

SUNWARD

SWCC1000E

Crawler Crane with Telescopic Boom



Max. lifting capacity: 100 t
Max. length of main boom + jib: 52+18 m

M Metron

KEM Tower 15th Floor, Jl. Landasan Pacu Barat Blok B10 Kav. 2, Kota Baru Bandar Kemayoran, Jakarta Pusat 10610
Phone: +62 21 6570 4111 (Hunting) | Fax: +62 21 6570 4110 | Email: info@metronintercon.com

Jakarta | Surabaya | Medan | Pekanbaru | Padang | Jambi | Lampung | Palembang | Balikpapan |
Banjarmasin | Pontianak | Sampit | Samarinda | Tarakan | Ketapang | Makassar | Manado | Kendari

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CATALOGUE

I. Product Overview

- 1.SWCC1000E Product Overview
- 2.Ambient conditions for operation

II. SWCC1000E Product Performance Parameters

III. SWCC1000E Product Overall Dimensions

IV. SWCC1000E Product Technical Features and Description

V. SWCC1000E Lifting Performance

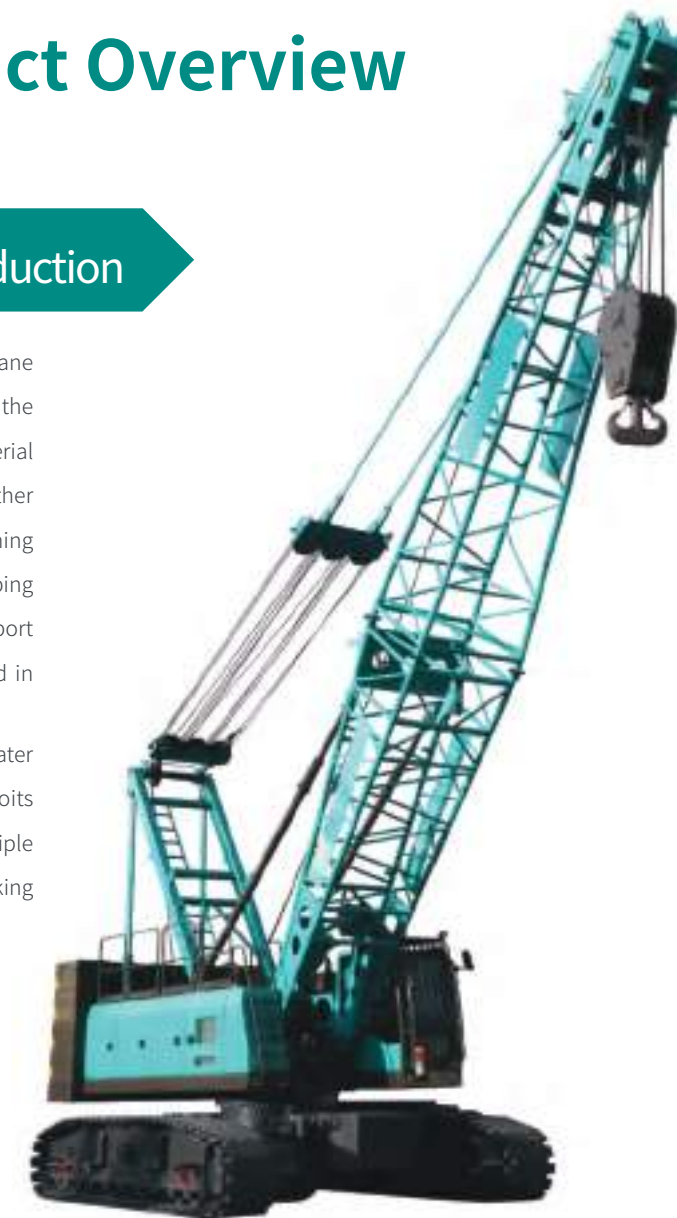
1. Operating condition diagrams
2. Lifting height curve of main boom
3. Segment combination of main boom
4. Lifting performance tables of main boom
5. Lifting height curve of jib
6. Lifting performance tables of jib

VI. SWCC1000E Parts Transportation Dimensions

SWCC1000E Product Overview

01 SWCC1000E product introduction

SW1000E crawler crane with telescopic boom is a kind of mobile crane with the lifting part mounted on the crawler chassis, which relies on the crawler device for traveling. This crawler crane can be used for material lifting, transportation, loading & unloading, installation and other operations. Featuring small ground contact pressure, small turning radius, good adaptability to bad ground conditions, excellent climbing capacity, good lifting performance, lifting operation without support legs, traveling with load, etc., this crawler crane is widely used in industries such as electric power construction, municipal construction, bridge construction, petrochemical, and water conservancy & hydropower. This crawler crane is irreplaceable due to its unique and incomparable advantages of traveling with load, multiple boom length combinations, good lifting performance, large working height and range.



