

CRAWLER CRANE QUY650



ZOOMLION

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Main Characteristics of Product

This product is equipped with high-end configurations to ensure safety and reliability of the equipment

1. The crane is applied with imported Daimler Mercedes-Benz electronic fuel injection engine with super power, whose quantity of fuel injected can be adjusted automatically according to rotational speed, saving energy and protecting the environment.

2. High-precision slewing ring is of high strength, good toughness, excellent stability and reliability as well as long service life.

3. The boom utilizes imported high-strength pipes, and the anchoring rod is made with imported Swedish 960 high-strength plates; all main structural components use high-strength steel to guarantee powerful lifting capacity and dependable crane safety.

4. Electrohydraulic proportional control system: The electrohydraulic proportional control system allows for complete automatic matching between the engine's power and torque and the hydraulic system's power, torque and speed to deliver highly optimized control.

5. High efficiency and energy saving: The system uses a matching format between the variable-displacement piston pump and variable-displacement motor to ensure high efficiency and to save energy. When the crane is in an idle non-operating mode, the power consumption of the entire hydraulic system nears zero, reducing the unnecessary waste of power being used by the heating system, etc. When operation begins, the system responds to operational commands timely and efficiently.

6. Automatic temperature regulation function: Through the automatic temperature regulation function of the hydraulic system, the system will automatically radiate excess heat when the system's oil temperature exceeds 45°C, thus ensuring normal operation of the system.

7. Multi-action integration form: while thorough consideration is given to safety during design, the hydraulic system implements multi-action integration, further improving working efficiency.

8. Closed-type slewing system: Our series of crawler cranes all employ a closed-type slewing control system to provide for precise and stable inching performance, thus better meeting the rigorous requirements of installation operations.

9. Leak-free ferrule-type joint: All pipe joints in the hydraulic system are leak-free ferrule-type joints manufactured by world reputed brands, and hence are able to adapt to a broader range of extremely hot and severely cold environments without any leakage.

10. Sophisticated emergency operating system: A sophisticated emergency operating system is used that can be started in case of failure of the PLC control system to ensure that all work can be completed.

11. The speed of all types of actions can be set freely. A speed setting area is provided on the main page of the digital display system so that you can freely set the system speed as needed; the speed at each shift features stepless speed regulation.

12. Multi-choice engine accelerator/rotating speed control: the system is equipped with a foot-operated accelerator, hand-operated accelerator, and automatic accelerator for the user to choose on the basis of actual working conditions.

13. All winching activities include vibration prompts. Each operating handle has a vibrator that reflects the corresponding winch action, i.e. when any one of the winches acts, the vibrator on its corresponding handle will vibrate, and the faster the speed, the higher the vibration frequency.

14. With a real-time center-of-gravity detection system, the real-time detection of the gravity center and the calculation of crawler ground pressure are possible.

Superior operational characteristics

1. A broad range of operational equipment applications are available with the superlift mast and superlift counterweight to provide an operational radius of superlift counterweight of 13m and 15m, respectively, thus significantly enhancing the crane's lifting capacity.

2. Imported steel wire rope, as well as a LEBUS multi-layer coiling drum, are used to ensure that ropes are neatly coiled and do not become entangled; there is also an internalized reducer, ensuring minimal noise, high efficiency, long product life, and convenient oil changing.

3. The crane has the ability to travel with a 100% rated load along a straight line.

4. Various overturn protection devices are available to effectively prevent the boom from overturning.

Reducing use expenses for our customers

1. An electric fuel oil feed pump is available as part of the standard configuration, making operations efficient and convenient.

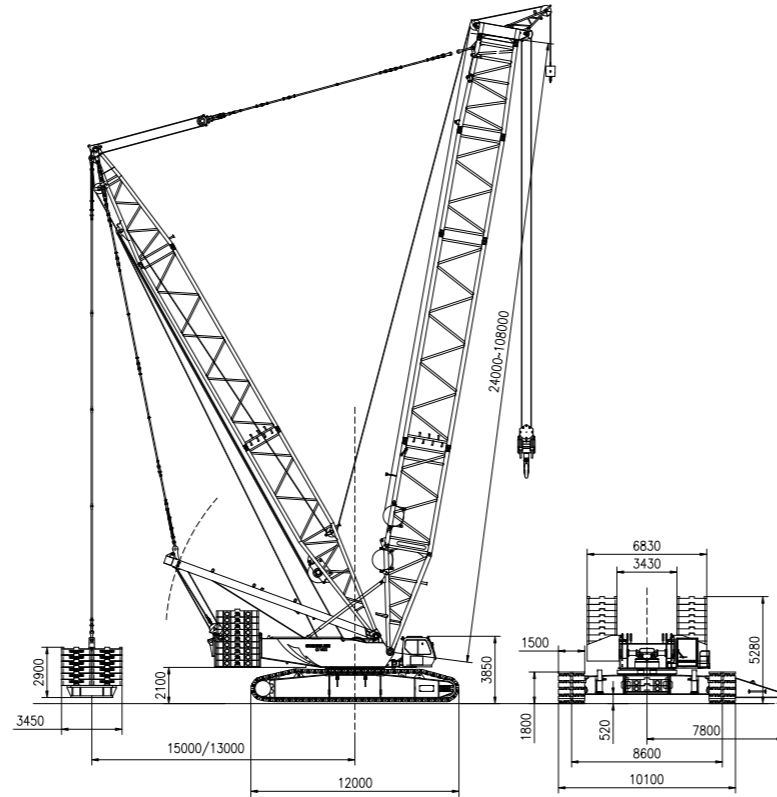
2. A diesel powered mobile pump station is available to mechanize the entire machine's assembling process and to reduce the intensity of manual installation work for workers.

3. The main derricking mast, main derricking pulley block and main derricking winch can be simultaneously dismantled (pins are inserted and removed through the mobile pump station).

4. The main boom and fixed jibs are packaged together in a single kit, reducing the number of transport vehicles and transport costs.

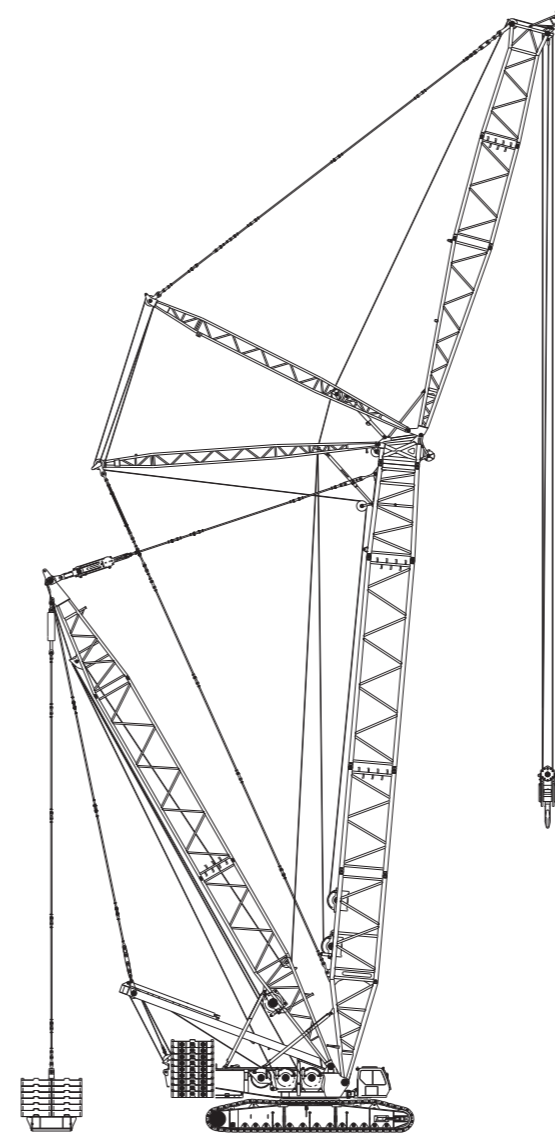
Overall Dimensions and Main Parameters

Overall Dimensions of Crane during Superlift Operations with Main Boom (SDB Boom)



Overall Dimensions of Zoomlion QUY650 Crawler Crane

Diagram of Luffing Jib in Superlift Operating Mode (SWDB Boom)



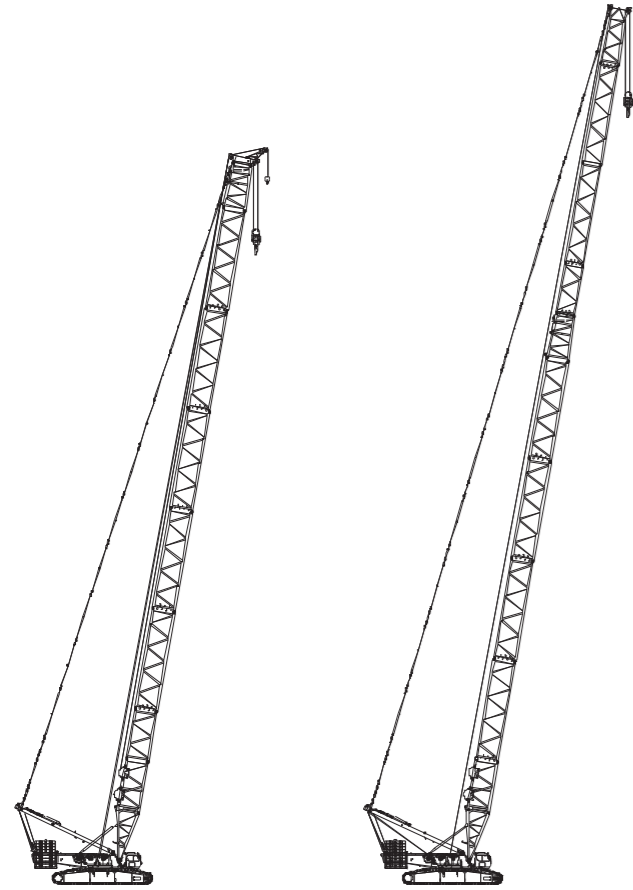
Main Performance Parameters:

Items		Unit of measurement	Values	Remarks
Maximum lifting capacity on heavy duty boom (S)/Radius	Standard	t × m	650 × 6	
	Superlift	t × m	650 × 12	
Length of heavy duty boom (S)		m	24 ~ 84 (108 is optional)	
Length of light duty boom (SL)	Standard	m	72 ~ 102	
	Superlift	m	90 ~ 138	
Deadweight of crane with basic boom		t	480	
Length of fixed jib (F)		m	12 ~ 36	
Maximum lifting capacity with fixed jib (F)		t	110	
Fixed jib angle		°	10, 30	
Maximum length of heavy duty boom with fixed jib (SF)	Standard	m	96 + 36	
	Superlift	m	138 + 36	
Length of luffing jib (W)		m	24 ~ 96	
Maximum lifting capacity with luffing jib (W)	Standard	m	220	
	Superlift	m	330	
Working angle of main boom in crane operations with luffing jib		°	65, 75, 85	
Maximum length of heavy duty boom with luffing jib (SW)	Standard	m	66 + 84	
	Superlift	m	84 + 96	
Single rope speed of winches	Main hoisting winch (hoisting winch 1)	m/min	130	
	Auxiliary hoisting winch (hoisting winch 2)	m/min	130	
	Main boom derricking winch	m/min	2 × 56	
	Luffing jib derricking winch	m/min	110	
	Superlift derricking winch	m/min	130	
Slewing speed		rpm	0 ~ 0.7	
Traveling speed		km/h	0.6/0.98	
Gradeability		%	30	
Ground pressure		MPa	0.15	
Transport dimensions of basic machine L × W × H		mm	16000 × 3200 × 3550	Including A-frame
Engine	Rated power/rotational speed	kW/rpm	420/1800	
	Output torque/rotational speed	Nm/rpm	2700/1300	
	Exhaust emission standard		U.S. EPA Tier 3 and EU Stage III	
Distance between track centers × crawler contact length × crawler shoe width		mm	8600 × 10580 × 1500	

Description of Boom Assembly

Standard operating mode:

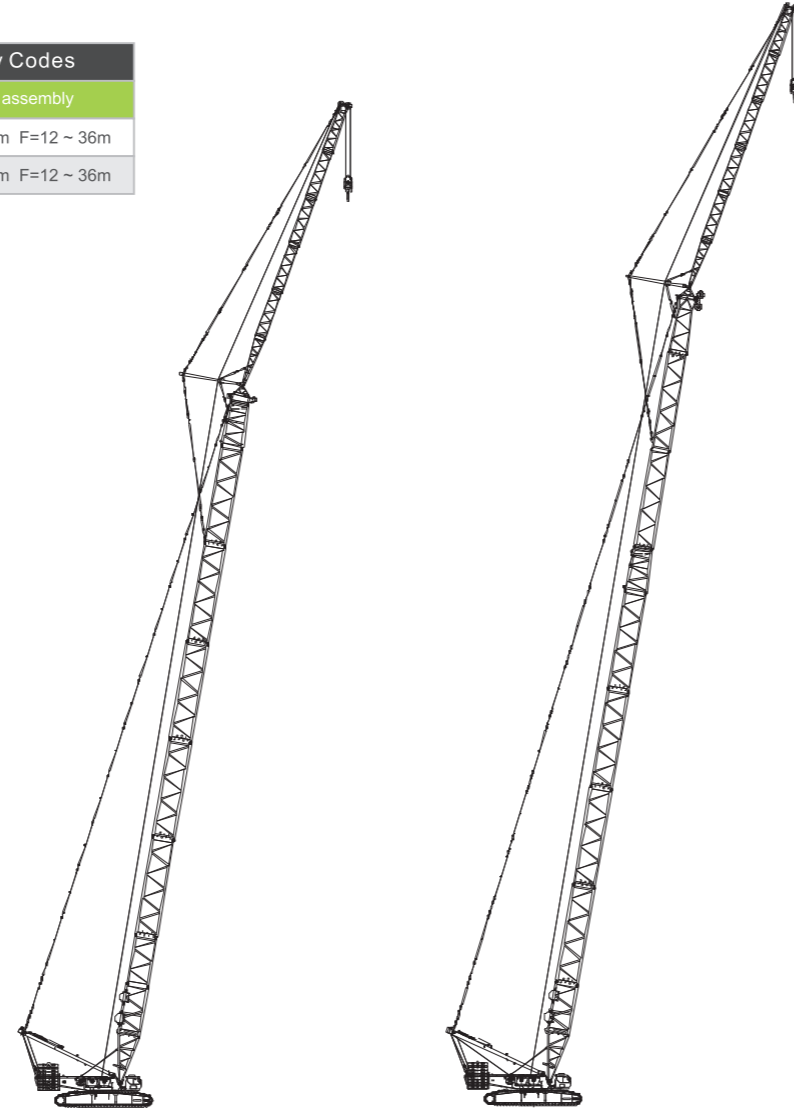
Descriptions of Boom Assembly Codes		
Code	Name	Boom assembly
S	Standard heavy duty boom	S=24 ~ 84m
SL	Standard light duty boom	S=72 ~ 102m



