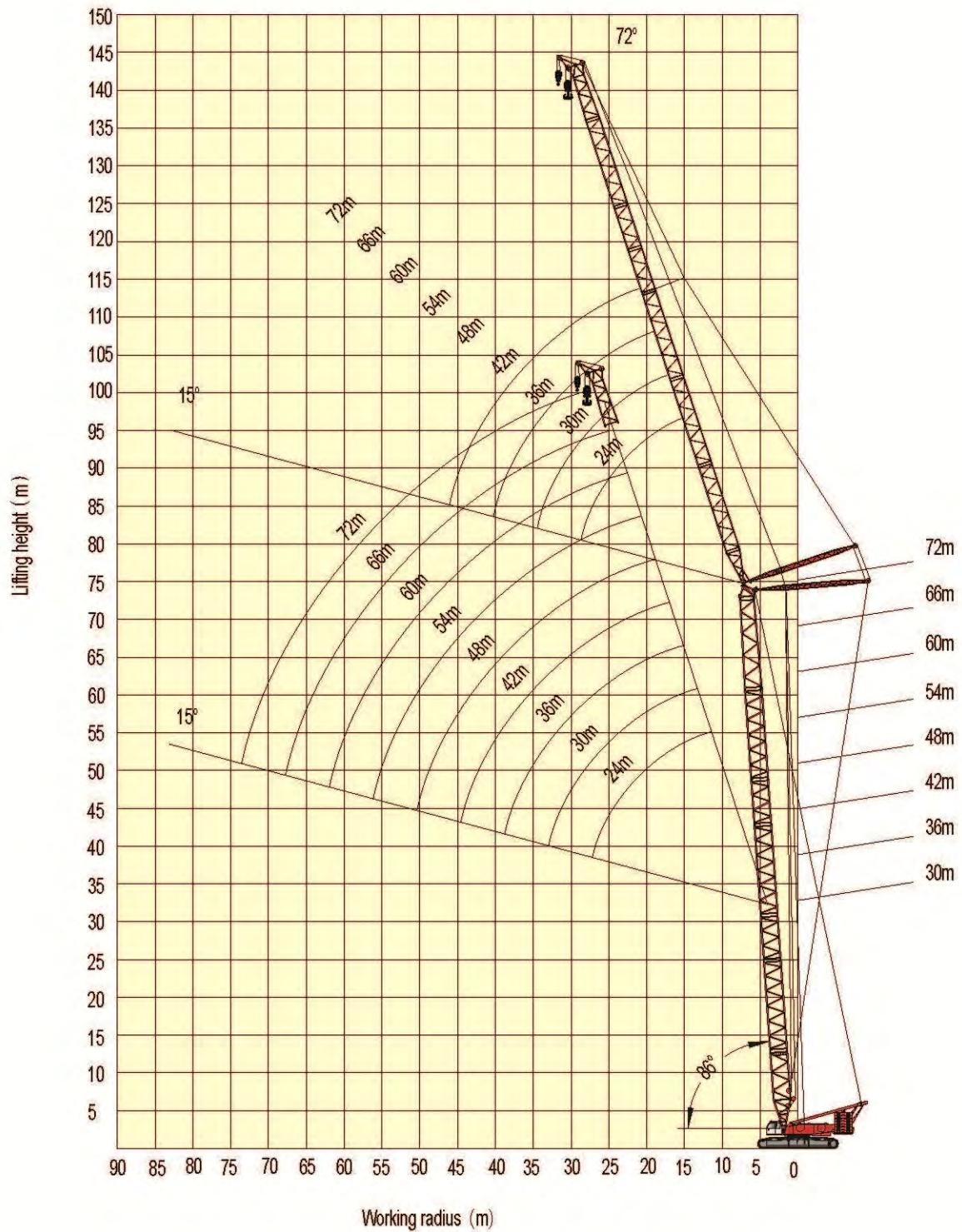
Unit:t

Boom length	42.0m												72.0m		
	24.0m			36.0m			48.0m			60.0m			86.0°		
Jib length	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°
16.0m	113.5														
18.0m	99.5														
20.0m	88.6			84.5											
22.0m	79.8			76.1											
24.0m	72.1			69.1			66								
26.0m	65.1	57.8		63.3			60.5								
28.0m	52.6			58.1			55.7			53					
30.0m	48.2			53.2			51.6			49					
34.0m		41		45.3	39.6		44.2			42.5			40.3		
38.0m			31.1		34.2		38.2	33		36.9			35.4		
42.0m					29.9		33.4	28.7		32.1			31		
46.0m						22.6	29.5	25.3		28.2	23.8		27.2		
50.0m						20		22.4		25	21		24	19.8	
54.0m								20	16.6	22.3	18.6		21.1	17.4	
58.0m									14.8	20	16.6		18.5	15.4	
62.0m									13.3		14.8	11.8	16.2	13.7	
66.0m												10.5	14.2	12.1	
70.0m												9.3		10.8	8
74.0m														9.6	7
78.0m															6.1
82.0m															5.3

Unit:t

Boom length	48.0m												72.0m		
	24.0m			36.0m			48.0m			60.0m			86.0°		
Jib length	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°
16.0m	110.2														
18.0m	96.9														
20.0m	86.3			82.2											
22.0m	77.9			74.1											
24.0m	70.9			67.4			64.3								
26.0m	64.5			61.8			58.9								
28.0m		50.7		57			54.3			51.5					
30.0m		46.4		52.7			50.3			47.7					
34.0m		39.5		44.8	38		43.8			41.4			39.2		
38.0m				38.8	32.8		37.8			36.4			34.4		
42.0m		25.2		28.7			33	27.4		31.7			30.5		
46.0m				25.3			29.1	24.1		27.9	22.6		26.8		
50.0m					18.3		21.3			24.7	19.9		23.6		
54.0m					16.3		19	14.9		22	17.6		20.9	16.4	
58.0m							13.3			19.7	15.7		18.7	14.4	
62.0m							11.8			14	10.3		16.5	12.8	
66.0m										12.5	9.1		14.4	11.3	
70.0m										8			10	6.7	
74.0m											7		8.9	5.7	
78.0m													4.9		
82.0m														4.1	

Working Range HT



Rated Lifting Capacity Load Chart HT

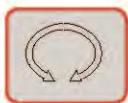


86° 76° 66°

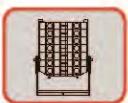
30m-72m



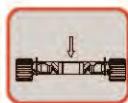
24m-72m



360°



160t



40t

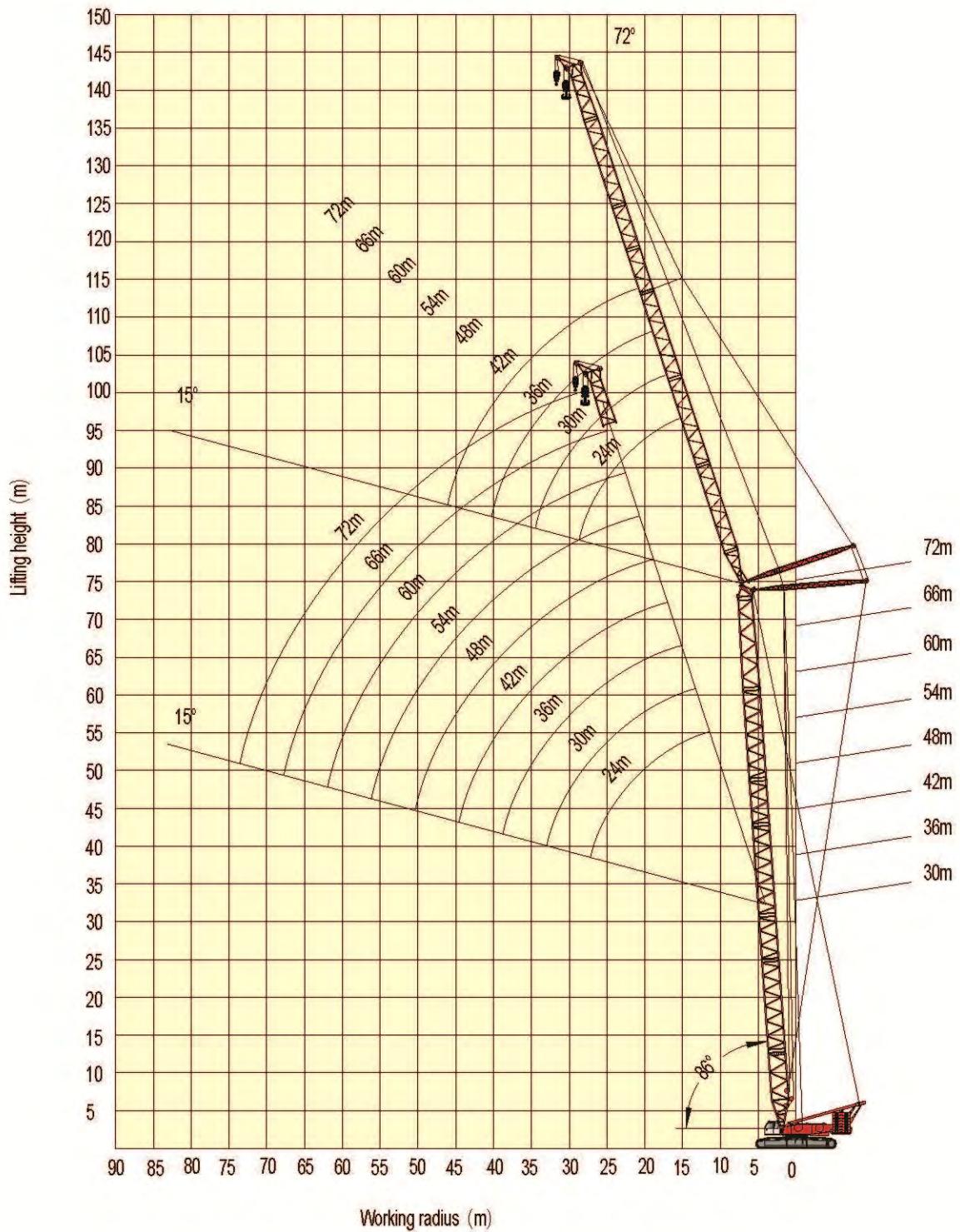
Unit:t

Boom length	54.0m												72.0m		
	24.0m			36.0m			48.0m			60.0m			72.0m		
Jib length	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°
16.0m	107														
18.0m	94.2														
20.0m	84			79.9											
22.0m	75.8			72.1											
24.0m	69.1			65.6			62.5								
26.0m	63.5			60.2			57.3								
28.0m	58.2			55.6			52.9			50.1					
30.0m		44.6		51.5			49			46.4					
34.0m		38		44.4			42.6			40.2			38		
38.0m				38.4	31.4		37.3			35.4			33.4		
42.0m			23.1		27.4		32.6	26.1		31.3			29.6		
46.0m			20.4		24.2		28.8	22.9		27.5			26.4		
50.0m					16.5		20.2			24.4	18.8		23.3		
54.0m						14.7		18		21.7	16.6		20.6	15.3	
58.0m								16.1	11.7	19.4	14.7		18.4	13.4	
62.0m									10.4		13.1		16.4	11.8	
66.0m										9.2		11.6	7.7	14.7	10.4
70.0m												6.7		9.2	
74.0m												5.8		8.1	4.5
78.0m														7.1	3.7
82.0m														3	
86.0m															2.3

Unit:t

Boom length	60.0m												72.0m		
	24.0m			36.0m			48.0m			60.0m			72.0m		
Jib length	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°
18.0m	91.4														
20.0m	81.6														
22.0m	73.7			70											
24.0m	67.2			63.8											
26.0m	61.8			58.5			55.6								
28.0m	57.2			54			51.3			48.5					
30.0m				50.2			47.6			45					
34.0m		36.1		43.8			41.5			39			36.8		
38.0m		31.3		37.9	29.7		36.6			34.4			32.3		
42.0m					25.9		32.2			30.6			28.6		
46.0m			18.2		22.8		28.4	21.5		27.1			25.6		
50.0m								19		24	17.5		22.9		
54.0m						12.7		16.8		21.4	15.4		20.3	14.1	
58.0m						11.3		15		19.1	13.6		18	12.3	
62.0m								8.7		12			16.1	10.8	
66.0m								7.6		10.7			14.4	9.4	
70.0m										9.5	5.1		12.9	8.3	
74.0m											4.3		7.2	3	
78.0m											3.6		6.3	2.3	
82.0m														1.7	
86.0m														1.1	
90.0m														0.6	

