ZOOMLION

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ZOOMLION CRAWLER CRANE
ZCC1000V-1E5

VISION CREATES FUTURE

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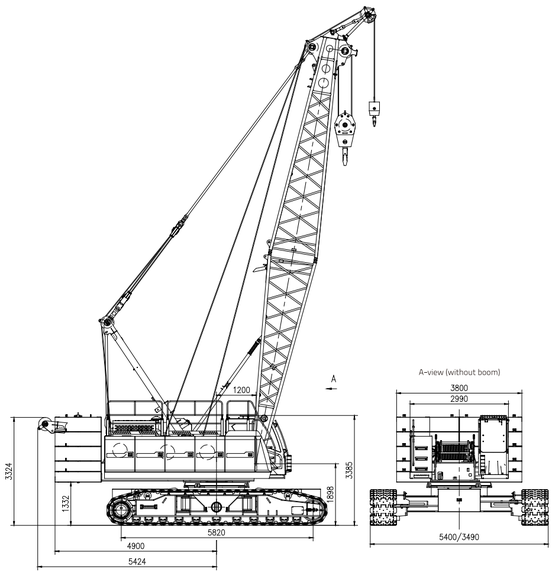
DIMENSIONS

Overall dimensions and major technical parameters

Overall dimensions of the crane



TECHNICAL HIGHLIGHTS

Efficient and stable control

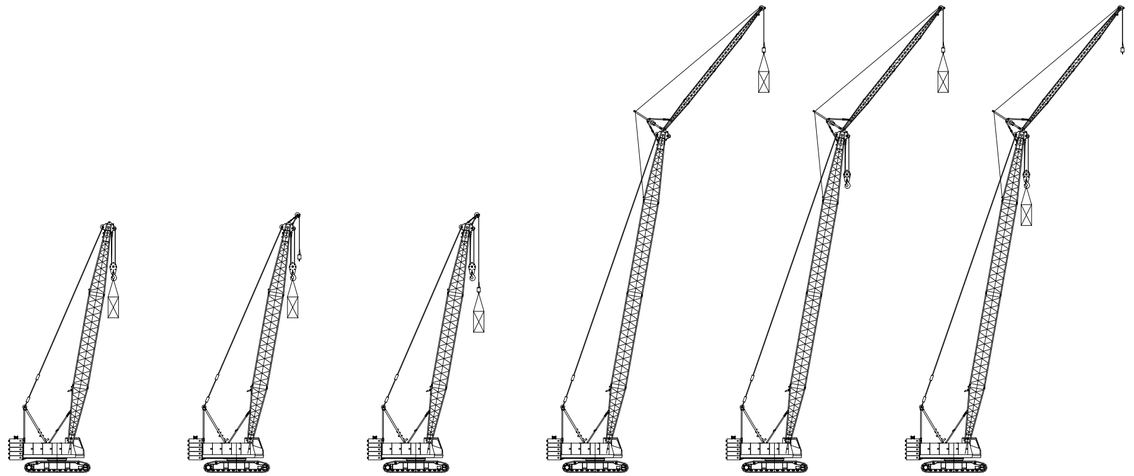
- All operations can be synchronized.
- Rope speed of the outermost layer on hoisting winch: 140m/min.
- The 9-plunger motor helps increase the micro-inching of winch with rated load by 2m/min, meeting the requirement of accurate installation.
- High-speed servo function of joystick provides fast response of 0.7s.

Optimized transport and assembly/disassembly

- Rapid assembly can be achieved through self-erection of A-frame without cylinders.
- The weight of a single counterweight plate ≤5.3t; counterweight can be assembled simply by a small auxiliary crane.
- Extendable tracks provide a maximum transport width of 3.49m/3.0m.

ILLUSTRATIONS OF OPERATING MODES

Code	Operating mode	Boom combination
S	Main boom	13m ~ 61m
SH-1	Main boom + tip boom (load on main hook)	13m ~ 58m
SH-2	Main boom + tip boom (load on auxiliary hook)	13m ~ 58m
SF-1	Main boom + fixed jib (load on auxiliary hook; without main hook)	(28m ~ 49m) + (7m ~ 19m)
SF-2	Main boom + fixed jib (load on auxiliary hook; with main hook)	(28m ~ 49m) + (7m ~ 19m)
SF-3	Main boom + fixed jib (load on main hook)	(28m ~ 49m) + (7m ~ 19m)