S

SL

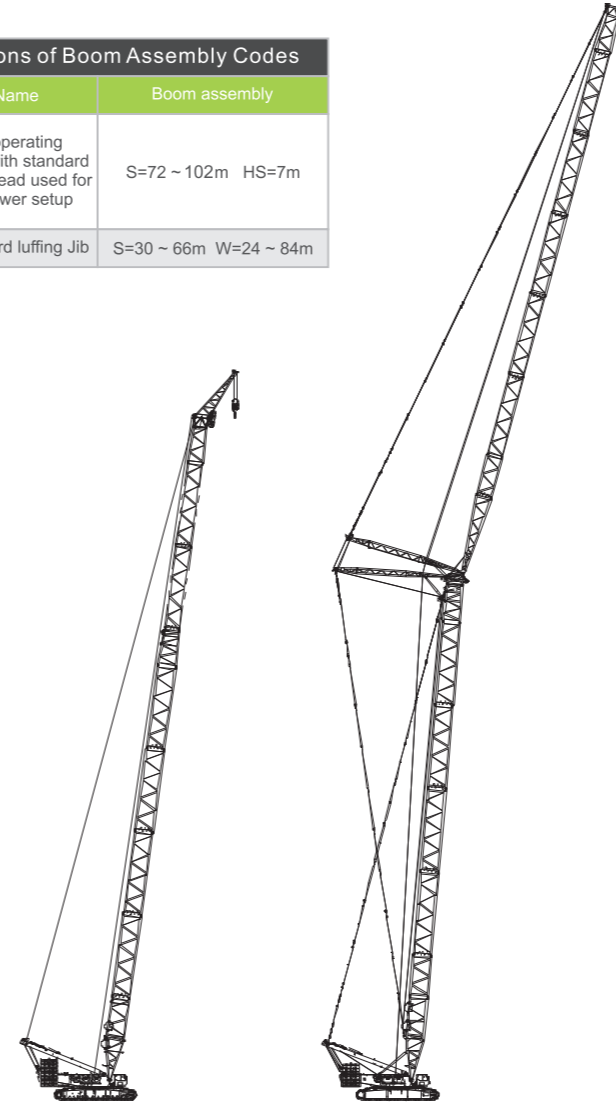
Descriptions of Boom Assembly Codes		
Code	Name	Boom assembly
SF	Standard heavy fixed jib	S=30 ~ 60m F=12 ~ 36m
SLFV	Standard light fixed jib	S=72 ~ 96m F=12 ~ 36m



SF

SLFV

Descriptions of Boom Assembly Codes		
Code	Name	Boom assembly
SHS	Crane operating mode with standard boom head used for wind power setup	S=72 ~ 102m HS=7m
SW	Standard luffing Jib	S=30 ~ 66m W=24 ~ 84m

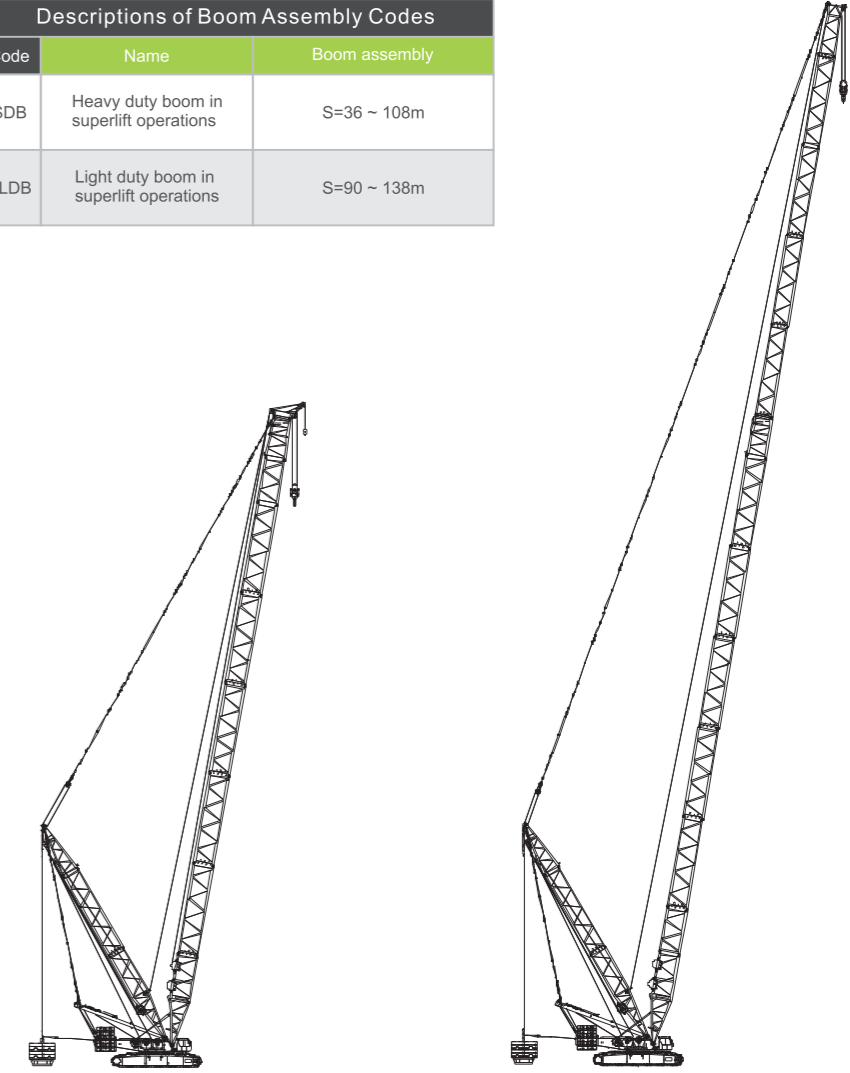


SHS

SW

Superlift operating mode:

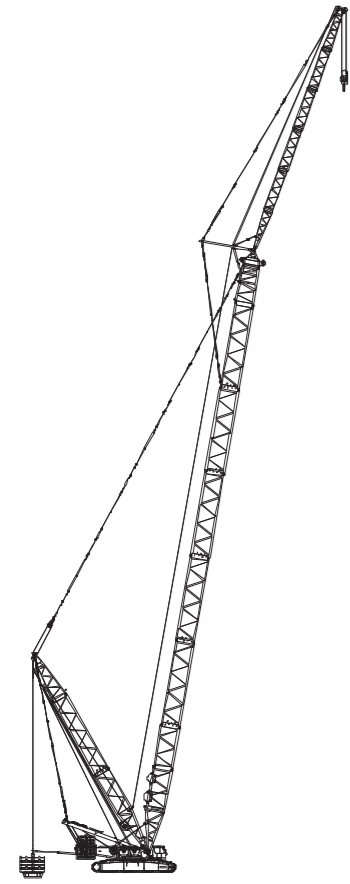
Descriptions of Boom Assembly Codes		
Code	Name	Boom assembly
SDB	Heavy duty boom in superlift operations	S=36 ~ 108m
SLDB	Light duty boom in superlift operations	S=90 ~ 138m



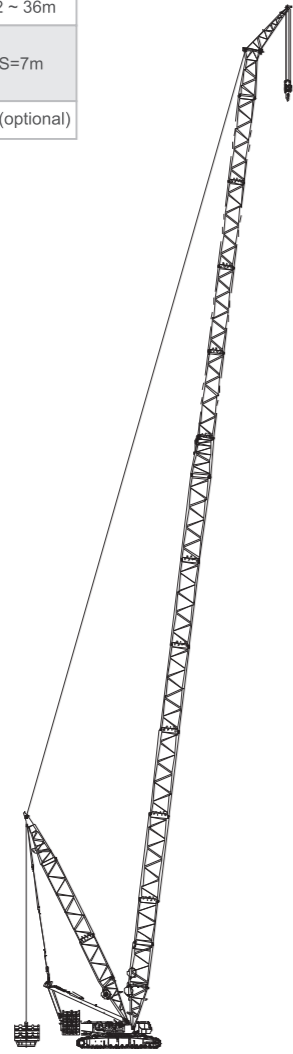
SDB

SLDB

Descriptions of Boom Assembly Codes		
Code	Name	Boom assembly
SFDB	Superlift heavy fixed jib	S=36 ~ 84m F=12 ~ 36m
SHSDB	Superlift crane operating mode with boom head used for wind power setup	S=90 ~ 138m HS=7m
SLFVDB	Superlift light heavy jib	S=60~84m F=18m(optional)

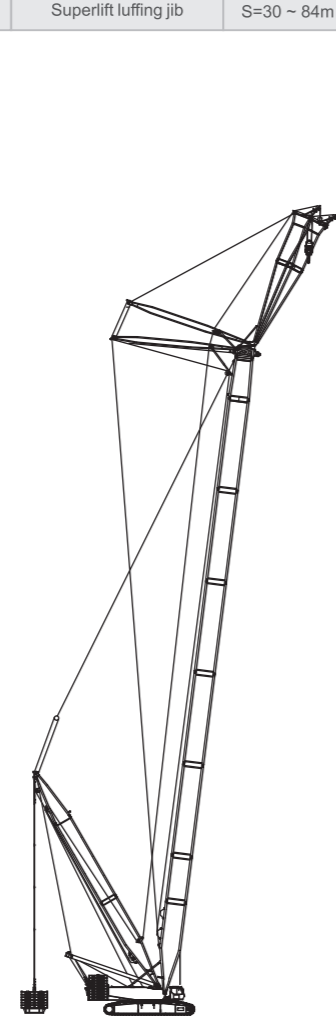


SFDB

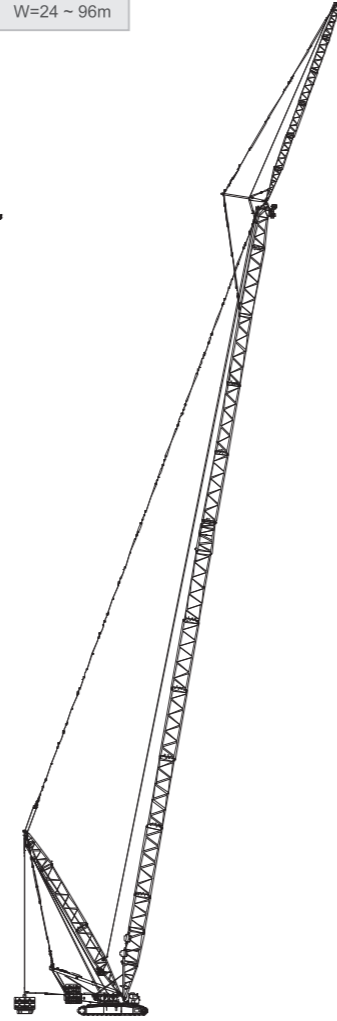


SHSDB

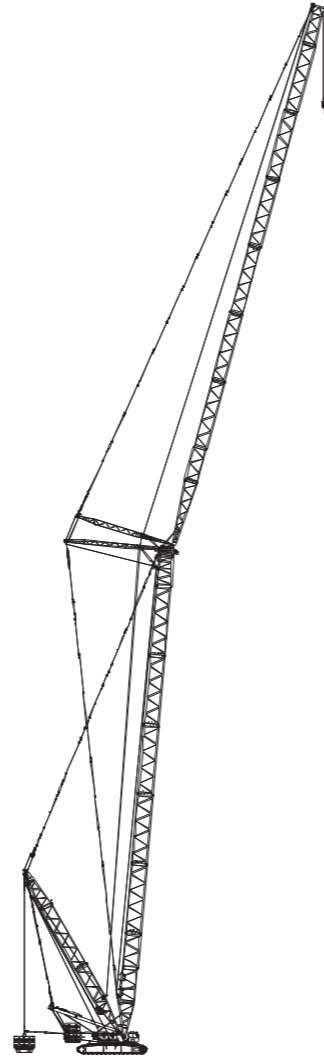
Descriptions of Boom Assembly Codes		
Code	Name	Boom assembly
SLFVDB	Superlift light fixed jib	S=90 ~ 138m F=12 ~ 36m
SWDB	Superlift luffing jib	S=30 ~ 84m W=24 ~ 96m



SLFVDB



SLFVDB



SWDB

Lifting Performance

Lifting performance on S boom

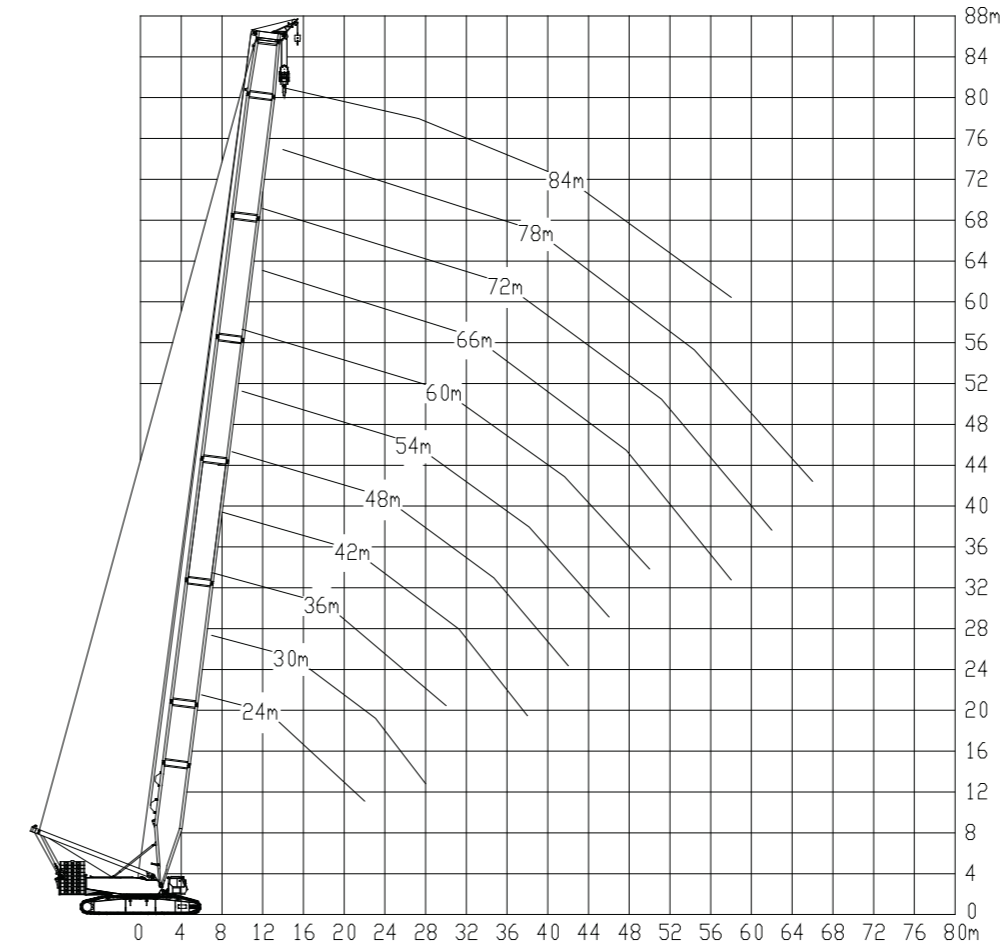


Table of Standard Main Boom Lifting Capacity (S Boom)