Working Range HT



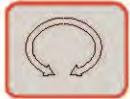
Rated Lifting Capacity Load Chart HT



86° 76° 66°
30m-72m



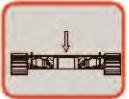
24m-72m



360°



160t



40t

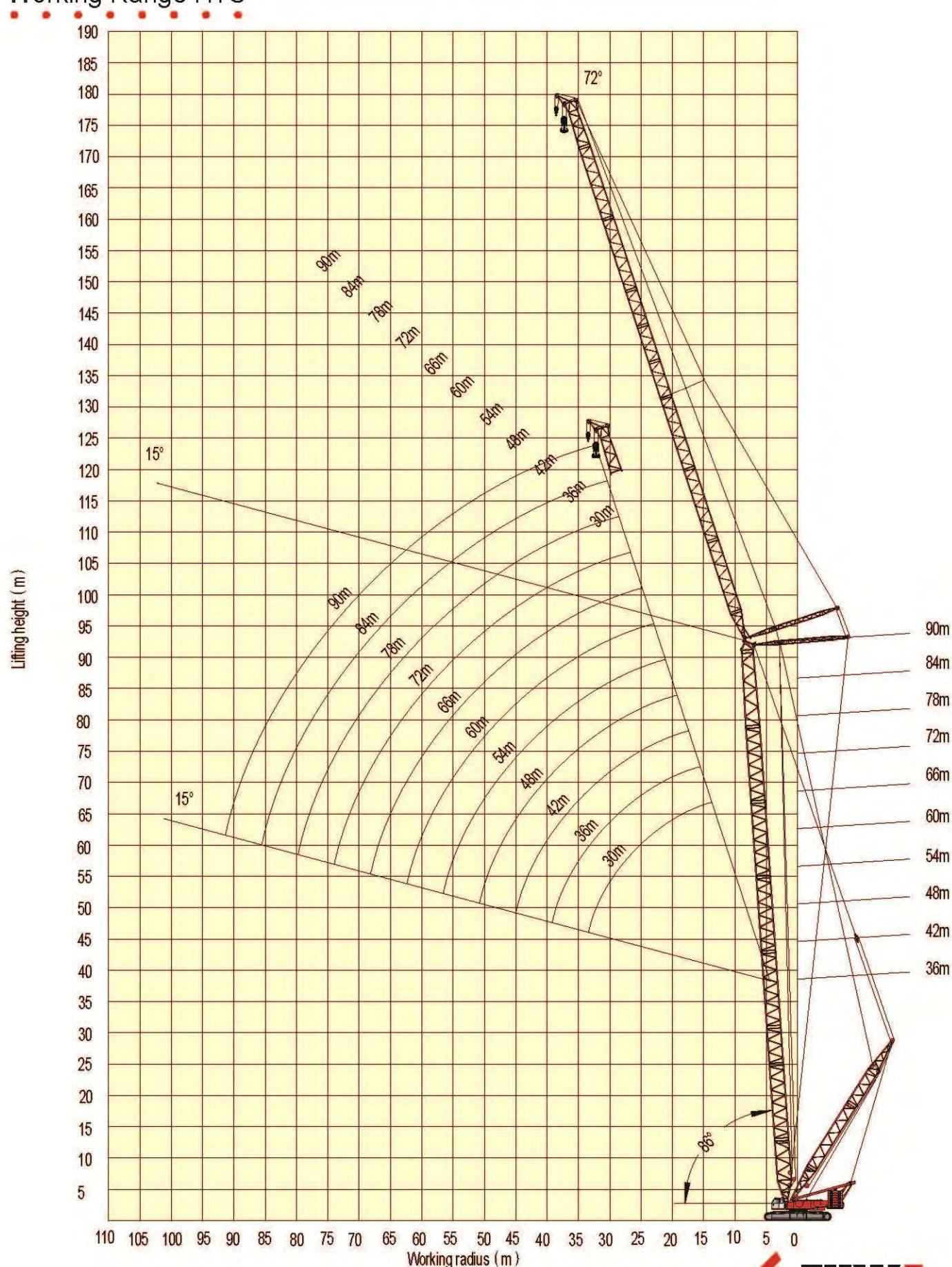
Unit:t

Boom length	66.0m												72.0m		
	24.0m			36.0m			48.0m			60.0m			72.0m		
Jib length	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°
18.0m	88.6														
20.0m	79.3														
22.0m	71.7		68												
24.0m	65.4		61.9												
26.0m	60.1		56.9			54									
28.0m	55.6		52.5			49.8									
30.0m			48.8			46.2			43.5						
34.0m		34.4		42.6			40.3			37.8			35.6		
38.0m		29.7		37.4	28.1		35.6			33.3			31.2		
42.0m					24.5		31.7			29.6			27.7		
46.0m						21.5		28	20.1		26.6		24.7		
50.0m			14.2			19.1		24.9	17.7		23.6	16.2		22.3	
54.0m						10.9		15.7		21	14.2		19.9		
58.0m						9.6		14		18.8	12.5		17.7	11.2	
62.0m						8.5		7.1			11		15.8	9.8	
66.0m								6.1			9.8		14.1	8.5	
70.0m								5.3		8.6	3.7		12.7	7.4	
74.0m											3			6.4	
78.0m											2.3		5.5	1	
82.0m											1.7		4.7	0.4	

Unit:t

Boom length	72.0m												72.0m		
	24.0m			36.0m			48.0m			60.0m			72.0m		
Jib length	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°
18.0m	85.7														
20.0m	76.8														
22.0m	69.5		65.8												
24.0m	63.4		60												
26.0m	58.4		55.1			52.2									
28.0m	54		50.9			48.2									
30.0m			47.3			44.7			42						
34.0m		32.3		41.4			39			36.5			34.3		
38.0m		27.9		36.8			34.5			32.2			30.1		
42.0m		24.4			22.7		30.8			28.6			26.6		
46.0m					20		27.5	18.6		25.7			23.8		
50.0m			12		17.7		24.5	16.3		23.2			21.4		
54.0m			10.5				14.4			20.6	12.9		19.4		
58.0m					7.6		12.8			18.4	11.3		17.3	9.9	
62.0m					6.6		11.3				9.9		15.5	8.6	
66.0m							4.3				8.7		13.8	7.4	
70.0m								3.6			7.6		12.4	6.3	
74.0m								2.9						5.4	
78.0m													4.6		
82.0m													3.8		

Working Range HTS



Rated Lifting Capacity Load Chart HTS

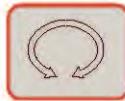


86°

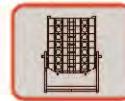
36m-90m



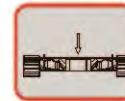
30m-90m



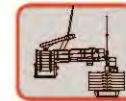
360°



160t



40t

0t
R=13m

Unit:t

Boom length	36m						48m					
	30m	42m	54m	66m	78m	90m	30m	42m	54m	66m	78m	90m
16m	115.6						104.9					
18m	100.4						91.4					
20m	88.7	84.5					80.9	76.2				
22m	79.4	75.5					72.5	68.2				
24m	71.9	68.2	64.8				65.7	61.7	57.9			
26m	65.6	62.2	59				60.1	56.3	52.8			
28m	60.4	57.1	54.1	49.2			55.4	51.7	48.4	44.7		
30m	56.1	52.8	49.9	47.1	34.3		51.4	47.8	44.7	41.6		
34m		45.8	43.1	40.5	32.5	16.8	45.3	41.6	38.6	35.8	25.3	
38m		40.4	37.9	35.4	30.8	14.9		36.8	33.9	31.3	23.5	12.6
42m		36.3	33.7	31.4	29	13		33.1	30.2	27.6	21.7	11.7
46m			30.3	28	26	11.9		30.4	27.2	24.7	20.4	10.4
50m			27.6	25.3	23.3	10.9			24.8	22.3	19.1	9.1
54m			25.4	23	21.1	9.8			22.9	20.3	17.9	7.9
58m				21.1	19.2	9.1			21.5	18.6	15.8	6.7
62m				19.5	17.5	8.4				17.2	13.9	5.8
66m				18.1	16.1	7.8				16.1	11.9	4.8
70m					14.8	6.7					10.1	
74m					12.7	5.7					8.5	
78m					10	4.6					6.9	

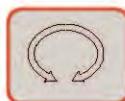


86°

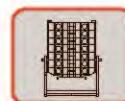
36m-90m



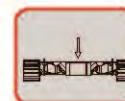
30m-90m



360°



160t



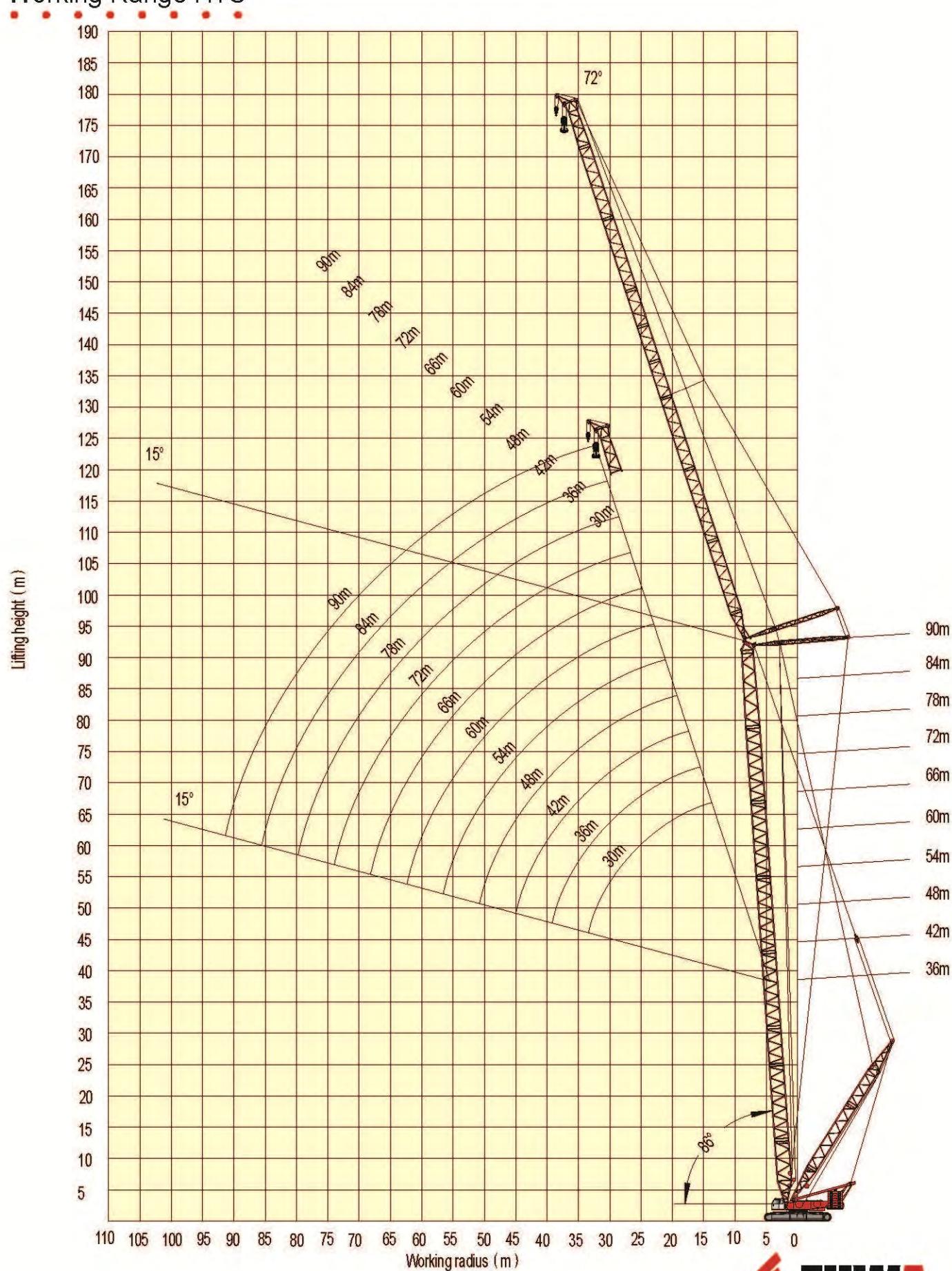
40t

0t
R=13m

Unit:t

Boom length	60m						72m					
	30m	42m	54m	66m	78m	90m	30m	42m	54m	66m	78m	90m
18m	81.4						70.4					
20m	72.1						62.4					
22m	64.7	60.1					56.1	51.2				
24m	58.7	54.4					51.0	46.4				
26m	53.7	49.6	45.8				46.7	42.4	38.3			
28m	49.6	45.6	42.1	38.5			43.2	39	35.2			
30m	46.1	42.2	38.8	35.5			40.2	36.1	32.5	28.9		
34m	40.8	36.8	33.6	30.5	22.1		35.6	31.5	28	24.7	18.4	
38m		32.6	29.5	26.6	20.9	8		27.9	24.7	21.5	17.1	4.5
42m		29.4	26.3	23.5	19.7	6.7		25.3	22	19	15.7	
46m		27.1	23.8	21	18.4	5.9		23.3	19.9	16.9	14.3	
50m			21.7	19	16.6	5.2			18.1	15.2	12.7	
54m			20	17.2	14.9	4.4			16.8	13.8	11.3	
58m			18.9	15.8	13.5				15.9	12.7	10.1	
62m				14.6	12.3					11.8	8.5	
66m				13.7	10.9					11.1	6.9	
70m				13.1	8.8					10.6	5.1	
74m					6.9							
78m					4.9							
82m												

Working Range HTS



Rated Lifting Capacity Load Chart HTS

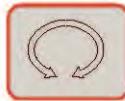


86°

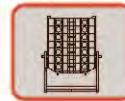
36m-90m



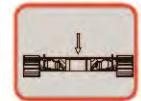
30m-90m



360°



160t



40t

0t
R=13m

Unit:t

Boom length	84m						90m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
20m	53.8						42.7					
22m	51.1						41.0					
24m	46.5	41.1					39.3	34.4				
26m	42.7	38	31.7				37.6	33.9				
28m	39.5	35	30.9				35.8	31.7	22.1			
30m	36.8	32.5	28.5	23.7			33.8	29.3	20.8	14.7		
34m	32.7	28.3	24.7	21.1	14.7		30.1	25.6	18.8	13.4	7.7	
38m		25.2	21.7	18.4	13.2	7.4		22.8	16.9	12.1	6.7	6.2
42m		22.9	19.4	16.1	11.7	6.7		20.7	14.9	10.9	5.7	5.2
46m		21.2	17.5	14.4	10.1	5.4		19.2	13.4	9.1	4.7	4.1
50m			16	12.9	8.5	4.1			12.1	7.5		
54m			14.9	11.7	6.9				10.9	5.9		
58m			14.2	10.8	5.4				8.2	4.7		
62m				10	4.1							
66m				8.9								
70m				7.5								