TECHNICAL PARAMETERS

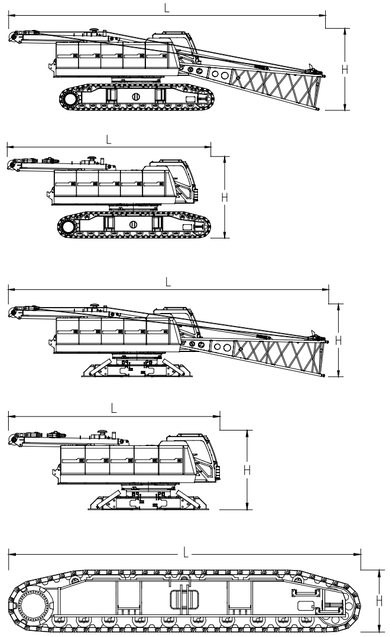
Item		Unit	Values	Notes
Max. lifting moment		t·m	412	
Max. lifting capacity		t	100	
Max. lifting capacity of fixed jib		t	15	
Main boom length		m	13~61	
Fixed jib length		m	7~19	
Longest main boom + fixed jib		m	49+19	
Main boom angle		°	30~82	
Fixed jib angle		°	10,30	
Main hoisting winch		m/min	0~140	
Derricking winch		m/min	0~76	
Slewing speed		r/min	0~2.5	
Crawling speed		km/h	0~1	
Gradeability		%	30	
Dead weight of the whole crane		t	82	Basic boom with hook on
Counterweight		t	32	
Overall dimensions L×W×H		mm	13200×5400(3490)×3390	With A-frame and main boom pivot section
Engine	Model	/	B6.7-C280	
	Rated power / rotational speed	kW/r/min	209/2000	
	Operational power / rotational speed	kW/r/min	209/2000	
	Max.output torque / rotational speed	N·m/r/min	1152/1500	
	Emission standard	/	Off-road emission standards of EU Stage V	
Distance between two tracks × contact length of track × width of track pad		mm	2690×5820×800	Crawler carrier in
		mm	4600×5820×800	Crawler carrier out
Ground pressure		MPa	0.086	

Notes:

①Single rope speed,slewing speed and crawling speed vary with the load.

②The above value of ground pressure is the mean value.The actual maximum ground pressure is determined by the actual operating mode.

DIMENSIONS AND WEIGHTS OF MAJOR PARTS IN TRANSPORT



Basic machine (with pivot section and tracks)	1 piece
Length(L)	13200 mm
Width (W)	3490 mm
Height (H)	3390 mm
Weight	36400 kg

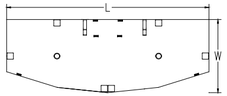
Basic machine (with tracks but without pivot section)	1 pieces*
Length(L)	8800 mm
Width (W)	3490 mm
Height (H)	3390 mm
Weight	35500 kg

Basic machine (with pivot section but without tracks)	1 pieces*
Length(L)	13200 mm
Width (W)	2990 mm
Height (H)	2990 mm
Weight	20800 kg With vertical outriggers

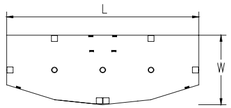
Basic machine (without pivot section and tracks)	1 pieces*
Length(L)	7700 mm
Width (W)	2990 mm
Height (H)	2990 mm
Weight	19900 kg With vertical outriggers

Crawler carrier assy.	2 pieces
Length(L)	6690 mm
Width (W)	1160 mm
Height (H)	1110 mm
Weight	8280 kg

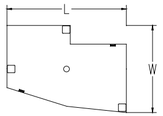
TRANSPORT DIMENSIONS AND WEIGHTS



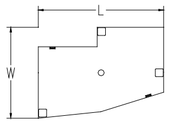
Counterweight base	1 piece
Length (L)	3800 mm
Width (W)	1400 mm
Height (H)	645 mm
Weight	5300 kg



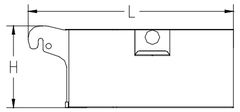
Counterweight plate	1 piece
Length (L)	3800 mm
Width (W)	1400 mm
Height (H)	400 mm
Weight	4800 kg



Counterweight plate (left)	3 pieces
Length (L)	1895 mm
Width (W)	1400 mm
Height (H)	525 mm
Weight	3650 kg

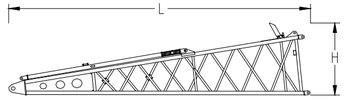


Counterweight plate (right)	3 piece
Length (L)	1895 mm
Width (W)	1400 mm
Height (H)	525 mm
Weight	3650 kg

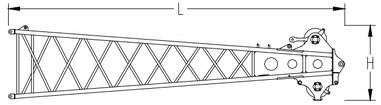


Central ballast	2 pieces
Length (L)	2010 mm
Width (W)	1300 mm
Height (H)	730 mm
Weight	5500 kg

