XCMG



Crawler Crane

XGC450-U

450 Ust

413.4 ft

275.6+275.6 ft

V.1_2026

Company Profile

XCMG Hoisting Machinery, a core business division of XCMG Group, is the pioneer, leader, and innovator in China's crane industry, specializing in the R&D and manufacturing of mobile cranes. With technological innovation as its core driving force, the company is dedicated to delivering digital, intelligent, and integrated solutions to foster the healthy and sustainable development of the global hoisting industry chain.

XCMG Hoisting Machinery boasts a complete product portfolio, ranging from 5T to 220T truck cranes, 40T to 4,000T all-terrain cranes, 25T to 150T rough-terrain cranes, 30T to 220T telescopic crawler cranes, and 45T to 4,000T lattice boom crawler cranes. Its products are widely distributed across over 190 countries and regions, securing the top position in global mobile crane manufacturing rankings for two consecutive years, while maintaining China's leading share in crane exports.




业 智 能 制 造 基 地

R&D Center

Global Collaborative R&D System

China, Europe, North America, Brazil, and Australia

Establish multiple R&D centers worldwide to focus on studying regulatory requirements and customer needs in different regional markets, developing specialized crane models tailored to each region to better meet local customers' usage habits and demands.



XCMG Research Institute



XCMG Europe R&D Center



XCMG North America R&D Center



XCMG Brazil R&D Center



XCMG Australia R&D Center

R&D Achievements

With 30 years of professional dedication to crawler crane R&D, we have successfully developed nearly a hundred core technologies.

Our product series meet regional compliance standards, having obtained EU CE certification, Customs Union EAC certification, and North American certifications.

1,770 valid patents, including 909 invention patents (89 internationally authorized) and 165 valid software copyrights.



















Intelligent manufacturing



Welding robot



Lacing tube robot



Automatic feeding of track rollers



Fine coating



Intelligent warehousing and transportation



Test of complete machine

Global service

XCMG has globally

30 Subsidiaries

40 Sales Offices

40 Spare Part Centers

300+ Dealers

2000+ Service Outlets

5000+ Service Engineers

1500 Specialized Service Facilities

Regularly enjoy XCMG’s global services

Experience the convenience and comfort of having XCMG in hand

XCMG video



Provide customers with services including on-site equipment inspections, product maintenance and operation training, service APP installation guidance, reducing the operational costs for customers.



▲ Service in Southeast Asian



▲ Service in Indonesia



▲ Service in Central Asian



▲ Service in Africa

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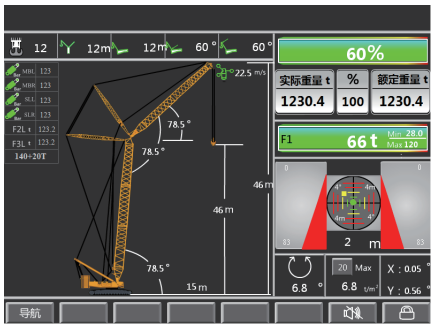
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01 Technological Leadership

Control system

- An intelligent, safe, and reliable control system that displays real-time parameters such as load ground pressure and boom length.



Human-machine synergy: effortless operation with peace of mind

- Simultaneous operation of main and auxiliary hooks enhances convenience; parallel operations minimize waiting time and accelerate project progress.



Tiered Load Capacity, Diverse Options

- Featuring a graded load mode, it offers multiple lifting configurations for weight-restricted applications like trestle bridges, delivering superior operational adaptability.



02 Operational Efficiency

Self-assembly and disassembly technology

- Optional full self-assembly/disassembly functionality enables intelligent remote-controlled counterweight self-hoisting, making installation and dismantling more effortless.



Self-dismantling crawler beam system



One-touch mast raising

Extended outrigger cylinder

- The basic machine maintains a 1.3m ground clearance without assistance, accommodates 1.2m flatbed transport (width <3m, height <4.5m), ensuring globally unimpeded transportation.



Standardized boom design

- Supports triple-set transportation, reducing logistics costs by over 15%.





Boom set transportation



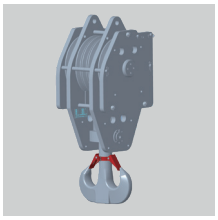
03 Safety and reliability

- **Self-diagnostic fault system:**Real-time anomaly detection improves troubleshooting efficiency by 50%.
- **Reliable quality assurance:**Full-lifecycle structural safety design, premium manufacturing equipment, and high-strength steel welding technology.



Height limiter

The limit switch ensures safety and reliability, effectively preventing overwinding.



Hook anti-release clamp

Prevents the hook from accidentally detaching from the boom during lifting operations, thereby avoiding potential safety hazards.



E-Stop switch

(Mechanical + Program + Limit Switch) enhances emergency response efficiency.



Anemometer and height marker lamp

Automatically activates audible and visual alarms in adverse weather conditions.



Anti-overwinding device

Monitors wire rope reserve to prevent loss of control caused by complete unwinding.



Real-time monitoring

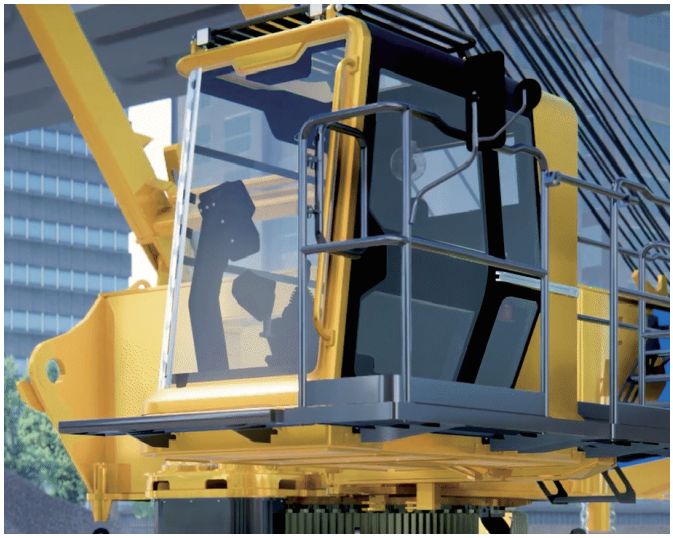
Full control over the operational status of lifting, luffing, hook, and other systems.



04 Premium comfort

Human-machine synergy: effortless operation with peace of mind
Spacious-view cab for optimal human-machine interaction

- Over 80% glass surface provides panoramic visibility; advanced sound insulation ensures cab tranquility.



- The upgraded rear storage compartment features a capsule-style design, providing ample space for both work and personal items with excellent sealing performance.





- The ergonomically designed joystick provides comfortable grip and precise motion control. Its optimized button/switch layout enables swift coordinated operations.



- Independent AC with multi-duct design for rapid cab temperature adjustment
- The extra-wide driver's cab features a suspension seat with adjustable height and angle to minimize operator back strain. The ultra-light textile cotton provides excellent breathability, ensuring comfort in diverse weather conditions.