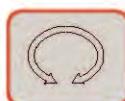


76°

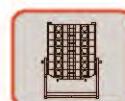
36m-90m



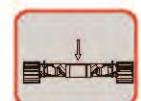
30m-90m



360°



160t



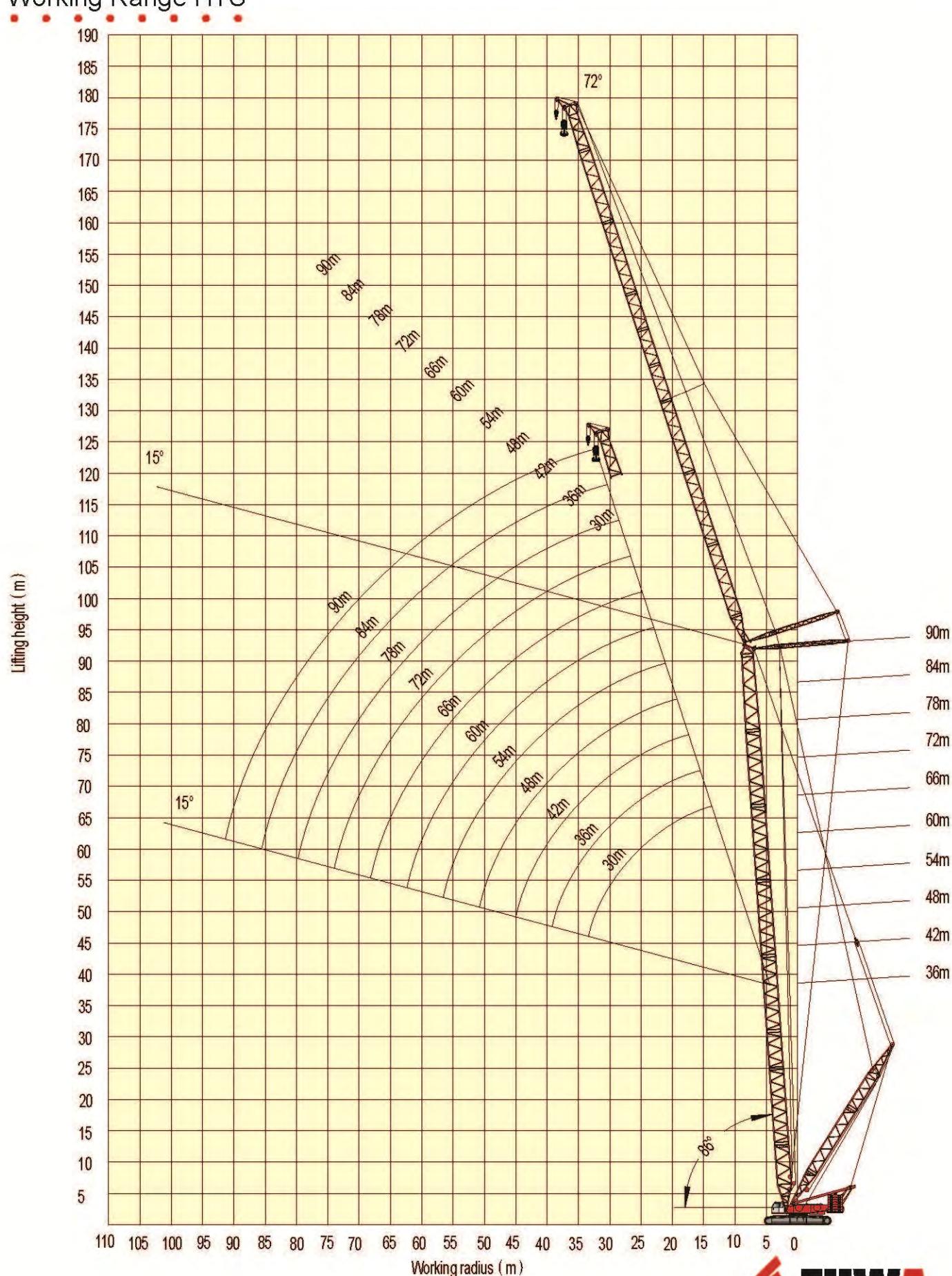
40t

0t
R=15m

Unit:t

Boom length	36m						48m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
28m	53.3											
30m	49.3						42.2					
34m	42.9	40					36.7					
38m	38.1	35.2	32.7				32.5	29.5				
42m		31.4	28.9				29.5	26.3	23.7			
46m		28.3	25.9	23.7				23.7	21.2	18.7		
50m		25.9	23.5	21.3	19.3			21.7	19.1	16.7		
54m			21.4	19.2	17.3	16.2		20.2	17.4	15	12.9	
58m			19.7	17.5	15.6	14.6			16	13.6	11.5	10.4
62m			18.4	16	14.1	13.1			14.9	12.4	10.4	9.3
66m				14.8	12.9	11.9			14.1	11.4	9.4	8.3
70m				13.7	11.8	10.8				10.6	8.5	7.4
74m				12.9	10.8	9.8				9.9	7.7	6.7
78m					10	9					7.1	6
82m					9.3	8.3					6.6	5.5
86m					8.8	7.6						
90m						7.1						

Working Range HTS



Rated Lifting Capacity Load Chart HTS

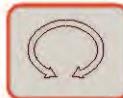


76°

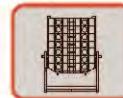
36m-90m



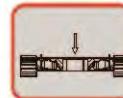
30m-90m



360°



160t



40t

0t
R=15m

Unit:t

Boom length	60m						72m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
34m	29.8											
38m	26.4	23.2					19.6					
42m	23.8	20.6					17.6	14.4				
46m	22.1	18.6	15.9				16.2	12.9				
50m		17	14.2	11.7					11.7	8.9		
54m		15.7	12.9	10.4					10.8	8	5.3	
58m			11.9	9.3	7.1	5.9			10.2	7.2	4.6	
62m			11	8.4	6.2	5				6.7		
66m			10.3	7.7	5.5	4.3				6.2		
70m				7.1	4.8					6		
74m					6.6	4.3						
78m					6.2							

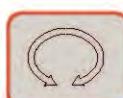


76°

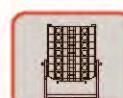
36m-90m



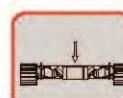
30m-90m



360°



160t



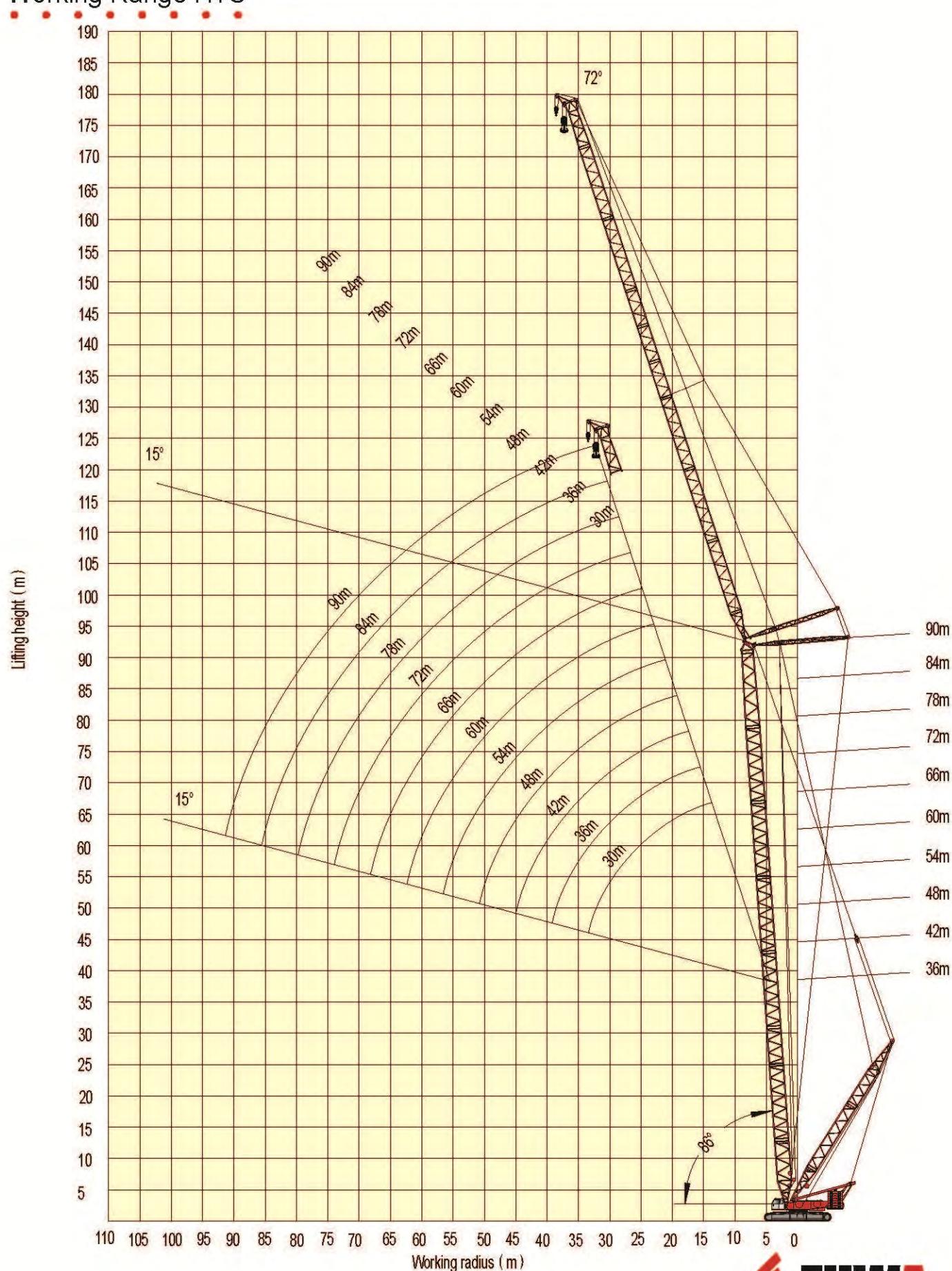
40t

0t
R=15m

Unit:t

Boom length	84m						90m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
38m	24.1											
42m	21.7						19.3					
46m	19.8	16.4					17.6	14.1				
50m	18.5	14.9	11.8				16.4	12.9				
54m		13.8	10.7						11.8	8.7		
58m		12.9	9.8	6.9					11.1	8	5	
62m		12.4	9.1	6.2					10.6	7.3	4.4	
66m			8.5	5.6						6.9		
70m			8.1	5.1						6.5		
74m			8	4.8						6.4		
78m				4.5								
82m				4.3								
86m				4.4								
90m												

Working Range HTS



Rated Lifting Capacity Load Chart HTS

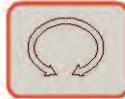


66°

36m-90m



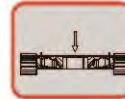
30m-90m



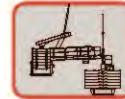
360°



160t



40t

0t
R=15m

Unit:t

Boom length	36m						48m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
38m	33.1											
42m	29.6						23.2					
46m	27.1	24.3					21.0					
50m		22					19.3	16.5				
54m		20.2	17.9						15			
58m			16.4						13.9	11.5		
62m			15.1	12.9					13.1	10.5		
66m			14	11.8	9.9					9.7	7.4	
70m				10.8	9	8				9	6.7	
74m				10	8.1	7.1				8.6	6.1	4
78m				9.3	7.4	6.4					5.6	
82m					6.8	5.8					5.2	
86m					6.1	5.2						
90m					5.4	4.6						