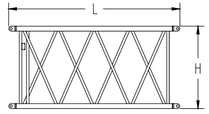
TRANSPORT DIMENSIONS AND WEIGHTS



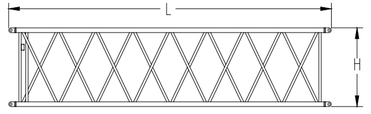
Main boom pivot section	1 piece
Length(L)	6700 mm
Width (W)	1690 mm
Height (H)	1800mm
Weight	940 kg



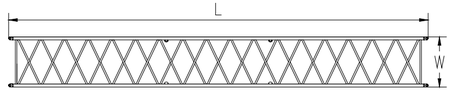
Main boom head section	1 piece
Length(L)	7130 mm
Width (W)	1690 mm
Height (H)	1610 mm
Weight	1120 kg



3m main boom intermediate section	1 piece*
Length(L)	3090 mm
Width (W)	1690 mm
Height (H)	1500 mm
Weight	300 kg

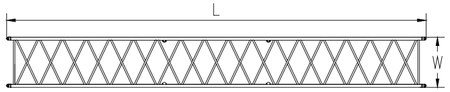


6m main boom intermediate section	1 piece*
Length(L)	6090 mm
Width (W)	1690 mm
Height (H)	1500 mm
Weight	540 kg

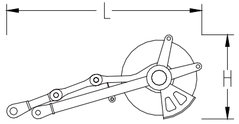


12m main boom intermediate section A	1 pieces*
Length(L)	12090 mm
Width (W)	1690 mm
Height (H)	1500 mm
Weight	1030 kg

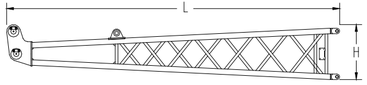
TRANSPORT DIMENSIONS AND WEIGHTS



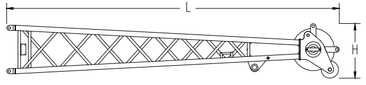
12m main boom intermediate section B	2 pieces*
Length (L)	12090 mm
Width (W)	1690 mm
Height (H)	1500 mm
Weight	850 mm



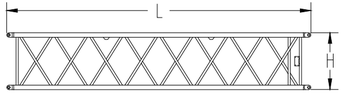
Tip boom	1 piece
Length (L)	1390 mm
Width (W)	590 mm
Height (H)	540 mm
Weight	130 kg



Fixed jib pivot section	1 piece*
Length (L)	3640 mm
Width (W)	570 mm
Height (H)	570 mm
Weight	165 kg

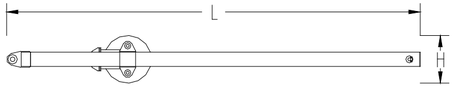


Fixed jib head section	1 piece*
Length (L)	3820 mm
Width (W)	570 mm
Height (H)	570 mm
Weight	220 kg

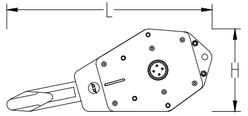


4m fixed jib intermediate section	3 pieces*
Length (L)	4060 mm
Width (W)	570 mm
Height (H)	570 mm
Weight	120 kg

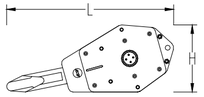
TRANSPORT DIMENSIONS AND WEIGHTS



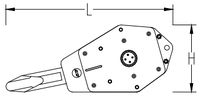
FA-frame	1 piece*
Length(L)	3230 mm
Width (W)	730 mm
Height (H)	490 mm
Weight	280 kg



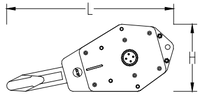
Hook (100t)	1 piece*
Length(L)	1715 mm
Width (W)	885 mm
Height (H)	620 mm
Weight	1145 kg



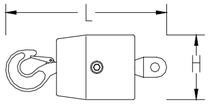
Hook (80t)	1piece*
Length (L)	1650 mm
Width (W)	630 mm
Height (H)	650 mm
Weight	765 kg



Hook (16t)	1 piece*
Length (L)	1250 mm
Width (W)	410 mm
Height (H)	650 mm
Weight	270 kg



Hook (60t)	1 piece*
Length (L)	1660 mm
Width (W)	540 mm
Height (H)	620 mm
Weight	645 kg



Hook (9t)	1 piece*
Length (L)	910 mm
Width (W)	310 mm
Height (H)	310 mm
Weight	180 kg

Notes:
1. Illustrations above are schematic diagrams that are not drawn in fixed proportions. Dimensions shown are general boundary dimensions.
2. Packaging weight is not included. Weights might be different from what are listed in the above table due to manufacturing error.
3. Dimensions of actual products shall prevail if dimensions and weights differ from what are listed above due to parts improvement.
4. Number of parts marked with * are determined by actual needs.