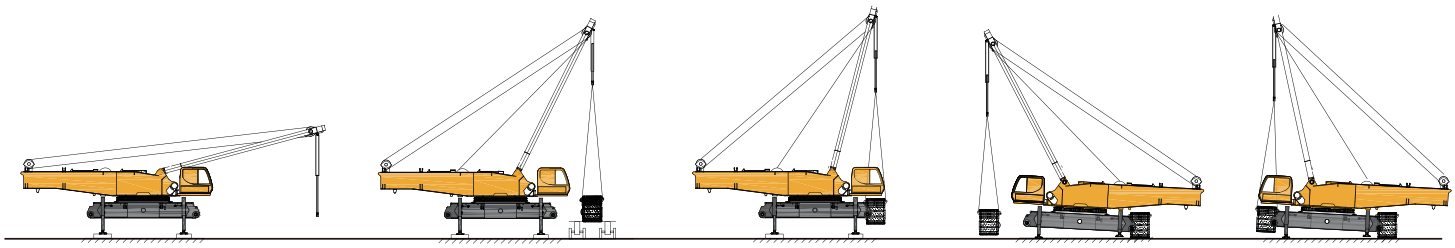




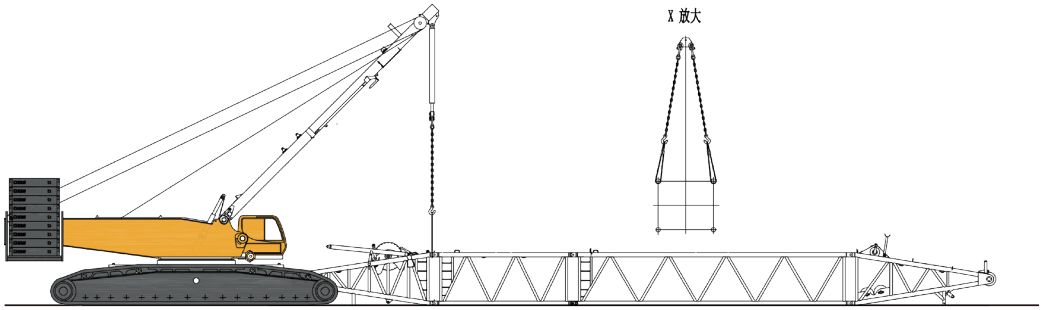


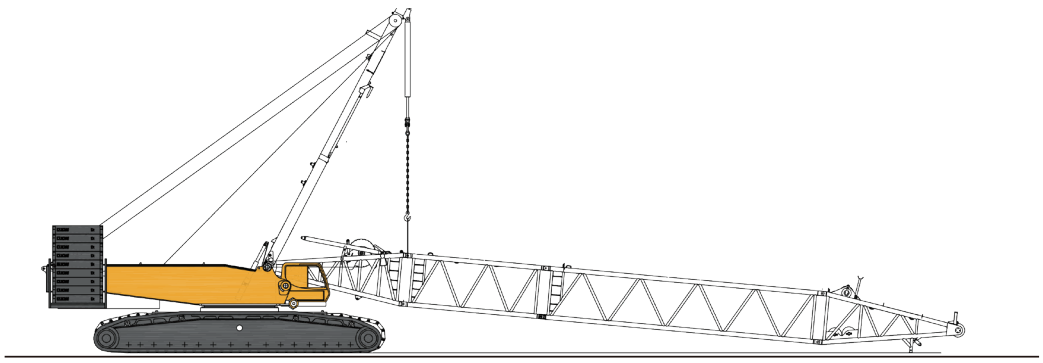
Assembly/Disassembly Solutions

1 Self-assembly and disassembly of crawler beam

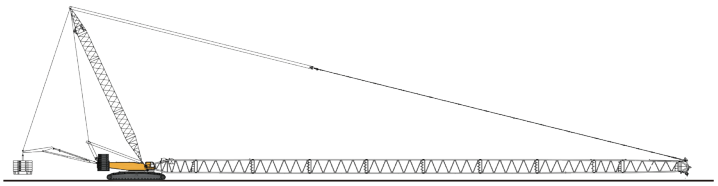


2 Superlift mast installation



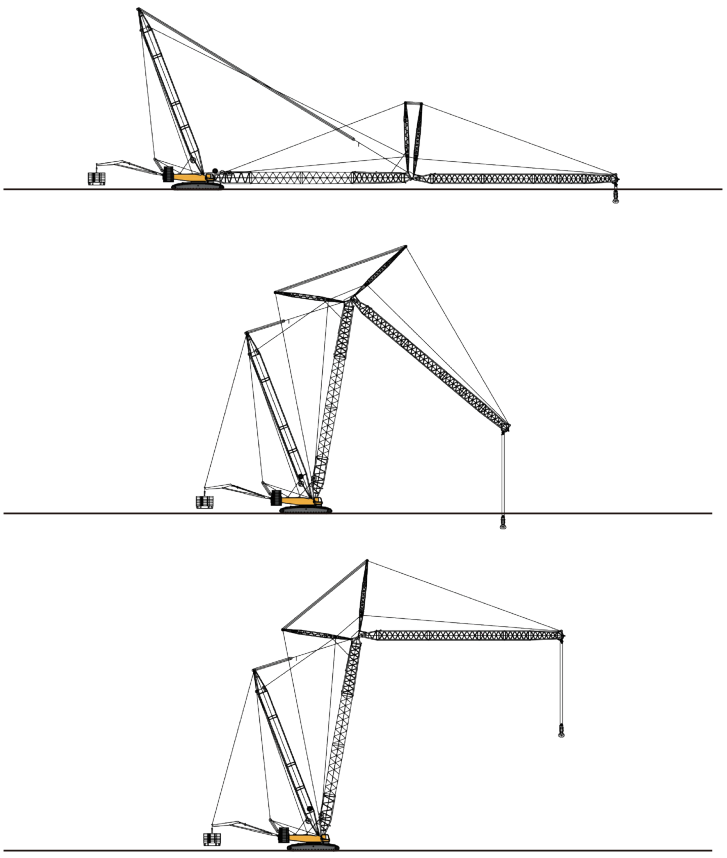


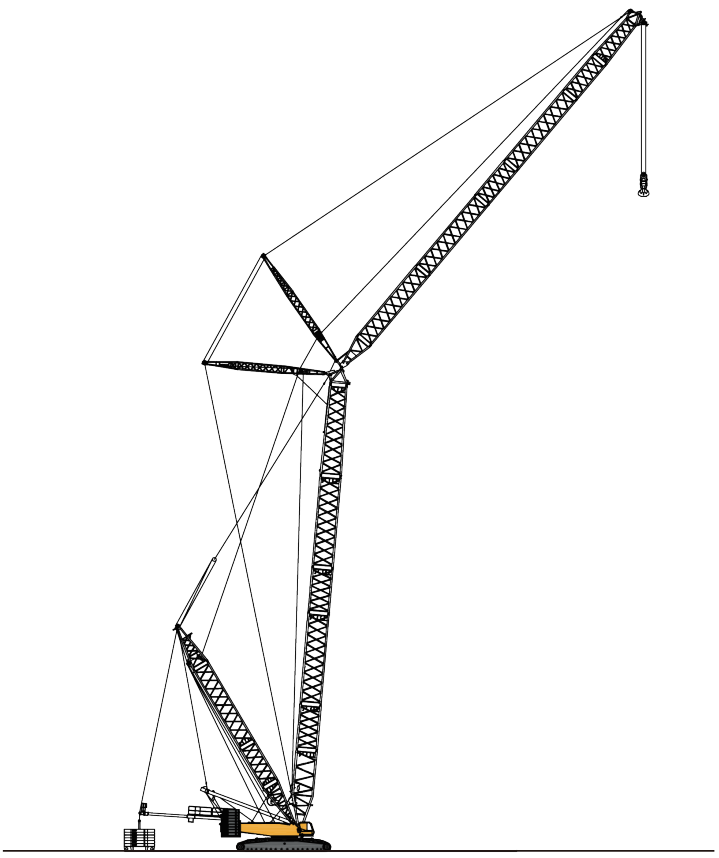
3 Boom installation



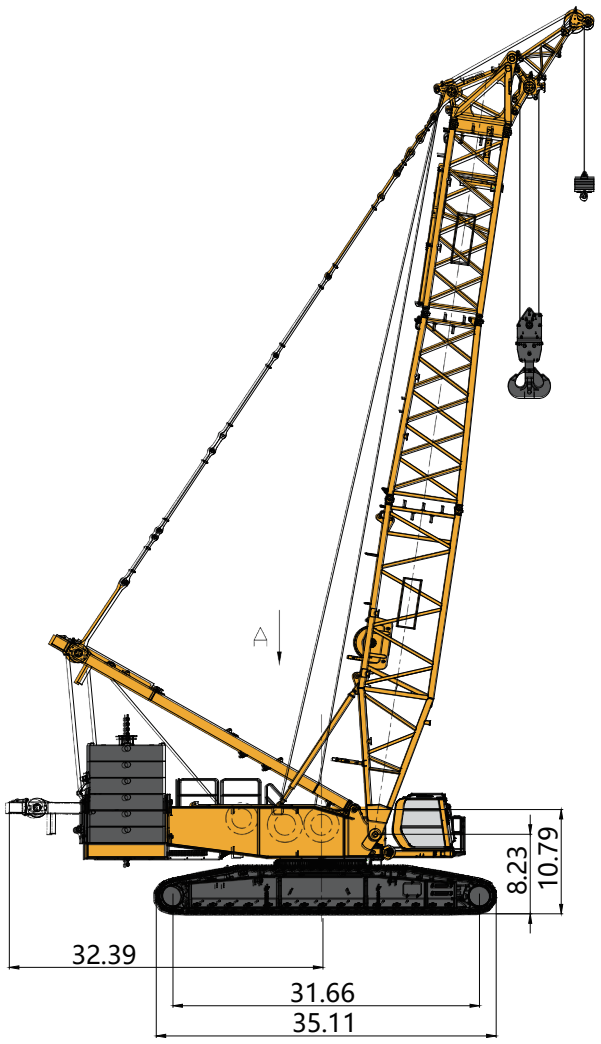


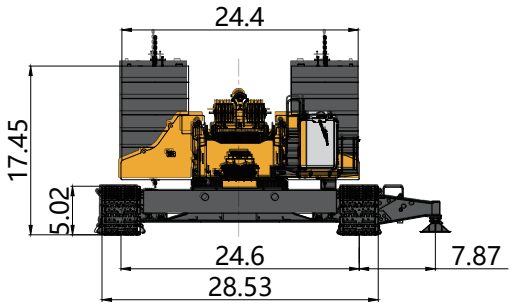
4 Superlift tower jib installation

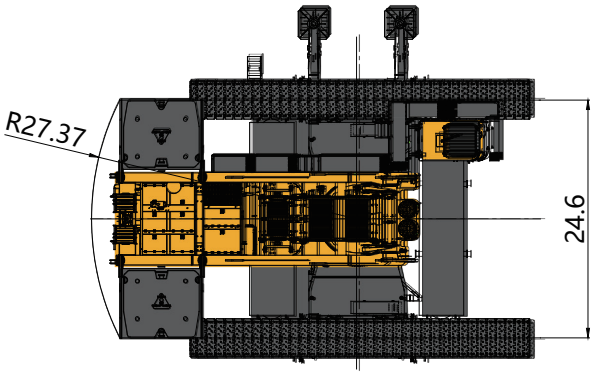




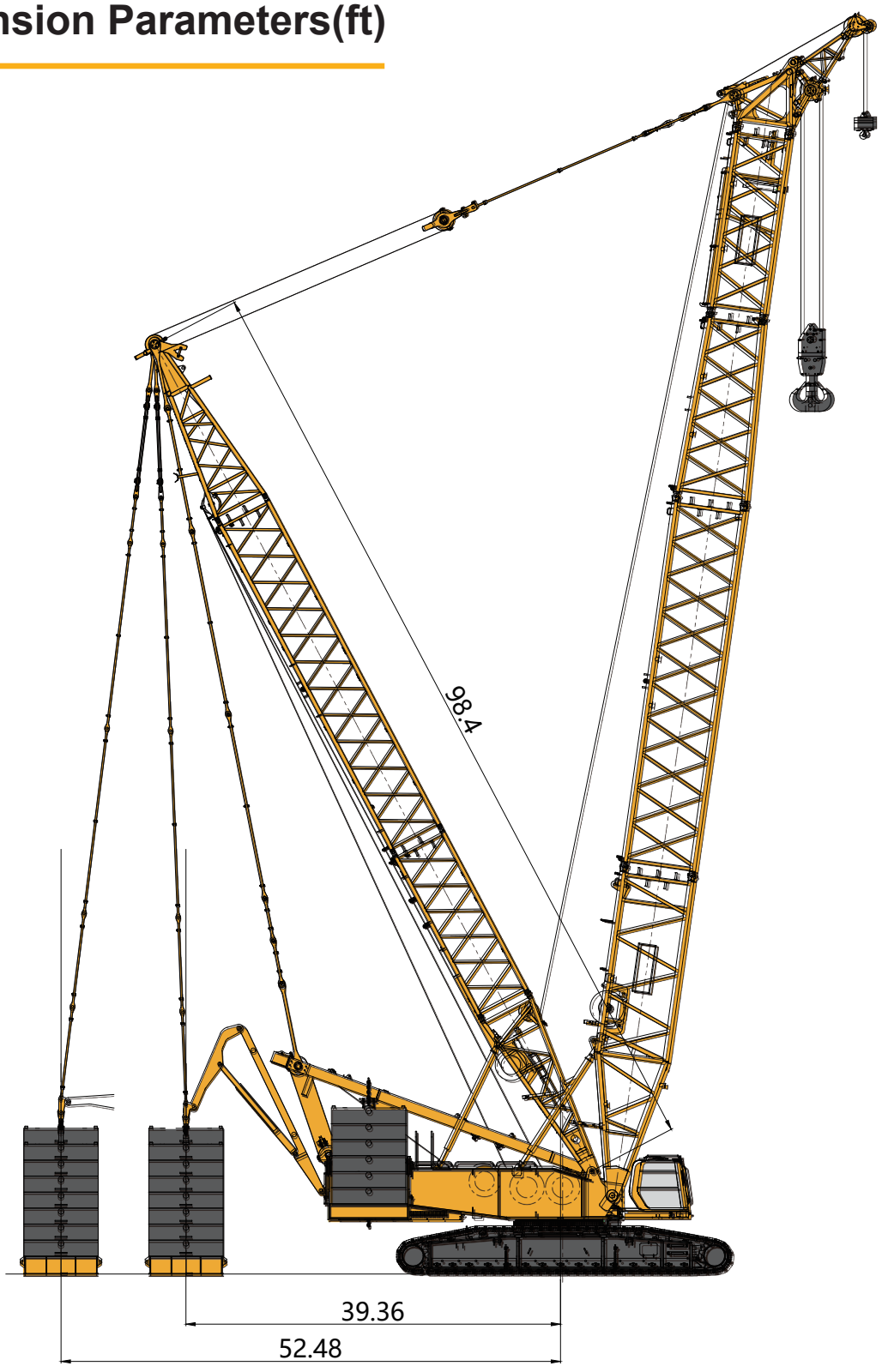
Dimension Parameters(ft)







Dimension Parameters(ft)



技术规格

Engine

- Model: Cummins X12
- Emission standard: Stage V
- Rated power: 450.6bhp/1800rpm.
- Fuel tank capacity: 198.1 US gal

Hydraulic System

- Features a hydraulically pilot-proportional controlled LUDV load sensing system for precise speed control, responsive operation, and exceptional fine motion capability. The main valve enables combined operations of multiple functions with its compact design and maintenance-friendly structure.
- Specialized closed-loop slewing system ensures smooth start/stop operations, excellent fine motion control, superior proportional response, and strong resistance to load variations - ideal for precision lifting applications.
- The system features automatic travel direction reversal, self-assembly/disassembly of counterweights, and self-assembly/disassembly of track frames.
- Maximum system pressure: 35MPa
- Hydraulic oil tank capacity: 198.1 US gal

Control system

- Control system: Utilizes a PLC programmable controller integrated with conventional electrical systems to perform logic control and electro-hydraulic proportional control functions. This enables automated crane operation, significantly enhancing operational safety, reliability, and efficiency.
- Monitor: Dual 10.4" color LCD screens for real-time monitoring of load moment indicator, engine parameters, load, boom length/angle, and other data.
- Operation: Electro-hydraulic proportional control enables simultaneous multi-function movements with precision positioning for all load types.

Car-body frame

- The frame features a box-type structure welded from high-strength steel plates, with transverse spacer plates integrated at the center to enhance torsional rigidity. It boasts a simple structure, superior manufacturability, exceptional bearing capacity, and high rigidity.

Operator's cab

- Design: The next-generation cab adopts a steel frame structure with tempered glass throughout, delivering both safety and an expanded field of view.
- Ergonomics: Fully ergonomic control layout with tiltable operator cab and adjustable seating.

  The visual area of the monitor is distributed within the optimal field of view. Featuring a footrest, air conditioner, audio system, fire extinguishing devices, and closed-circuit monitoring system, the space is designed for spaciousness and comfort.

Slewing system

- Slewing drive: The hydraulic motor and slewing bearing utilize an external meshing mechanism for slewing drive.
- Slewing brake: Equipped with a normally closed brake to achieve "spring-applied/hydraulic-release" functionality. Additionally, a mechanical slewing lock is installed for securing the slewing system.
- Speed control: Two slewing modes available - speed control or free slewing.
- Slewing bearing: The elliptical raceway double-row ball slewing bearing is adopted, which has high strength, large bearing moment, high precision, long service life and convenient maintenance.

Self-Assembly/Disassembly System

- Optional self-assembly system enables safe and rapid assembly/disassembly of crawler tracks, body, counterweight, and butt section.

Hoisting System

- Standard configuration includes main winch + auxiliary winch: Featuring an integrated planetary gear reducer and normally closed brake for "spring-applied/hydraulic-release" operation, ensuring safety and reliability. Splash lubrication system requires no maintenance.

Specification	Main winch wire rope	Auxiliary winch wire rope
Wire rope diameter	1.10 in	1.10 in
Wire rope length	2132.5 ft	2132.5 ft
Rated single-line pull	35.4 kip	35.4 kip

Luffing system

- Boom luffing mechanism: Mounted at the rear of the turntable via a pin shaft, this system utilizes a motor-driven planetary gear reducer to achieve boom luffing through the drum and luffing pulley assembly. The boom luffing system incorporates a planetary reducer and employs a normally closed brake to provide "spring-applied/hydraulic-release" functionality, ensuring safety and reliability. The boom luffing drum features a ratchet locking mechanism, where the pawl is actuated by a hydraulic cylinder to enable mechanical braking and multi-lock protection.
- Tower jib luffing system: Installed on the boom butt section, this mechanism includes a ratchet locking device with hydraulic cylinder-actuated pawls for multi-lock protection.

Specification	Boom luffing rope	Tower jib luffing rope
Wire rope diameter	1.0 in	1.0 in
Wire rope length	1706.0 ft	1706.0 ft

Counterweight

- Car-body counterweight: The total weight of the car-body counterweight is 88 kip, consisting of two 44 kip counterweight slabs.
- Slewing counterweight: It offers 330 kip/286 kip/242 kip configurations, each with dedicated load charts for tiered counterweight setups.

  The optional turntable counterweight composition is as follows:

  ① Turntable counterweight 330 kip: counterweight tray 2×33 kip, turntable counterweight 12×22 kip

  ② Turntable counterweight 286 kip: counterweight tray 2×33 kip, turntable counterweight 10×22 kip

  ③ Turntable counterweight 242 kip: counterweight tray 2×33 kip, turntable counterweight block 8×22 kip
- Superlift counterweight: The total superlift counterweight is 506 kip, consisting of 22×22 kip counterweight slabs (including 4 borrowed from the turntable counterweights).

Hook Block

- There are 8 types of hooks available, and the specific parameters are as follows:

Hook block lifting capacity	Weight	Number of pulleys
900 kip (optional)	14.9 kip	2×7
770 kip (optional)	13.6 kip	13
704 kip	13.2 kip	2×5
572 kip (optional)	10.1 kip	9
440 kip	9.2 kip	7
352 kip (optional)	8.5 kip	5
110 kip	5.5 kip	1
35.2 kip	4.1 kip	—

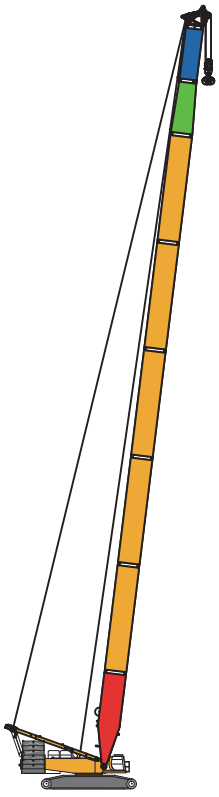
Safety devices

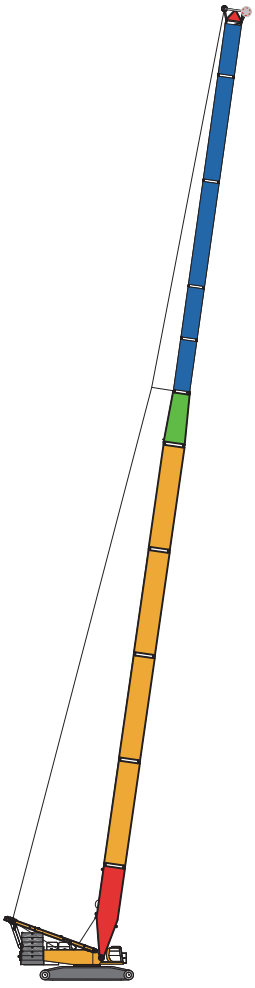
- The safety devices include the load moment indicator (LMI), over-winding prevention device for main and auxiliary lifting mechanisms, over-spooling prevention device for main and auxiliary lifting mechanisms, main luffing ratchet pawl device, angle limit for lifting boom, backstop system for lifting boom and jib, closed circuit monitoring system, height mark lamp, anemometer, electronic level gauge, lightning stroke protection system, buzzer and warning light, functional interlock, emergency function, fault self-diagnostic system and black box function, power-off protection, etc.