66°

36m-90m



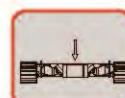
30m-90m



360°



160t



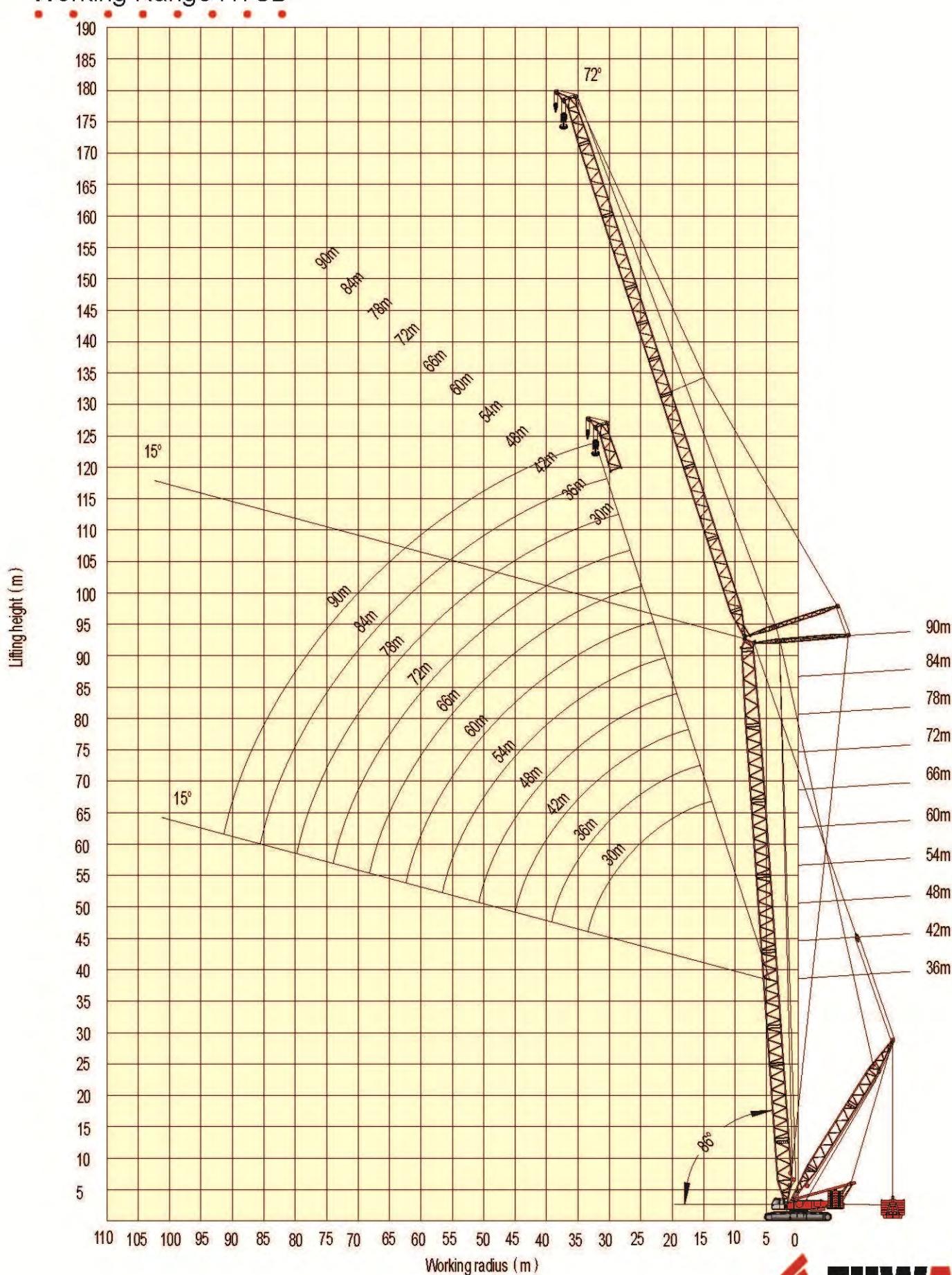
40t

0t
R=15m

Unit:t

Boom length	60m			72m			84m			90m	
	30m	42m	54m	30m	30m	42m	54m	30m	42m	30m	42m
50m	13.2										
54m	12.3	9.3		6.0							
58m		8.5		5.7			12.9				
62m		7.9	5.4			12.2				10.4	
66m		7.6	4.8				8.4			10.0	6.7
70m			4.4				7.9				6.3
74m			4.2				7.7	4.7		6	
78m			4					4.4		6	
82m									4.2		
86m									4.2		

Working Range HTSD



Rated Lifting Capacity Load Chart HTSD

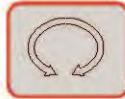


86°

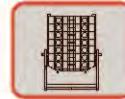
36m-90m



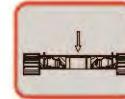
30m-90m



360°



160t



40t

170t
R=13m

Unit:t

Boom length	36m					48m						
	30m	42m	54m	66m	78m	90m	30m	42m	54m	66m	78m	90m
16m	149.5						129.7					
18m	142.9						123.8					
20m	136.3	111.6					118.0	88.7				
22m	128.5	108.3					113.5	86				
24m	121.0	105	70				109.3	83.4	65.7			
26m	113.5	101.7	68.8				105.1	80.7	62.7			
28m	106.0	98.3	67.6	49.2			100.9	78	59.8	44.7		
30m	98.5	95	66.4	48.1	34.3		96.7	75.4	56.8	42.8		
34m		83.5	62.7	45.1	32.5	16.8	91.3	70.5	54.1	41.1	25.3	
38m		72.8	59.2	42.1	30.8	14.9		66.4	51.6	39.5	23.5	12.6
42m		62	55.6	39.2	29	13		62.2	49	37.9	21.7	11.7
46m			48.5	36.5	27.1	11.9		57.3	46.1	35.8	20.4	10.4
50m			41.8	34.3	25.5	10.9			43.6	33.9	19.1	9.1
54m			35	32	23.8	9.8			41	31.9	17.9	7.9
58m				29.8	21.8	9.1			36.3	29.8	15.8	6.7
62m				27.9	20	8.4				27.9	13.9	5.8
66m				25.9	18.2	7.8				25.9	11.9	4.8
70m					15.3	6.7					10.1	
74m					12.7	5.7					8.5	
78m					10	4.6					6.9	



86°

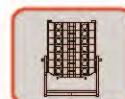
36m-90m



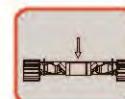
30m-90m



360°



160t



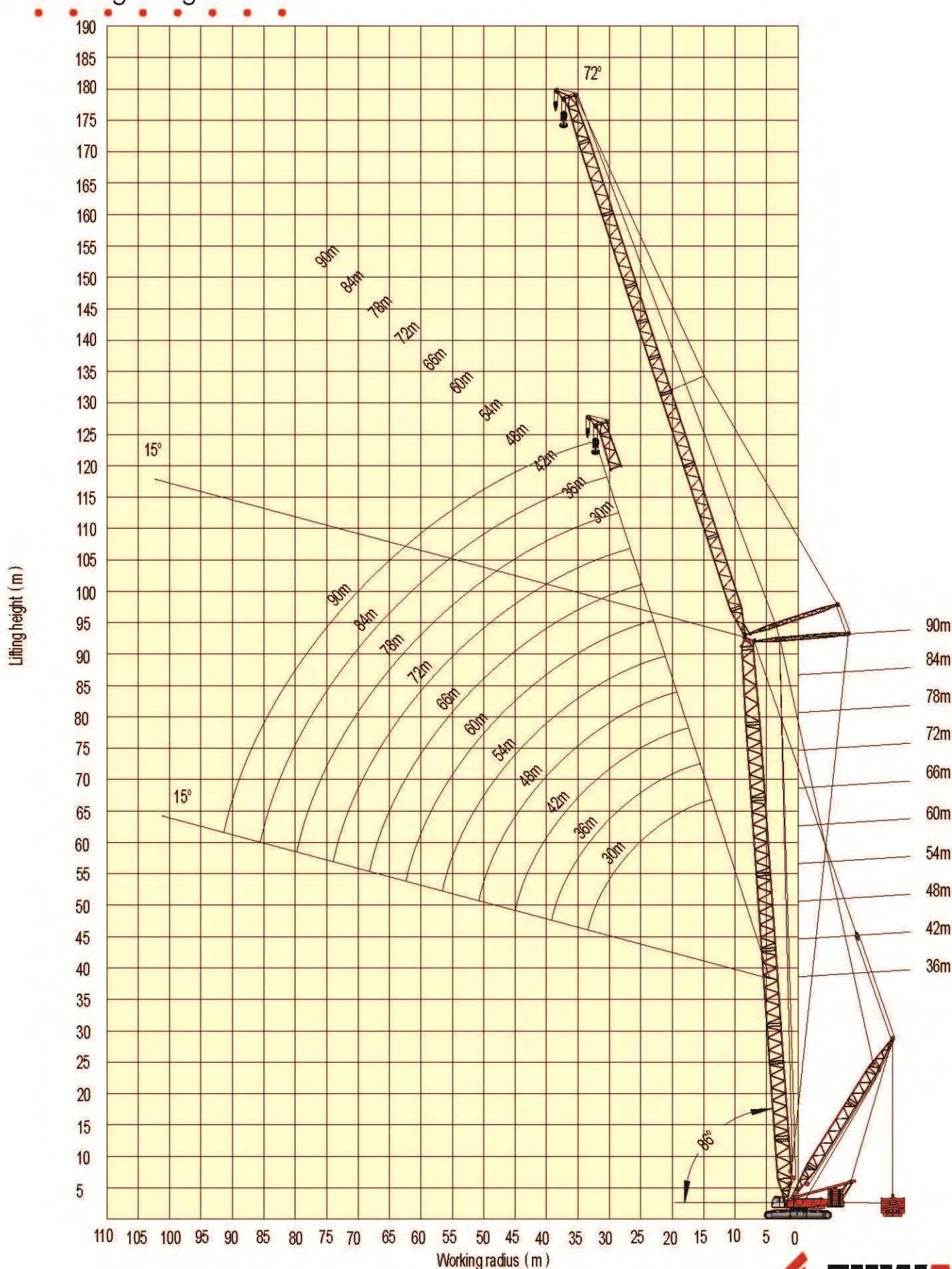
40t

170t
R=13m

Unit:t

Boom length	60m					72m						
	30m	42m	54m	66m	78m	90m	30m	42m	54m	66m	78m	90m
18m	92.4						74.7					
20m	89.8						72.8					
22m	86.5	67.8					70.8	56.7				
24m	83.2	66.1					68.9	55				
26m	80.0	64.3	50.3				67.0	53.2	41.1			
28m	76.7	62.5	49.5	39.7			65.1	51.5	39.9			
30m	73.5	60.8	48.7	38.7			63.2	49.8	38.8	32.7		
34m	69.8	57.5	46.1	36.5	22.1		60.2	47.8	36.8	30.8	18.4	
38m		54.3	43.6	34.2	20.9	8		45.9	34.9	28.9	17.1	4.5
42m		51.1	41	32	19.7	6.7		43.9	32.9	26.9	15.7	
46m		47.8	37.8	29.5	18.4	5.9		41.9	30.8	24.8	14.4	
50m			34.9	27.2	17.1	5.2			28.9	22.9	13.1	
54m				32.1	25	15.9	4.4		26.9	20.9	11.9	
58m				29.9	22.8	14.1			24.5	18.8	10.1	
62m					20.9	12.5				16.9	8.5	
66m					18.9	10.9				14.9	6.9	
70m					16.9	8.8				12.5	5.1	
74m						6.9						
78m						4.9						
82m												

Working Range HTSD



Rated Lifting Capacity Load Chart HTSD

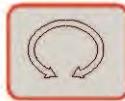


86°

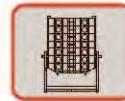
36m-90m



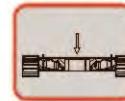
30m-90m



360°



160t



40t

170t
R=13m

Unit:t

Boom length Luffing jib length	84m						90m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
20m	53.8						42.7					
22m	52.0						41.0					
24m	50.3	41.1					39.3	34.4				
26m	48.6	40	31.7				37.6	33.9				
28m	46.8	38.9	31.2				35.8	33.3	22.1			
30m	45.1	37.8	30.7	23.7			34.1	32.7	20.8	14.7		
34m	41.5	35.8	28.8	22.1	14.7		31.6	30.5	18.8	13.4	7.7	
38m		33.9	26.9	20.5	13.2	7.4		28.2	16.9	12.1	6.7	6.2
42m		31.9	24.9	18.9	11.7	6.7		26	14.9	10.9	5.7	5.2
46m		29.2	22.8	17.1	10.1	5.4		23	13.4	9.1	4.7	4.1
50m			20.9	15.5	8.5	4.1			12.1	7.5		
54m			18.9	13.9	6.9				10.9	5.9		
58m			16.9	12.1	5.4				8.2	4.7		
62m				10.5	4.1							
66m				8.9								
70m				7.5								