TECHNICAL DESCRIPTION

Power unit

Engine model: Cummins B6.7-C280.
Type: in-line 6-cylinder, intercooled and supercharged diesel engine.
Displacement: 6.7L.
Rated power: 209kW/2000r/min.
Service power: 209kW/2000r/min.
Maximum torque: 1152N·m/1500r/min.
Emission standard: Off-road emission standards of EU Stage V.
Volume of fuel tank: 400L.

Hydraulic system

Hydraulic pump: One plunger pump of famous brand; energy-saving, stable and reliable; it drives winches and the crawling mechanism; double gear pump is used for slewing, auxiliary operations and the dissipation of the hydraulic system.
Control system: a pilot proportional control hydraulic system with a load feedback system; two hydraulic joysticks and two foot-operated crawling control valves are used for controlling different executive components.
Volume of hydraulic oil tank: 320L.

Electrical system

DC of 24V, negative ground, two storage batteries of 180AH;
Components of electrical system: power, engine system, load moment limiter, illumination system, safety control system, etc. Data communication between controller and controlled elements is provided through CAN bus.
The crane is equipped with a global position system (GPS/GPRS).

Counterweight

Counterweight plates are piled up on a pallet and locked by a threaded rod. The width of counterweight is 1.4m, which is convenient for transport.
The counterweight is composed of a base and seven counterweight plates (32t in total). The central ballast is composed of two counterweight plates (11t in total).

Winches

Both the main hoisting winch and the auxiliary hoisting winch are driven by an axial hydraulic variable-displacement piston motor through a built-in planetary reducer. Braking of the spring on winch motor is controlled by the balancing valve. The drum with a double-rope groove guarantees that rope of multiple layers will not intertwine together.

	H1	H2
Rated single rope tension	8.5t	8.5t
Rope diameter	22mm	22mm
Rope length	260m	150m
Single rope speed of the outmost layer	140m/min	140m/min

Derricking mechanism

The derricking winch is driven by an axial piston motor through a built-in planetary reducer and brakes through the spring on the motor end.
Cable drum lock: The winch is locked by ratchet wheel and ratchet pawl.

	Derricking mechanism
Rated single rope tension	6.5t
Rope diameter	20mm
Rope length	155m
Single rope speed of the outmost layer	76m/min

Slewing mechanism

The slewing mechanism is driven by an axial constant plunger hydraulic motor through a planetary reducer. Small gears on the output shaft drive the rotation of the gear ring of the slewing ring, which then drive the full slewing of 360°. Lateral tension on the boom can be effectively reduced by free slewing.
The maximum slewing speed is 2.5 rpm.

TECHNICAL DESCRIPTION

Operator's cab

All-new operator's cab with artistic interior design; work light; rear-view mirrors; broad vision.
Joysticks and switches are designed according to the ergonomics.
A cold/warn air conditioner; a 10.4" color monitor.
Both armrest boxes are equipped with various kinds of electrical switches and can be adjusted with the seat.
The cross-shaped pilot hydraulic joystick controls the main and the auxiliary hoisting winches, the slewing mechanism and the derricking mechanism.
Control levers (with foot pedals) control the crawling and steering of the crane.

Crawling mechanism

An independent hydraulic driving system is fitted inside crawler carriers on both sides. Each hydraulic driving system has a hydraulic motor that drives the driving sprocket through planetary reducer.
Vertical outrigger cylinders are optional.
Extension and retraction of tracks are realized by hydraulic cylinders. Tracks must be fully extended during operation. Track gauge (extended/retracted) is 4600mm/2690mm.
High-strength alloy-cast steel track pad with a width of 800mm.

Safety devices

The crane is equipped with different types of safety and alarm devices, such as mechanical, electronic and hydraulic devices, that guarantee the safety of the machine.
Load moment limiter, Limit on hoisting height, Limit on main boom angle, Lowering limiter, Tilting-back support for boom, Slewing locking device, Hook lock, Anemometer, Aviation warning light, Main boom angle indicator, Rear-view mirrors, Automatic locking mechanism of ratchet wheel on the derricking winch, Emergency stop button, Tri-color warning light, Slewing and crawling alarm, Video monitoring system, Virtual wall (optional), Wireless remote control (optional).

Boom system

Main boom length: 13m~61m;
Components of main boom: a pivot section of 6.5m, a head section of 6.5m, intermediate sections of 3m, 6m and 12m.
A tip boom can be fitted on the main boom head.