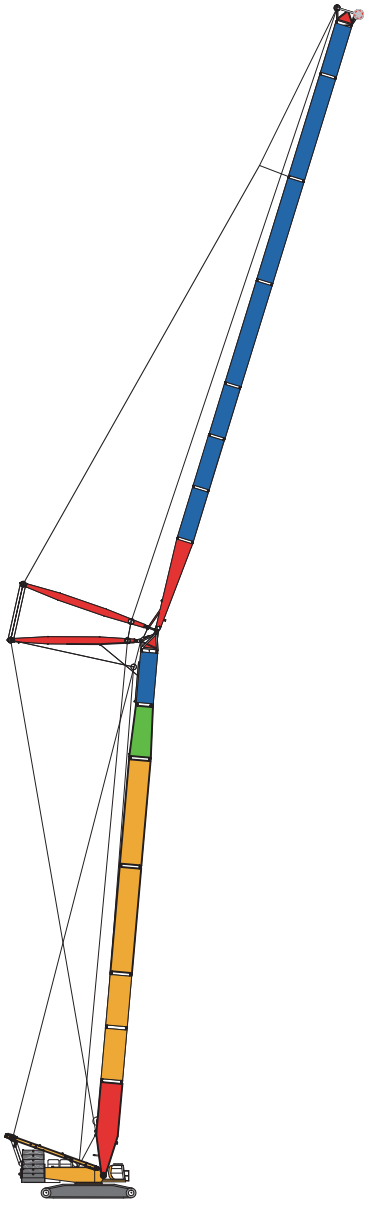
Main Technical Specifications

Item			Unit	Parameters
Maximum rated lifting capacity			kip	900
Maximum load moment			kip·ft	37,611.6
Dimension Parameters	Standard operation mode	Heavy-duty boom length	ft	78.7 ~ 275.6
		Light-duty boom length	ft	137.8 ~ 354.3
		Tower jib length	ft	78.7~236.2
	Superlift operation mode	Heavy-duty boom length	ft	118.1 ~ 315
		Light-duty boom length	ft	236.2 ~ 413.4
		Tower jib length	ft	78.7~275.6
Speed parameters	Maximum single-line hoisting speed		fpm	426.5
	Maximum single-line speed for boom luffing		fpm	2×162.3
	Maximum single-line speed for tower jib luffing		fpm	328.0
	Maximum single-line speed for superlift luffing		fpm	344.4
	Maximum slewing speed (no load)		rpm	1.1
	Maximum travel speed		mph	0.56
Mean ground pressure			MPa	0.146
Gradeability			%	20
Max. weight of single unit in transport state			kip	105.6
Max. transport dimension of single unit (L×W×H)			ft	37.7×9.8×11.1

Operation modes and lifting performance

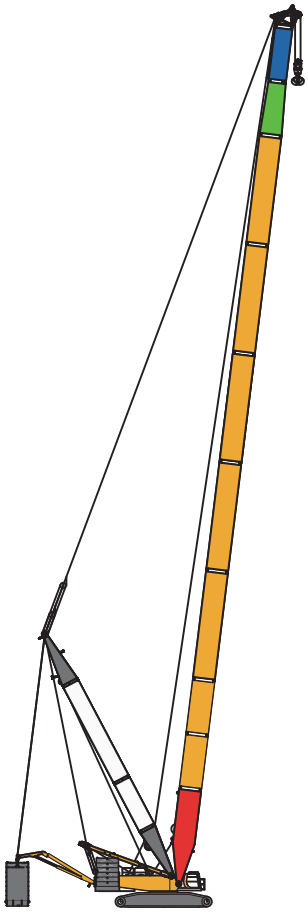


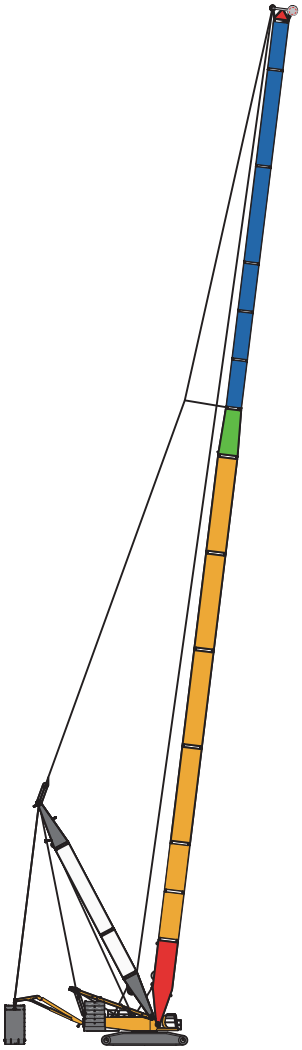


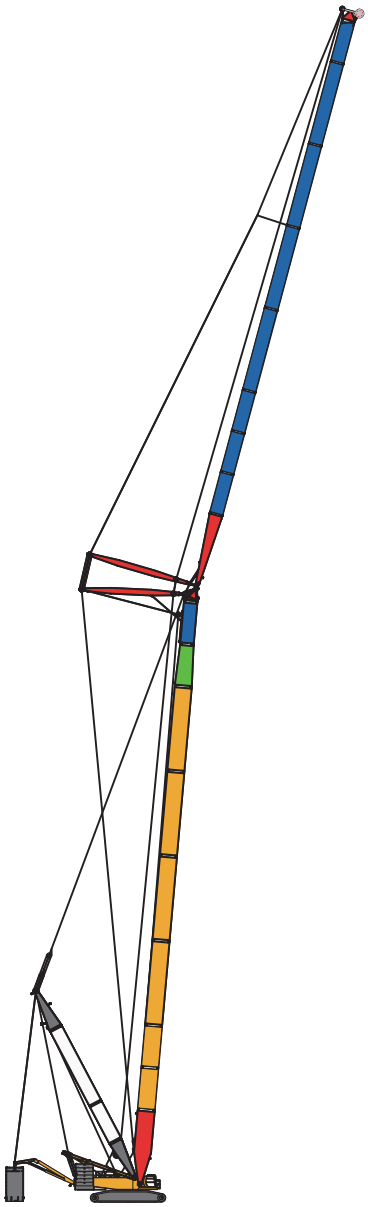


Standard heavy-duty boom HB	Standard light-duty boom LB	Standard tower jib HW
Main boom: 78.7 ~ 275.6 ft	Main boom: 137.8 ~ 354.3 ft	Jib: 78.7~236.2 ft

Operation modes and lifting performance



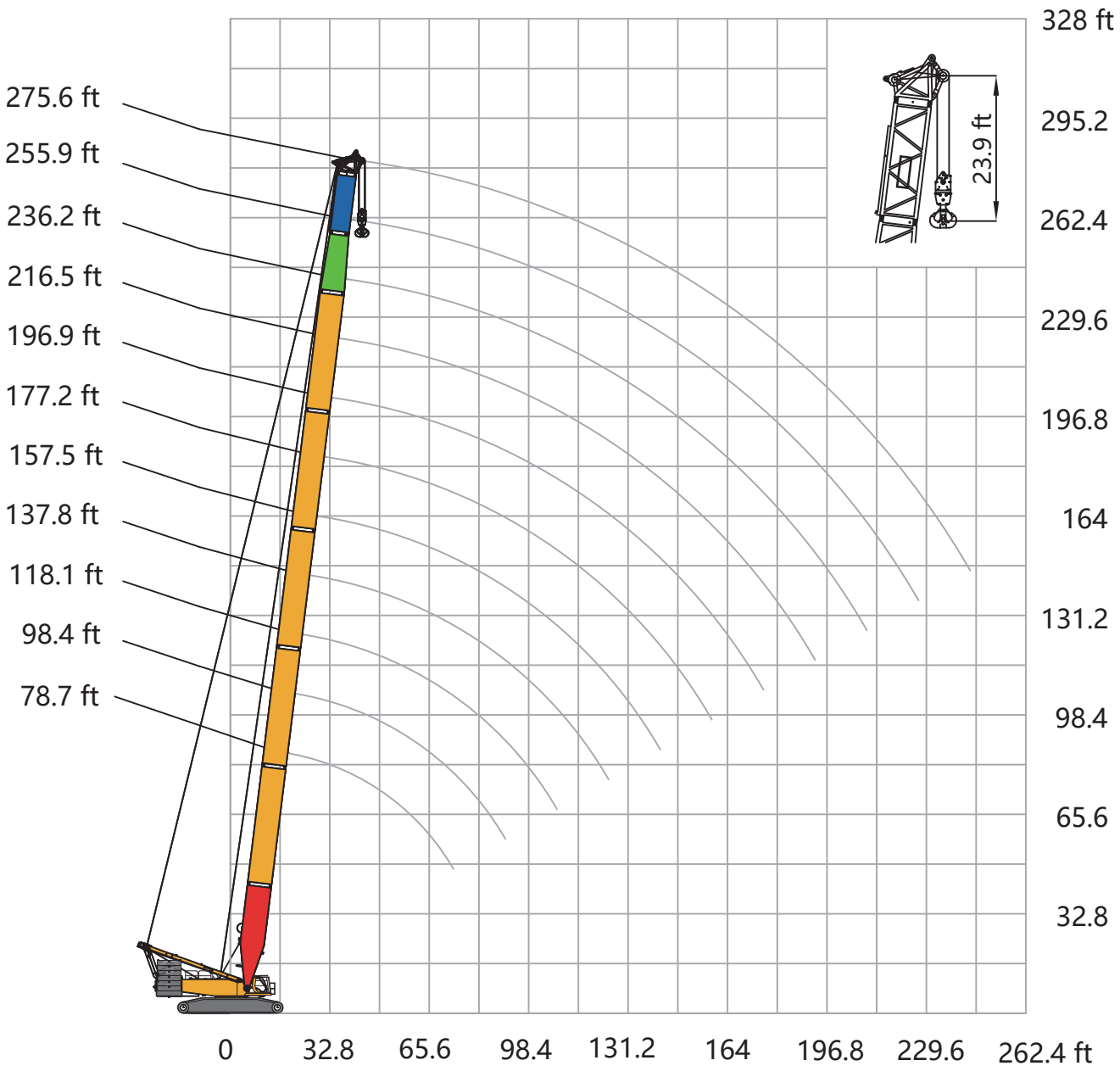




Superlift heavy-duty boom SHB	Superlift light-duty boom SLB	Superlift tower jib SHW
Main boom: 118.1 ~ 315 ft	Main boom:236.2 ~ 413.4 ft	Jib: 78.7~275.6 ft

HB

Heavy-duty boom operation mode



HB

Boom combination									
Boom length \ Boom combination code*	①	②	③	④	⑤	⑥	⑦	⑧	⑨
78.7	1					1	1	1	1
98.4	1	1				1	1	1	1
118.1	1		1			1	1	1	1
137.8	1	1	1			1	1	1	1
157.5	1		1	1		1	1	1	1
177.2	1	1	1	1		1	1	1	1
196.9	1	2	1	1		1	1	1	1
216.5	1	1	1	1	1	1	1	1	1
236.2	1	2	1	1	1	1	1	1	1
255.9	1	1	1	1	2	1	1	1	1
275.6	1	2	1	1	2	1	1	1	1

Note: For detailed product usage, refer to the Operation Manual.

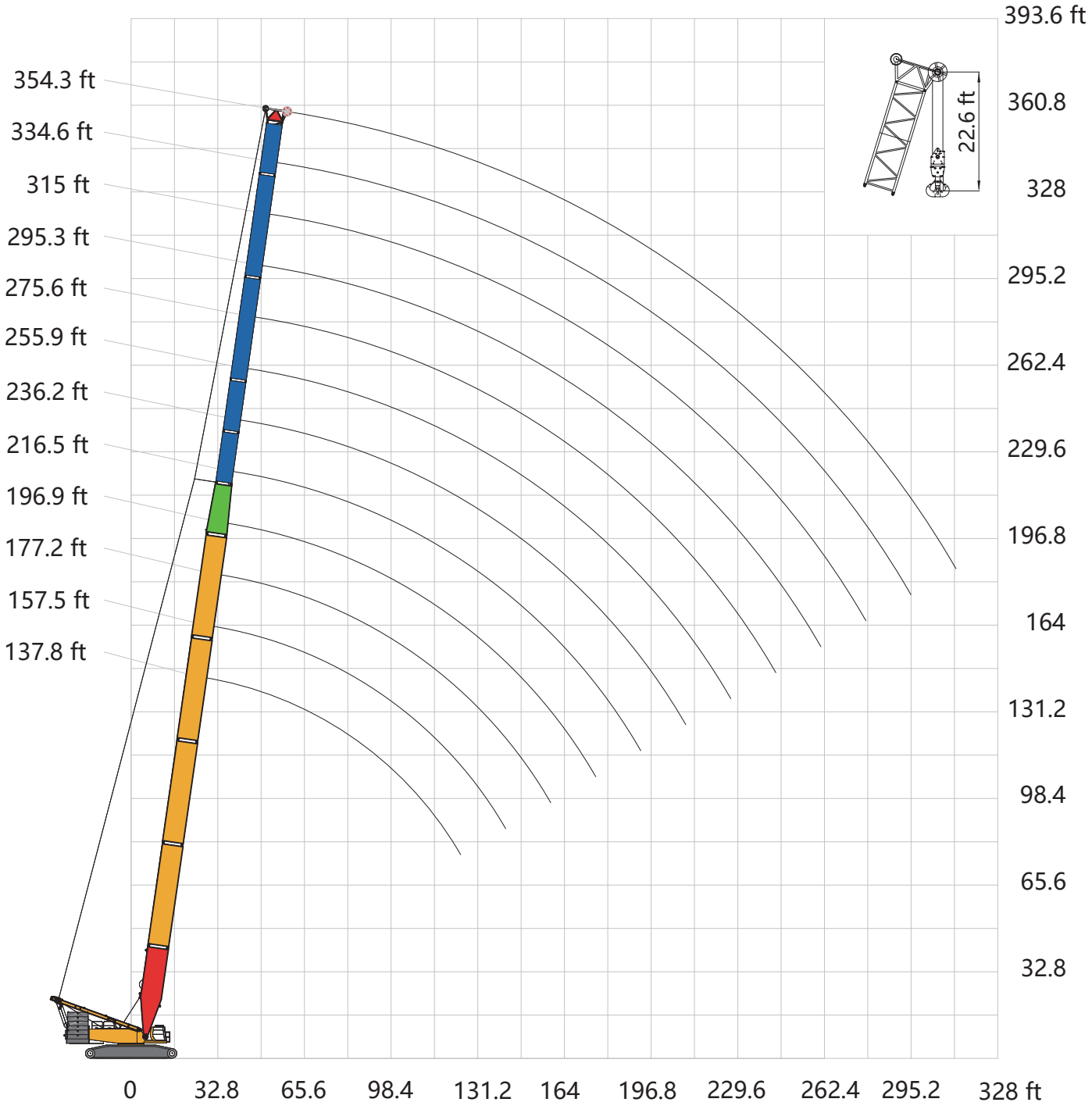
Main boom: 78.7~275.6 ft



m	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6
19.7	900										
23	787.1	784.8									
26.2	694.5	692.3	690								
29.5	608.5	606.3	601.9	571	529.1						
32.8	537.9	531.3	515.9	502.7	469.6	447.5					
39.4	401.2	401.2	401.2	392.4	383.6	366	350.5	337.3	324.1		
45.9	326.3	326.3	326.3	326.3	317.5	308.6	297.6	286.6	275.6	264.6	255.7
52.5	269	269	266.8	266.8	264.6	264.6	255.7	246.9	238.1	229.3	220.5
59.1	227.1	224.9	224.9	224.9	222.7	222.7	220.5	217.4	209.7	202.6	195.3
65.6	195.3	195.1	194.7	193.3	192.2	190.9	189.4	188.5	185.6	179.5	173.3
72.2	170.4	170.4	170	168.7	167.3	166	164.5	163.6	162	160.5	155
78.7		150.6	150.1	148.8	147.5	145.9	144.4	143.5	141.8	140.9	139.1
85.3		134.3	133.8	132.5	131.2	129.6	128.1	127	125.4	124.3	122.6
91.9		120.6	120.2	119	117.7	116	114.4	113.3	111.6	110.5	108.9
98.4			108.7	107.4	106	104.5	102.7	101.9	100.1	98.8	97.2
105			98.8	97.4	96.1	94.6	92.8	91.7	89.9	88.8	87.1
111.5				88.8	87.5	86	84.2	83.1	81.4	80.2	78.5
118.1				81.4	80	78.5	76.5	75.6	73.9	72.5	70.8
124.7				74.5	73.4	71.7	69.9	69	67	65.9	64.2
131.2					67.5	65.7	63.9	63.1	61.1	60	58
137.8					61.9	60.4	58.6	57.5	55.8	54.5	52.7
144.4						55.6	53.8	52.9	50.9	49.6	47.8
150.9						51.1	49.4	48.5	46.5	45.4	43.4
157.5						47.2	45.4	44.5	42.5	41.4	39.5
164							41.9	40.8	39	37.7	35.9
170.6							38.4	37.5	35.7	34.4	32.6
177.2							35.3	34.4	32.6	31.3	29.5
183.7								31.5	29.8	28.4	26.7
190.3								28.9	27.1	25.8	24
196.9									24.5	23.4	21.6
203.4									22.3	21.2	19.2
210									20.1	19	17.2
216.5										17	15
223.1										15	13.2
229.7											11.5