76°

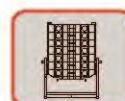
36m-90m



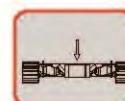
30m-90m



360°



160t



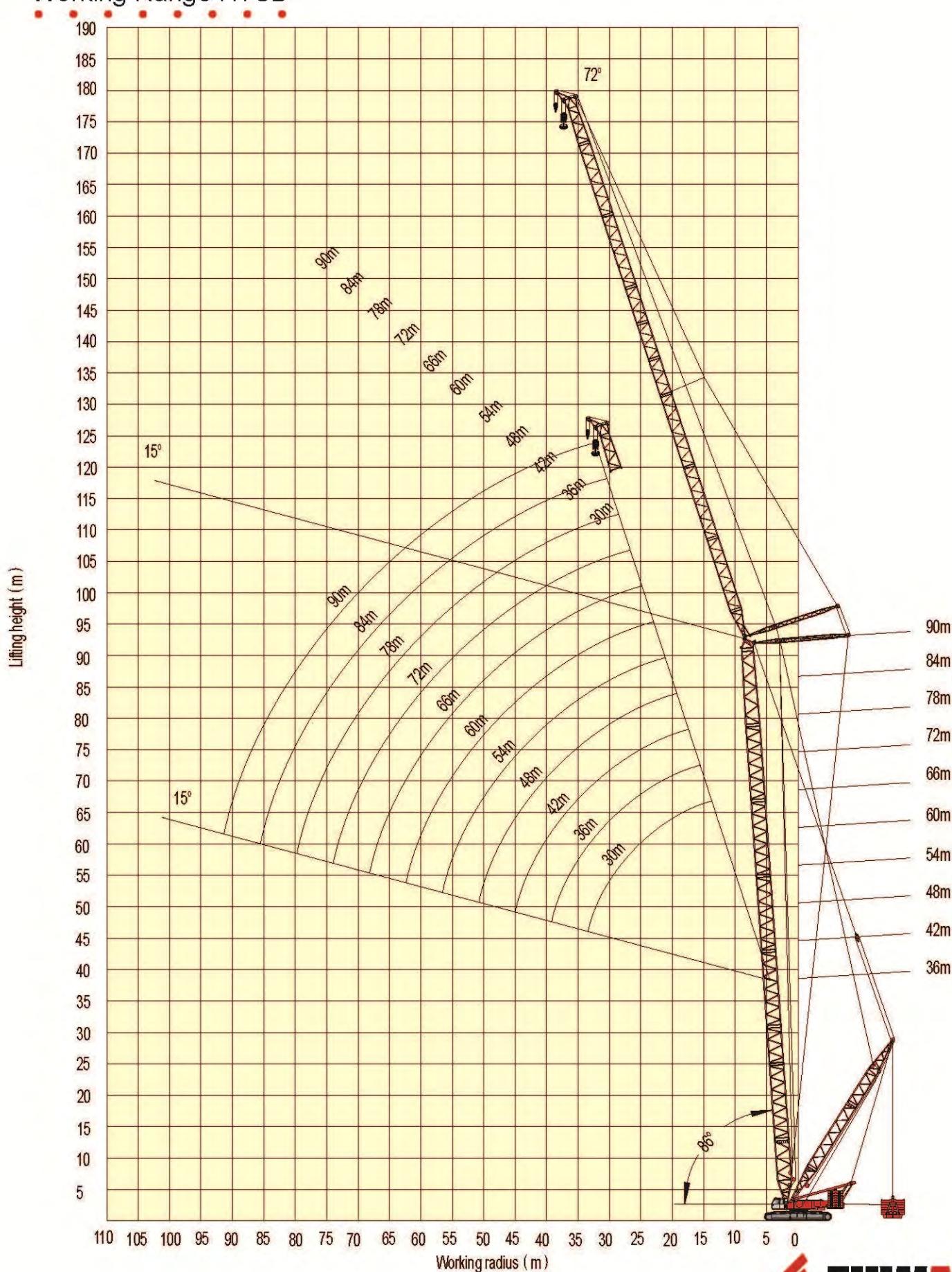
40t

170t
R=15m

Unit:t

Boom length Luffing jib length	36m						48m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
28m	126.3											
30m	112.9						108.5					
34m	99.9	95.2					95.8					
38m	87.7	82.4	59.3				82.9	81.4				
42m		69.5	52.3				70.1	68.7	53.3			
46m		62.8	48.3	42.7				59.3	49	40.7		
50m		56.4	44.4	41.4	29.6			50.2	44.8	39.4		
54m			40.5	40.2	29.2	22		41.1	40.5	38.1	24.8	
58m			36.6	36.4	27.6	21.4			36.8	35.5	23.9	18.6
62m			33.3	32.8	26	20.7			33.6	32.9	23.1	17.8
66m				29.3	24.5	20.1			30.4	30.3	22.3	16.9
70m				26.4	22.7	19				26.8	20.4	16
74m				23.9	21.1	18.1				23.6	18.7	15.1
78m					19.6	17.1					16.9	14.3
82m					17.3	15.7					14.6	12.7
86m					15.3	14.4						
90m						11.2						

Working Range HTSD



Rated Lifting Capacity Load Chart HTSD

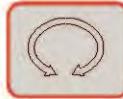


76°

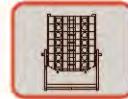
36m-90m



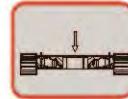
30m-90m



360°



160t



40t

170t
R=15m

Unit:t

Boom length	60m						72m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
34m	88.1											
38m	76.4	72.4					66.6					
42m	64.7	65.3					63.4	49.8				
46m	60.5	58.2	43				56.2	46.9				
50m		51.2	40.2	32.2				44.1	34.6			
54m		44.2	37.3	31.5				41.2	33.3	23.8		
58m			34.1	30.4	18.6	16		38.4	31	22.7	16.1	
62m			31.2	29.3	18.1	14.7			28.7	21.7	15	11.7
66m			28.4	28.1	17.7	13.3			26.5	20.7	14	10.7
70m				25.5	16.5	12.5			24.7	19.2	13.2	10.2
74m				22.9	15.4	11.6				17.9	12.5	9.8
78m				20.4	14.3	10.8				16.6	11.8	9.4
82m					13.1	9.6				15.1	10.7	8.6
86m						12	8.5				9.6	7.9
90m					10.9	7.3					8.6	7.2
94m						4.7					7.1	6
98m												4.9



76°

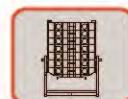
36m-90m



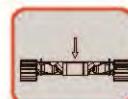
30m-90m



360°



160t



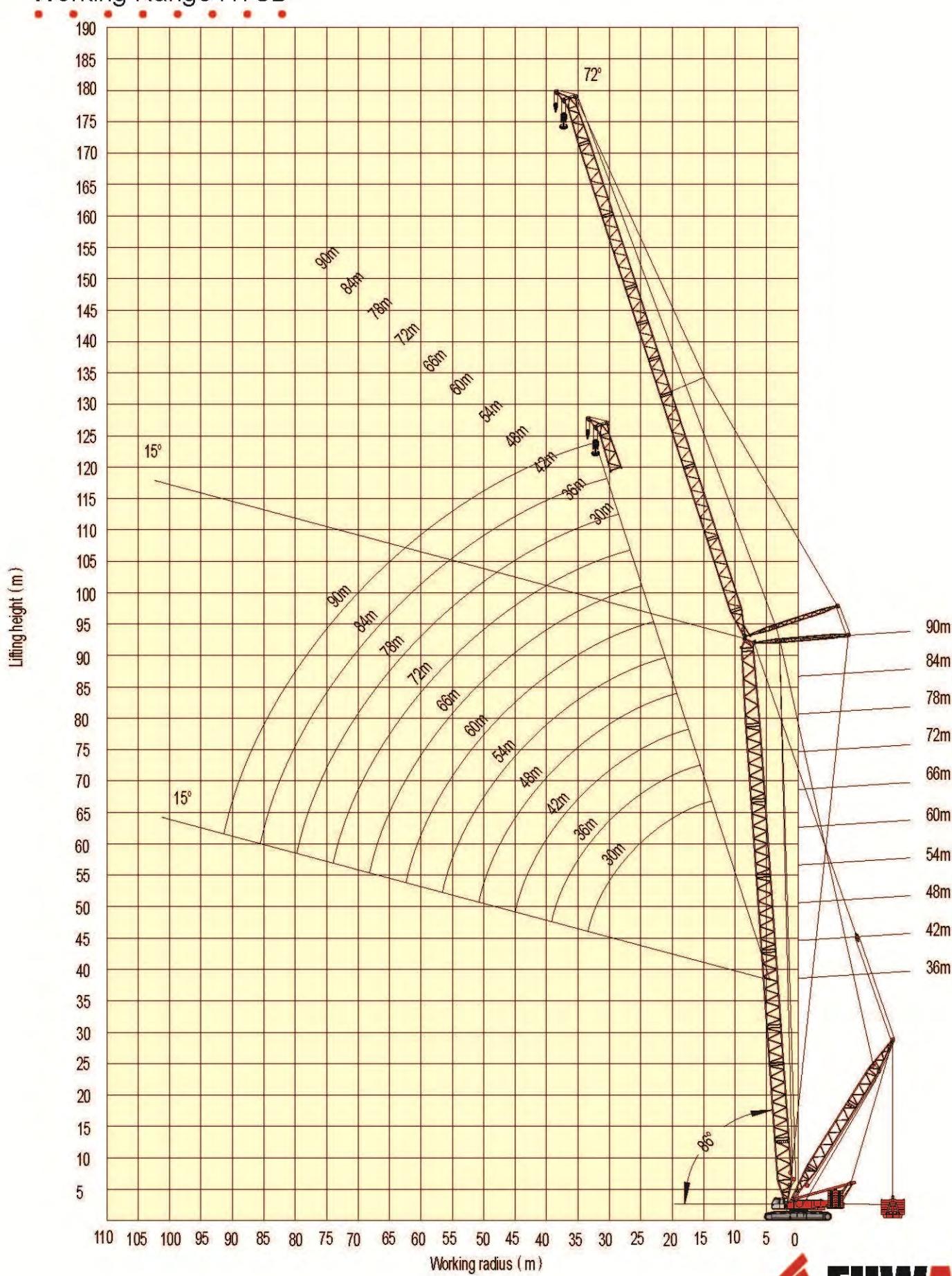
40t

170t
R=15m

Unit:t

Boom length	84m						90m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
38m	47.0											
42m	45.9						45.0					
46m	42.9	34.9					42.4	32				
50m	40.1	32.4	27				39.9	30.6				
54m		29.8	25.5					29.1	21.2			
58m		27.6	23.5	18.1				27.2	20.2	13.8		
62m		25.5	21.6	17	14.4			25.2	19.2	13	8.3	
66m			19.6	16	12.5	10.3			18.2	12.1	7.2	
70m			18.1	14.6	11.7	9.4			16.7	11.4	6.4	
74m			16.8	13.3	11	8.7			15.4	10.7	5.7	
78m				11.9	10.2	7.9				10	5	
82m				10.5	9.1	7.1				8.8	4.5	
86m				9.2	8	6.3				7.7	4.1	
90m					7	5.5						
94m					5.3	4.7						
98m												

Working Range HTSD



Rated Lifting Capacity Load Chart HTSD

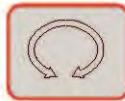


66°

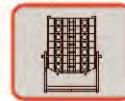
36m-90m



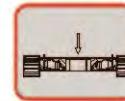
30m-90m



360°



160t



40t

170t
R=15m

Unit:t

Boom length	36m						48m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
38m	79.3											
42m	68.5						61.0					
46m	68.9	59					57.9					
50m		53.6					55.8	49.5				
54m		48.2	42.8					44				
58m			38.8					41.3	38.9			
62m			34.8	36.5				38.7	35.3			
66m			30.9	35.8	23.7				31.7	32		
70m				32.1	23.4	18			29.3	29		
74m				28.4	22.4	17.5			27	26.1	20	
78m				24.6	21.5	17				23.1	18.8	13.3
82m					19.8	15.7				20.2	17.6	12.3
86m					18.3	14.4					16.5	11.5
90m					16.7	13.2					15.4	10.7
94m						12.1						12.1
98m						11.1						