Unit of measurement: t

Length of main boom (m)	Rear counterweight 180t Central counterweight 40t 360° full slewing												
	24	30	36	42	48	54	60	66	72	78	84		
Radius (m)	Parts of line												
	2*24	2*22	2*19	2*16	2*15	2*14	2*13	2*11	2*11	2*9	2*9		
6	650.0												
7	590.0	586.8	543.1										
8	522.0	521.0	475.0	460.9	448.2								
9	457.1	441.0	434.0	422.1	411.4	401.0	380.5						
10	388.0	365.0	360.0	352.0	352.0	351.0	343.7	335.4	327.2				
12	294.0	283.0	281.0	271.0	269.0	268.0	266.0	265.0	265.5	264.8	261.8		
14	224.0	219.0	215.0	213.0	208.0	207.0	206.0	205.5	204.6	204.3	204.0		
16	185.0	181.0	175.0	171.0	168.0	166.0	165.0	164.0	163.0	162.0	161.0		
18	157.0	151.0	146.0	143.0	139.6	139.0	138.5	137.0	135.3	135.2	135.0		
20	135.0	128.0	125.0	123.0	121.5	121.0	120.0	120.0	119.6	119.4	119.1		
22	116.0	113.0	111.0	109.0	104.5	103.0	102.0	101.5	101.1	100.9	100.6		
24		105.0	101.0	97.0	92.5	92.0	91.5	91.5	91.2	91.0	90.7		
26		101.0	98.0	95.0	91.3	90.0	89.5	89.2	88.1	83.0	81.0		
28		95.0	93.5	91.5	89.3	88.0	85.2	85.0	82.0	77.0	72.0		
30			88.0	85.0	82.5	81.3	76.0	75.6	73.5	69.0	63.0		
34				73.5	71.0	70.0	69.2	69.1	66.3	58.3	52.3		
38					66.0	62.0	61.5	61.2	61.0	59.6	49.0	41.4	
42						55.0	54.6	53.9	53.0	51.6	40.0	32.5	
46							46.9	43.1	41.6	40.0	32.0	26.0	
50								36.0	35.2	33.0	25.0	17.9	
54									28.2	27.0	21.0	13.2	
58										23.0	22.0	17.0	10.4
62											19.0	15.0	
66												11.0	
Wind speed m/s	14.3			12.8			11.1						

Lifting performance on SL boom

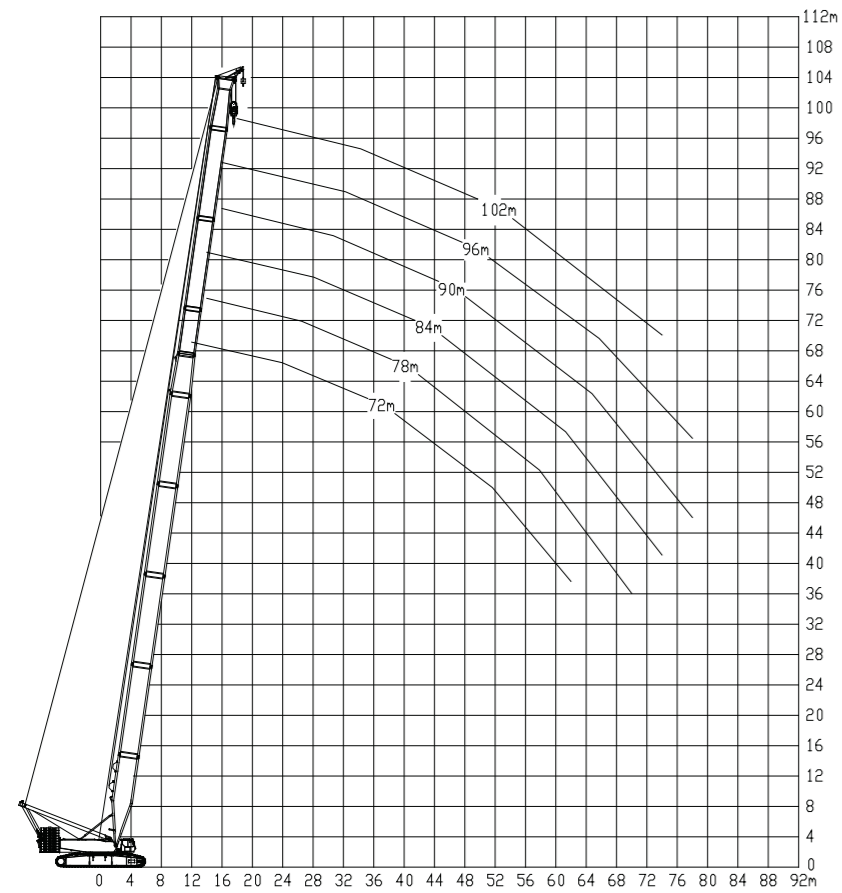


Table of Standard Light Duty Boom Lifting Capacity (SL Boom)

Unit of measurement: t

		Rear counterweight 180t Central counterweight 40t 360° full slewing					
Length of main boom (m)		72	78	84	90	96	102
Radius (m)	Parts of line						
	2*10	2*9	2*8	2*6	2*6	2*6	2*5
10		309	283.6				
12		265.1	247.4	229.7	182.4	171.0	
14		226.6	215.1	203.5	182.4	161.0	147
16		195	187.0	182	178	149.0	136
18		169	164.3	163	163	137.8	122
20		151	146.8	146.6	144.1	125.0	109.5
22		136	131.8	130.6	127.7	113.0	99.2
24		121	117.1	116.2	111.5	101.0	88
26		108	103.4	102.8	97.2	88.9	80.5
28		96.1	91.6	91	83.6	77.5	71
30		83	78.5	76.5	71.1	66.5	63
34		67	65.1	63.8	58.5	56.0	54
38		53.6	52.0	49.5	47.5	46.4	44.8
42		44.6	43.0	41	38.5	37.5	37.3
46		36.1	34.1	32	31.8	30.9	30.5
50		29.8	28.4	27	26.5	25.5	24.5
54		25.6	24.3	23	21.9	21.0	20.1
58		21.8	20.9	18.5	18	17.2	16.4
62		18.5	16.9	15.3	14.9	14.0	13
66			13.6	13.3	12.2	11.3	10.4
70				10	9.8	8.8	7.8
72				9.1	8.8	7.2	6.7
74				8.2	7.8	5.8	5.7
76					6.9	3.5	
78					6	3.0	
Wind speed m/s		12.8					

Lifting performance on SHS boom

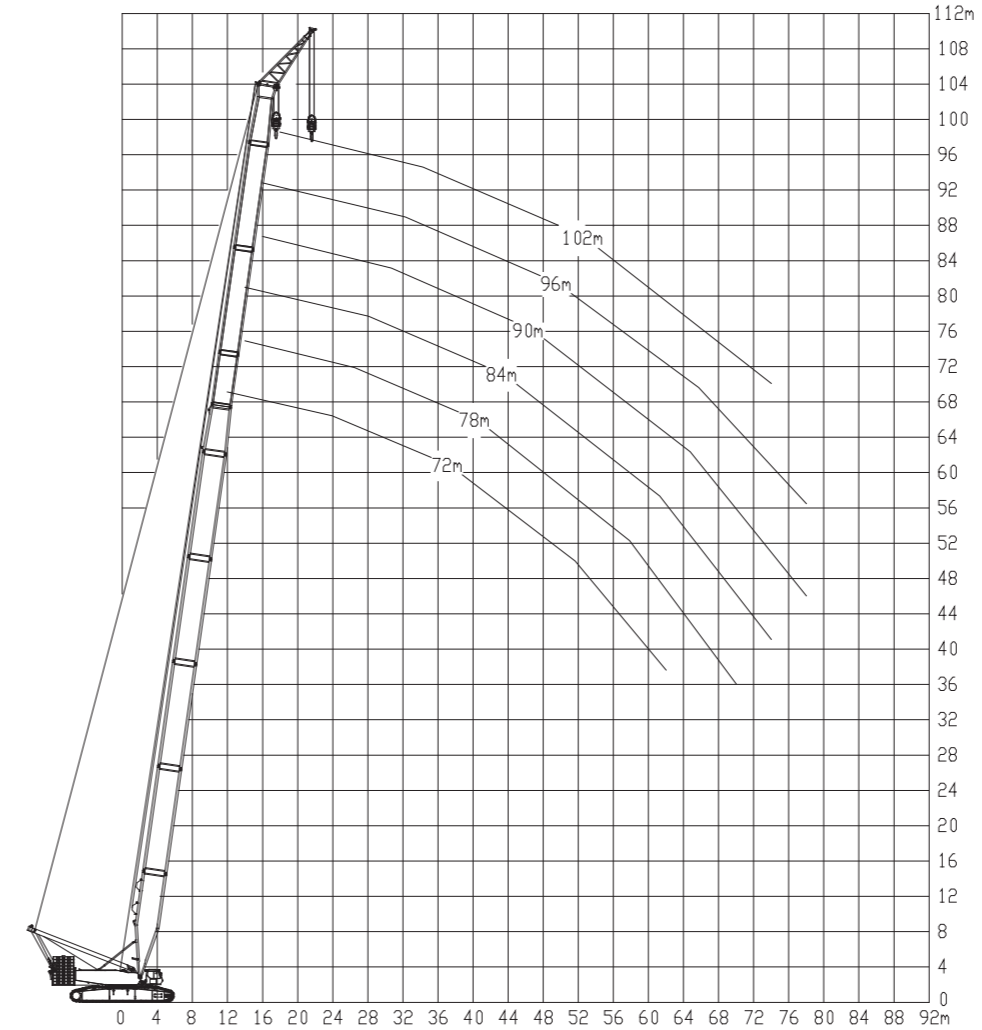


Table of Lifting Capacity in Crane Operating Mode with Standard Boom Head used for Wind Power Setup (SHS Boom)

Unit of measurement: t

		Lifting capacity on SHS boom Rear counterweight 180t Central counterweight 40t 360° full slewing					
Length of main boom (m)		72	78	84	90	96	102
Boom head used for wind power setup (m)		7					
Radius (m)	Parts of line						
	9	9	9	9	8	8	
16		140	140/17	140/17			
18		135	135	133	131	130/19	130/19
20		135	132.1	131.9	129.7	125	121
22		122.4	118.6	117.5	114.9	107	99
24		108.9	105.4	104.6	100.4	90.9	79.2
26		97.2	93.1	91.5	87.5	80.0	72.5
28		86.5	82.4	81.9	75.2	69.8	63.9
30		74.7	70.7	68.9	64.0	59.9	56.7
34		60.3	58.6	57.4	52.7	50.4	48.6
38		48.2	46.8	44.6	42.8	41.8	40.3
42			38.7	36.9	34.7	33.8	33.6
46			30.7	28.8	28.6	27.8	27.5
50					23.9	23.0	22.1
Wind speed m/s		9					

Rear counterweight 180t + additional counterweight 20t		
S-boom length (m)	96	102
HS-jib length (m)	7	
Reeving	9	9
Radius (m)		
19	140	140
20	132	132
22	116	115
24	90.9	90
26	80.0	72.5
28	69.8	63.9
30	59.9	56.7
Wind speed m/s	9	

Lifting performance on SW boom

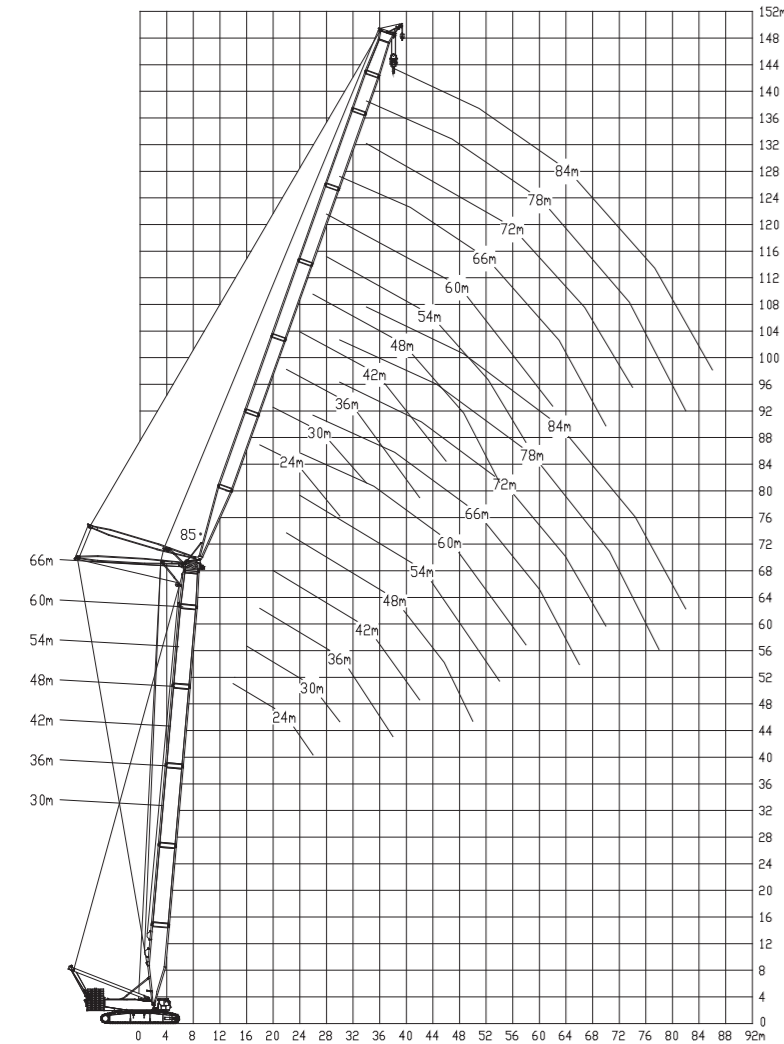


Table of Standard Luffing Jib Lifting Capacity (I) (SW Boom)