LB

Light-duty boom operation mode



LB

Boom combination											
Boom combination code* / Boom length	①	②	③	④	⑤	⑥	(11)	(12)	(13)	(14)	(15)
137.8	1		1			1	1				1
157.5	1	1	1			1	1				1
177.2	1		1	1		1	1				1
196.9	1		1	1		1	1	1			1
216.5	1	1	1	1		1	1	1			1
*236.2	1	1	1	1		1			1		1
*255.9	1		1	1	1	1	1		1		1
*275.6	1		1	1	1	1	1	1		1	1
*295.3	1	1	1	1	1	1	1	1		1	1
*315	1	1	1	1	1	1	1		1	1	1
*334.6	1		1	1	2	1	1		1	1	1
*354.3	1		1	1	2	1	1	1	1	1	1

Note: For detailed product usage, refer to the Operation Manual.

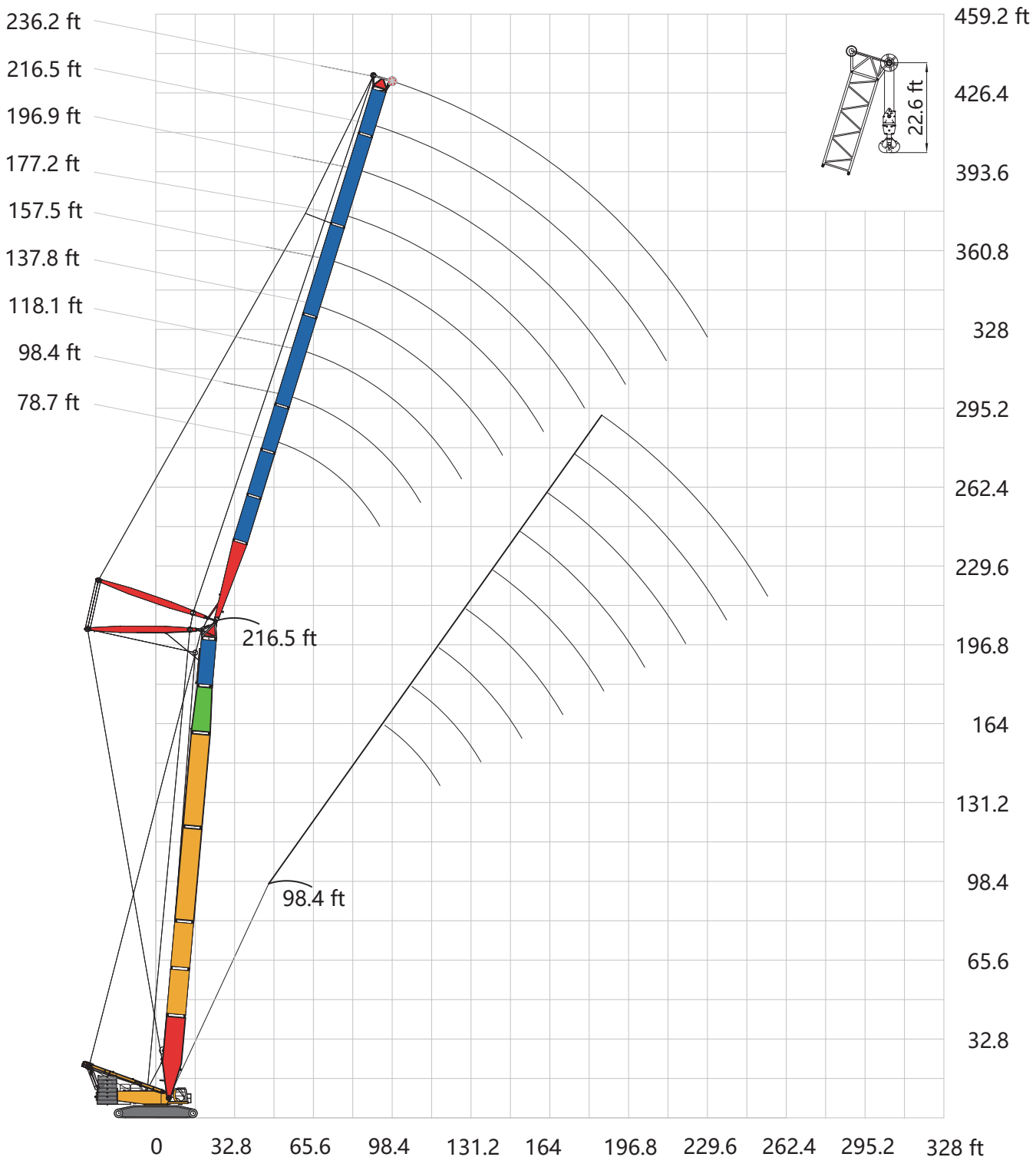
Main boom: 137.8~354.3 ft



m	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315	334.6	354.3
29.5	485	478.4										
32.8	460.8	458.6	432.1									
39.4	394.6	379.2	363.8	350.5	337.3	317.5						
45.9	321.9	315.3	308.6	297.6	286.6	277.8	269	242.5	229.3			
52.5	271.2	264.6	262.4	257.9	249.1	242.5	233.7	227.1	216.1	187.8	168.7	
59.1	231.5	229.3	227.1	222.7	219.4	215	208.1	202.4	195.8	175.5	164.5	136.2
65.6	201.5	200.2	198.9	196	192.2	189.6	186.1	181.2	178.8	170.4	153.9	132.7
72.2	176.8	175.5	174.2	173.9	170.4	168.2	165.3	162.7	157.9	153.9	149	129.4
78.7	157	155.6	154.3	153.9	152.3	150.6	147.9	145.7	142.9	139.8	135.4	126.1
85.3	140.9	139.6	138	137.6	136	135.6	133.4	131.6	128.7	126.8	123.5	119.9
91.9	127.4	125.9	124.6	124.1	122.4	121.9	120.6	119.5	116.8	115.1	112.4	109.8
98.4	116	114.4	113.1	112.4	110.9	110.2	109.1	108.5	106.5	104.9	102.5	100.5
105	106	104.5	103.2	102.7	101	100.3	99.2	98.5	97	95.9	93.7	91.7
111.5	97.4	95.9	94.6	94.1	92.4	91.7	90.6	89.9	88.2	87.7	86	84.2
118.1	89.9	88.4	87.1	86.4	84.7	84.2	82.9	82.5	80.7	80	78.7	77.4
124.7	83.1	81.8	80.5	79.8	78	77.6	76.3	75.6	74.1	73.4	71.9	71
131.2		75.8	74.5	74.1	72.1	71.7	70.3	69.7	67.9	67.5	65.9	64.8
137.8		70.5	69.2	68.6	66.8	66.4	65	64.4	62.6	62.2	60.6	59.5
144.4			64.4	63.9	62.2	61.5	60.2	59.7	57.8	57.3	55.8	54.7
150.9			60	59.5	57.8	57.3	56	55.3	53.6	52.9	51.4	50.3
157.5			56	55.6	53.8	53.4	52	51.4	49.6	48.9	47.4	46.3
164				52	50	49.6	48.3	47.8	45.9	45.2	43.9	42.8
170.6				48.7	46.7	46.3	45	44.3	42.5	41.9	40.6	39.5
177.2				45.4	43.7	43.2	42.1	41.4	39.5	38.8	37.5	36.4
183.7					41	40.6	39.2	38.6	36.8	36.2	34.6	33.5
190.3					38.4	37.9	36.6	35.9	34.2	33.5	32	30.9
196.9						35.5	34.2	33.5	31.7	31.1	29.5	28.4
203.4						33.1	31.7	31.3	29.3	28.7	27.3	26.2
210						30.9	29.8	29.1	27.3	26.7	25.1	24
216.5							27.8	27.1	25.4	24.7	23.1	22
223.1							25.8	25.1	23.4	22.7	21.2	20.3
229.7								23.4	21.6	20.9	19.4	18.5
242.8								20.3	18.3	17.9	16.3	15.2
255.9									15.4	15	13.4	12.3

HW

Standard tower jib operation mode



HW

Boom combination							
Boom length \ Boom combination code*	①	②	③	④	⑥	⑦	⑧
98.4	1	1			1	1	1
118.1	1		1		1	1	1
137.8	1	1	1		1	1	1
157.5	1		1	1	1	1	1
177.2	1	1	1	1	1	1	1
196.9	1	2	1	1	1	1	1

Boom support assembly							
Boom length \ Boom combination code*	(10)	(11)	(12)	(13)	(14)	(15)	(16)
78.7	1	1				1	
98.4	1	1	1			1	
118.1	1	1		1		1	
137.8	1	1	1	1		1	
157.5	1	1	2	1		1	
177.2	1	1	1	1		1	1
196.9	1	1	2	1		1	1
216.5	1	1	1	1	1	1	1
236.2	1	1	2	1	1	1	1

Note: For detailed product usage, refer to the Operation Manual.

Main boom:98.4~118.1 ft Job: 78.7~236.2 ft



m	98.4									118.1								
	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2
45.9	330.7									308.6								
52.5	282.2	271.2	262.4							271.2	262.4							
59.1	244.7	240.3	233.7	227.1						240.3	233.7	224.9	219.6					
65.6	216.9	213.4	209.9	204.8	198.6					213.6	210.1	204.4	198.2	192				
72.2	194	190.9	188.1	184.7	180.6	175.5				191.4	188.3	185	180.3	174.6	170			
78.7	173.1	172.6	170	167.1	164	160.7	155.9	136.9		172.6	170.2	167.6	164.5	160.3	155.9	150.8		
85.3	155.9	155.6	154.8	152.1	149.5	147	143.3	136.2	115.7	155.4	155	152.8	150.1	147.3	143.5	139.1	129.9	110.9
91.9		141.3	140.9	139.6	136.9	134.7	132.1	129.4	115.1		140.9	140	137.6	135.1	132.9	129	125.7	110
98.4		129.2	128.7	127.9	126.1	124.3	121.7	119.7	114		128.7	128.3	127	124.6	122.6	119.7	116.6	109.3
105			118.4	117.5	116.2	115.1	112.4	110.9	108.9		118.2	117.9	117.1	115.5	113.5	111.1	108.9	105.6
111.5			109.3	108.5	107.4	106.5	104.7	103	101			108.9	108	106.7	105.6	103.2	101.6	98.8
118.1			101.4	100.8	99.4	98.5	97	95.9	94.1			101	100.3	99	98.1	96.3	94.8	92.6
124.7				93.7	92.6	91.7	90.2	89.3	88				93.3	92.2	91.3	89.7	88.4	86.6
131.2				87.5	86.4	85.5	84	83.1	82				87.1	86	85.1	83.6	82.7	81.1
137.8				81.8	80.7	80	78.5	77.6	76.5				81.4	80.5	79.6	78	77.2	75.8
144.4					75.8	75	73.4	72.8	71.4					75.4	74.5	73	72.3	71
150.9					71.2	70.5	69	68.1	67					70.8	70.1	68.6	67.7	66.6
157.5						66.4	64.8	64.2	62.8						65.9	64.6	63.7	62.4
164						62.4	61.1	60.4	59.1						62.2	60.8	60	58.6
170.6						59.1	57.5	56.9	55.8						58.6	57.3	56.4	55.3
177.2							54.5	53.8	52.5							54	53.4	52.2
183.7							51.4	50.7	49.6							51.1	50.5	49.2
190.3								48.1	47							48.3	47.6	46.5
196.9								45.4	44.3								45.2	44.1
203.4								43	41.9								42.8	41.7
210									39.7									39.5
216.5									37.7									37.3
223.1									35.7									

Main boom: 137.8~157.5 ft Job: 78.7~236.2 ft



m	137.8									157.5								
	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2
45.9	297.6																	
52.5	260.1	251.3								251.3	242.5							
59.1	231.5	224.9	218.9							222.7	217.4	211						
65.6	209.9	203.5	197.5	191.6	185.6					202.6	196.4	190.7	184.7					
72.2	188.3	185	179.9	174.4	169.1	164.5				184.5	179	173.9	168.7	163.6				
78.7	170.4	167.6	164.9	160.1	155.2	150.8	144.8			167.8	164	159.6	154.8	150.1	145.9	136		
85.3	154.8	153	150.4	147.5	143.3	139.3	134.7	123		153.2	150.6	147.3	143.1	138.7	134.7	130.3	116.2	
91.9		140.2	138.2	135.8	132.7	129.2	125	121.7	104.9		138.5	136.2	132.7	128.5	125	120.8	115.7	99.6
98.4		128.3	127.6	125.4	122.8	120.2	116.2	113.1	104.5		127.6	125.9	123.5	119.7	116.4	112.4	109.3	99.2
105		117.7	117.5	116.2	114	112	108.5	105.6	102.3		117.3	116.8	114.6	112	108.9	105.2	102.3	98.5
111.5			108.5	107.6	106	104.3	101.6	98.8	95.7			107.8	106.7	104.5	101.9	98.5	95.7	92.6
118.1			100.5	99.6	98.5	97.2	95	92.8	89.9			100.1	99.2	97.7	95.9	92.4	89.9	87.1
124.7				92.8	91.5	90.6	88.8	87.3	84.7			93	92.2	91.1	89.7	87.1	84.7	81.8
131.2				86.6	85.5	84.7	82.9	81.8	79.6				86	84.9	84	82	79.8	77.2
137.8				80.9	80	79.1	77.6	76.7	75.2				80.5	79.4	78.5	76.9	75.4	72.8
144.4					75	74.1	72.5	71.9	70.5					74.5	73.6	72.1	71.2	68.8
150.9					70.3	69.7	68.1	67.2	66.1					69.9	69.2	67.7	66.8	65
157.5					66.4	65.5	64.2	63.3	61.9					65.9	65	63.5	62.8	61.5
164						61.7	60.4	59.5	58.2						61.3	60	59.1	57.8
170.6						58.2	56.9	56.2	54.9						58	56.4	55.6	54.5
177.2							53.8	52.9	51.8							53.4	52.5	51.4
183.7							50.7	50	48.9							50.5	49.6	48.3
190.3							48.1	47.4	46.1							47.6	47	45.6
196.9								44.8	43.7								44.5	43.2
203.4								42.5	41.2								42.1	41
210									39								39.9	38.8
216.5									37									36.6
223.1									35.1									34.8