66°

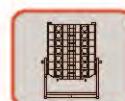
36m-90m



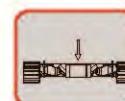
30m-90m



360°



160t



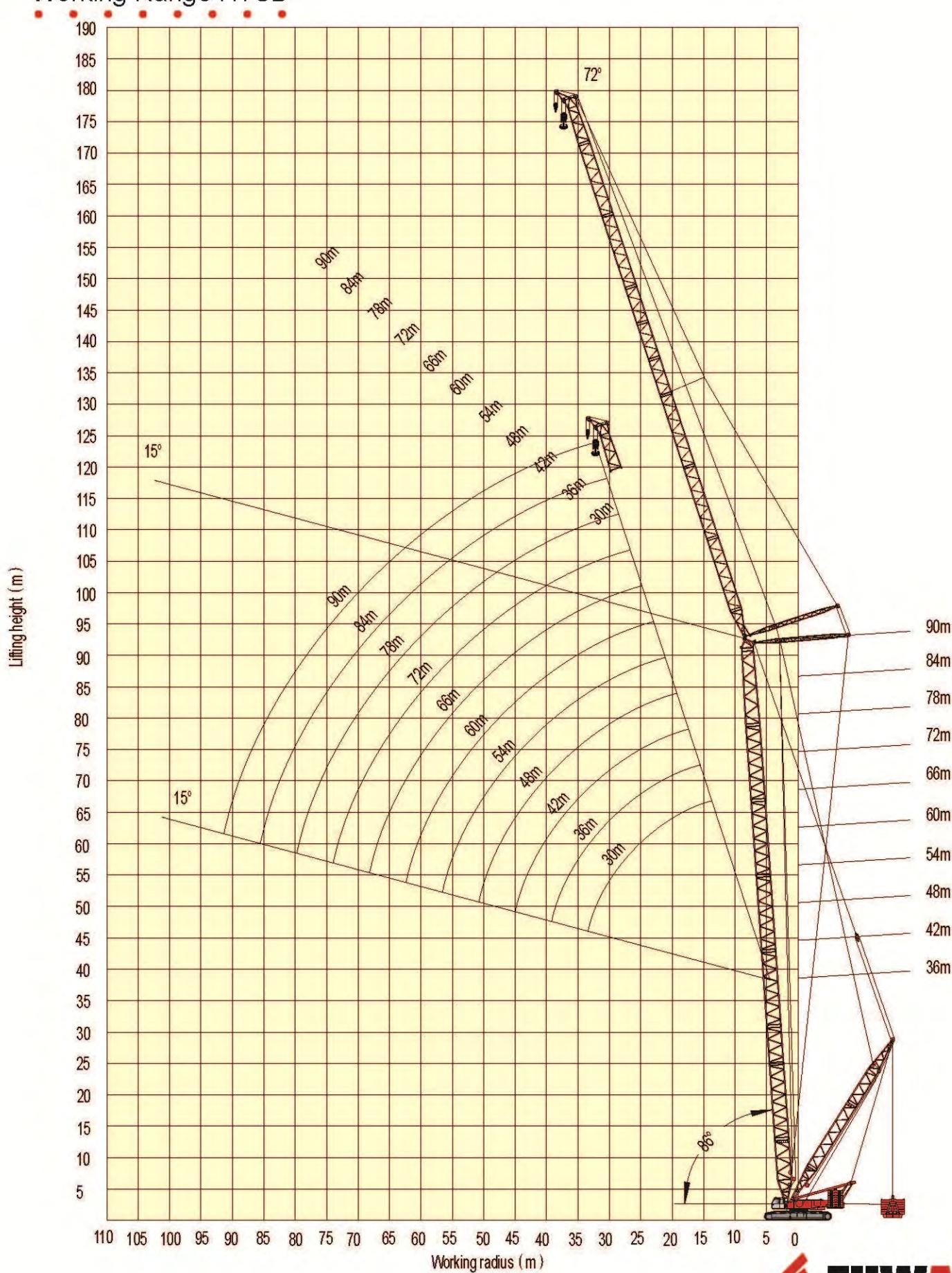
40t

170t
R=15m

Unit:t

Boom length	60m						72m					
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	78m	84m
50m	45.2											
54m	40.1	38.4					38.4					
58m		34.5					33.8					
62m		31	29.9					30.4				
66m		27.4	26.1					25.9	26.6			
70m			23.8	24.5				24	22.8			
74m			21.5	21.3					20.6	19.3		
78m			19.3	18.1	13.3				18.4	17.5		
82m				16.4	12.7	8.6			16.7	16.1	10.7	
86m				14.7	12.3	8.4				14.8	9.1	7.6
90m				13.1	11.8	8.2				13.4	7.5	6.1
94m					10.3	7.4				11.4	7.3	6
98m					8.9	6.6					7.2	5.9
102m					7.5	5.7					7	5.8
106m						4					5.9	4.8

Working Range HTSD



Rated Lifting Capacity Load Chart HTSD

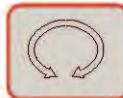


66°

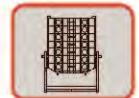
36m-90m



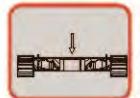
30m-90m



360°



160t



40t

170t
R=15m

Unit:t

Boom length	84m						90m				
	30m	42m	54m	66m	78m	84m	30m	42m	54m	66m	72m
58m	31.9										
62m	29.7						27.3				
66m		24					25.1	24.3			
70m		21.8						21.8			
74m		19.5	16.6					19.5	17.7		
78m			15.4					17.3	17		
82m			13.8	10.7					15.3	9.9	
86m			12.2	9.7	8.9				13.7	9.3	6.4
90m				8.7	6.9	7			12	8.7	5.2
94m				7.6	6.1	4				8	5.1
98m				6.6	5.4				7.3	5	
102m					4.6					6.6	5

Boom Combinations

H



24m H1 H4 H5

30m H1 H2A H4 H5

36m H1 H3A H4 H5

42m H1 H3A H2A H4 H5

48m H1 H3A H2A H2B H4 H5

54m H1 H3A H2A H3B H4 H5

60m H1 H3A H2A H3B H2B H4 H5

66m H1 H3A H2A H3B H3C H4 H5

72m H1 H3A H2A H3B H2B H3C H4 H5

78m H1 H3A H2A H3B H3C ★ H3D H4 H5

84m H1 H3A H2A H3B H2B H3C ★ H3D H4 H5

Note: ★ is the position for waist rope.

	10.5m	Boom foot
	6m	Boom 6m insert A
	6m	Boom 6m insert B
	12m	Boom 12m insert A
	12m	Boom 12m insert B
	12m	Boom 12m insert C
	12m	Boom 12m insert D
	12m	Boom tapered section
	1.5m	Boom head

Boom Combinations

HR



24m H1 H4 H5

30m H1 H2A H4 H5

36m H1 H3A H4 H5

42m H1 H3A H2A H4 H5

48m H1 H3A H2A H2B H4 H5

54m H1 H3A H2A H3B H4 H5

60m H1 H3A H2A H3B H2B H4 H5

66m H1 H3A H2A H3B H3C H4 H5

72m H1 H3A H2A H3B H2B H3C H4 H5

78m H1 H3A H2A H3B H3C ★ H3D H4 H5

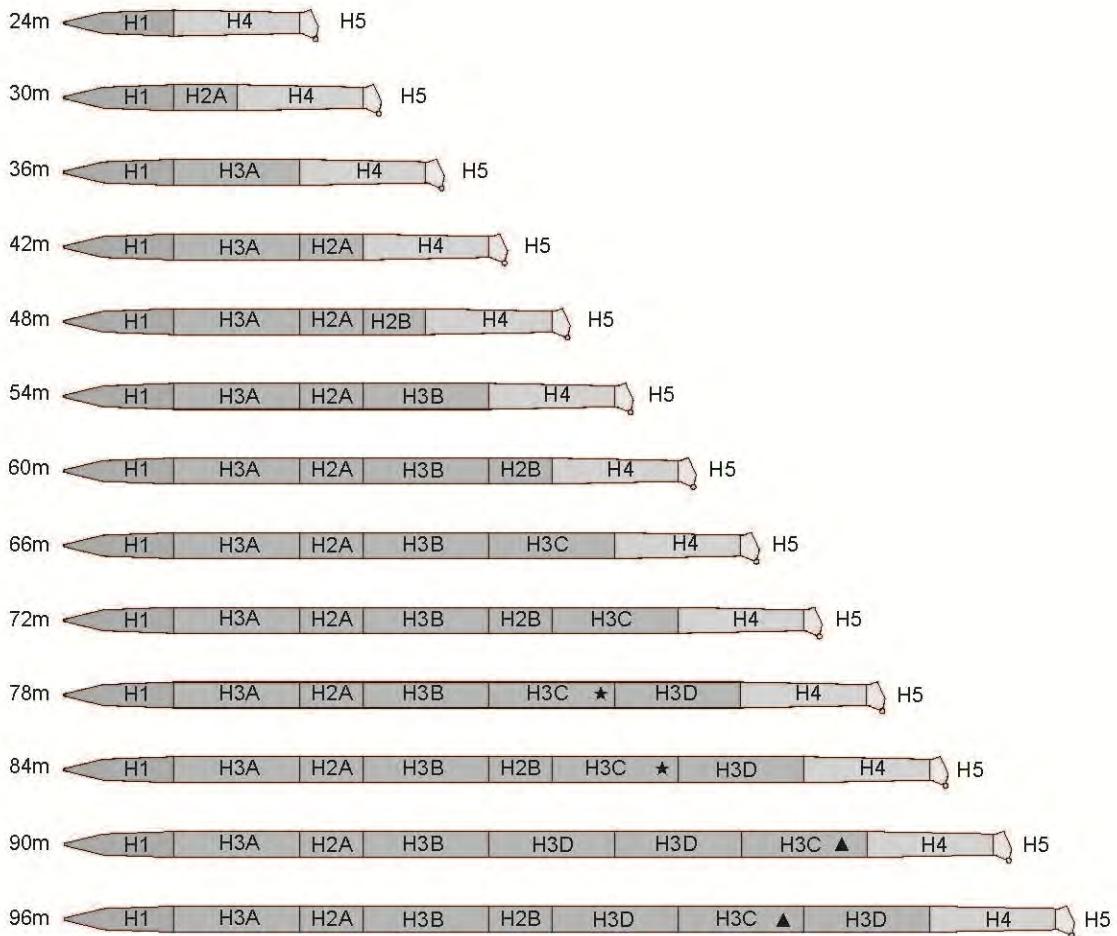
84m H1 H3A H2A H3B H2B H3C ★ H3D H4 H5

Note: ★ is the position for waist rope.

H1	10.5m	Boom foot
H2A	6m	Boom 6m insert A
H2B	6m	Boom 6m insert B
H3A	12m	Boom 12m insert A
H3B	12m	Boom 12m insert B
H3C	12m	Boom 12m insert C
H3D	12m	Boom 12m insert D
H4	12m	Boom tapered section
H5	1.5m	Boom head

Boom Combinations

HS

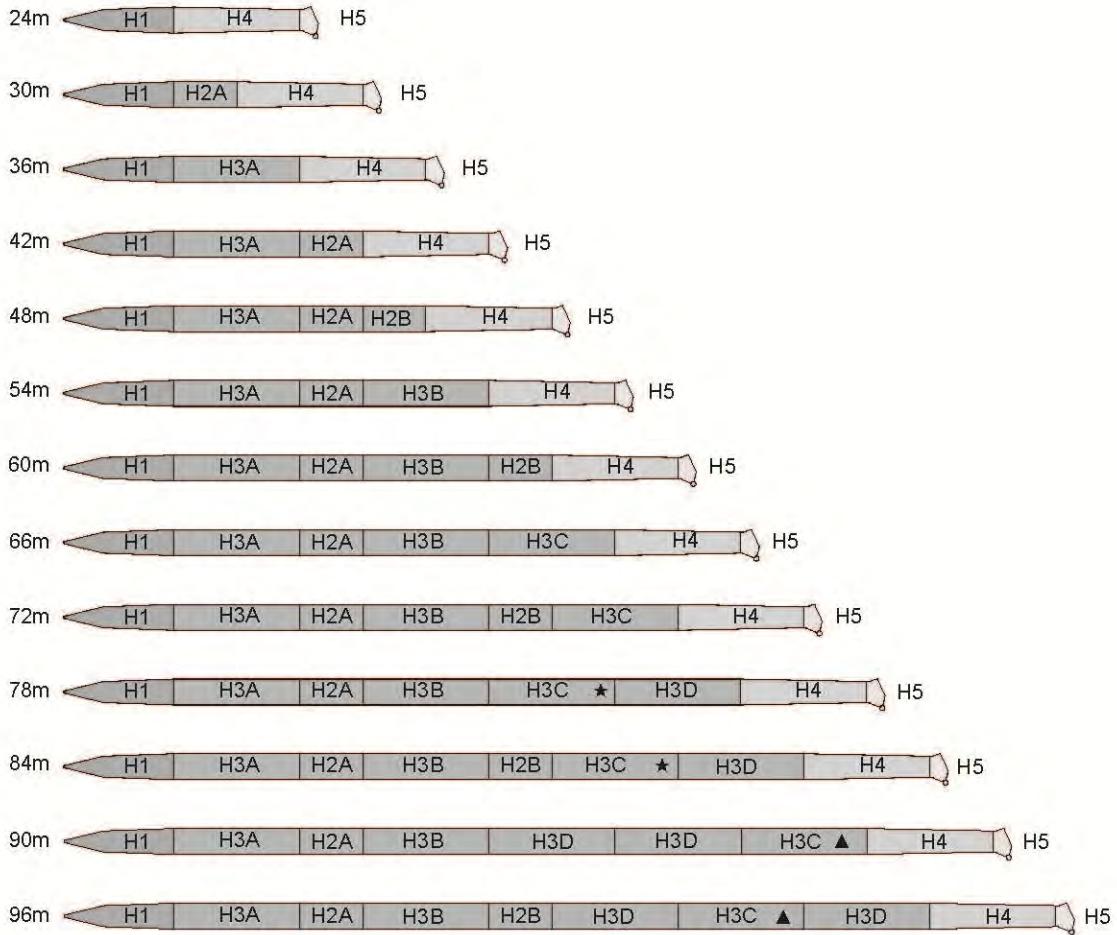


Note: ★ is the position for waist rope of heavy boom working condition, ▲ is the position for waist rope of heavy boom with superlift working condition.

	10.5m	Boom foot
	6m	Boom 6m insert A
	6m	Boom 6m insert B
	12m	Boom 12m insert A
	12m	Boom 12m insert B
	12m	Boom 12m insert C
	12m	Boom 12m insert D
	12m	Boom tapered section
	1.5m	Boom head

Boom Combinations

HSD

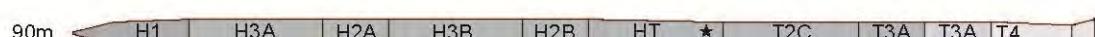
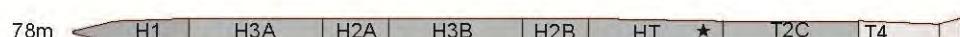
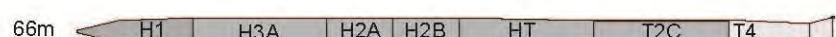
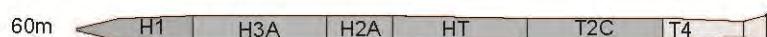


Note: ★ is the position for waist rope of heavy boom working condition, ▲ is the position for waist rope of heavy boom with superlift working condition.

	10.5m	Boom foot
	6m	Boom 6m insert A
	6m	Boom 6m insert B
	12m	Boom 12m insert A
	12m	Boom 12m insert B
	12m	Boom 12m insert C
	12m	Boom 12m insert D
	12m	Boom tapered section
	1.5m	Boom head

Boom Combinations

H/L



Note: * is the position for waist rope.