Unit of measurement: t

Rear counterweight 180t Central counterweight 40t 360° full slewing																			
Main boom (m)	30																		
Luffing jib (m)	24			30			36			42			48			54			
Radius (m)	Working angle of main boom (°)						Working angle of main boom (°)						Working angle of main boom (°)						
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	
14	220.5																		
16	188.5			187.1															
18	158.2			156.6			155.8												
20	138.1			136.5			135.1			133.4									
22	120.5			119.3			118.0			116.9			115.6						
24	107.6	100.0		106.5			105.3			104.3			103.2			101.6			
26	97.1	89.7		96.0	88.6		94.6			93.8			92.8			91.8			
28		81.6		87.2	80.5		86.0			84.7			83.9			83.0			
30		74.6		79.8	73.5		78.5	72.5		77.4			76.2			75.5			
34			58.9	62.2	66.0	61.1	64.8	60.0		64.4	58.9		63.9						
38			51.0	53.8	49.9	57.1	52.7	56.0	51.6	55.4	50.6		54.3	49.2					
42				43.6	46.1	42.3	49.0	44.8		48.3	44.0		47.1	42.5					
46							37.2	39.6	36.0	42.6	38.5	35.0	41.5	37.3					
50							33.2	35.1	31.9	37.9	34.1	30.9	36.8	32.9	29.3				
54								28.5		30.5	27.4	32.8	29.2	25.7					
58											24.4	26.1	22.7						
62													23.4	20.2					
66																			18.0

Table of Standard Luffing Jib Lifting Capacity (II) (SW Boom)

Unit of measurement: t

Rear counterweight 180t Central counterweight 40t 360° full slewing																			
Main boom (m)	30																		
Luffing jib (m)	60			66			72			78			84						
Radius (m)	Working angle of main boom (°)						Working angle of main boom (°)												
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	
26	91.0																		
28	82.0			81.1			76.8												
30	74.4			73.6			72.9			61.1									
34	62.8			62.2			60.6			59.9			59.3						
38	53.7			53.0			51.8			51.1			50.4						
42	46.5	41.7		45.8			44.6			43.9			43.1						
46	40.7	36.4		40.0	35.5		38.7	34.1		38.0			37.1						
50	35.9	31.9		35.2	31.1		33.9	29.7		33.5	29.2		32.6						
54	31.9	28.2	24.6	31.1	27.3		29.9	25.8		29.3	25.4		28.4	24.0					
58	28.6	25.1	21.5	27.9	24.0	20.5	26.5	22.5		26.0	22.1		25.1	20.7					
62	24.5	21.2	18.9	25.0	21.2	17.9	23.4	19.6	16.3	23.0	19.2		21.9	18.0					
66		18.9	16.8	21.3	18.9	15.6	20.9	17.2	14.1	20.4	16.7	13.4	19.1	15.5					
70			14.1		15.9	13.8	18.7	15.2	12.1	17.2	14.7	11.0	17.2	13.3	10.2				
74						12.1	15.8	13.3	10.4	15.2	12.8	9.4	15.2	11.6	8.4				
78							10.2			11.2	8.5	13.7	10.7	7.9	13.7	9.9	7.0		
82											7.3		9.2	6.7	11.0	8.0	5.7		
86													5.6		6.9	4.3			
90															5.7				

Table of Standard Luffing Jib Lifting Capacity (III) (SW Boom)

Unit of measurement: t

Rear counterweight 180t Central counterweight 40t 360° full slewing																			
Main boom (m)	36																		
Luffing jib (m)	24			30			36			42			48			54			
Radius (m)	Working angle of main boom (°)						Working angle of main boom (°)						Working angle of main boom (°)						
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	
16	184.5																		
18	156.8			155.1			154.1												
20	135.5			134.0			132.6			130.6									
22	119.8			118.5			117.3			116.0			114.3						
24	106.9			105.8			104.8			103.5			102.5			101.6			
26	96.5	87.6		95.2			94.3			93.2			92.2			91.1			
28	87.8	79.5		86.5	78.3		85.4			84.4			83.5			82.5			
30		72.5		78.3	71.3		78.0	70.2		76.8			75.9			75.1			
34		61.6	56.3	66.8	60.5		66.4	58.9		65.1	57.9		64.6			62.7			
38			48.4	52.1	47.1		56.7	51.0		54.9	49.8		54.4	48.8		53.8			
42					41.1		44.5	39.7		48.0	43.4		47.5	42.3		46.7	41.0		
46						36.2	39.3	35.0		38.0	33.6	41.8	37.1		40.6	35.7			
50								31.0		33.8	29.6	37.2	32.9	28.4	35.9	31.4			
54											26.1	29.3	25.0	32.0	27.8	23.2			
58												23.3	26.3	22.1	24.7	20.4			
62															19.6	22.1	18.0		
66																			15.9
70																			14.2

Table of Standard Luffing Jib Lifting Capacity (XII) (SW Boom)

Unit of measurement: t

Rear counterweight 180t Central counterweight 40t 360° full slewing																				
Main boom (m)	60																			
Luffing jib (m)	60			66			72			78			84							
Radius (m)	Working angle of main boom (°)						Working angle of main boom (°)													
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°					
28	77.5																			
30	69.7			69.4																
34	58.5			58.1			56.3				54.1									
38	49.8			49.2			48.2				47.7								46.5	
42	43.3			42.2			40.7				40.1								39.4	
46	37.8			37.1			35.8				35.2								34.4	
50	33.0	22.8		32.0			30.9				30.7								29.3	
54	29.3	19.5		28.4	18.4		27.1	16.7			26.8								25.4	
58	26.1	16.9		25.1	15.6		23.5	14.0			22.9	13.5							22.2	
62	23.3	14.5		22.2	13.4		20.6	11.7			20.2	11.2							18.9	9.9
66		12.5		19.5	11.3		18.1	9.8			17.5	9.2							16.5	7.8
70		10.8		17.4	9.8		15.9	8.0			15.3	7.5							14.3	6.1
74		9.3		8.2			14.1	6.5			13.5	6.0							12.3	4.6
78				6.9			5.1				11.9	4.6							10.6	
82				5.9							10.4								9.1	
86																			7.9	

Table of Standard Luffing Jib Lifting Capacity (XIII) (SW Boom)

Unit of measurement: t

Rear counterweight 180t Central counterweight 40t 360° full slewing																						
Main boom (m)	66																					
Luffing jib (m)	24			30			36			42			48			54						
Radius (m)	Working angle of main boom (°)						Working angle of main boom (°)						Working angle of main boom (°)									
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°				
18	146.2																					
20	127.9			127.1																		
22	113.6			111.8			110.4															
24	101.0			100.3			98.9				97.7											
26	90.5			89.7			88.4				87.3								86.8			
28	81.8			80.6			79.5				79.2								77.2	76.0		
30	75.4			73.8			72.7				72.3								70.5	70.0		
34		50.3		62.8			61.6				61.2								59.3	58.3		
38		43.2		41.9			53.2	40.1			52.4								51.3	50.3		
42		37.5		36.0			46.7	34.5			45.5	33.0							44.7	42.8		
46				31.4			29.8	28.5			39.7	28.5							39.0	27.3	37.7	
50				19.3			17.5	26.1			24.7	23.5							34.1	23.5	32.9	21.7
54				16.9			15.1	23.0	13.3		21.5	20.5							30.6	20.5	29.3	18.6
58							13.2				11.3	18.9	9.9						17.7		26.1	16.0
62											9.8								8.2	15.5	6.8	13.9
66																			6.8	13.8	5.5	12.0
70																			5.7			10.4
74																						9.8

Table of Standard Luffing Jib Lifting Capacity (XIV) (SW Boom)

Unit of measurement: t

Rear counterweight 180t Central counterweight 40t 360° full slewing																					
Main boom (m)	66																				
Luffing jib (m)	60			66			72			78			84								
Radius (m)	Working angle of main boom (°)						Working angle of main boom (°)														
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°						
28	71.6																				
30	68.1			62.7																	
34	57.2			56.7			54.9				47.5										
38	49.1			48.1			47.0				46.4								41.8		
42	42.3			41.7			40.2				39.9								38.7		
46	36.9			36.0			34.5				34.2								33.4		
50	32.4	20.7		31.5			30.2				29.7								28.8		
54	28.4	17.5		27.5	16.5		26.3				25.6								24.6		
58	25.3	14.9		24.4	13.9		22.9	12.0			22.4	11.6							21.4		
62	22.7	12.8		21.4	11.7		20.0	9.9			19.4	9.5							18.4	8.0	
66		10.8		18.9	9.8		17.4	8.0			17.1	7.6							16.0	6.1	
70		9.2		16.8	8.1		15.5	6.4			15.0	5.9							13.5	4.4	
74		7.8		6.7			13.7	4.9			13.1	4.4							11.8		
78				5.5							11.6								10.1		
82				4.4							10.1								8.7		
86																			7.5		

Lifting performance on SF boom

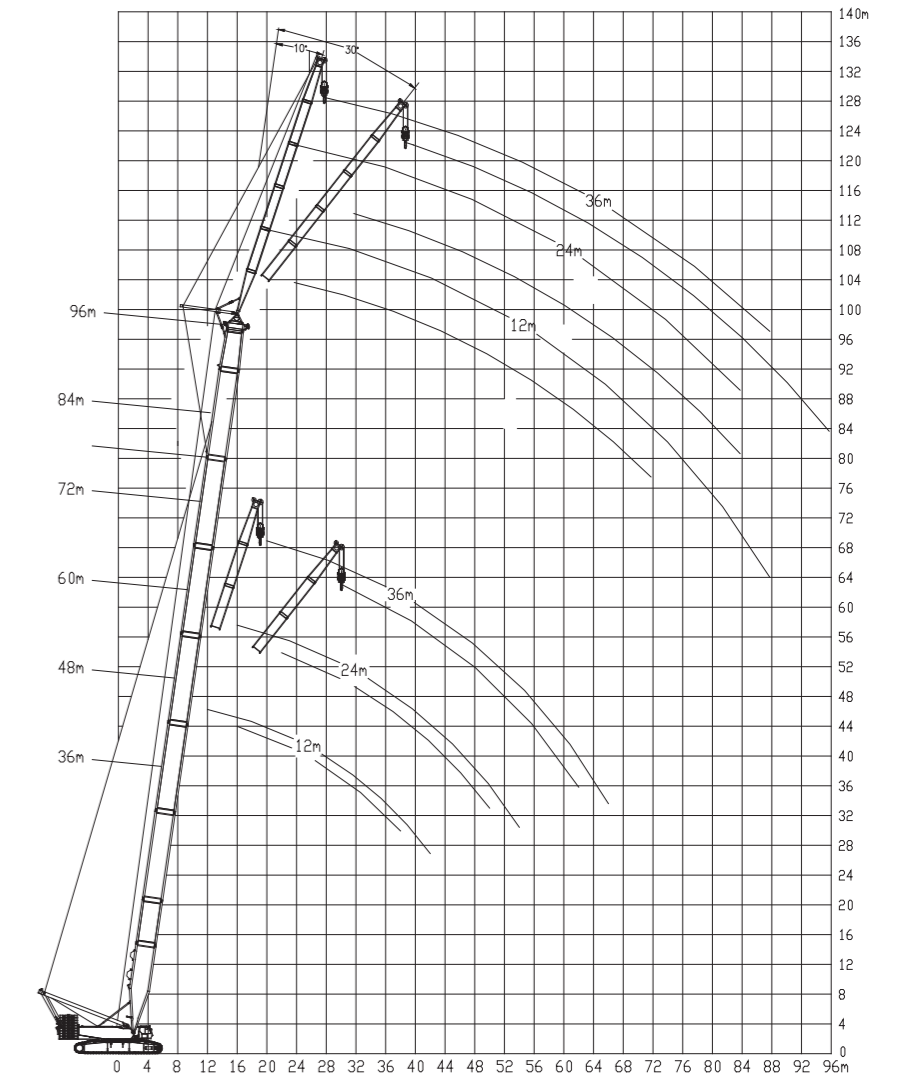


Table of Standard Fixed Jib Lifting Capacity (I) (SF Boom)

Unit of measurement: t

Rear counterweight 180t Central counterweight 40t 360° full slewing																		
Main boom (m)	36						48						60					
Fixed jib (m)	12	24	36	12	24	36	12	24	36	12	24	36	12	24	36	12	24	36
Radius (m)	Jib set angle (°)						Jib set angle (°)						Jib set angle (°)					
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
12	110																	
14	86.3						98.6											
16	77.3	36	47.5				87.4						96.4					
18	70.1	34.3	43.2				80.2	36	47.1				87.4	37.7	48.7			
20	63.9	32.6	39.4			26.8	74	34.6	43.3				81.8	36	45.7			
22	58.3	30.9	36.2	19.9	25		68.4	33.2	40.4			28.8	76.2	34.3	42.8			28.7
24	54.4	29.8	34.1	18.6	23.8		63.5	31.5	37.6	19.9	24.8		70.5	33.2	40.7			27
26	50.4	28.1	31.6	17.7	22.5		59.6	30.3	34.9	18.6	23.6		67.1	32	38.6	19.2		25
28	47.3	27.3	29.3	17	21.3		55.3	29.2	33.7	18.3	22.8		62.7	30.9	36	18.5		23.7
30	44.3	26.4	27.5	16.5	20.5	12.4	52.5	28.1	31.8	17.1	21.6		59.5	29.8	34.1	17.9		22.6
34	39.6	24.4	24.4	15.4	18.4	11.2	47	26.4	28.2	16.2	19.9	11.4	53.6	28.1	31.8	16.8	20.7	11.3
38	35.7	23.6	21.8	14.1	16.7	10.3	42.6	25.3	25	14.9	18.5	10.3	44.9	26.8	28.7	15.8	19.5	10.5
42	33		19.7	13	14.7	9.2	39	24.1	23	14.2	17	9.6	38.1	25.5	25.9	14.8	18.2	10.3
46			18	12.4	13.2	8.4	35.9	23.4	20.9	13.6	15.4	9.3	32.6	24.4	23.4	14	16.8	9.4
50			16.7	11.8	12.4	8	30.9		19.4	12.8	13.8	8.7	28.3	23.8	21.6	13.4	15.5	9.3
54			15.5		11.5	7.5	27.3		17.8	12.3	13	8.3	24.4	23.4	20.3	12.8	14.3	8.5
58					10.6	7.3			16.9	11.7	12.2	7.5	21.2		19	12.3	13.2	8.2
62					9.8	7.1			15.8		11.2	7.4	18.2		17.8	11.8	12.4	7.7
66					9.3				15		10.5	7.1			16.7	11.4	11.7	7.4
70											9.8	6.9			15.6		11	7.2
74												9.3			13.5		10.4	6.9
78																	9.9	6.7
82																		9.5
86																		8.9