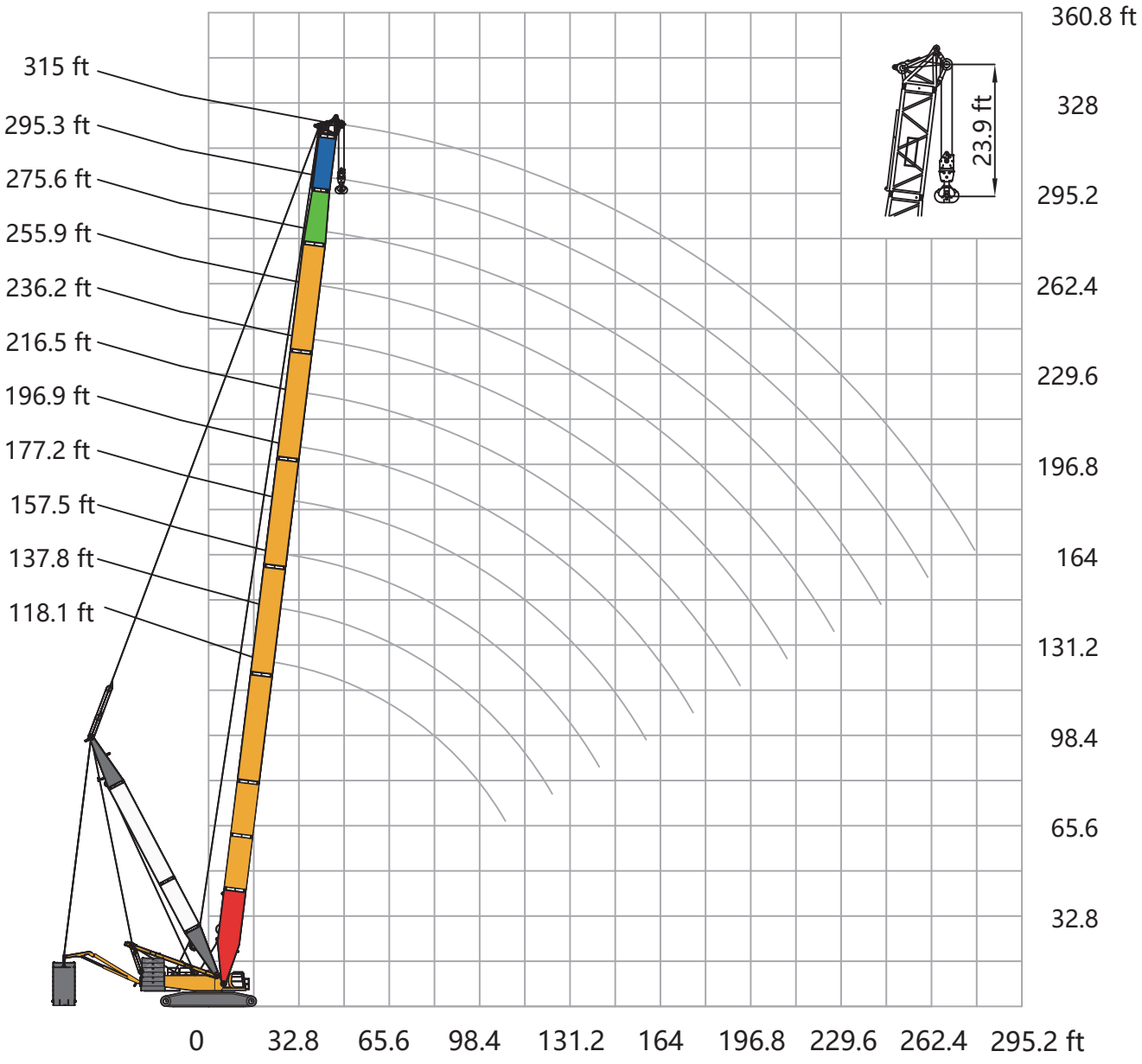
Main boom: 177.2~36 ft Job: 78.7~236.2 ft



m	177.2									60								
	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2
52.5	240.3									231.5								
59.1	216.3	209.2	203							208.1	201.5							
65.6	195.6	189.4	184.1	178.1						188.3	182.5	177.3	171.5					
72.2	178.1	172.8	167.8	162.9	157.6					172	166.9	161.8	157	151.9				
78.7	163.8	158.7	154.3	149.7	145.1	140.9				158.1	153.4	149	144.4	140	134.9			
85.3	150.8	146.8	142.6	138.2	134	130.3	125.9	109.3		146.2	141.8	137.8	133.4	129.4	125.7	117.5		
91.9	138.7	136.2	132.5	128.5	124.3	120.8	116.6	108.9	94.4	136	131.8	128.1	124.1	120.2	116.6	112.4	101.9	88.8
98.4		126.1	123.5	119.7	115.7	112.7	108.9	105.8	93.9		122.8	119.5	115.7	112	108.9	104.9	99.6	88.2
105		116.6	115.3	112.2	108.5	105.4	101.6	98.8	93.3		115.3	112	108.5	104.9	101.9	98.1	95.2	86.9
111.5			107.1	105.2	101.9	98.8	95	92.6	89.5		106.9	105.2	101.9	98.5	95.5	91.7	89.3	83.8
118.1			99.4	98.5	95.7	92.8	89.5	87.1	84			98.8	95.7	92.6	89.7	86.4	84	80.9
124.7			92.6	91.7	90.2	87.7	84.2	81.8	78.9			91.7	90.4	87.3	84.7	81.1	78.9	76.1
131.2				85.5	84.2	82.7	79.6	77.4	74.3				84.9	82.5	80	76.7	74.3	71.7
137.8				80	78.9	77.8	75.2	73	70.3				79.4	78	75.6	72.5	70.5	67.7
144.4				75	73.9	73	71	69	66.6				74.5	73.2	71.7	68.8	66.6	63.9
150.9					69.4	68.6	67	65.5	63.1					68.8	67.9	65	63.3	60.4
157.5					65.3	64.6	63.1	62.2	59.7					64.8	63.9	61.9	60	57.3
164						60.8	59.3	58.4	56.7						60.2	58.6	57.1	54.5
170.6						57.5	56	55.1	53.8						56.9	55.3	54	51.8
177.2						54.2	52.9	52	50.7						53.8	52.2	51.4	49.2
183.7							50	49.2	47.8							49.4	48.7	46.7
190.3							47.2	46.5	45.2							46.7	46.1	44.5
196.9								44.1	42.8							44.3	43.4	42.3
203.4								41.7	40.6								41.2	39.9
210								39.5	38.4								39	37.7
216.5									36.2									35.7
223.1									34.4									34
229.7									32.6									32.2

SHB

Superlift heavy-duty boom operation mode

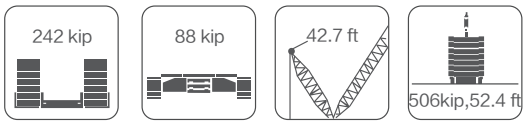


SHB

Boom combination									
Boom length \ Boom combination code*	①	②	③	④	⑤	⑥	⑦	⑧	⑨
118.1	1		1			1	1	1	1
137.8	1	1	1			1	1	1	1
157.5	1		1	1		1	1	1	1
177.2	1	1	1	1		1	1	1	1
196.9	1	2	1	1		1	1	1	1
216.5	1	1	1	1	1	1	1	1	1
236.2	1	2	1	1	1	1	1	1	1
255.9	1	1	1	1	2	1	1	1	1
275.6	1	2	1	1	2	1	1	1	1
295.3	1	1	2	1	2	1	1	1	1
315	1	2	2	1	2	1	1	1	1

Note: For detailed product usage, refer to the Operation Manual.

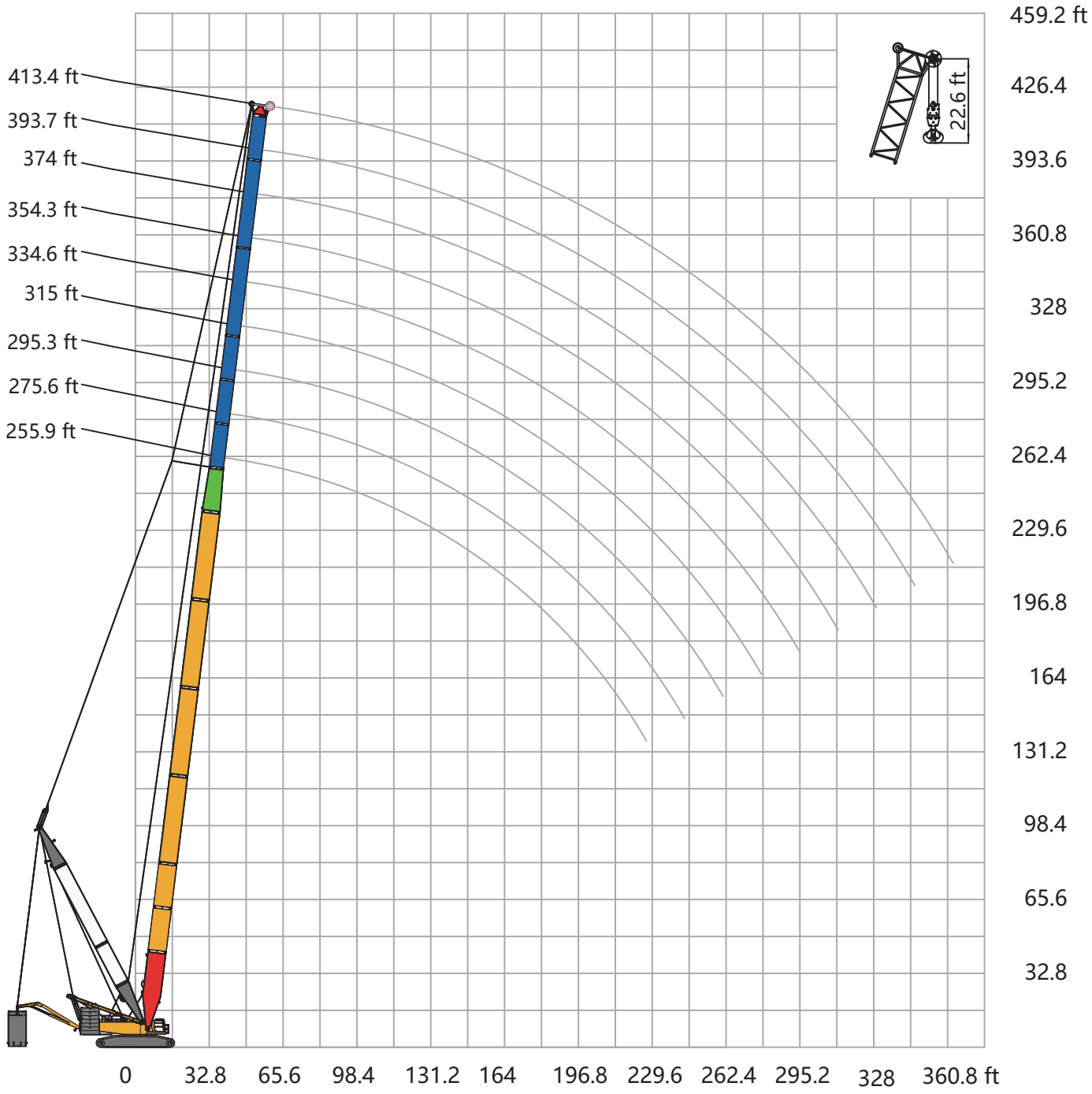
Main boom: 118.1~315 ft



m	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	295.3	315
26.2	900*										
29.5	881.8*	881.8*	881.8*								
32.8	881.8*	881.8*	864.2*	776*							
39.4	846.6*	881.8*	846.6*	776*	718.7*	619.5*	533.5*				
45.9	809.1	846.6*	820.1	745.2*	718.7*	619.5*	533.5*	447.5*	383.6*	330.7*	
52.5	698.9	809.1	707.7	714.3	692.3	619.5*	533.5*	447.5*	383.6*	330.7*	288.8*
59.1	615.1	698.9	630.5	628.3	626.1	599.7	533.5*	447.5*	383.6*	330.7*	288.8*
65.6	564.4	615.1	560	560	557.8	557.8	533.5	447.5*	383.6*	330.7*	288.8*
72.2	502.7	564.4	504.9	504.9	502.7	500.4	520.3	447.5	383.6*	330.7*	288.8*
78.7	449.7	502.7	458.6	458.6	456.4	454.2	471.8	447.5	383.6	330.7*	288.8*
85.3	405.7	449.7	421.1	418.9	416.7	432.1	432.1	429.9	383.6	330.7*	288.8*
91.9	368.2	405.7	388	401.2	399	399	396.8	394.6	381.4	330.7	286.6*
98.4	332.9	368.2	370.4	368.2	366	366	363.8	363.8	361.6	328.5	284.4*
105	304.2	332.9	339.5	339.5	337.3	337.3	335.1	335.1	332.9	326.3	282.2
111.5		304.2	315.3	315.3	313.1	313.1	310.9	308.6	308.6	306.4	282.2
118.1			293.2	293.2	291	291	288.8	286.6	286.6	284.4	280
124.7			271.2	273.4	271.2	271.2	269	269	266.8	264.6	262.4
131.2			251.3	255.7	253.5	253.5	251.3	251.3	249.1	246.9	244.7
137.8			231.5	240.3	238.1	238.1	235.9	235.9	233.7	231.5	229.3
144.4				227.1	224.9	224.9	222.7	220.5	220.5	218.9	217.2
150.9				213.6	213	212.3	210.8	209.7	207.9	206.4	204.4
157.5				199.1	201.5	200.8	199.3	198.2	196.4	194.7	192.9
164					190.9	190.3	188.7	187.6	185.8	184.3	182.3
170.6					181.2	180.6	179	178.1	176.4	174.6	172.8
177.2					172	171.7	170.2	169.1	167.3	165.8	163.8
183.7						163.6	162	160.9	159.2	157.6	155.6
190.3						155.9	154.3	153.4	151.7	149.9	148.2
196.9							147.3	146.4	144.6	142.9	140.9
203.4							140.7	139.8	138	136.2	134.5
210							134.5	133.6	131.8	130.1	128.3
216.5								127.6	126.1	124.3	122.4
223.1								122.4	120.6	118.8	117.1
229.7									115.5	113.8	112
242.8									106	104.5	102.7
255.9										96.1	94.4
269											86.9

SLB

Superlift light-duty boom operation mode

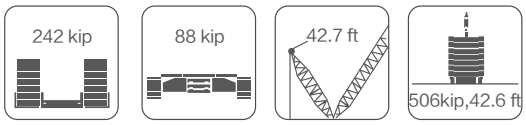


SLB

Boom combination											
Boom length \ Boom combination code*	①	②	③	④	⑤	⑥	(11)	(12)	(13)	(14)	(15)
236.2	1	1		1	2	1	1				1
255.9	1			1	2	1	1				1
*275.6	1	1	1	1	2	1	1				1
*295.3	1	1	1	1	2	1	1	1			1
*315	1	2	1	1	2	1	1	1			1
*334.6	1	2	1	1	2	1	1		1		1
*354.3	1	2	1	1	2	1	1	1	1		1
*374	1	2	1	1	2	1	1		1	1	1
*393.7	1	2	1	1	2	1	1	1	1	1	1
*413.4	1	2	1	1	2	1	1	2	1	1	1

Note: The length of the tower jib marked with "*" requires auxiliary bracing. See the Operation Manual for detailed usage instructions of the product.