Main boom length (m)	Pivot section	Head section	3m intermediate section	6m intermediate section	12m intermediate section A	12m intermediate section B
13	1	1	0	0	0	0
16	1	1	1	0	0	0
19	1	1	2	0	0	0
22	1	1	1	1	0	0
25	1	1	2	1	0	0
28	1	1	1	2	0	0
31	1	1	2	2	0	0
34	1	1	1	1	1	0
37	1	1	2	1	1	0
40	1	1	1	2	1	0
43	1	1	2	2	1	0
46	1	1	1	1	1	1
49	1	1	2	1	1	1
52	1	1	1	2	1	1
55	1	1	2	2	1	1
58	1	1	1	1	1	2
61	1	1	2	1	1	2

Fixed jib length: 7m~19m;
Components of fixed jib: a pivot section of 3.5m, a head section of 3.5m and intermediate sections of 4m. Main boom length (with fixed jib on): 28m~49m.

Fixed jib length (m)	Pivot section	Head section	4m intermediate section
7	1	1	0
11	1	1	1
15	1	1	2
19	1	1	3

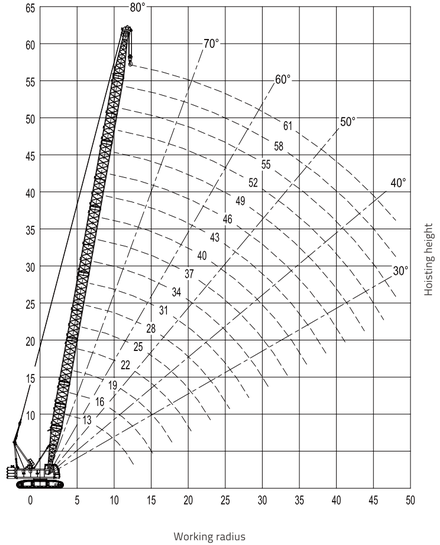
Hook

Five types of hooks are available.

Specification of hook	Weight (kg)	Number of pulleys
100t	1145	7
80t	765	5
60t	645	3
16t	270	1
9t	180	0

LIFTING CAPACITY CHARTS

Main boom operating mode (S) Hoisting height curves (operating mode S) Unit: m



Lifting capacity chart (operating mode S) Rear counterweight: 32t; Central ballast: 11t Unit: t

Main boom length: 13~61m																	
Radius(m)	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61
3.9	100																
5	81	80	80	78													
6	68.6	68.2	67.3	65.6	63.9	61.5											
7	54.9	54.8	54.4	54	52	50.7	49.7										
8	44.9	44.8	44.7	44.6	44.2	43.5	42.3	41.1	40.3								
9	37.9	37.8	37.7	37.7	37.6	37.2	37	35.9	35.3	34.4	33.3						
10	32.8	32.6	32.6	32.5	32.4	32.3	32.2	32	31.4	30.8	30.2	29.4	28.4				
11	28.9	28.7	28.6	28.6	28.4	28.4	28.3	28.1	28.1	27.7	27.1	26.5	26	24.4			
12	25.7	25.6	25.5	25.4	25.3	25.2	25.1	25	24.9	24.6	24.5	24.1	23	23.3	21	18.5	
14		21	20.8	20.8	20.6	20.5	20.4	20.3	20.2	20.1	20	20	19.6	19.2	18.5	17	16
16			17.5	17.5	17.3	17.2	17.1	17	16.9	16.8	16.7	16.7	16.2	16.4	15.9	15.5	15
18				15	14.9	14.8	14.7	14.6	14.4	14.3	14.2	14.2	14.1	13.8	13.6	13.3	12.9
20				13.1	13	12.9	12.7	12.7	12.5	12.4	12.3	12.3	12.2	12.1	11.8	11.6	11.3
22					11.5	11.4	11.2	11.1	11	10.9	10.8	10.8	10.7	10.5	10.4	10.3	10
24						10.1	10	9.9	9.8	9.7	9.5	9.5	9.4	9.2	9.2	9.1	8.9
26							9	8.9	8.7	8.6	8.5	8.5	8.4	8.3	8.1	8.1	8
28							8.1	7.9	7.9	7.8	7.6	7.6	7.5	7.4	7.3	7.2	7.1
30								7.3	7.1	7	6.9	6.9	6.8	6.6	6.5	6.5	6.4
32									6.5	6.4	6.2	6.2	6	6	5.9	5.8	5.7
34										5.8	5.7	5.7	5.5	5.3	5.1	5.3	5.1
36										5.3	5.2	5.2	5	4.8	4.8	4.8	4.6
38											4.7	4.7	4.6	4.5	4.3	4.3	4.2
40												4.3	4.2	4.1	3.9	3.9	3.8
42													3.8	3.7	3.6	3.6	3.4
44														3.4	3.3	3.2	3.1
46														3.1	3	2.9	2.8
48															2.7	2.7	2.5
50																2.3	2.3
52																	2.1
54																	1.9
Reeving	15	11	11	10	9	8	7	6	5	5	4	4	4	3	3	3	3
Hook	100t	80t					60t										