Table of Standard Fixed Jib Lifting Capacity (II) (SLF Boom)

Unit of measurement: t

Rear counterweight 180t Central counterweight 40t 360° full slewing																		
Main boom (m)	72						84											
Fixed jib (m)	12	24	36	12	24	36	12	24	36	12	24	36						
Radius (m)	Jib set angle (°)						Jib set angle (°)											
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°						
16	99.8																	
18	93												98.6					
20	86.3	36.2	47.9										94.2					
22	81.8	34.9	45										87.4	35.6	46.3			
24	76.8	33.8	42.9			27							80.6	34.5	44.3			
26	72.4	32.7	40.9			25.8							73.1	33.6	42.3			26.6
28	68.9	31.7	38.9	19.3	25								65.9	32.7	40.3			25.8
30	63.7	30.8	37	18.5	23.8								60.3	31.7	39.1	19		24.6
34	52.5	29.1	33.5	17.4	21.6								51	30.2	35.8	17.8		23.6
38	44.3	27.8	31.2	16.4	19.9	11.3							42.5	28.7	32.7	16.9	21.8	11.6
42	37.4	26.6	28.5	15.5	18.9	10.3							35.9	27.5	30.7	16	19.7	11.2
46	31.9	25.4	26	14.6	17.7	10.3							30.4	26.5	28.6	15.1	18.9	10.5
50	27.3	24.5	24.3	14	16.7	9.3							25.4	25.4	26.2	14.5	17.9	10
54	23.4	23.7	22.4	13.4	15.7	9.2							21.2	22.6	23.8	13.8	16.8	9.5
58	19.9	20.8	20.7	12.8	14.7	8.4							17.9	19.1	20.6	13.3	15.9	9
62	16.9	17.7	19.1	12.4	13.6	8.2							15.2	16	17.4	12.8	15	8.5
66	14.5		16.3	11.9	12.8	7.7							12.6	13.3	14.7	12.4	14.3	8.2
70	12.2		14	11.5	12.2	7.4							10.5	11	12.5	11.9	13	7.8
74	10.3		11.9	11.3	11.5	7.2							8.6		10.5	11.6	11.9	7.5
78			10.1		10.9	7							6.8		8.7	9.8	10	7.3
82			8.4		9.5	6.8							5.4		7.1	8	8.3	7
86			6.9		8	6.6							4.1		5.6		6.8	6.8
90					6.6								3.1		4.4		5.4	6.7
94					5.3												4.2	5.4
98					4.1													3

Lifting performance on SDB boom

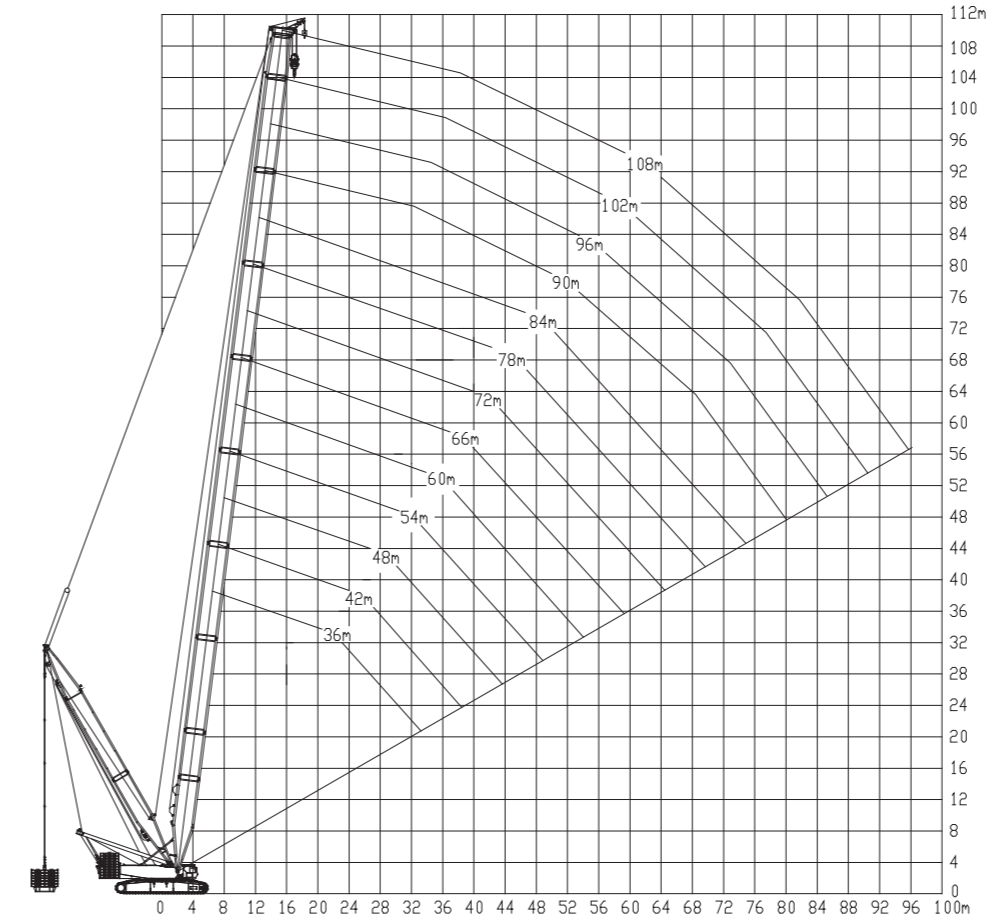


Table of Lifting Capacity of Main Boom in Superlift Operating Mode (I) (SDB Boom)

Unit of measurement: t

Length of main boom 36-108m Superlift mast 32m Superlift radius 15m Rear counterweight 180t Central counterweight 40t Superlift counterweight 300t							
Length of main boom (m)	36	42	48	54	60	66	72
Radius (m)	Parts of line						
	2*23	2*23	2*22	2*19	2*18	2*16	2*14
7	650						
8	650	650	622.0				
9	650	650	622.0	550.0	527.4		
10	650	650	622.0	550.0	527.4	462.0	411.0
12	630	620	622.0	550.0	527.4	462.0	411.0
14	585	565	535.0	525.0	527.4	462.0	411.0
16	526.5	525	505.0	500.0	480.0	450.0	411.0
18	460.5	465	457.5	451.6	432.0	426.0	405.0
20	406	415	410.8	405.9	393.0	392.0	382.0
22	355.2	366.45	372.5	368.1	360.0	358.2	359.9
24	316.5	333.9	340.3	336.5	327.0	325.5	326.9
26	285.9	300.3	313.0	309.5	300.0	298.0	299.0
28	259.3	269.85	286.4	282.9	276.0	274.4	275.3
30	231.4	242.5	261.2	257.9	256.0	246.0	246.8
34		202.6	215.2	225.7	223.0	219.0	218.0
38		172.3	186.4	193.8	195.0	193.1	191.0
42			157.0	165.9	172.0	170.1	165.0
46				143.0	152.0	150.3	146.0
50					132.0	133.0	129.5
54					115.0	116.1	114.5
58						103.1	102.8
62							
Wind speed m/s	14.3		12.8		11.1		

Table of Lifting Capacity of Main Boom in Superlift Operating Mode (II) (SDB Boom)

Unit of measurement: t						
Length of main boom (m)	78	84	90	96	102	108
Radius (m)	Parts of line					
	2*12	2*11	2*10	2*9	2*7	2*7
12	351.0	311.0	291.9	256.5		
14	351.0	311.0	290.9	255.5	220.2	192.9
16	351.0	311.0	289.9	252.5	217.2	190.9
18	346.0	311.0	288.9	250.5	214.1	188.9
20	339.0	311.0	287.9	248.5	212.1	185.8
22	329.0	307.0	276.7	244.4	210.1	183.8
24	318.0	299.0	266.6	238.4	205.0	180.8
26	295.0	291.0	256.5	233.3	200.0	175.7
28	273.0	268.0	239.4	228.3	194.9	171.7
30	245.2	242.0	219.2	215.1	189.9	166.7
34	212.1	211.0	188.2	185.4	175.0	157.2
38	184.4	178.0	161.9	159.9	157.6	146.0
42	163.1	153.0	140.4	138.4	137.4	133.3
46	144.9	138.0	124.8	122.8	121.8	119.2
50	129.0	121.8	111.2	109.2	108.4	106.6
54	113.1	111.4	99.5	97.5	97.0	95.4
58	102.2	101.8	90.4	88.2	87.7	85.9
62	93.0	91.1	81.8	80.1	79.6	77.6
66	85.0	85.0	74.7	72.7	72.2	70.2
70		75.0	67.7	66.3	66.2	64.1
74		65.9	58.8	59.9	60.2	58.6
78			53.5	53.5	54.5	52.5
82				47.1	47.0	46.5
85					44.6	43.7
86					43.1	42.5
90					38.6	37.7
94						33.3
Wind speed m/s	11.1			9		

Lifting performance on SLDB boom

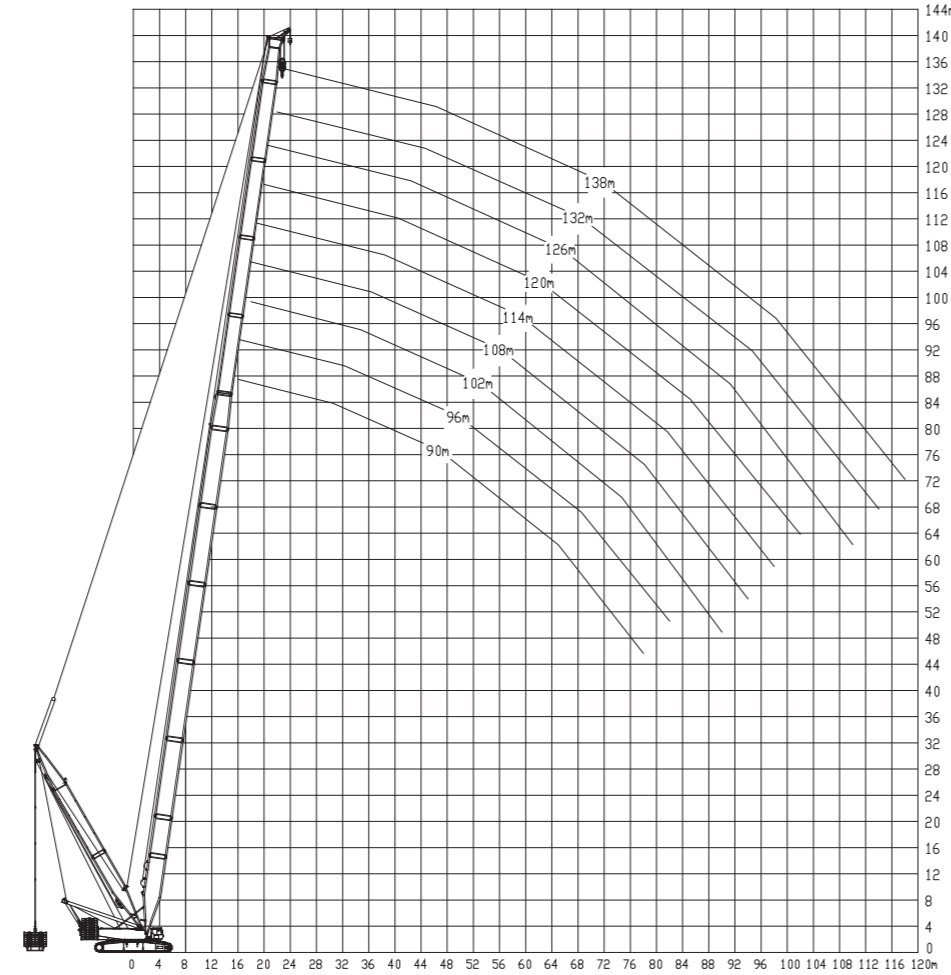


Table of Lifting Capacity of Light Duty Boom in Crane Superlift Operations (I) (SLDB Boom)

Unit of measurement: t									
SL-boom: 90-138m Derrick boom: 32m Suspended ballast radius: 15m Rear counterweight: 180t Central counterweight: 40t Suspended ballast: 300t									
SL-boom length (m)	90	96	102	108	114	120	126	132	138
Reeving Radius (m)									
	2*9	2*8	2*7	2*5	2*5	2*4	2*4	2*4	6
12	258.0	223.7							
13	258.0	222.6							
14	258.0	222.6	192.6	159.2	139.4	127.0			
16	258.0	221.6	192.6	156.0	137.4	125.8	113.4	100.4	85.8
18	258.0	220.6	192.4	152.9	135.3	124.8	112.3	99.4	83.6
20	255.9	219.5	190.8	150.9	134.2	122.7	112.3	98.3	82.6
22	250.7	217.5	188.1	147.8	132.1	121.7	111.3	97.2	81.5
24	244.5	213.3	184.3	144.6	131.1	119.7	110.3	96.2	80.5
26	239.3	210.2	181.1	141.5	129.0	118.6	109.3	95.1	78.5
28	233.0	207.1	177.9	138.4	127.0	116.6	108.2	94.1	77.3
30	220.6	201.8	173.6	135.2	124.8	115.4	107.2	93.1	76.3
34	198.7	185.1	161.8	129.0	121.7	111.3	105.0	90.9	74.2
38	172.7	173.9	153.3	123.8	117.6	108.2	103.0	89.9	71.1
42	151.9	160.1	143.5	118.6	112.3	104.0	100.9	88.9	69.0
46	134.2	141.4	130.7	112.3	108.2	100.9	97.8	86.8	65.9
50	120.7	126	120.1	107.2	103.0	96.8	94.6	85.8	63.7
54	109.3	113.1	110.7	101.9	98.9	93.6	91.5	83.6	60.6
58	99.4	102.2	100.5	96.8	94.6	89.5	88.5	81.5	57.6
62	91.0	92.7	91.8	89.0	88.5	85.3	85.3	78.5	54.4
66	83.7	84.5	83.9	81.7	81.1	80.6	80.1	76.3	51.3
70	77.0	77.2	76.8	74.9	74.3	74.3	73.8	72.7	48.1
74	71.3	70.8	70.1	69.2	68.7	68.7	68.2	67.4	43.9
78	64.1	65.5	64.7	63.9	63.4	63.4	62.9	62.2	40.8
82		59.1	59.5	59.8	59.3	58.8	58.3	57.6	37.7
85						56.7	56.2	55.4	36.5
86			55.3	55.1	55.1	54.6	54.1	53.3	35.4
90			51.1	49.9	50.8	51.1	50.7	49.6	34.4
94				43.7	46.1	46.9	46.9	45.7	33.4
98					41.6	42.6	42.9	42.0	32.3
102						38.6	39.2	38.6	31.2
Wind speed m/s	10								