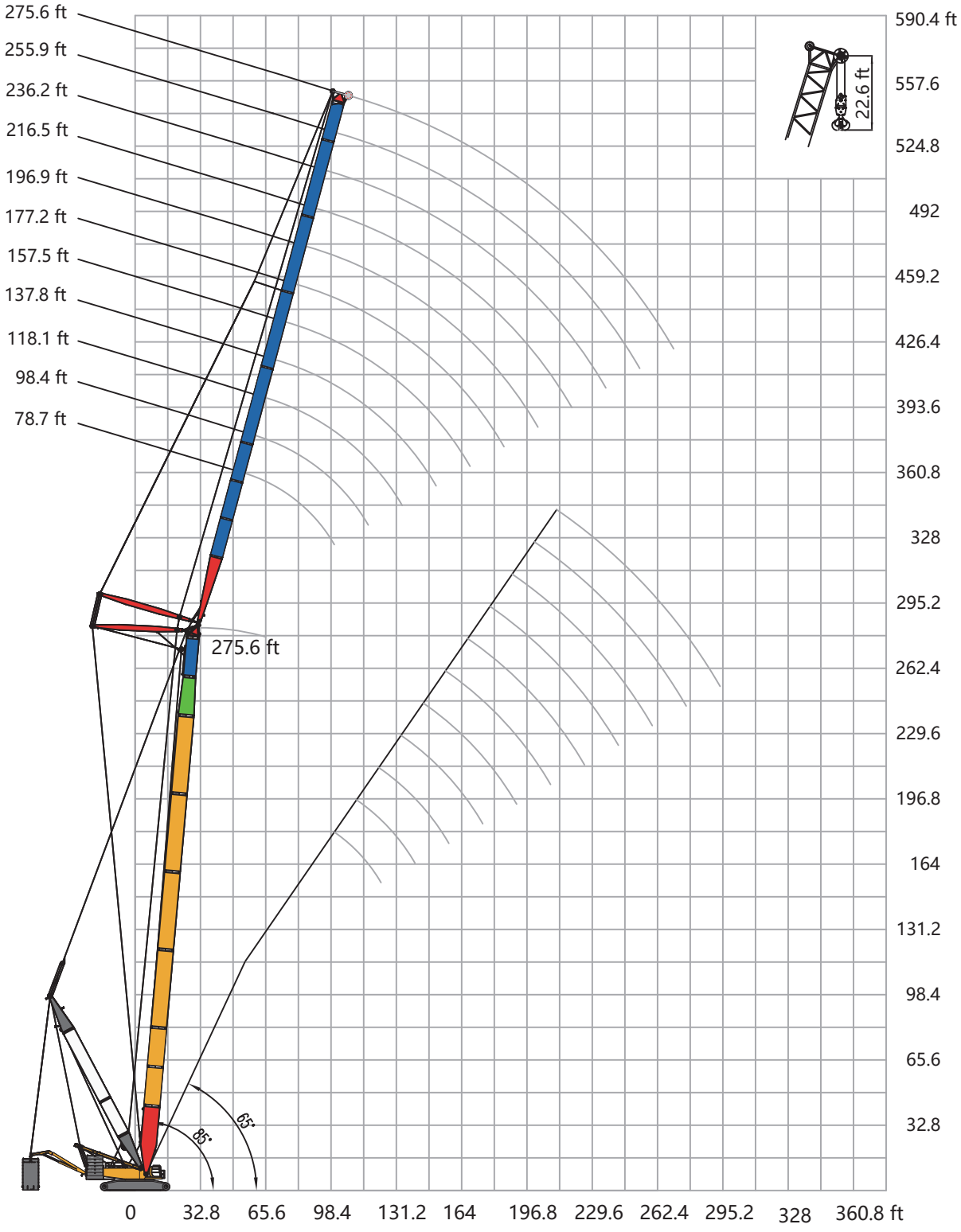
Main boom: 236.2~413.4 ft



m	236.2	255.9	275.6	295.3	315	334.6	354.3	374	393.7	413.4
39.4	476.2*									
45.9	476.2*	425.5*	370.4*	313.1*						
52.5	476.2*	423.3*	370.4*	313.1*	275.6*	235.9*				
59.1	476.2*	423.3*	370.4*	304.2*	275.6*	233.7*	201.5*	172.2*	148.4*	
65.6	476.2*	421.1*	368.2*	297.6*	273.4*	233.7*	200.4*	171.1*	147.3*	127.4*
72.2	476.2	418.9*	368.2*	291*	273.4*	231.5*	199.3*	170*	146.2*	126.3*
78.7	471.8	416.7	366*	284.4*	271.2*	231.5*	198.2*	168.9*	145.1*	125.2*
85.3	432.1	412.3	363.8	275.6*	271.2*	229.3*	195.3*	167.6*	143.7*	121.7*
91.9	405.7	403.4	361.6	271.2*	269*	229.3*	190.5*	165.1*	138.7*	118.4*
98.4	372.6	372.6	359.4	264.6*	266.8*	227.1*	185.6*	161.2*	134.9*	115.1*
105	343.9	343.9	341.7	255.7*	264.6*	224.9*	181.2*	157.2*	132.9*	111.8*
111.5	319.7	317.5	315.3	246.9*	260.1	222.7*	176.6*	153.2*	127.9*	108.7*
118.1	297.6	295.4	293.2	240.3	253.5	220.2*	172.2*	151.7*	124.1*	105.8*
124.7	277.8	275.6	273.4	231.5	249.1	215.8*	167.8*	145.5*	121*	103*
131.2	260.1	260.1	257.9	224.9	244.7	210.8	163.4*	142*	117.7*	100.1*
137.8	244.7	244.7	242.5	220.5	238.1	207.5	159.6*	138.5*	114.6*	97.4*
144.4	231.5	229.3	227.1	214.7	224.9	203.3	155.9*	134.9*	111.8*	94.8*
150.9	219.8	218.3	216.1	209.4	213.6	199.3	151.9*	131.8*	108.9*	92.4*
157.5	208.3	206.8	204.6	203.9	202.2	195.6	148.6*	128.7*	106.3*	89.9*
164	197.8	196.2	194.2	193.3	191.6	191.4	145.1*	125.4*	103.6*	87.7*
170.6	188.1	186.7	184.5	183.9	181.9	181.7	140.7*	122.8*	101.2*	85.5*
177.2	179.2	177.7	175.7	174.8	173.1	172.8	139.1	120.2*	98.8*	83.6*
183.7	171.1	169.5	167.3	166.7	164.9	164.7	136	117.7*	96.6*	81.6*
190.3	163.4	162	159.8	159.2	157.2	157.2	133.2	115.1*	94.4*	79.8*
203.4	149.7	148.4	146.2	145.5	143.7	143.5	127.4	110.5	90.4*	75.6*
216.5		136.2	134.3	133.6	131.8	131.6	122.6	106.7	86.6*	72.1*
229.7			123.7	123	121.3	121	118.4	102.7	82.9*	68.8*
242.8			114.4	113.8	112	111.8	110.9	99.4	79.6*	65.7*
255.9				105.4	103.6	103.4	102.7	96.3	76.9	63.3*
269					96.1	95.9	95.2	93.9	74.5	60.8*
282.2						89.3	88.4	88.2	72.3	58.9*
295.3						83.1	82.2	82.2	70.8	57.1
308.4							76.7	76.5	69.4	55.8
321.5								71.4	68.3	54.5
334.6									65.7	53.6
347.8									61.3	53.1
360.9										52.9

SHW

Standard tower jib operation mode



SHW

Boom combination

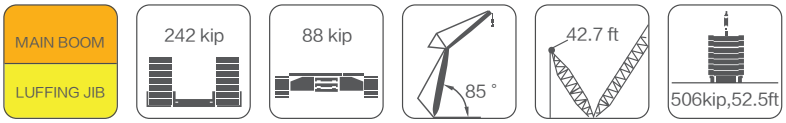
Boom length \ Boom combination code*	①	②	③	④	⑤	⑥	⑦	⑧
118.1	1		1			1	1	1
137.8	1	1	1			1	1	1
157.5	1		1	1		1	1	1
177.2	1	1	1	1		1	1	1
196.9	1	2	1	1		1	1	1
216.5	1	1	1	1	1			
236.2	1	2	1	1	1			
255.9	1	1	1	1	2			
275.6	1	2	1	1	2			

Boom support assembly

Boom length \ Boom combination code*	(10)	(11)	(12)	(13)	(14)	(15)	(16)
78.7	1	1				1	
98.4	1	1	1			1	
118.1	1	1		1		1	
137.8	1	1	1	1		1	
157.5	1	1	2	1		1	
177.2	1	1	1	1		1	1
196.9	1	1	2	1		1	1
216.5	1	1	1	1	1	1	1
236.2	1	1	2	1	1	1	1
255.9	1	1	1	1	2	1	1
275.6	1	1	2	1	2	1	1

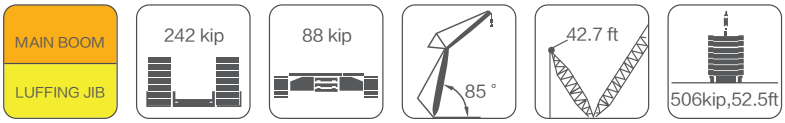
Note: For detailed product usage, refer to the Operation Manual.

Main boom: 118.1~137.8 ft
Job: 78.7~275.6 ft



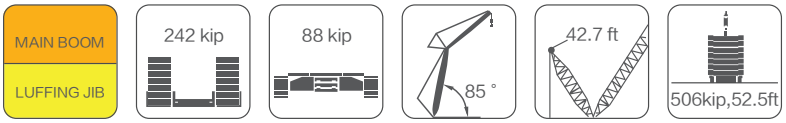
m	118.1											137.8										
	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6
45.9	485*											463*										
52.5	485*	412.3*										458.6*	385.8*									
59.1	465.2*	410.1*	339.5*	280*								421.1*	370.4*	319.7*								
65.6	401.2*	381.4*	332.9*	280*	229.3*							381.4*	346.1*	304.2*	260.1*	215.6*						
72.2	350.5*	350.5*	313.1*	273.4*	229.3*	189.8*						343.9*	317.5*	286.6*	253.5*	215.4*	179.2*					
78.7	313.1*	315.3*	293.2*	260.1*	227.1*	188.9*	161.6*					306.4*	291*	266.8*	240.3*	212.5*	178.8*	153.2*				
85.3	282.2*	282.2*	273.4*	246.9*	219.8*	187.8*	160.9*	136.2*	116.2*			275.6*	264.6*	249.1*	227.1*	203.7*	177.9*	152.8*	129.9*			
91.9		257.9*	253.5*	233.7*	210.1*	185.6*	160.3*	135.6*	115.5*	99*			240.3*	229.3*	213.8*	194.2*	173.3*	152.3*	129.4*	110.5*	95*	
98.4		235.9*	233.7*	218.9*	200*	178.8*	159.4*	134.9*	114.6*	98.3*	85.5*		219.1*	212.3*	200*	184.1*	166.2*	149.5*	129*	110*	94.6*	82.2*
105		217.8*	215*	204.6*	189.4*	171.5*	154.5*	134*	114*	97.7*	84.9*		198.4*	194.9*	186.3*	173.9*	159*	144.4*	128.3*	109.3*	93.9*	81.8*
111.5			197.3*	190.5*	178.8*	163.8*	149.3*	132.9*	113.1*	97*	84.2*			178.6*	173.1*	163.6*	151.5*	138.9*	124.8*	108.7*	93.3*	81.1*
118.1			180.8*	177*	168.4*	156.1*	143.5*	129*	112.2*	96.1*	83.6*			163.6*	160.5*	153.7*	143.7*	132.9*	120.6*	108*	92.8*	80.7*
124.7				164.2*	158.1*	148.4*	137.6*	124.8*	111.6*	95.5*	82.7*			149.5*	148.6*	143.7*	136*	127.2*	116.4*	104.9*	92.2*	80*
131.2				152.1*	148.2*	140.7*	131.6*	120.4*	108.5*	94.6*	82*				137.3*	134.3*	128.3*	121.3*	112*	101.6*	91.3*	79.4*
137.8				140.7*	138.7*	132.9*	125.7*	116*	105.2*	93.7*	81.4*				126.8*	125.4*	121*	115.3*	107.4*	98.1*	88.8*	78.7*
144.4					129.4*	125.4*	119.7*	111.6*	101.9*	91.7*	80.7*					116.8*	114*	109.3*	102.7*	94.6*	86.2*	77.8*
150.9					120.8*	118.2*	114*	106.9*	98.3*	89.3*	80*					108.9*	106.9*	103.6*	98.1*	91.1*	83.3*	75.6*
157.5						111.3*	108*	102.3*	94.8*	86.6*	78.3*					101.2*	100.5*	98.1*	93.5*	87.5*	80.7*	73.6*
164						104.7*	102.5*	97.9*	91.3*	83.8*	76.3*						94.1*	92.6*	89.1*	84*	77.8*	71.4*
170.6						98.3*	97*	93.3*	87.7*	81.1*	74.3*						88.2*	87.3*	84.7*	80.2*	75*	69.2*
177.2							91.7*	89.1*	84.2*	78.5*	72.1*							82.5*	80.5*	76.7*	72.3*	67*
183.7							86.6*	84.7*	80.7*	75.6*	69.9*							77.6*	76.3*	73.4*	69.4*	64.8*
190.3							82*	80.7*	77.4*	73*	67.7*							73.2*	72.3*	69.9*	66.6*	62.4*
196.9								76.5*	74.1*	70.1*	65.5*								68.6*	66.8*	63.9*	60.2*
203.4								72.8*	70.8*	67.5*	63.3*								64.8*	63.5*	61.3*	58*
210									67.5*	64.8*	61.3*								61.5*	60.4*	58.6*	55.8*
216.5									64.4*	62.2*	59.1*									57.5*	56*	53.6*
223.1									61.5*	59.7*	56.9*									54.7*	53.6*	51.6*
229.7										57.3*	54.9*										51.1*	49.4*
236.2										54.9*	52.7*										48.7*	47.4*
242.8											50.7*										46.5*	45.4*
249.3											48.7*											43.4*
255.9											47*											41.7*