	10.5m	Boom foot		12m Heavy/light boom tapered section
	6m	Boom 6m insert A		12m Luffing jib 12m insert B
	6m	Boom 6m insert B		12m Luffing jib 12m insert C
	12m	Boom 12m insert A		6m Luffing jib 6m insert
	12m	Boom 12m insert B		7.5m Luffing jib head
	12m	Boom 12m insert C		

Boom Combinations

HR/L



42m

48m

54m

60m

66m

72m

78m

84m

90m

96m

102m

108m

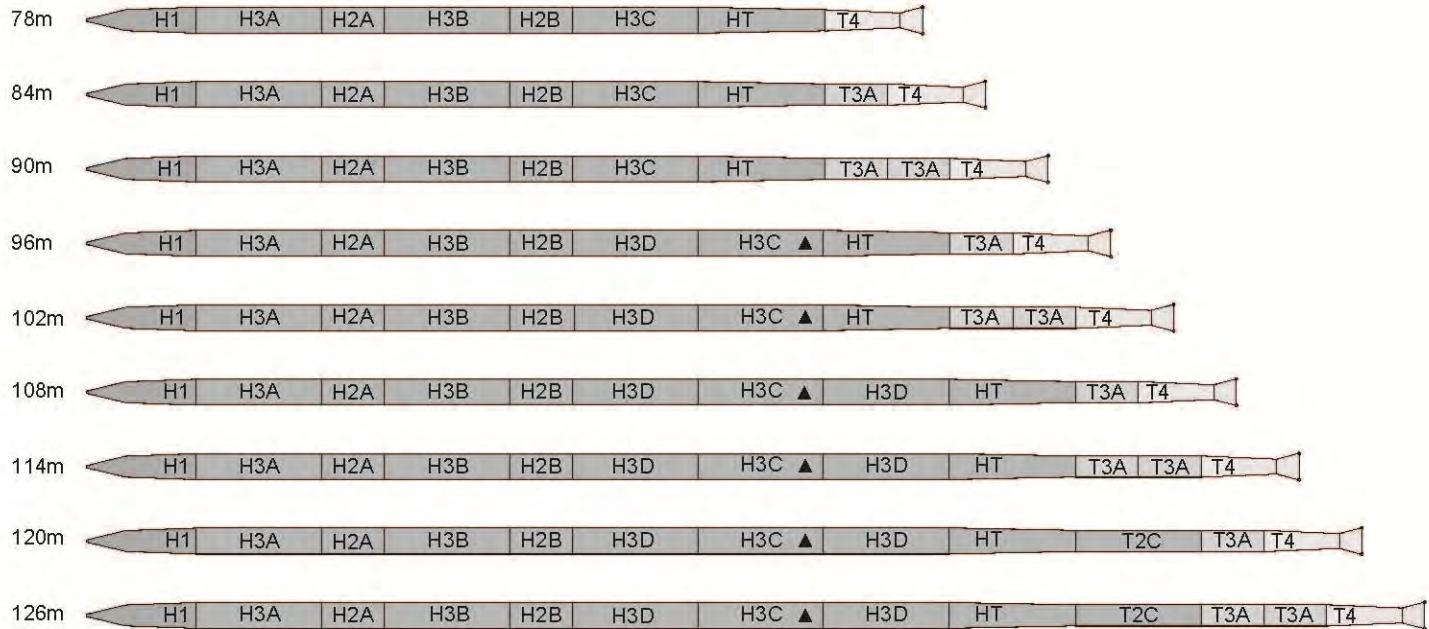
Note: * is the position for waist rope.

	10.5m	Boom foot		12m Heavy/light boom tapered section
	6m	Boom 6m insert A		12m Luffing jib 12m insert B
	6m	Boom 6m insert B		12m Luffing jib 12m insert C
	12m	Boom 12m insert A		6m Luffing jib 6m insert
	12m	Boom 12m insert B		7.5m Luffing jib head
	12m	Boom 12m insert C		

Boom Combinations

• • • • • • • •

HSD/L

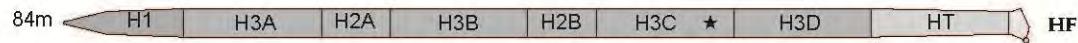


Note: ▲ is the position for waist rope with superlift mast.

H1	10.5m	Boom foot	H3D	12m	Boom 12m insert D
H2A	6m	Boom 6m insert A	HT	12m	Heavy/light boom tapered section
H2B	6m	Boom 6m insert B	H2B	12m	Luffing jib 12m insert B
H3A	12m	Boom 12m insert A	H2C	12m	Luffing jib 12m insert C
H3B	12m	Boom 12m insert B	T3A	6m	Luffing jib 6m insert
H3C	12m	Boom 12m insert C	T4	7.5m	Luffing jib head

Boom Combinations

HF



HFS



Note: * is the position for waist rope.

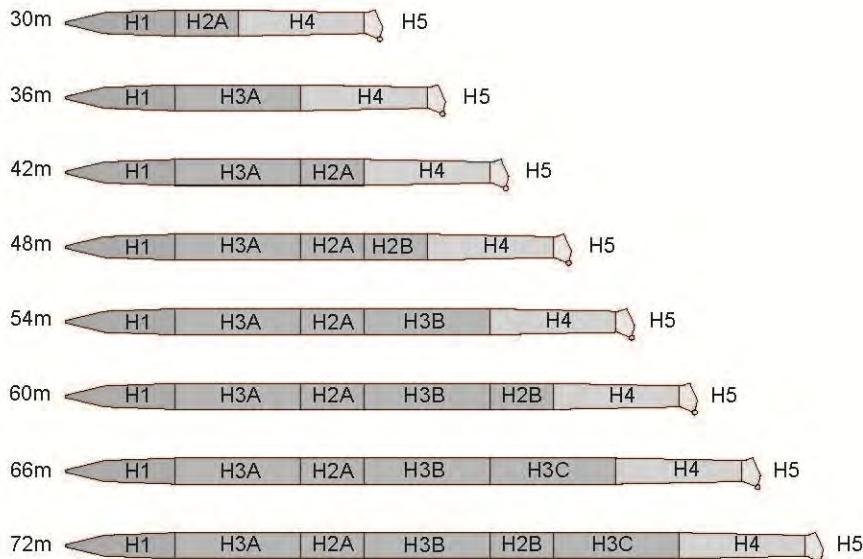
	10.5m	Boom foot
	6m	Boom 6m insert A
	6m	Boom 6m insert B
	12m	Boom 12m insert A
	12m	Boom 12m insert B
	12m	Boom 12m insert C
	12m	Boom 12m insert D
	12m	Heavy/light boom tapered section
	1.5m	Fixed jib boom head



	3.5m	Fixed jib foot
	3m	Fixed jib 3m insert
	3.5m	Fixed jib head

Boom Combinations

HT--Boom sections



	10.5m	Boom foot
	6m	Boom 6m insert A
	6m	Boom 6m insert B
	12m	Boom 12m insert A
	12m	Boom 12m insert B
	12m	Boom 12m insert C
	12m	Boom tapered section
	1.5m	Boom head

Boom Combinations



HT-Luffing jib sections



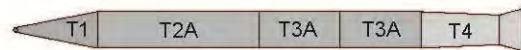
24m



30m



36m



42m



48m



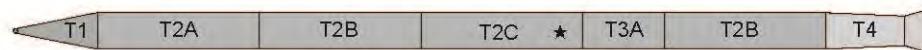
54m



60m



66m



72m



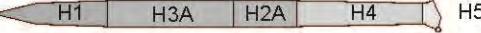
Note: ★ is the position for waist rope.

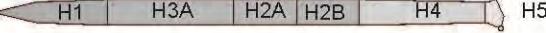
	4.5m	Luffing jib foot
	12m	Luffing jib 12m insert
	12m	Luffing jib 12m insert
	12m	Luffing jib 12m insert
	6m	Luffing jib 6m insert
	7.5m	Luffing jib head

Boom Combinations

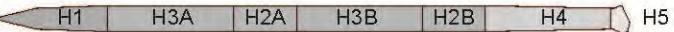
HTS,HTSD-Boom sections 

36m  H1 H3A H4 H5

42m  H1 H3A H2A H4 H5

48m  H1 H3A H2A H2B H4 H5

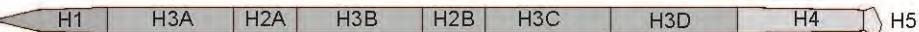
54m  H1 H3A H2A H3B H4 H5

60m  H1 H3A H2A H3B H2B H4 H5

66m  H1 H3A H2A H3B H3C H4 H5

72m  H1 H3A H2A H3B H2B H3C H4 H5

78m  H1 H3A H2A H3B H3C H3D H4 H5

84m  H1 H3A H2A H3B H2B H3C H3D H4 H5

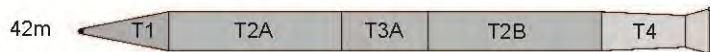
90m  H1 H3A H2A H3B H3D H3D H3C ★ H4 H5

Note: ★ is the position for waist rope.

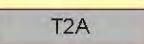
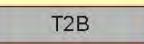
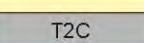
 H1	10.5m	Boom foot
 H2A	6m	Boom 6m insert A
 H2B	6m	Boom 6m insert B
 H3A	12m	Boom 12m insert A
 H3B	12m	Boom 12m insert B
 H3C	12m	Boom 12m insert C
 H3D	12m	Boom 12m insert D
 H4	12m	Boom tapered section
 H5	1.5m	Boom head

Boom Combinations

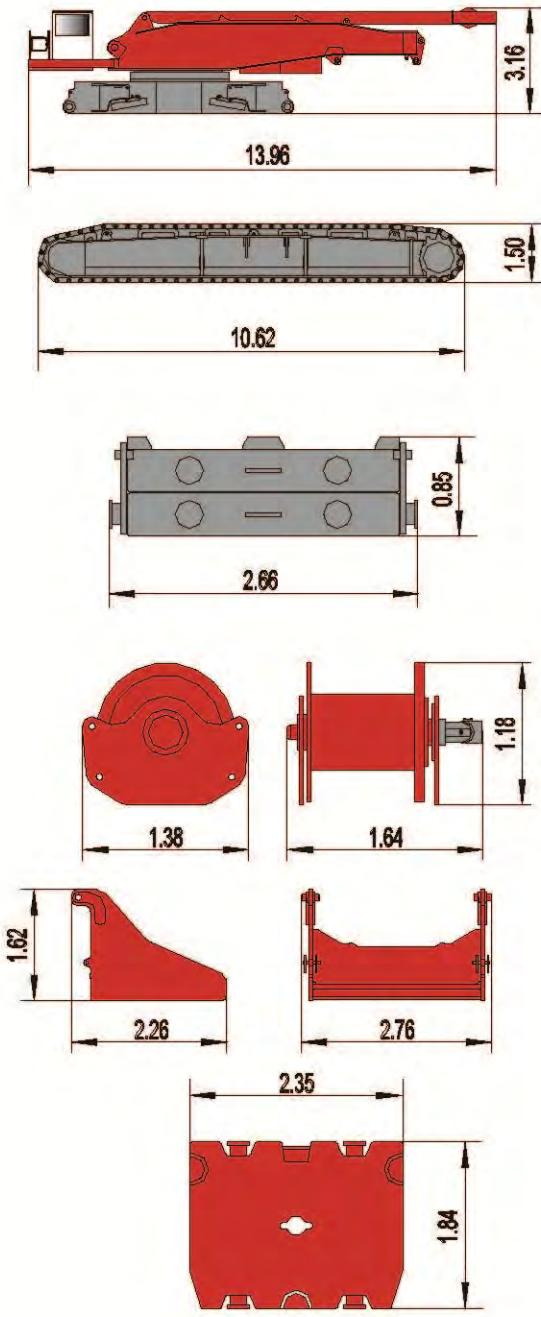
HTS,HTSD--Luffing jib sections 



Note: ★ is the position for waist rope.