Lifting performance on SHSDB boom

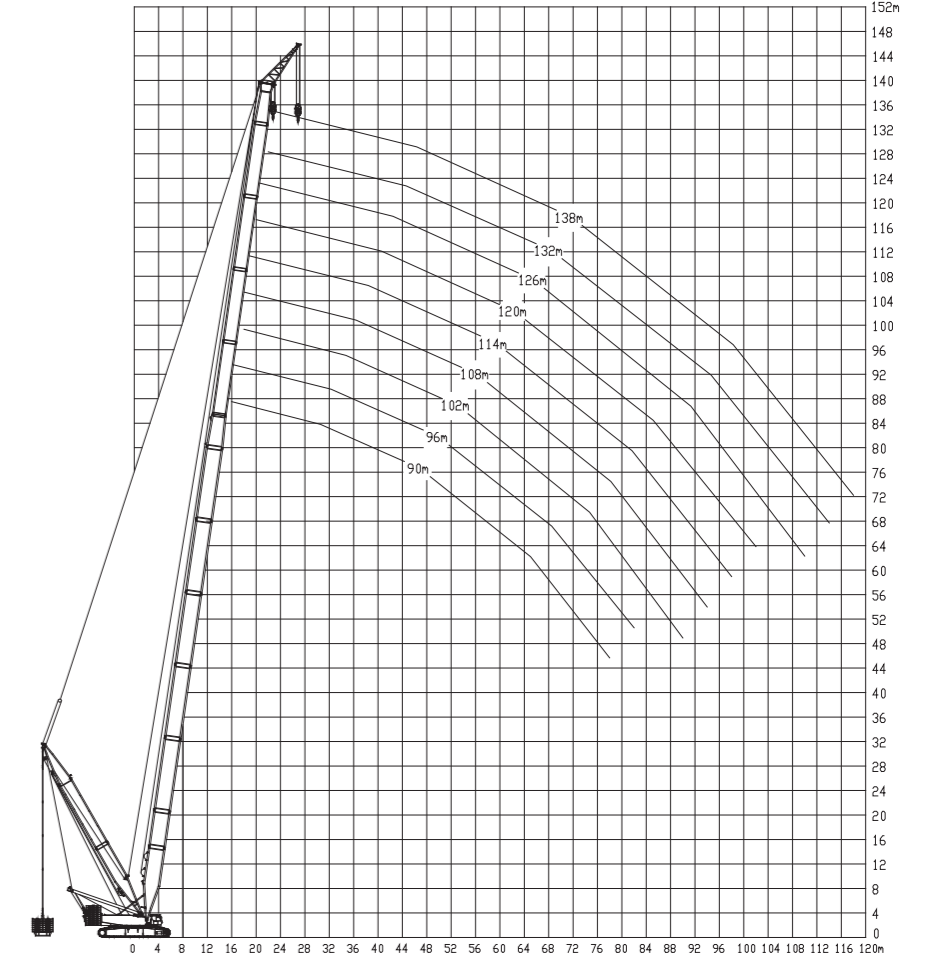


Table of Lifting Capacity in Superlift Crane Operating Mode with Boom Head used for Wind Power Setup (SHSDB Boom)

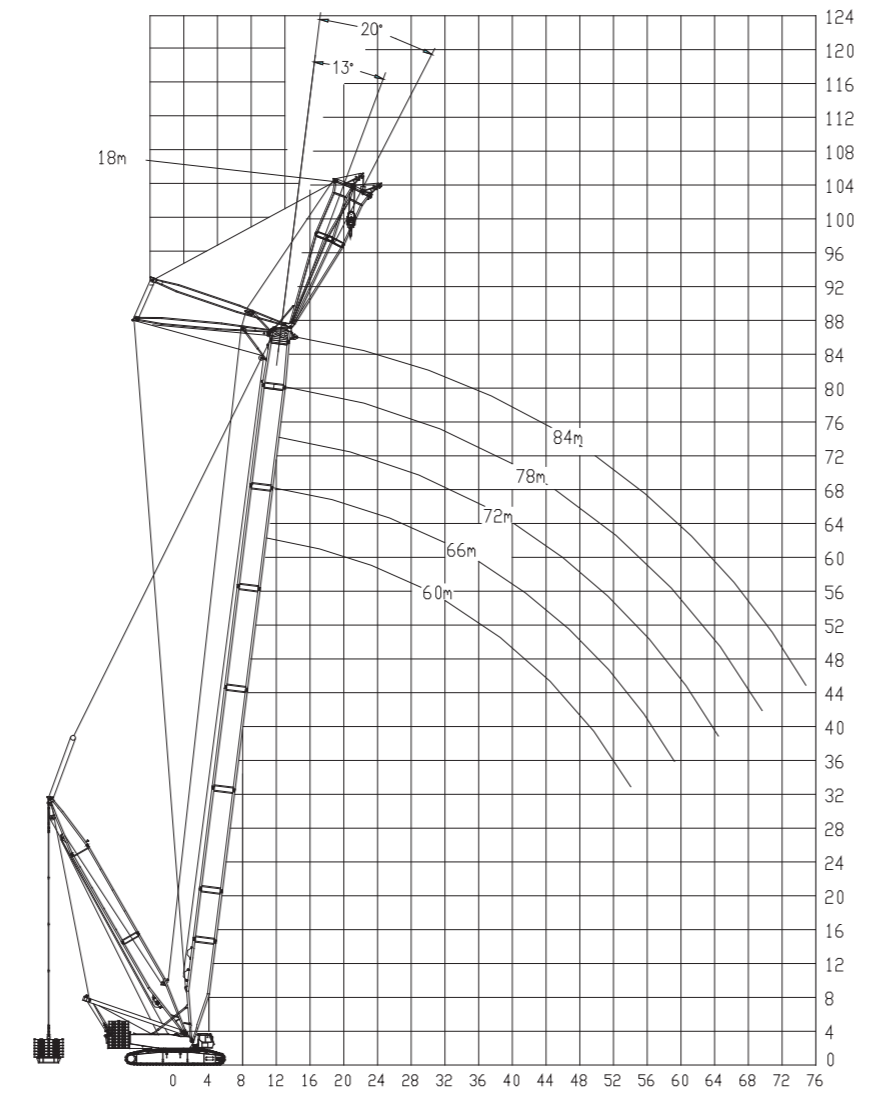
Unit of measurement: t

Superlift mast 32m Superlift radius 15m Rear counterweight 180t Central counterweight 40t Boom length (m)						
Length of main boom (m)	90		96		102	
Superlift counterweight (t)	0	100	0	100	0	100
Radius (m)	Parts of line					
	10	2*5	2*5	2*5	2*5	2*5
18	135	135	135/19	135/19	130/19	135/19
20	126	135	126.2	135	122.9	135
22	111.7	132	111.6	131	108.5	130
24	99.6	125	99.4	123.6	96.7	123
26	89.4	121	89.3	121.0	86.8	121
28	80.6	119	80.5	118.3	78.4	119
30	73.3	115	73.3	115.6	71.1	118.3
34	61.0	109	60.9	106	59.0	100.6
38	51.5	98.6	51.4	92.5	49.9	86.8
42	43.3	84.9	43.6	87.5	42.2	75.7
46	36.5	73.9	36.7	86.0	35.3	65.9
50	30.9	64.7	30.7	81.5	29.3	57.6
Wind speed m/s	9					

Superlift mast 32m Superlift radius 15m Rear counterweight 180t Ballast weight of vehicle body 40t				
Boom length (m)	108		114	
Superlift counterweight (t)	100	200	100	200
Radius (m)	Parts of line			
	2*5	2*5	7	7
20	135.0	135.0	110.6	115.3
22	133.0	133.0	110.3	114.9
24	130.1	130.1	109.9	114.1
26	127.4	127.4	105.6	113.5
28	124.6	124.6	102.3	112.3
30	116.7	121.7	99.6	110.9
34	99.3	116.1	98.0	109.5
38	85.6	111.4	84.3	105.8
42	74.6	106.7	73.4	101.1
46	65.3	95.3	64.4	94.7
50	57.0	84.4	56.4	83.8
Wind speed m/s	9			

Superlift mast 32m Superlift radius 15m Rear counterweight 180t Ballast weight of vehicle body 40t				
Boom length (m)	120	126	132	138
Superlift counterweight (t)	200	200	200	200
Radius (m)	Parts of line			
	6	6	5	5
22	91.9	85.1	75/23	
24	91.6	84.4	73.6	72.5
26	91.2	83.6	72.7	70.7
28	91.0	82.8	72.0	69.6
30	90.5	82.0	71.2	68.7
34	90.2	80.4	69.6	66.8
38	90.0	78.8	68.8	64.0
42	89.8	77.2	68.0	62.1
46	89.3	74.8	66.4	59.3
50	83.3	72.4	65.6	54.4
Wind speed m/s	9			

Lifting performance on SFVDB



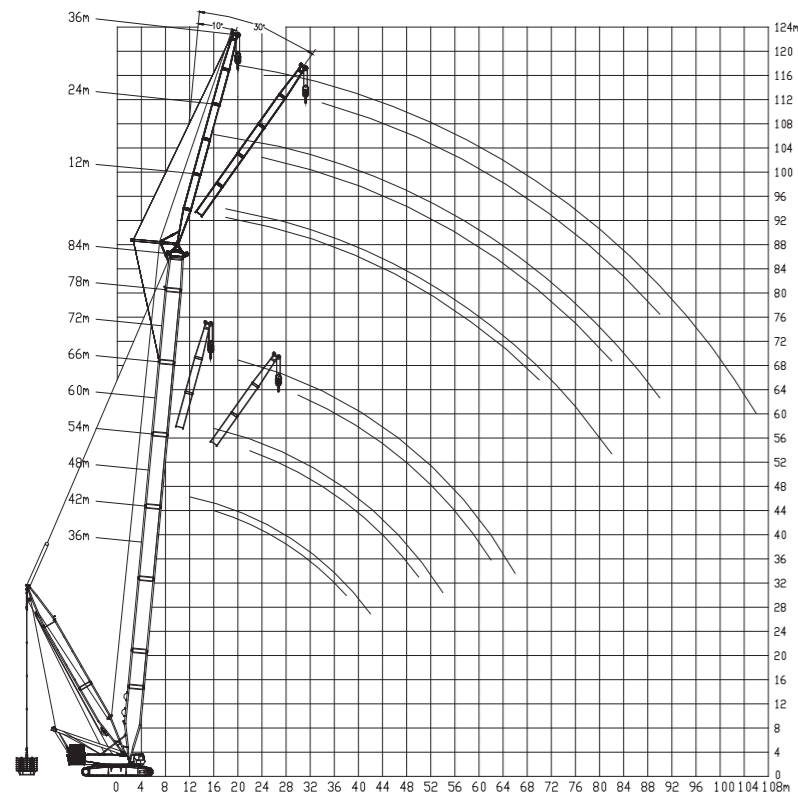
Lifting capacity on SFVDB

Unit of measurement: t

FV-jib angle: 13°, FV-jib:18 m, Suspended ballast radius:15 m, Rear counterweight:180t;

S-boom length(m)	60				66				72				78				84			
	Suspended ballast				Suspended ballast				Suspended ballast				Suspended ballast				Suspended ballast			
Radius (m)	0t	100t	200t	300t	0t	100t	200t	300t	0t	100t	200t	300t	0t	100t	200t	300t	0t	100t	200t	300t
18	134	236.9	343	379.7	131.5	235.4	338	379.7	129.2	231.9	332.9	360.9	142	228.2	286.2	286.2	124.3	224.7	251.7	251.7
20	114.7	203.3	296.6	362.5	113.6	203.1	296.3	362.5	111.5	202.8	296.1	360.9	126.8	200	286.2	286.2	107.1	197	251.7	251.7
22	98.8	177.3	260.1	346.4	98.4	176.9	259.7	341.9	97.2	176.7	259.3	337.6	109.3	176.2	259	286.2	93.2	174.4	251.7	251.7
24	86	156.7	230.9	316.5	85.6	156.2	230.5	312.6	85.1	155.7	230	308.5	95.3	155.2	229.6	274.1	81.7	154.7	229.1	248.9
26	75.6	139.7	207.2	288.4	75.1	139.2	206.6	287.4	74.5	138.6	206.1	283.7	83.7	138.1	205.5	252.2	72.1	137.5	205	230.0
28	67	125.7	187.4	261.8	66.3	125.1	186.8	261.2	65.7	124.5	186.2	260.8	73.9	123.8	185.6	233.0	63.8	123.2	185	213.3
30	59.6	113.7	170.7	239.4	59	113.1	170.1	238.8	58.3	112.5	169.4	238.2	65.1	111.8	168.8	213.8	56.7	111.1	168	195.8
34	47.9	94.8	144	203.4	47.2	94.1	143.3	202.8	46.4	93.3	142.5	202.1	57.7	92.6	141.8	184.6	44.9	91.7	141.1	172.8
38	38.9	80.1	123.6	176.1	38.1	79.4	122.9	175.3	37.3	78.6	122	174.5	45.7	77.8	121.3	159.3	35.7	77	120.4	154.5
42	31.8	68.7	107.5	154.4	30.9	67.9	106.8	153.6	30.1	67	105.8	152.8		66.2	105	139.3		65.2	104.1	136.3
46		59.4	94.4	136.8		58.5	93.6	136		57.6	92.7	135.3		56.7	91.9	120.9		55.8	90.9	119.2
50		51.6	83.6	122.2		50.7	82.8	121.4		49.7	81.8	120.6		48.9	81	107.8		48	80	106.3
54		45	74.5	110.1		44.3	73.7	109.3		43.3	72.7	108.3		42.3	71.8	96.8		41.3	70.9	95.1
58		39.4	66.7	99.5		38.6	65.9	98.7		37.7	64.9	97.9		36.7	64	87.3		35.7	63	85.4
62		34.6	59.9	90.5		33.8	59	89.7		32.8	58.2	88.8		31.8	57.2	79.2		30.8	56.2	76.8
66		30.2	54	82.5			53.2	81.7			52.2	81			51.3	72.0			50.4	68.0
70			48.6	75.5			47.9	74.9			46.9	73.9			46.1	65.8			45.1	62.1
74							43.2	68.5			42.3	67.7			41.4	60.2			40.5	56.7
78							38.9	62.8			38	62			37.2	55.1			36.2	51.9
82											34.2	56.9			33.4	50.6			32.5	47.7
86														30	46.5					43.8