Main boom: 157.5~177.2 ft
Job: 78.7~275.6 ft



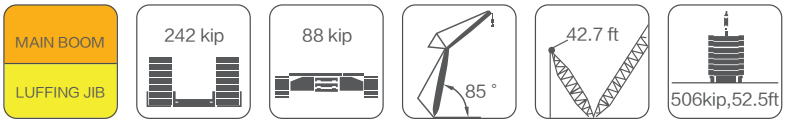
m	157.5											177.2										
	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6
52.5	414.5*	359.4*										370.4*										
59.1	381.4*	337.3*	293.2*									343.9*	306.4*	266.8*								
65.6	346.1*	315.3*	280*	233.7*								313.1*	286.6*	255.7*	222.7*							
72.2	313.1*	291*	262.4*	233.7*	201.7*							284.4*	264.6*	240.3*	215.6*	188.1*						
78.7	282.2*	266.8*	246.9*	222.7*	198*	168.7*	145.1*					255.7*	242.5*	224.9*	204.6*	183*	158.7*					
85.3	253.5*	244.7*	229.3*	210.5*	189.6*	168.2*	144.8*	123.7*				231.5*	222.7*	209.2*	192.9*	174.8*	156.3*	136.9*	117.3*			
91.9	227.1*	222.7*	212.1*	197.5*	180.3*	162*	144.4*	123.2*	105.6*			209*	203*	193.6*	181*	166*	150.4*	135.1*	117.1*	100.8*		
98.4		202.2*	195.3*	184.7*	170.9*	155.2*	140.2*	122.8*	105.4*	90.8*	79.1*		184.5*	178.4*	168.9*	157*	143.7*	130.5*	116.8*	100.5*	86.9*	
105		183.4*	179.7*	172*	161.2*	148.2*	135.1*	121.3*	104.7*	90.4*	78.7*		167.8*	163.8*	157.2*	147.9*	136.7*	125.4*	113.3*	100.1*	86.6*	75.6*
111.5			164.7*	159.6*	151.5*	140.9*	129.6*	117.5*	104.3*	89.7*	78.3*			150.4*	145.7*	138.7*	129.6*	120.2*	109.3*	98.5*	86.2*	75.2*
118.1			151*	147.9*	142*	133.4*	124.1*	113.3*	102.1*	89.3*	77.8*			137.8*	135.1*	129.9*	122.6*	114.6*	105.4*	95.5*	85.8*	74.7*
124.7			138.2*	136.9*	132.7*	126.1*	118.4*	108.9*	98.8*	88.6*	77.2*			126.3*	125*	121.3*	115.5*	108.9*	101*	92.2*	83.3*	74.3*
131.2				126.5*	123.9*	118.8*	112.4*	104.5*	95.5*	86.4*	76.7*				115.5*	113.1*	108.7*	103.4*	96.6*	88.8*	80.9*	73*
137.8				117.1*	115.5*	111.8*	106.7*	100.1*	92.2*	83.8*	75.6*				106.7*	105.2*	102.1*	97.9*	92.2*	85.5*	78.3*	71*
144.4					107.6*	104.9*	101.2*	95.5*	88.6*	81.1*	73.6*				98.5*	97.9*	95.7*	92.6*	87.7*	82*	75.6*	69*
150.9					100.1*	98.5*	95.7*	91.1*	85.1*	78.3*	71.4*					91.1*	89.7*	87.3*	83.6*	78.5*	72.8*	66.8*
157.5					93*	92.4*	90.4*	86.6*	81.4*	75.6*	69.2*					84.7*	84*	82.2*	79.1*	75*	69.9*	64.6*
164						86.6*	85.1*	82.2*	77.8*	72.8*	67*						78.7*	77.4*	75*	71.4*	67.2*	62.4*
170.6						81.1*	80.2*	78*	74.3*	69.9*	64.8*						73.4*	72.8*	71*	68.1*	64.4*	60*
177.2						75.8*	75.6*	74.1*	71*	67*	62.6*						68.8*	68.6*	67.2*	64.8*	61.5*	57.8*
183.7							71.2*	70.1*	67.7*	64.4*	60.4*							64.4*	63.5*	61.5*	58.9*	55.6*
190.3							66.8*	66.4*	64.4*	61.5*	58*							60.4*	60*	58.4*	56.2*	53.4*
196.9								62.6*	61.3*	58.9*	55.8*								56.7*	55.3*	53.6*	51.1*
203.4								59.3*	58.2*	56.2*	53.6*								53.4*	52.5*	51.1*	48.9*
210								56*	55.3*	53.8*	51.4*								50.3*	49.8*	48.7*	46.7*
216.5								*	52.5*	51.4*	49.4*									47.2*	46.3*	44.8*
223.1									49.8*	48.9*	47.2*									44.8*	44.1*	42.8*
229.7										46.5*	45.2*									42.3*	41.9*	40.8*
236.2										44.3*	43.2*										39.7*	38.8*
242.8										42.1*	41.2*										37.7*	37*
249.3											39.5*											35.3*
255.9											37.7*											33.5*
262.5											35.9*											32*

Main boom: 196.9~216.5 ft
Job: 78.7~275.6 ft



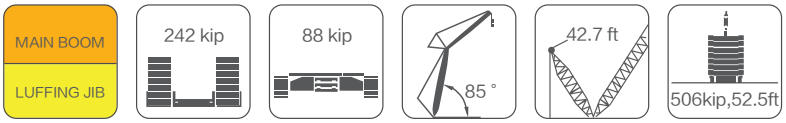
m	196.9											216.5									
	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6
52.5	332.9*											293.2*										
59.1	308.6*	277.8*										275.6*	246.9*									
65.6	284.4*	260.1*	231.5*	202.8*								255.7*	231.5*	209.2*								
72.2	257.9*	240.3*	220.2*	198*	174.8*							233.7*	217.6*	198.2*	178.6*							
78.7	233.7*	220.5*	206.1*	187.8*	168.9*	148.6*						214.7*	201.5*	186.3*	170*	153.2*	135.6*					
85.3	213*	203.7*	191.6*	177.3*	161.4*	145.1*	128.7*					195.6*	185.8*	173.9*	160.7*	146.6*	132.1*	117.9*				
91.9	192.5*	186.1*	177.3*	166.2*	153.2*	139.3*	125.9*	110.9*	95.7*			177.9*	170.6*	161.8*	151.2*	139.3*	127*	114.9*	102.3*			
98.4		169.8*	163.6*	155.2*	144.6*	132.9*	121.3*	109.3*	95.5*	82.9*			156.5*	149.9*	141.8*	132.1*	121.5*	110.9*	100.1*	88.8*	77.4*	
105		154.5*	150.6*	144.4*	136.2*	126.5*	116.4*	105.8*	95*	82.7*	72.3*		143.3*	138.5*	132.3*	124.6*	115.5*	106.5*	97*	87.3*	77.2*	67.7*
111.5		140.9*	138.5*	134*	127.6*	119.7*	111.3*	101.9*	92.2*	82.2*	72.1*		131.2*	127.9*	123.2*	117.1*	109.6*	101.9*	93.5*	84.7*	76.3*	67.5*
118.1			127*	124.1*	119.5*	113.1*	106*	97.9*	89.1*	80.5*	71.7*			117.7*	114.4*	109.6*	103.6*	97*	89.7*	82*	74.3*	66.8*
124.7			116.6*	114.9*	111.6*	106.5*	100.8*	93.7*	86*	78.3*	70.5*			108.5*	106.3*	102.5*	97.9*	92.4*	86*	78.9*	71.9*	65*
131.2				106.3*	103.8*	100.1*	95.5*	89.5*	82.7*	75.6*	68.6*			99.9*	98.5*	95.9*	92.2*	87.5*	82.2*	76.1*	69.7*	63.3*
137.8				98.1*	96.8*	93.9*	90.2*	85.3*	79.4*	73*	66.6*				91.3*	89.5*	86.4*	82.7*	78.3*	72.8*	67.2*	61.3*
144.4				90.8*	89.9*	88*	85.1*	81.1*	75.8*	70.3*	64.4*				84.7*	83.3*	81.1*	78.3*	74.5*	69.7*	64.6*	59.3*
150.9					83.8*	82.5*	80.2*	76.9*	72.5*	67.7*	62.4*					77.6*	76.1*	73.6*	70.5*	66.6*	62.2*	57.3*
157.5					77.8*	77.2*	75.4*	72.8*	69*	64.8*	60.2*					72.3*	71.2*	69.4*	67*	63.5*	59.5*	55.3*
164					72.3*	72.1*	71*	69*	65.7*	62.2*	57.8*					67.5*	66.8*	65.5*	63.3*	60.4*	57.1*	53.1*
170.6						67.5*	66.6*	65*	62.6*	59.3*	55.6*						62.6*	61.5*	60*	57.5*	54.5*	51.1*
177.2						63.1*	62.6*	61.5*	59.3*	56.7*	53.4*						58.4*	57.8*	56.7*	54.5*	52*	48.9*
183.7							58.9*	58*	56.2*	54*	51.1*							54.5*	53.4*	51.8*	49.6*	47*
190.3							55.1*	54.7*	53.4*	51.6*	48.9*							51.1*	50.5*	48.9*	47.2*	45*
196.9							51.8*	51.6*	50.5*	48.9*	46.7*							48.1*	47.6*	46.5*	45*	42.8*
203.4								48.7*	47.8*	46.5*	44.8*								45*	43.9*	42.8*	41*
210								45.9*	45.2*	44.3*	42.8*								42.3*	41.7*	40.6*	39*
216.5									42.8*	42.1*	40.8*								39.9*	39.5*	38.6*	37.3*
223.1									40.6*	39.9*	38.8*									37.3*	36.6*	35.5*
229.7									38.4*	37.9*	36.8*									35.3*	34.6*	33.7*
236.2										35.9*	35.1*										32.8*	32*
242.8										34*	33.5*										31.3*	30.4*
249.3										32.2*	31.7*										29.5*	28.9*
255.9											30.2*											27.6*
262.5											28.7*											26.2*

Main boom: 236.2~137.8 ft
Job: 78.7~275.6 ft



m	236.2											255.9										
	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6
59.1	249.1*	224.9*										220.5*										
65.6	231.5*	212.5*	191.4*									208.6*	189.8*	170.2*								
72.2	215*	198.9*	181.7*	164*								194*	178.8*	162.9*	147.3*							
78.7	197.3*	185*	171.1*	156.3*	141.3*							179.5*	167.3*	154.3*	140.9*	127.4*						
85.3	180.6*	171.1*	160.1*	148.2*	135.4*	122.4*	110.2*					165.3*	155.6*	145.1*	134*	122.4*	110.9*					
91.9	164.9*	157.6*	149*	139.6*	128.7*	117.7*	106.7*	96.1*				152.1*	144.2*	135.8*	126.8*	116.8*	106.7*	96.8*	87.3*			
98.4	150.6*	144.8*	138.5*	130.7*	121.9*	112.4*	103*	93.3*	83.8*			139.8*	133.4*	126.8*	119.3*	110.9*	102.3*	93.5*	84.9*	76.3*		
105		132.9*	128.1*	122.1*	115.1*	107.1*	98.8*	90.2*	81.4*	73.2*	64.4*		123.2*	117.9*	111.8*	104.9*	97.4*	89.7*	82*	74.3*	66.8*	
111.5		122.1*	118.4*	114*	108.2*	101.6*	94.4*	86.9*	78.9*	71.2*	63.9*		113.8*	109.3*	104.7*	99*	92.8*	86*	79.1*	72.1*	65*	58.4*
118.1			109.3*	106*	101.4*	96.1*	89.9*	83.3*	76.3*	69.2*	62.4*		104.9*	101.6*	97.7*	93*	88*	82*	76.1*	69.7*	63.3*	57.1*
124.7			101*	98.5*	95*	90.6*	85.5*	79.8*	73.4*	67.2*	60.8*			94.1*	91.3*	87.5*	83.1*	78*	73*	67*	61.3*	55.6*
131.2			93.3*	91.5*	88.8*	85.3*	80.9*	76.1*	70.5*	64.8*	59.1*			87.3*	84.9*	82*	78.3*	74.1*	69.7*	64.4*	59.3*	54*
137.8				84.9*	82.9*	80*	76.5*	72.5*	67.7*	62.6*	57.1*				79.1*	76.7*	73.9*	70.3*	66.4*	61.7*	57.1*	52.2*
144.4				78.7*	77.4*	75.2*	72.3*	68.8*	64.6*	60.2*	55.3*				73.6*	71.9*	69.4*	66.6*	63.1*	59.1*	54.9*	50.5*
150.9					72.1*	70.5*	68.1*	65.3*	61.7*	57.8*	53.4*				68.6*	67.2*	65.3*	62.8*	60*	56.4*	52.7*	48.7*
157.5					67.2*	66.1*	64.2*	61.9*	58.6*	55.1*	51.4*					62.8*	61.3*	59.3*	56.9*	53.8*	50.5*	46.7*
164					62.6*	61.9*	60.4*	58.4*	55.8*	52.7*	49.2*					58.6*	57.5*	55.8*	53.8*	51.1*	48.3*	45*
170.6						58*	56.9*	55.3*	52.9*	50.3*	47.2*						54*	52.7*	50.9*	48.7*	46.1*	43.2*
177.2						54.2*	53.4*	52.2*	50.3*	48.1*	45.2*						50.7*	49.6*	48.3*	46.3*	44.1*	41.2*
183.7						50.7*	50.3*	49.4*	47.6*	45.6*	43.2*						47.6*	46.7*	45.6*	43.9*	41.9*	39.5*
190.3							47.2*	46.5*	45.2*	43.4*	41.2*							43.9*	43*	41.4*	39.9*	37.7*
196.9							44.3*	43.9*	42.8*	41.2*	39.5*							41.2*	40.6*	39.2*	37.9*	35.9*
203.4								41.2*	40.3*	39.2*	37.5*							38.8*	38.4*	37.3*	35.9*	34.4*
210								39*	38.1*	37.3*	35.7*								36.2*	35.3*	34.2*	32.6*
216.5								36.6*	36.2*	35.3*	34*								34.2*	33.3*	32.4*	31.1*
223.1									34.2*	33.5*	32.4*									31.5*	30.9*	29.5*
229.7									32.2*	31.7*	30.9*									29.8*	29.1*	28.2*
236.2										30*	29.3*									28.2*	27.6*	26.7*
242.8										28.4*	27.8*										26.2*	25.4*
249.3										26.9*	26.2*										24.9*	24*
255.9											24.9*											22.9*
262.5											23.6*											21.6*
269											22.5*											20.5*