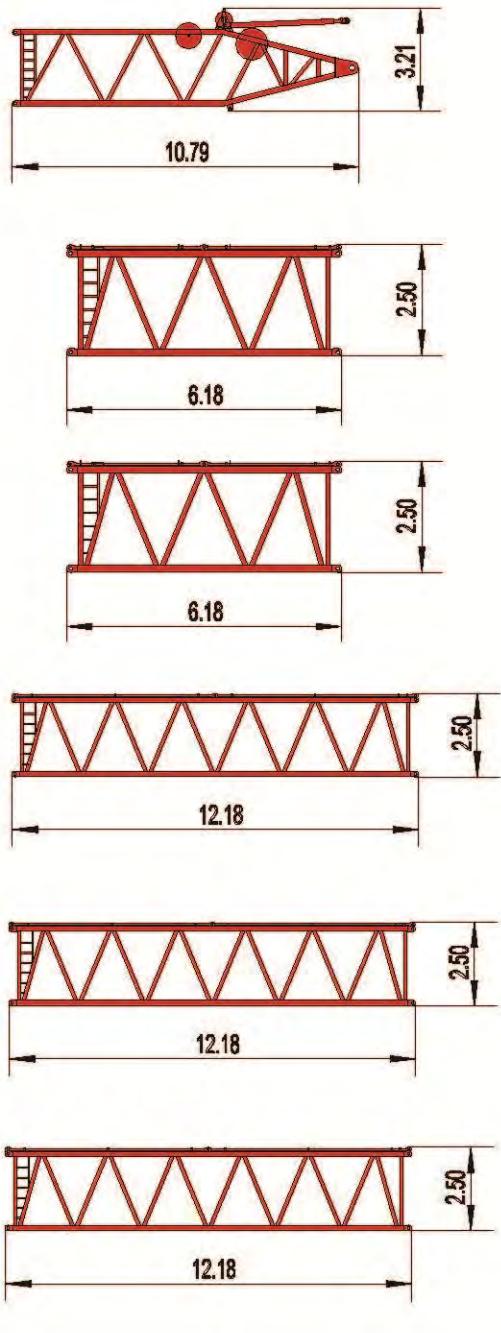
	4.5m	Luffing jib foot
	12m	Luffing jib 12m insert
	12m	Luffing jib 12m insert
	12m	Luffing jib 12m insert
	6m	Luffing jib 6m insert
	7.5m	Luffing jib head

Transportation Dimensions and Weights



Crane body	x1	▶
Length	13.96m	
Width	3.10m	
Height	3.16m	
Weight	57300kg	
Track assy.	x2	▶
Length	10.62m	
Width	1.84m	
Height	1.50m	
Weight	31600kg	
Undercarriage central ballast x2	▶	
Length	2.66m	
Width	2.21m	
Height	0.85m	
Weight	20689kg	
Luffing gear	x1	▶
Length	1.38m	
Width	1.64m	
Height	1.18m	
Weight	4300kg	
Counterweight frame x2	▶	
Length	2.76m	
Width	2.26m	
Height	1.62m	
Weight	9170kg	
Counterweight block x14	▶	
Length	2.35m	
Width	1.84m	
Height	0.47m	
Weight	10000kg	

Transportation Dimensions and Weights



Boom foot ×1

Length	10.79m
Width	2.88m
Height	3.21m
Weight	18950kg

Boom 6m insert A ×1

Length	6.18m
Width	2.86m
Height	2.50m
Weight	3294kg

Boom 6m insert B ×1

Length	6.18m
Width	2.86m
Height	2.50m
Weight	3051kg

Boom 12m insert A ×1

Length	12.18m
Width	2.86m
Height	2.50m
Weight	5790kg

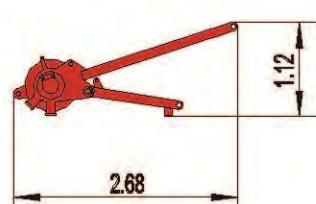
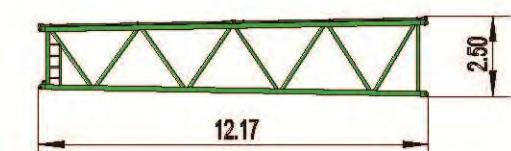
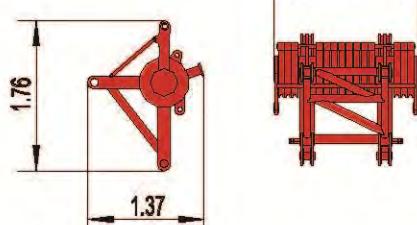
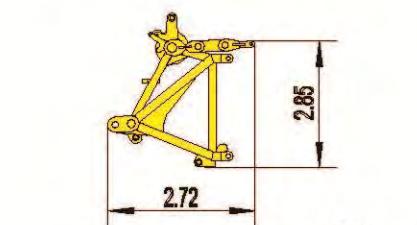
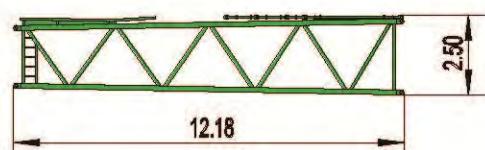
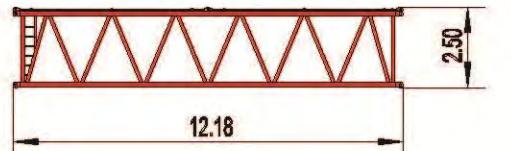
Boom 12m insert B ×1

Length	12.18m
Width	2.86m
Height	2.50m
Weight	5590kg

Boom 12m insert C ×1

Length	12.18m
Width	2.86m
Height	2.50m
Weight	5407kg

Transportation Dimensions and Weights



Boom 12m insert D ×2

Length	12.18m
Width	2.86m
Height	2.50m
Weight	5296kg

Boom tapered section ×1

Length	12.18m
Width	2.86m
Height	2.50m
Weight	5871kg

Boom head ×1

Length	2.72m
Width	2.03m
Height	2.85m
Weight	3605kg

Pulley block ×1

Length	1.37m
Width	2.24m
Height	1.76m
Weight	1764kg

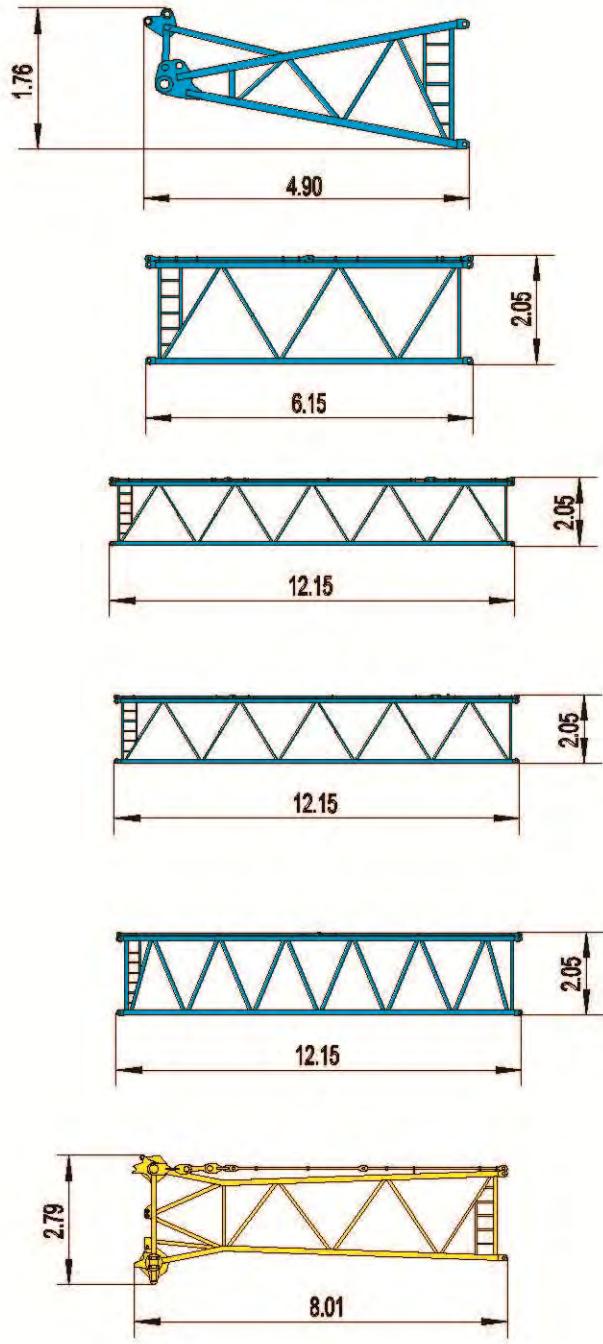
Heavy/light boom tapered section ×1

Length	12.17m
Width	2.86m
Height	2.50m
Weight	3798kg

Runner ×1

Length	2.68m
Width	1.64m
Height	1.12m
Weight	418kg

Transportation Dimensions and Weights



Luffing jib foot ×1 ►

Length	4.90m
Width	2.49m
Height	2.11m
Weight	1629kg

Luffing jib 6m insert ×3 ►

Length	6.15m
Width	2.47m
Height	2.05m
Weight	1454kg

Luffing jib 12m insert A×1 ►

Length	12.15m
Width	2.47m
Height	2.05m
Weight	2653kg

Luffing jib 12m insert B×3 ►

Length	12.15m
Width	2.47m
Height	2.05m
Weight	2544kg

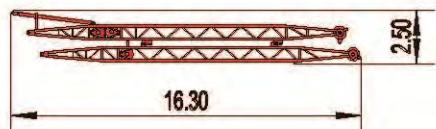
Luffing jib 12m insert C×1 ►

Length	12.15m
Width	2.47m
Height	2.05m
Weight	2653kg

Luffing jib head ×1 ►

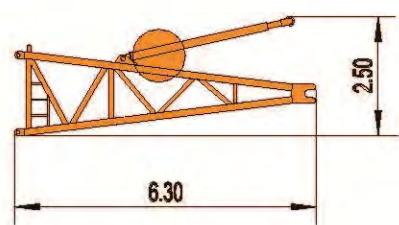
Length	8.01m
Width	2.47m
Height	2.79m
Weight	3871kg

Transportation Dimensions and Weights



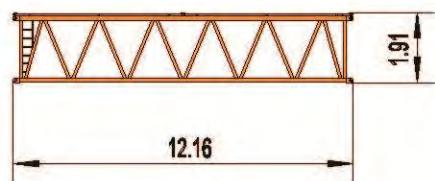
Luffing jib front, rear strut x1

Length	16.30m
Width	2.52m
Height	2.50m
Weight	6900kg



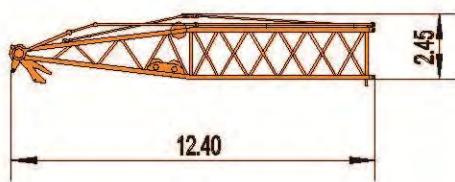
SL mast boom foot x1

Length	6.30m
Width	2.40m
Height	2.50m
Weight	7640kg



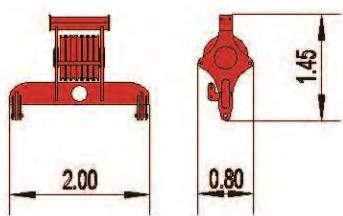
SL mast 12m boom x1

Length	12.16m
Width	2.24m
Height	1.91m
Weight	4000kg



SL mast boom head x1

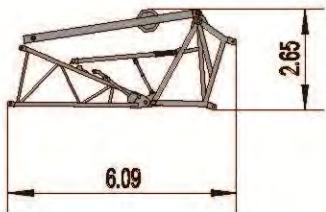
Length	12.40m
Width	2.33m
Height	2.45m
Weight	6100kg



Pulley block on the SL mast x1

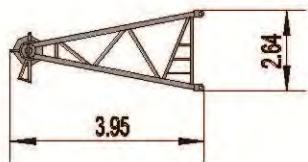
Length	2.00m
Width	0.80m
Height	1.45m
Weight	1165kg

Transportation Dimensions and Weights



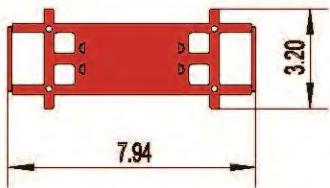
Fixed jib foot ×1

Length	6.09m
Width	2.50m
Height	2.65m
Weight	3394kg



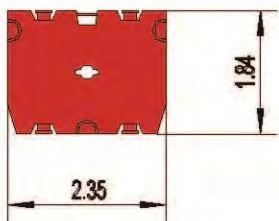
Fixed jib head ×1

Length	3.95m
Width	1.64m
Height	2.64m
Weight	850kg



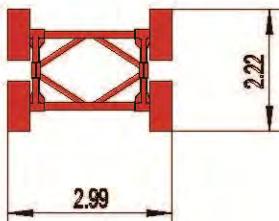
SL counterweight tray ×1

Length	7.94m
Width	2.50m
Height	3.20m
Weight	10680kg



Counterweight block ×24

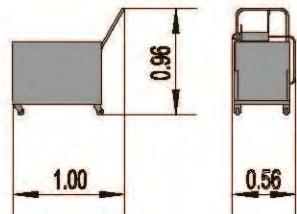
Length	2.35m
Width	1.84m
Height	0.47m
Weight	10000kg



Auxiliary trailer ×1

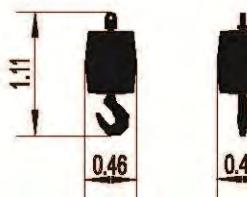
Length	2.99m
Width	2.22m
Height	1.12m
Weight	1610kg

Transportation Dimensions and Weights



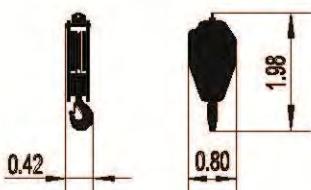
Movable pump station ×1

Length	1.00m
Width	0.56m
Height	0.96m
Weight	110kg



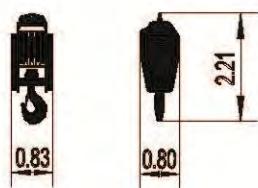
15t Hook ×1

Length	1.11m
Width	0.46m
Height	0.46m
Weight	700kg



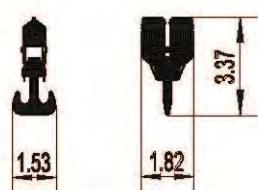
50t Hook ×1

Length	1.98m
Width	0.80m
Height	0.42m
Weight	1500kg



100t Hook ×1

Length	2.21m
Width	0.83m
Height	0.80m
Weight	3150kg



400t Hook ×1

Length	3.37m
Width	1.53m
Height	1.82m
Weight	6800kg

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

Remark



Remark





With the 30 years' development and plenty of R&D experience, Fuwa hydraulic crawler crane will be the final strong.



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