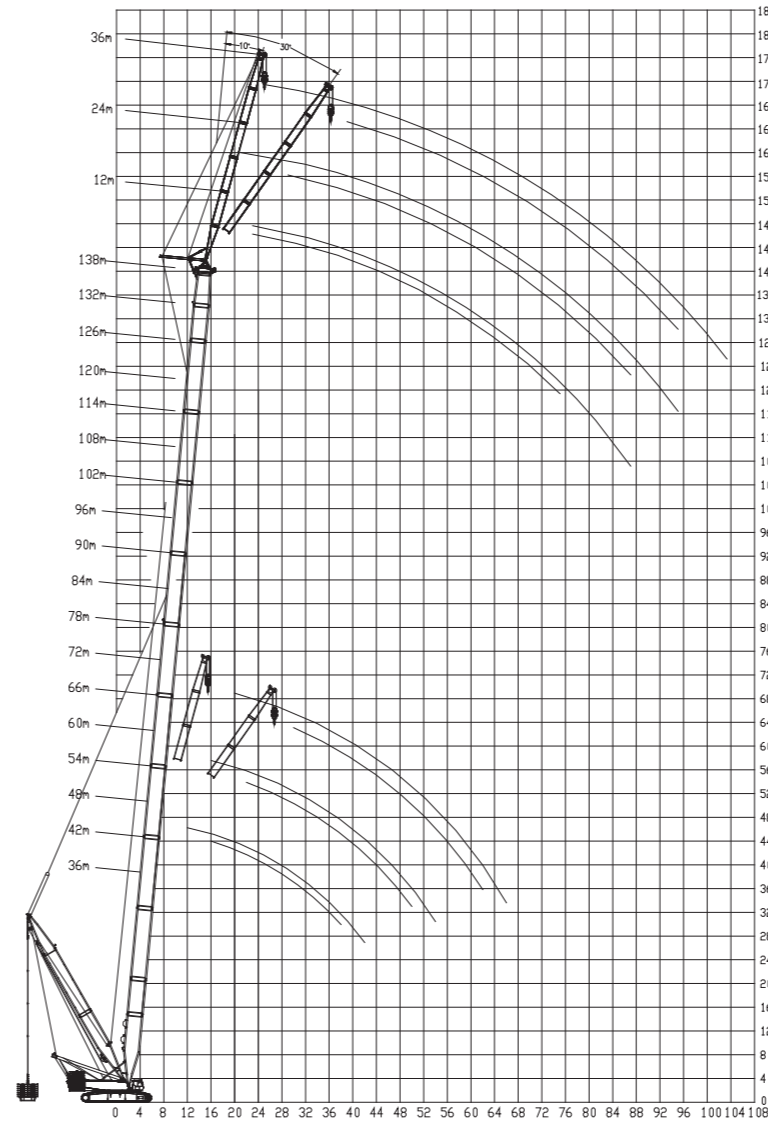
Lifting performance on SFDB



Unit of measurement: t

S-boom length(m)	84											
F-jib length (m)	12				24				36			
Radius (m)	F-jib angle (°)											
	10°		30°		10°		30°		10°		30°	
Suspended ballast	0	0-300	0	0-300	0	0-300	0	0-300	0	0-300	0	0-300
18	110	110										
20	105.2	105.2										
22	97.8	97.8	40.1	40.1	51.6	51.6						
24	92.6	93.2	38.9	38.9	49.7	49.7						
26	84	88.6	37.7	37.7	47.8	47.8			29.9	29.9		
28	77.1	83.4	36.7	36.7	45.8	45.8			28.8	28.8		
30	70.2	78.8	35.7	35.7	43.7	43.7	21.2	21.2	27.6	27.6		
34	59.8	73	33.9	33.9	39.7	39.7	19.9	19.9	25.3	25.3		
38	50	66.7	32.3	32.3	36.9	36.9	18.9	18.9	23.5	23.5	12.7	12.7
42	41.9	61	30.9	30.9	34.4	34.4	17.8	17.8	22.3	22.3	11.8	11.8
46	34.8	56.9	29.7	29.7	31.6	31.6	16.9	16.9	21.2	21.2	11.5	11.5
50	29.2	53	28.6	28.6	29.3	29.3	16.2	16.2	20	20	10.8	10.8
54	24.4	49.7	25.9	27.7	25.5	27.4	15.4	15.4	19	19	10.4	10.4
58	20.2	46.8	21.6	26.9	21.5	25.6	14.8	14.8	17.8	17.8	10	10
62	16.8	44.3	17.9	26.1	18.1	24	14.3	14.3	16.8	16.8	9.7	9.7
66	13.8	42	14.7	25.5	15.4	22.7	13.8	13.8	15.6	15.6	9.2	9.2
70	11.2	40	12	25.1	13	21.5	13.3	13.3	14.2	14.6	8.9	8.9
74	8.9	38.2			10.8	20.5	13	13	12	14	8.5	8.5
78	6.8	36.7			8.9	19.4	10.9	10.9	10	13.3	8.2	8.2
82	4.9	35.3			7.2	18.6	8.7	8.7	8.4	12.7	7.9	7.9
86		34.3			5.7	17.9			6.8	12.1	7.7	7.7
90					4.1	17.3			5.3	11.5	7	7.5
94									4	11		
98										10.6		
102										10.2		
106										9.7		

Lifting performance on SLFVDB



Unit of measurement: t

S-boom length(m)	90											
F-jib length (m)	12				24				36			
Radius (m)	F-jib angle (°)											
	10°		30°		10°		30°		10°		30°	
Suspended ballast	0	0-300	0	0-300	0	0-300	0	0-300	0	0-300	0	0-300
20	110	110										
22	100.1	104.7	40	40	51.9	51.9						
24	90.9	98.3	38.9	38.9	50.1	50.1						
26	82.8	92.6	37.8	37.8	48.5	48.5			29.9	29.9		
28	75.3	88	36.8	36.8	46.7	46.7			28.8	28.8		
30	65.2	80.4	35.9	35.9	44.9	44.9	21.4	21.4	27.6	27.6		
34	55.1	71.3	34.2	34.2	41.2	41.2	20.1	20.1	26.5	26.5		
38	46.3	64.8	32.5	32.5	37.8	37.8	19.1	19.1	24.2	24.2	13.5	13.5
42	37.9	59.9	31.2	31.2	35.7	35.7	18.1	18.1	23.1	23.1	12.7	12.7
46	31.1	55.6	30	30	32.9	32.9	17.1	17.1	22	22	12	12
50	25.5	52.1	27.5	28.9	28.1	30.6	16.4	16.4	20.9	20.9	11.3	11.3
54	21	48.8	22.5	27.9	23.3	28.5	15.8	15.8	19.9	19.9	10.7	10.7
58	17.4	46	18.7	27.1	19.4	26.7	15.1	15.1	18.7	18.7	10.2	10.2
62	14.3	43.4	15.5	26.3	16.3	25.1	14.5	14.5	17.7	17.7	9.8	9.8
66	11.6	41.3	12.6	25.8	13.5	23.7	14	14	16.6	16.6	9.3	9.3
70	9.3	39.3	10.1	25.2	11	22.4	13	13.6	15.5	15.5	9	9
74	7.2	37.5	7.9	24.7	11.4	21.3	10.7	13.2	14.5	14.5	8.6	8.6
78	5.3	36	5.9	24.4	9.2	20.4	8.5	12.9	14	14	8.3	8.3
82	3.6	34.6			7.2	19.4	6.6	12.5	13.2	13.2	7.8	8.1
86					5.5	18.6	4.9	12.3	12.7	12.7	7	7.8
90						17.9			11.5	11.5	6.4	6.4
94									11	11	4.9	4.9
98										10.6		
102										9.4		
106										8.1		
114										6.8		

Lifting performance on SWDB

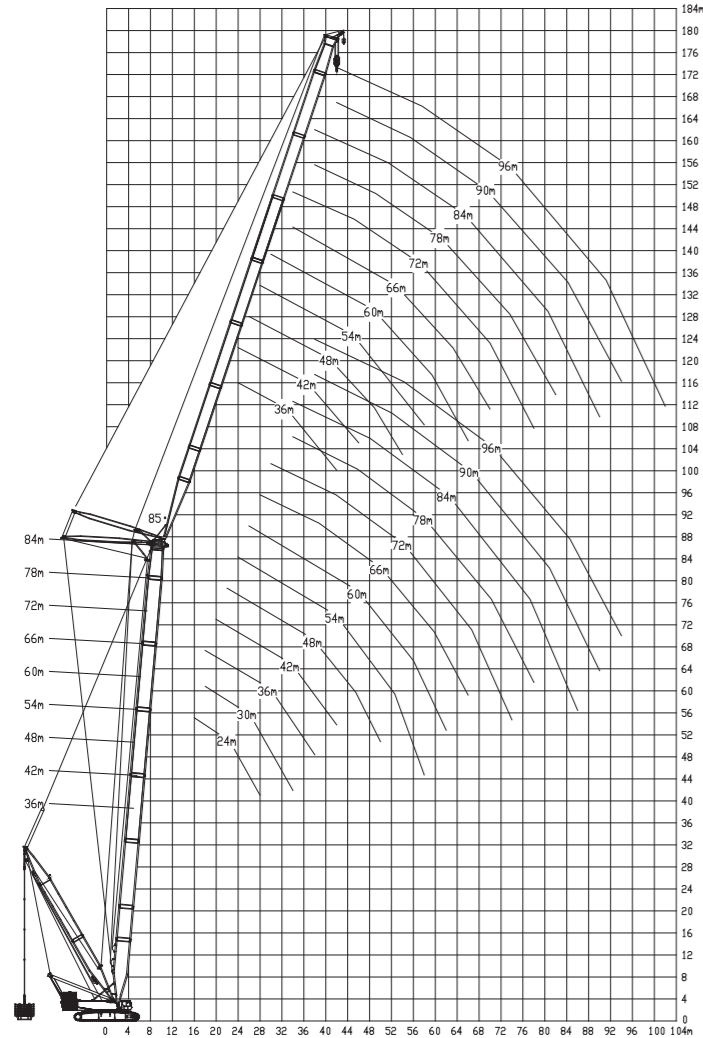


Table of Lifting Capacity of Luffing Jib in Superlift Operating Mode (I) (SWDB Boom)

Unit of measurement: t

Length of main boom 36m Main boom angle 85° Counterweight of slewing table 180t Central counterweight 40t
Superlift counterweight radius 15m Superlift counterweight 0-300t

Main boom 36m, Working angle 85 degree																	
Luffing jib (m)	24	30	36	42	48	54	60	66	72	78	84	90	96				
Radius (m)																	
16	330.0																
18	325.0	297.0	283.4														
20	320.0	297.0	283.4	270.0													
22	310.0	292.3	279.0	263.0	225.9												
24	290.0	276.1	263.6	252.0	225.9	190.0											
26	270.0	247.0	245.0	231.0	225.9	185.0	166.5										
28	232.0	219.0	220.0	212.0	211.0	176.0	158.4	144.0									
30		197.0	198.0	191.0	190.0	164.2	151.1	142.0	125.0								
34		159.0	160.0	160.0	169.0	147.9	136.1	127.1	113.7	96.0	78.7						
38			146.0	145.3	145.1	135.0	124.2	117.0	111.3	92.0	76.0	57.2	48.4				
42				125.0	123.0	122.0	120.0	109.0	103.0	86.0	73.5	56.1	47.2				
46					107.5	107.0	105.0	98.0	95.0	82.0	71.3	55.0	45.8				
50						96.0	95.8	95.3	90.5	88.0	77.0	69.5	53.0	44.4			
54							83.2	83.5	83.2	83.0	73.0	67.7	51.2	43.1			
58								71.6	71.5	71.2	69.0	65.9	49.0	41.9			
62									68.0	67.0	66.0	65.0	64.6	45.7	40.0		
66										55.6	59.0	60.0	61.0	42.0	38.0		
70											55.0	55.0	55.2	38.0	36.0		
74												51.5	50.0	49.9	35.0	34.0	
78													42.5	43.5	29.5	29.0	
82														38.8	26.7	26.5	
86															33.5	24.6	23.8
90																22.6	21.8
94																	20.0

Table of Lifting Capacity of Luffing Jib in Superlift Operating Mode (II) (SWDB Boom)

Unit of measurement: t

Length of main boom 42m Main boom angle 85° Counterweight of slewing table 180t
Central counterweight 40t Superlift counterweight radius 15m Superlift counterweight 0-300t

Main boom 42m, Working angle 85 degrees																	
Luffing jib (m)	24	30	36	42	48	54	60	66	72	78	84	90	96				
Radius (m)																	
16	327.5																
18	325.0	304.8															
20	322.5	298.2	270.5														
22	317.5	288.6	266.0	252.0													
24	307.5	272.1	254.8	243.0	206.5	196.2											
26	297.5	247.3	243.5	227.8	206.5	177.5	168.6										
28	278.5	221.3	224.5	210.7	197.9	170.6	156.7	148.9									
30		196.5	202.0	192.3	185.7	160.4	150.0	141.8	125.0								
34		164.2	166.2	166.1	170.6	145.2	138.5	127.1	113.4	94.6	76.1						
38			145.5	147.1	149.0	130.1	128.1	118.5	109.7	91.1	74.2	54.3	46.0				
42				125.1	126.1	116.4	120.5	110.3	102.5	86.3	72.4	53.3	44.8				
46					111.6	109.1	103.0	108.0	100.8	95.5	82.6	70.8	52.3	43.5			
50						97.9	93.4	96.8	92.3	89.0	78.5	69.8	50.4	42.2			
54							81.4	85.1	84.2	83.4	74.7	68.4	48.6	41.0			
58								73.7	73.8	73.9	70.6	66.9	46.5	39.8			
62									67.8	67.0	65.8	64.8	43.4	38.0			
66										60.1	60.3	60.8	61.3	39.9	36.1		
70											55.5	55.4	55.2	36.1	34.2		
74												50.4	49.8	49.9	33.3	32.3	
78													43.3	28.0	27.6		
82														38.8	25.4	25.2	
86															23.4	22.6	
90																20.7	
94																	19.0

Table of Lifting Capacity of Luffing Jib in Superlift Operating Mode (III) (SWDB Boom)

Unit of measurement: t

Length of main boom 48m Main boom angle 85° Counterweight of slewing table 180t
Central counterweight 40t Superlift counterweight radius 15m Superlift counterweight 0-300t