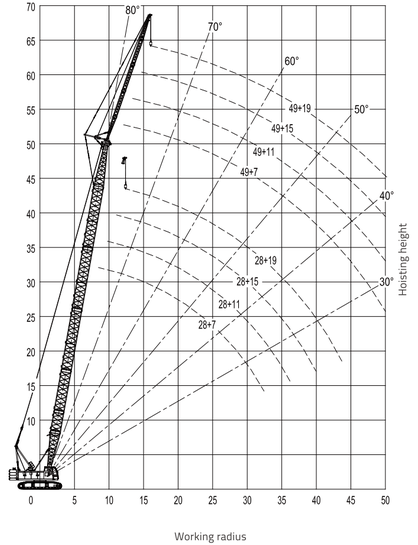
Attention:

① Values in lifting capacity charts include the weight of sling and wire rope. The actual weight of load should be less than the value.

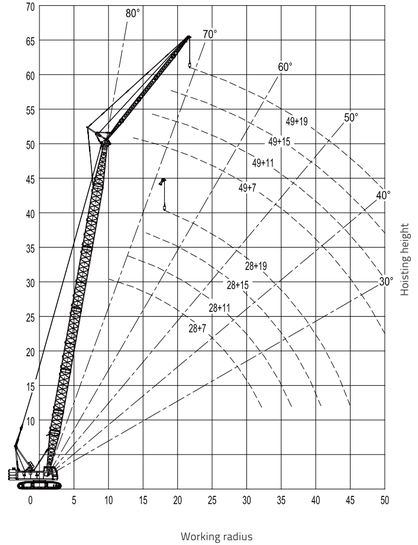
② Values in lifting capacity charts are provided on the basis of the fact that the ground is solid and flat and the load is freely suspended.

LIFTING CAPACITY CHARTS

Fixed jib operating mode Hoisting height curves (SF-1, SF-2), 10° Unit: m



Fixed jib operating mode Hoisting height curves (SF-1, SF-2), 30° Unit: m



LIFTING PERFORMANCE

Lifting capacity chart (SF-1, 1/4) Rear counterweight: 32t; Central ballast: 11t Unit: t

Main boom	28								31							
Fixed jib	7		11		15		19		7		11		15		19	
Angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
9	15															
10	15		13.1						15							
11	15	8.5	12.8						15		13.2					
12	15	8.5	12.5		7.3				15	8.5	13		7.4			
14	15	8.5	12.3	6.2	7.1		4.6		15	8.5	12.4	6.3	7.1		4.7	
16	15	8.5	11.8	5.8	6.8	4.2	4.5		15	8.5	12.2	5.9	6.9		4.5	
18	14.5	8	10.3	5.5	6.7	4	4.4		14.2	8.5	10.8	5.6	6.8	4	4.4	
20	12.6	7.7	9.5	5.2	6.5	3.7	4.2	3	12.3	7.9	9.9	5.3	6.6	3.8	4.3	3
22	10.9	7.4	8.7	4.9	6.3	3.6	4.1	2.8	10.9	7.6	9.2	5.1	6.4	3.6	4.2	2.9
24	9.8	7.1	8.1	4.7	6.2	3.4	4	2.7	9.6	7.3	8.6	4.9	6.2	3.5	4.1	2.7
26	8.8	6.9	7.6	4.6	5.7	3.2	3.9	2.5	8.6	7.1	8	4.7	6.1	3.3	4	2.6
28	7.9	6.7	7.1	4.4	5.3	3.1	3.8	2.4	7.8	6.8	7.9	4.5	5.6	3.2	3.9	2.5
30	7.1	6.5	6.7	4.3	5	3	3.7	2.3	7.1	6.7	7.1	4.4	5.3	3.1	3.8	2.4
32			6.6	4.2	4.7	2.9	3.6	2.2	6.4	6.4	6.4	4.3	5	3	3.7	2.3
34			6	4.1	4.5	2.8	3.6	2.2	5.7	5.9	5.9	4.2	4.7	2.9	3.6	2.2
36					4.3	2.7	3.5	2.1			5.4	4.1	4.5	2.8	3.6	2.1
38					4.1	2.7	3.3	2				4.1	4.3	2.7	3.5	2.1
40							3.1	2					4.1	2.7	3.3	2
42							3	2						2.7	3.1	2
44															3	2
46																1.9