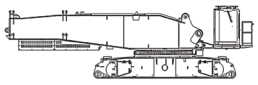
Main boom: 275.6 ft
Job: 78.7~275.6 ft



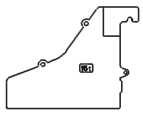
m	275.6										
	78.7	98.4	118.1	137.8	157.5	177.2	196.9	216.5	236.2	255.9	275.6
59.1	201.7*										
65.6	190.3*	173.3*									
72.2	177.9*	163.8*	149.5*								
78.7	165.1*	153.9*	141.8*	129.6*	117.5*						
85.3	153*	143.7*	133.8*	123.5*	112.9*	102.5*					
91.9	141.3*	133.6*	125.4*	117.1*	107.8*	98.8*	89.5*				
98.4	130.3*	123.9*	117.3*	110.5*	102.5*	94.6*	86.6*	78.7*	70.8*		
105		114.9*	109.6*	103.6*	97.2*	90.4*	83.1*	76.1*	69*	62.2*	
111.5		106.3*	101.9*	97.2*	91.7*	86*	79.6*	73.4*	66.8*	60.6*	54.2*
118.1		98.5*	94.8*	91.1*	86.4*	81.6*	76.1*	70.5*	64.6*	58.9*	52.9*
124.7			88*	84.9*	81.4*	77.2*	72.3*	67.7*	62.2*	56.9*	51.6*
131.2			81.8*	79.4*	76.3*	72.8*	68.8*	64.6*	59.7*	54.9*	50*
137.8				74.1*	71.4*	68.6*	65.3*	61.5*	57.3*	52.9*	48.5*
144.4				69*	67*	64.6*	61.7*	58.6*	54.7*	50.9*	46.7*
150.9				64.4*	62.8*	60.8*	58.2*	55.6*	52.2*	48.7*	45*
157.5					58.6*	57.1*	54.9*	52.7*	49.8*	46.7*	43.2*
164					54.9*	53.6*	51.8*	49.8*	47.4*	44.8*	41.7*
170.6					51.4*	50.5*	48.9*	47.2*	45*	42.5*	39.9*
177.2						47.4*	46.1*	44.8*	42.8*	40.6*	38.1*
183.7						44.5*	43.4*	42.3*	40.6*	38.6*	36.4*
190.3							40.8*	39.9*	38.4*	36.8*	34.8*
196.9							38.4*	37.7*	36.4*	34.8*	33.1*
203.4							36.2*	35.5*	34.4*	33.1*	31.5*
210								33.5*	32.6*	31.5*	30*
216.5								31.7*	30.9*	29.8*	28.4*
223.1									29.1*	28.2*	27.1*
229.7									27.6*	26.9*	25.8*
236.2									26*	25.4*	24.5*
242.8										24*	23.1*
249.3										22.7*	22*
255.9										21.6*	20.7*
262.5											19.6*
269											18.7*

Transport Component Dimensions

Basic crane	
Length	39.4 ft
Width	9.8 ft
Height	11.1 ft
Weight	107.5 kip
Qty.	1



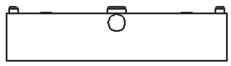
Turntable counterweight frame	
Length	8.5 ft
Width	9.8 ft
Height	6.6 ft
Weight	33 kip
Qty.	2



Left track frame	
Length	25.4 ft
Width	5.3 ft
Height	5.0 ft
Weight	67.9 kip
Qty.	1



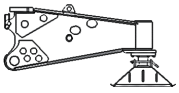
Counterweight slab	
Length	7.8 ft
Width	6.8 ft
Height	1.9 ft
Weight	22 kip
Qty.	12



Right track frame	
Length	25.4 ft
Width	5.3 ft
Height	5.0 ft
Weight	67.9 kip
Qty.	1



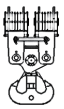
Outrigger	
Length	8.3 ft
Width	3.2 ft
Height	3.9 ft
Weight	5.4 kip
Qty.	2



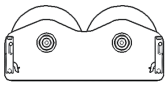
Mast assembly	
Length	36.5 ft
Width	7.2 ft
Height	3.7 ft
Weight	21.5 kip
Qty.	1



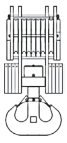
880 kip hook	
Length	5.5 ft
Width	3.1 ft
Height	10.1 ft
Weight	21.8 kip
Qty.	1



Hoisting system	
Length	8.2 ft
Width	6.2 ft
Height	3.7 ft
Weight	21.0 kip
Qty.	1



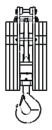
440 kip hook	
Length	3.1 ft
Width	3.2 ft
Height	7.3 ft
Weight	9.2 kip
Qty.	1



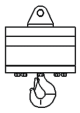
Central counterweight slab	
Length	19.9 ft
Width	5.3 ft
Height	2.7 ft
Weight	44 kip
Qty.	2



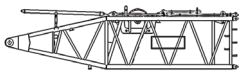
110 kip hook	
Length	2.1 ft
Width	2.4 ft
Height	6.0 ft
Weight	5.3 kip
Qty.	1



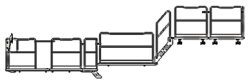
35.2 kip hook	
Length	1.9 ft
Width	1.9 ft
Height	2.8 ft
Weight	1.9 kip
Qty.	1



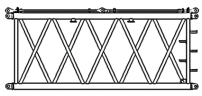
Main boom butt	
Length	35.4 ft
Width	9.8 ft
Height	9.3 ft
Weight	29.3 kip
Qty.	1



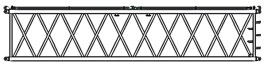
Catwalk	
Length	—
Width	—
Height	—
Weight	1.0 kip
Qty.	1



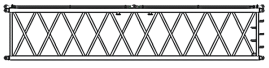
Heavy duty main boom insert 19.6 ft	
Length	20.2 ft
Width	9.8 ft
Height	8.3 ft
Weight	7.1 kip
Qty.	2



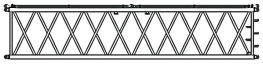
Heavy duty main boom insert 39.3ft I	
Length	39.9 ft
Width	9.8 ft
Height	8.3 ft
Weight	12.7 kip
Qty.	1



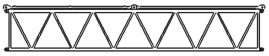
Heavy duty main boom insert 39.3ft I	
Length	39.9 ft
Width	9.8 ft
Height	8.3 ft
Weight	12.7 kip
Qty.	1



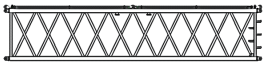
Heavy duty main boom insert 39.3ft II	
Length	39.9 ft
Width	9.8 ft
Height	8.3 ft
Weight	12.8 kip
Qty.	1



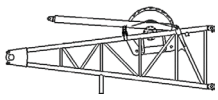
Tower jib insert 39.3ft B	
Length	39.8 ft
Width	8 ft
Height	6.5 ft
Weight	6.5 kip
Qty.	1



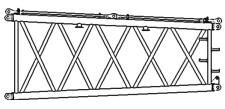
Light duty main boom insert 39.3ft	
Length	39.9 ft
Width	9.8 ft
Height	9.8 ft
Weight	11.5 kip
Qty.	2



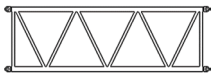
Superlift mast butt	
Length	20.4 ft
Width	8.9 ft
Height	6.5 ft
Weight	17.5 kip
Qty.	1



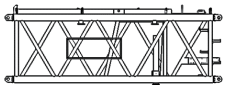
Main boom transition section 19.6ft	
Length	20.2 ft
Width	9.8 ft
Height	8.4 ft
Weight	5.7 kip
Qty.	1



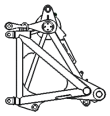
Superlift mast insert 19.6 ft	
Length	20.5 ft
Width	8.1 ft
Height	6.8 ft
Weight	3.5 kip
Qty.	1



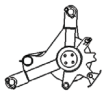
Light duty main boom insert 19.6ft	
Length	20.2 ft
Width	8.2 ft
Height	27.2 ft
Weight	7.7 kip
Qty.	1



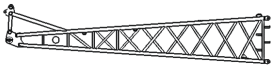
Main boom head	
Length	8.4 ft
Width	8.5 ft
Height	8.9 ft
Weight	7.9 kip
Qty.	1



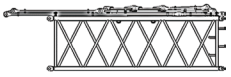
Main boom pulley block	
Length	4.5 ft
Width	5.4 ft
Height	3.9 ft
Weight	5.1 kip
Qty.	1



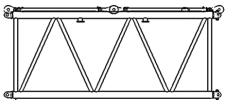
Tower jib butt	
Length	35.4 ft
Width	8.3 ft
Height	7.5 ft
Weight	7.1 kip
Qty.	1



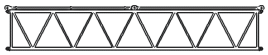
Tower jib insert 19.6 ft A	
Length	25.1 ft
Width	8 ft
Height	7.3 ft
Weight	6.7 kip
Qty.	1



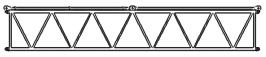
Tower jib insert 19.6 ft B	
Length	20.2 ft
Width	8 ft
Height	6.5 ft
Weight	3.8 kip
Qty.	2



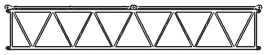
Tower jib insert 39.3ft A	
Length	39.8 ft
Width	8 ft
Height	6.5 ft
Weight	6.8 kip
Qty.	1



Tower jib insert 39.3ft B	
Length	39.8 ft
Width	8 ft
Height	6.5 ft
Weight	6.5 kip
Qty.	2



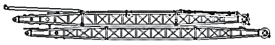
Tower jib insert 39.3ft (center hitch)	
Length	39.8 ft
Width	8 ft
Height	6.5 ft
Weight	6.9 kip
Qty.	1



Tower jib top	
Length	27.9 ft
Width	8 ft
Height	10.9 ft
Weight	9.8 kip
Qty.	1



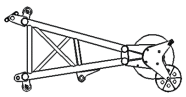
Tower jib front and rear brackets	
Length	53.3 ft
Width	8.5 ft
Height	6.7 ft
Weight	19.2 kip
Qty.	1



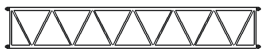
Pendant transport	
Length	20.3 ft
Width	5.7 ft
Height	1.5 ft
Weight	4.1 kip
Qty.	1



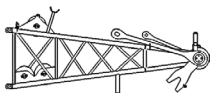
Single pulley	
Length	8.7 ft
Width	5.0 ft
Height	4.1 ft
Weight	1.1 kip
Qty.	1



Superlift mast insert 39.3ft	
Length	40.2 ft
Width	8.1 ft
Height	6.8 ft
Weight	5.8 kip
Qty.	1



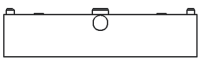
Superlift mast top	
Length	20.8 ft
Width	8 ft
Height	8.5 ft
Weight	7.7 kip
Qty.	1



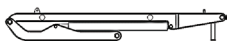
Superlift counterweight tray	
Length	30.0 ft
Width	8.5 ft
Height	4.1 ft
Weight	22 kip
Qty.	1



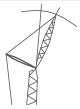
Counterweight slab	
Length	7.8 ft
Width	6.8 ft
Height	1.9 ft
Weight	22 kip
Qty.	16



Superlift counterweight pushing device	
Length	20.1 ft
Width	0.5 ft
Height	2.8 ft
Weight	7.6 kip
Qty.	1



Symbol markings

	Rated lifting capacity		Maximum boom length
	Maximum combined boom length		Turntable counterweight
	Working radius		Angle between boom and jib
	Undercarriage counterweight		Boom angle (tower jib operation mode)
	Superlift mast		Superlift counterweight
	360° slewing	EN	Rating are in compliance with EN13000

Boom designation

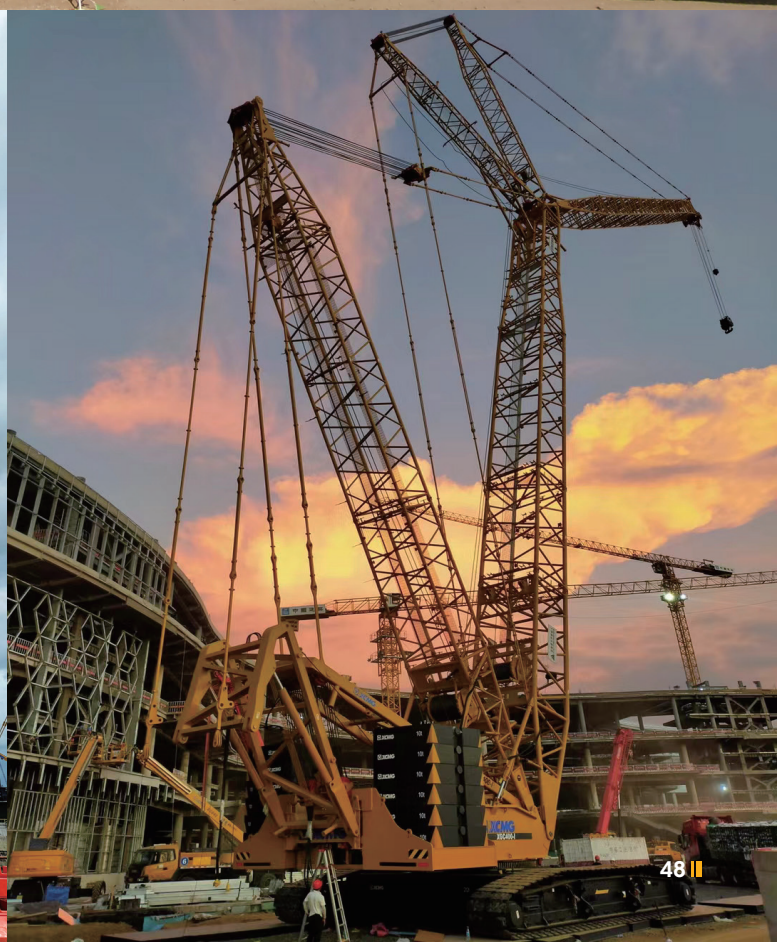
No.	Item	Length (ft)
①	Main boom butt	35.4
②	Heavy duty main boom insert 19.6 ft	19.6
③	Heavy duty main boom insert 19.6 ft I	19.6
④	Heavy duty main boom insert 39.3ft II	39.3
⑤	Light duty main boom insert 39.3ft	39.3
⑥	Main boom transition section 19.6ft	19.6
⑦	Light duty main boom insert 19.6ft	19.6
⑧	Main boom head	8.4
⑨	Main boom pulley block	—
(10)	Tower jib butt	36.4
(11)	Tower jib insert 19.6 ft A	19.6
(12)	Tower jib insert 19.6 ft B	19.6

No.	Item	Length (ft)
(13)	Tower jib insert 39.3ft A	39.3
(14)	Tower jib insert 39.3ft B	39.3
(15)	Tower jib top	27.9
(16)	Tower jib insert 39.3ft (center hitch)	39.3
(17)	Tower jib front and rear brackets	53.3

Construction Cases







XGC450-U
Crawler Crane

To accommodate continuous product improvements, we reserve the right to modify product model specifications and configurations. For the latest technical details, please consult your sales representative.

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