Main boom 48m, Working angle 85 degree																	
Luffing jib (m)	24	30	36	42	48	54	60	66	72	78	84	90	96				
Radius (m)																	
16	325.0																
18	320.0	312.6															
20	318.0	299.3	257.6														
22	309.0	285.0	253.0	241.0													
24	290.0	268.0	246.0	234.0	187.1												
26	253.0	247.5	242.0	224.6	187.1	177.8											
28	218.0	223.5	229.0	209.3	184.8	169.9	155.0										
30	202.0	196.0	206.0	193.7	181.4	165.2	149.0	141.6									
34		169.3	172.3	172.2	172.2	156.6	141.0	127.0	113.0	93.3	73.5						
38			145.0	149.0	152.9	142.5	132.0	120.0	108.0	90.2	72.5	51.6	49.0				
42				125.1	129.2	125.1	121.0	111.5	102.0	86.7	71.4	50.6	48.1				
46					106.3	110.7	110.9	111.0	103.5	96.0	83.1	70.3	49.6	47.2			
50						99.9	99.1	98.3	94.2	90.0	80.0	70.0	47.8	45.4			
54							90.9	86.6	85.2	83.8	76.4	69.0	46.2	43.9			
58								79.6	75.8	76.2	76.5	72.2	68.0	44.2	42.0		
62									69.0	68.5	68.0	66.5	65.0	41.2	39.1		
66										64.7	61.6	61.5	61.5	37.9	36.0		
70											56.0	55.8	55.2	34.3	32.6		
74												49.4	49.5	49.9	31.6	30.0	
78													42.1	43.1	26.6	25.3	
82														38.7	24.1	22.9	
86															33.5	22.2	21.1
90																21.1	20.0
94																	19.0

Table of Lifting Capacity of Luffing Jib in Superlift Operating Mode (VIII) (SWDB Boom)

Unit of measurement: t

Length of main boom 78m Main boom angle 85° Counterweight of slewing table 180t
Central counterweight 40t Superlift counterweight radius 15m Superlift counterweight 0-300t

Main boom 78m, Working angle 85 degrees														
Luffing jib (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	
Radius (m)														
20	210.7	197.0												
22	200.7	187.6	177.7											
24	189.0	179.1	169.2	162.3										
26	169.1	165.1	161.1	149.4	136.4									
28	156.0	153.9	151.9	141.9	130.8	124.3								
30	145.2	143.8	142.3	133.5	123.7	112.7	101.9							
34		102.3	122.7	118.0	112.4	103.2	94.1							
38			104.6	103.0	101.9	94.5	87.1	84.7	76.9					
42			99.9	93.8	90.9	84.2	77.5	73.4	69.2					
46				93.5	86.5	81.8	77.2	73.9	70.5	63.2	55.9			
50					79.8	76.5	73.3	70.2	67.2	60.6	54.0			
54					76.1	73.2	70.3	67.2	64.0	58.2	52.4	42.1	40.5	
58						69.5	65.8	62.7	59.7	54.4	49.0	40.4	38.9	
62							65.2	59.7	54.3	50.4	46.5	38.4	36.8	
66							60.7	55.9	51.2	47.6	44.1	36.0	34.1	
70								49.9	47.5	45.0	42.6	33.1	31.1	
74									46.0	43.8	41.0	30.5	28.4	
78									44.2	42.1	39.1	26.7	25.0	
82										40.4	37.8	24.4	21.8	
86											35.9	21.4	19.9	
90												19.8	18.7	
94													18.6	17.7

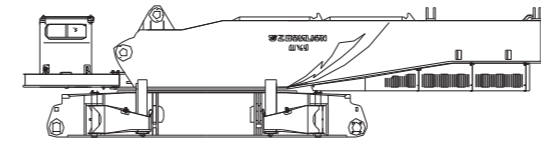
Table of Lifting Capacity of Luffing Jib in Superlift Operating Mode (IX) (SWDB Boom)

Unit of measurement: t

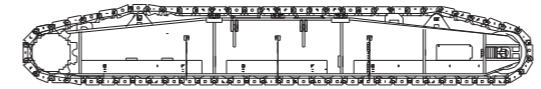
Length of main boom 84m Main boom angle 85° Counterweight of slewing table 180t
Central counterweight 40t Superlift counterweight radius 15m Superlift counterweight 0-300t

Main boom 84m, Working angle 85 degrees														
Luffing jib (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	
Radius (m)														
22	165.0	160.0												
24	156.1	153.0	150.0	145.5										
26	144.6	141.8	139.0	134.8	128.1									
28	132.1	129.5	127.0	123.2	117.0	111.2								
30	119.6	117.3	115.0	111.6	106.0	100.7	95.6	91.6						
34	101.5	99.6	97.6	94.7	89.9	85.4	81.2	78.6	76.0					
38		94.1	92.2	85.3	79.4	74.8	70.2	68.8	67.3	60.3	53.2			
42			88.0	78.5	75.3	71.4	67.5	65.1	62.6	56.9	51.1			
46				74.1	73.9	69.5	65.0	61.6	58.1	53.7	49.3	42.6	40.2	
50					72.6	68.5	64.3	59.5	54.6	50.6	46.5	41.0	38.8	
54					71.1	65.7	62.3	56.8	51.2	47.7	44.1	39.6	37.1	
58						62.1	60.3	54.2	48.1	44.6	41.1	37.9	34.6	
62							57.3	51.2	46.1	42.9	39.6	35.3	31.8	
66							53.0	47.8	44.6	41.1	37.6	32.5	28.8	
70								44.6	42.5	39.6	35.7	29.4	26.5	
74									40.7	37.7	34.6	27.1	22.4	
78									39.6	35.6	33.5	22.8	20.2	
82										32.5	32.4	20.7	18.7	
86											31.4	19.0	17.7	
90												30.3	18.1	16.8
94													17.2	16.0
98														15.2

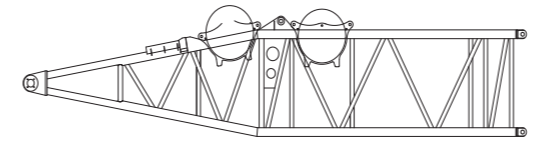
Transport Dimensions, Weights and Quantity of Main Components



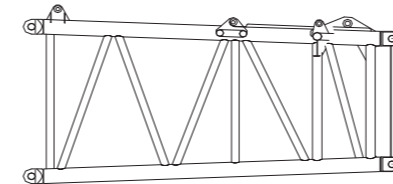
Basic machine	×1
Length	13500 mm
Width	3400 mm
Height	3465 mm
Weight	65t



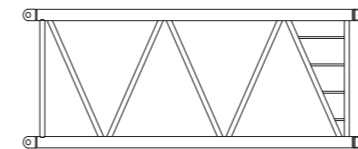
Crawler carrier	×2
Length	12000mm
Width	1680mm
Height	1800mm
Weight	55t



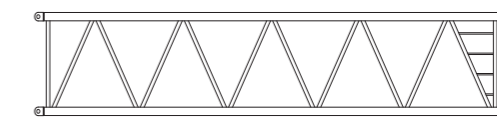
Bottom section of main boom	×1
Length	12400mm
Width	3100mm
Height	3350mm
Weight	20.7t



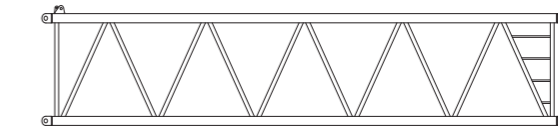
Top section of main boom	×1
Length	6700mm
Width	2945mm
Height	2800mm
Weight	5.4t



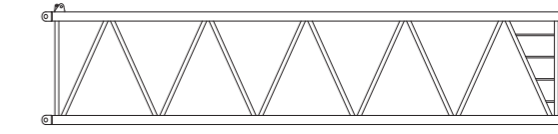
6M main boom intermediate section	×1
Length	6250mm
Width	2980mm
Height	3130mm
Weight	4.8t



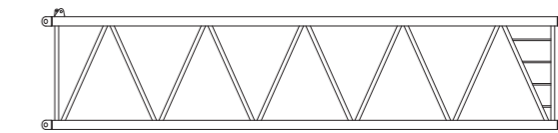
12M main boom intermediate section (A)	×1
Length	12250mm
Width	2980mm
Height	3130mm
Weight	10.5t



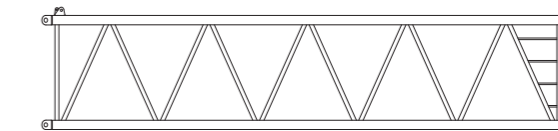
12M main boom intermediate section (A.S)	×1
Length	12250mm
Width	2980mm
Height	3130mm
Weight	10.5t



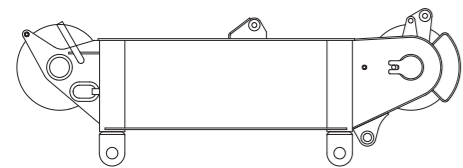
12M main boom intermediate section (B)	×3
Length	12250mm
Width	2980mm
Height	3130mm
Weight	9.5t



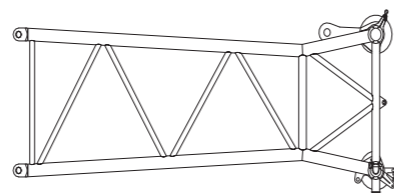
12M main boom intermediate section (C)	×1
Length	12250mm
Width	2980mm
Height	3130mm
Weight	9.15t



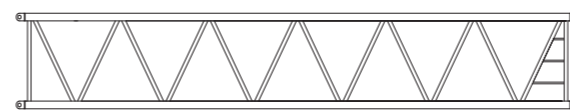
12M main boom intermediate section (C.S)	×1
Length	12250mm
Width	2980mm
Height	3130mm
Weight	9.15t



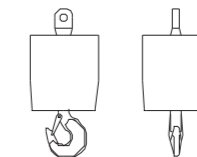
650t tower head	×1
Length	2615mm
Width	3620mm
Height	1055mm
Weight	3.9t



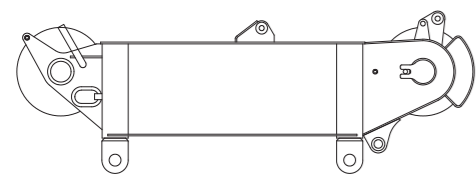
Top section of luffing jib	×1
Length	7090mm
Width	2545mm
Height	2755mm
Weight	3t



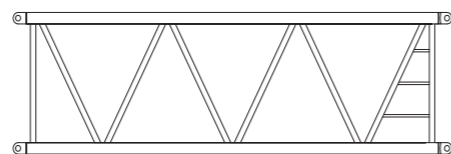
Intermediate section of superlift mast	×1
Length	12200mm
Width	2560mm
Height	2550mm
Weight	3.6t



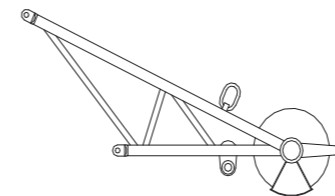
16t load hook	×1
Length	1155mm
Width	530mm
Height	530mm
Weight	0.9t



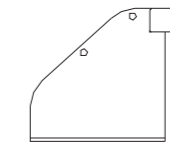
300t tower head	×1
Length	2615mm
Width	3620mm
Height	1170mm
Weight	2.8t



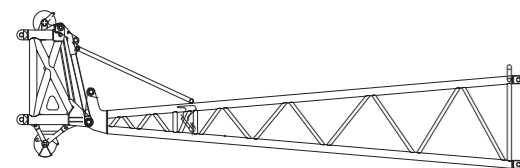
6M luffing jib intermediate section	×1
Length	6200mm
Width	2560mm
Height	2550mm
Weight	3.1t



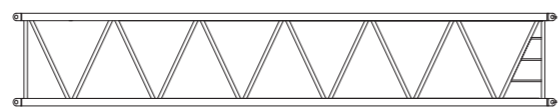
Gooseneck boom	×1
Length	2560mm
Width	1330mm
Height	680mm
Weight	0.2t



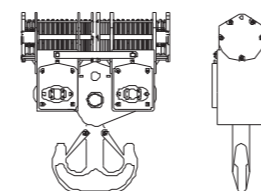
Rear counterweight carrier	×2
Length	2028mm
Width	2660mm
Height	1965mm
Weight	6.5t



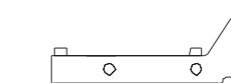
150t tower head + bottom section of luffing jib	×1
Length	18800mm
Width	2625mm
Height	3630mm
Weight	7.7t



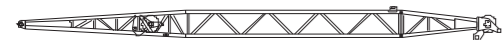
12M luffing jib intermediate section	×5
Length	12200mm
Width	2560mm
Height	2550mm
Weight	6.5t



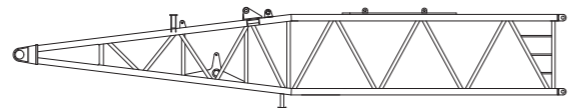
650t load hook	×1
Length	2490mm
Width	3040mm
Height	930mm
Weight	11.5t



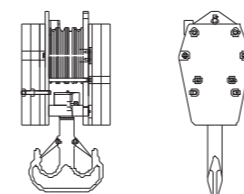
Central counterweight support	×2
Length	1990mm
Width	2560mm
Height	730mm
Weight	1.1t



Front bracing pole of luffing jib	×1
Length	17060mm
Width	2505mm
Height	1070mm
Weight	4.3t



Bottom section of superlift mast	×1
Length	13250mm
Width	2720mm
Height	2830mm
Weight	11.5t



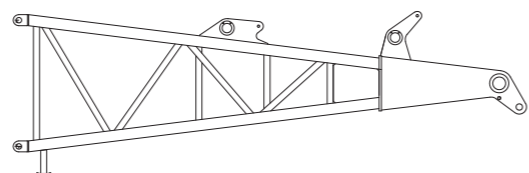
100t load hook	×1
Length	1965mm
Width	970mm
Height	800mm
Weight	4.1t



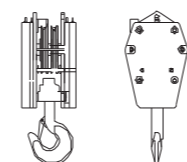
Base frame of counterweight during superlift operations	×1
Length	8100mm
Width	2800mm
Height	920mm
Weight	9t



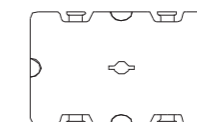
Rear bracing pole of luffing jib	×1
Length	16560mm
Width	2500mm
Height	845mm
Weight	6t



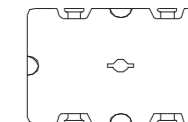
Top section of superlift mast	×1
Length	7650mm
Width	3000mm
Height	2870mm
Weight	4t



50t load hook	×1
Length	1965mm
Width	700mm
Height	800mm
Weight	2.65t



10t counterweight block	×46
Length	1700mm
Width	2400mm
Height	400mm
Weight	10t



5t counterweight block	×7
Length	1700mm
Width	2400mm
Height	310mm
Weight	5t