Lifting capacity chart (SF-1, 2/4) Rear counterweight: 32t; Central ballast: 11t Unit: t

Main boom	34								37							
Fixed jib	7		11		15		19		7		11		15		19	
Angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
10	15															
11	15								15							
12	15	8.5	13.3						15		12.9					
14	15	8.5	12.7		7.2		4.7		15	8.5	12.9		7.2			
16	15	8.5	12	6	7		4.6		15	8.5	12.6	6.1	7.1		4.6	
18	14.2	8.5	11.7	5.7	6.8	4.1	4.5		14.2	8.5	12.2	5.8	6.9	4.2	4.5	
20	12.3	8.5	10.4	5.4	6.7	3.9	4.3	3.1	12.3	8.5	10.9	5.6	6.8	4	4.4	3.1
22	10.8	7.8	9.7	5.2	6.5	3.7	4.2	2.9	10.6	8	10.1	5.3	6.6	3.8	4.3	3
24	9.6	7.5	9	5	6.4	3.6	4.1	2.8	9.5	7.7	9.6	5.1	6.5	3.6	4.2	2.8
26	8.4	7.2	8.6	4.8	6.2	3.4	4	2.7	8.4	7.4	8.4	4.9	6.3	3.5	4.1	2.7
28	7.6	7	7.8	4.6	6.1	3.3	3.9	2.5	7.6	7.2	7.6	4.8	6.2	3.3	4	2.6
30	6.9	7	7.1	4.5	5.6	3.2	3.8	2.4	6.8	6.9	6.9	4.6	6	3.2	3.9	2.5
32	6.2	6.2	6.4	4.4	5.3	3.1	3.8	2.4	6	6.2	6.2	4.5	5.5	3.1	3.8	2.4
34	5.7	5.7	5.7	4.3	5	3	3.7	2.3	5.6	5.6	5.7	4.4	5.2	3	3.8	2.3
36	5.2	5.2	5.3	4.2	4.7	2.9	3.6	2.2	5.1	5.1	5.2	4.3	5.2	2.9	3.7	2.3
38			4.9	4.1	4.5	2.8	3.6	2.1	4.6	4.7	4.7	4.2	4.8	2.9	3.6	2.2
40			4.5	4.1	4.3	2.7	3.5	2.1			4.4	4.1	4.4	2.8	3.6	2.1
42					4.2	2.7	3.3	2			4	3.9	4.1	2.7	3.5	2.1
44					3.9	2.7	3.2	2					3.7	2.7	3.3	2
46							3.1	2					3.3	2.7	3.2	2
48								1.9							3.2	2
50															3	1.9

LIFTING PERFORMANCE

Lifting capacity chart (SF-1, 3/4) Rear counterweight: 32t; Central ballast: 11t Unit: t

Main boom	40								43							
Fixed jib	7		11		15		19		7		11		15		19	
Angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
11	8.5															
12	8.5								8.5							
14	8.5	8.5	8.5		7.3				8.5	8.5	8.5		7.3			
16	8.5	8.5	8.5	6.2	7.1		4.7		8.5	8.5	8.5	6.3	7.2		4.7	
18	8.5	8.5	8.5	5.9	7	4.2	4.5		8.5	8.5	8.5	6	7.1		4.6	
20	8.5	8.5	8.5	5.7	6.8	4	4.4		8.5	8.5	8.5	5.8	6.9	4.1	4.5	
22	8.5	8.5	8.5	5.4	6.7	3.9	4.3	3	8.5	8.5	8.5	5.5	6.7	3.9	4.4	3
24	8.5	7.9	8.5	5.2	6.5	3.7	4.2	2.9	8.5	8	8.5	5.3	6.6	3.8	4.3	2.9
26	8.2	7.6	8.4	5	6.4	3.6	4.1	2.8	8.1	7.8	8.2	5.1	6.5	3.6	4.2	2.8
28	7.4	7.6	7.6	4.9	6.3	3.4	4	2.7	7.3	7.4	7.4	5	6.4	3.5	4.1	2.7
30	6.6	6.8	6.8	4.7	6.2	3.3	4	2.5	6.6	6.6	6.6	4.8	6.2	3.4	4	2.6
32	6	6	6	4.6	6	3.2	3.9	2.5	5.9	6	6	4.7	6	3.3	3.9	2.5
34	5.4	5.5	5.6	4.5	5.6	3.1	3.8	2.4	5.3	5.4	5.4	4.6	5.5	3.2	3.8	2.4
36	4.9	5	5.1	4.4	5.2	3	3.7	2.3	4.8	4.9	4.9	4.4	5	3.1	3.8	2.4
38	4.5	4.6	4.6	4.3	4.7	2.9	3.7	2.2	4.4	4.4	4.5	4.3	4.6	3	3.7	2.3
40	4.1	4.2	4.1	4.3	4.3	2.9	3.6	2.2	4	3.9	4.1	4.2	4.2	2.9	3.7	2.2
42		3.7	3.9	3.9	3.8	2.8	3.6	2.1	3.5	3.7	3.7	3.7	3.7	2.9	3.6	2.2
44			3.5	3.5	3.5	2.8	3.5	2.1	3.2	3.3	3.3	3.5	3.5	2.8	3.5	2.1
46				3.2	3.3	2.7	3.3	2			3.1	3.1	3.2	2.8	3.2	2.1
48					3	2.7	3.1	2			2.8	2.9	2.9	2.7	2.9	2
50						2.6	2.8	2					2.6	2.7	2.7	2
52							2.6	1.9					2.4	2.5	2.5	2
54								1.9							2.3	1.9
56																1.9

Lifting capacity chart (SF-1, 4/4) Rear counterweight: 32t; Central ballast: 11t Unit: t

Main boom	46								49							
Fixed jib	7		11		15		19		7		11		15		19	
Angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
12	8.5															
14	8.5	8.5	8.5						8.5		8.5					
16	8.5	8.5	8.5		7.2		4.7		8.5	8.5	8.5		7.3			
18	8.5	8.5	8.5	6.1	7.1		4.6		8.5	8.5	8.5	6.2	7.1		4.6	
20	8.5	8.5	8.5	5.8	6.9	4.1	4.5		8.5	8.5	8.5	5.9	7	4.2	4.5	
22	8.5	8.5	8.5	5.6	6.8	4	4.4	3.1	8.5	8.5	8.5	5.7	6.8	4	4.5	
24	8.5	8.5	8.5	5.4	6.7	3.8	4.3	3	8.5	8.5	8.5	5.5	6.7	3.9	4.3	3
26	8.1	8.2	8.2	5.2	6.5	3.7	4.2	2.8	7.9	8.2	8.1	5.3	6.6	3.7	4.3	2.9
28	7.3	7.4	7.4	5.1	6.4	3.6	4.1	2.7	7.1	7.3	7.3	5.2	6.5	3.6	4.2	2.8
30	6.4	6.6	6.6	4.9	6.3	3.4	4.1	2.6	6.4	6.6	6.4	5	6.4	3.5	4.1	2.7
32	5.9	6	5.9	4.8	6	3.3	4	2.6	5.7	5.9	5.9	4.9	5.9	3.4	4	2.6
34	5.2	5.4	5.4	4.6	5.4	3.2	3.9	2.5	5.2	5.2	5.2	4.7	5.4	3.3	3.9	2.5
36	4.8	4.9	4.9	4.5	5	3.1	3.8	2.4	4.7	4.7	4.7	4.6	4.9	3.2	3.9	2.4
38	4.4	4.4	4.4	4.6	4.6	3.1	3.8	2.3	4.1	4.3	4.2	4.5	4.4	3.1	3.8	2.4
40	4	3.9	4.1	4.2	4	3	3.7	2.3	3.7	3.9	3.9	4.1	3.9	3	3.8	2.3
42	3.5	3.7	3.7	3.7	3.7	2.9	3.7	2.2	3.5	3.5	3.5	3.7	3.7	3	3.7	2.3
44	3.2	3.3	3.3	3.5	3.5	2.9	3.5	2.2	3.1	3.2	3.2	3.3	3.3	2.9	3.3	2.2
46	3	3	3	3.1	3.1	2.8	3.2	2.1	2.8	2.9	2.9	3	3	2.9	3	2.1
48			2.8	2.9	2.9	2.8	2.9	2.1	2.6	2.6	2.7	2.7	2.7	2.9	2.8	2.1
50			2.5	2.6	2.6	2.7	2.7	2		2.2	2.4	2.5	2.5	2.6	2.5	2.1
52					2.4	2.5	2.3	2				2.2	2.2	2.3	2.4	2.3	2
54					2.2	2.2	2.2	2					2	1.9	2.1	2.1	2
56							1.9	1.9						1.7	1.9	1.9	2
58							1.7	1.9							1.7	1.7	1.8
60																1.5	1.6
62																	1.4

Attention:

① Values in lifting capacity charts include the weight of sling and wire rope. The actual weight of load should be less than the value.

② Values in lifting capacity charts are provided on the basis of the fact that the ground is solid and flat and the load is freely suspended.