02 Ambient conditions for operation

1. Before use, the crane shall be equipped with all the working devices for the operating states specified in the design, and the test operation time of each working device shall not be less than 3min.
2. The site shall be solid and level to ensure that the crawler plate does not sink and the ground slope is not greater than 5/1000.
3. The fuel tank should have an oil volume between 1/3 and 2/3. The oil level of the hydraulic tank should not be lower than the specified scale of the oil level indicator. The water tank should be full and the lubricating oil should be filled as required.
4. The local wind speed for operations should not exceed 8.3m/s. If exceeding this value, stop operation immediately and lower the boom.
5. The local ambient temperature range for operation is -20°C~+40°C.

SWCC1000E

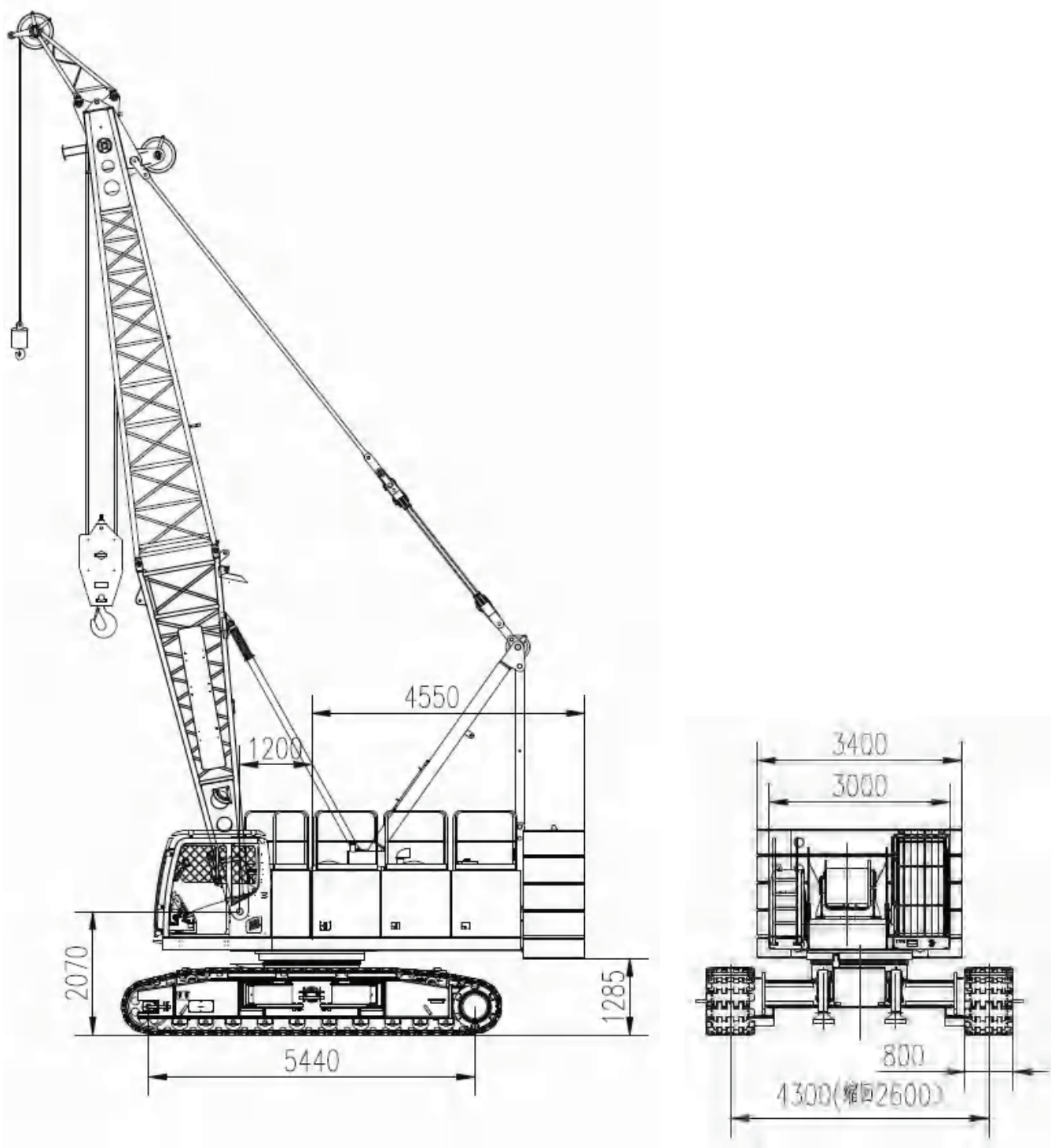
Product Performance Parameters

01 Overall performance parameters

ITEM			UNIT	PARAMETER
Max. lifting capacity			t	100
Length of main boom			m	13~ 64
Jib length (optional)			m	12~ 18
Max. length of main boom + jib			m	52+18
Luffing angle of main boom			°	0~ 80
Operating speed	Wire rope speed	Boom/Jib lifting speed	m/min	0~ 142
		Boom luffing speed	m/min	0~ 85
	Slewing speed		r/min	0~ 2.5
	Traveling speed		km/h	1.6/0.8
Boom lifting rate		8	Single rope tension	12.5t
Climbing capacity (with basic boom, and the cab in the rear)			%	30
Engine model, rated output power/speed			KW/r/min	WP7 G300 220/2300
Total weight (with basic boom and 100 t main hook)			t	85
Ground contact pressure (with basic boom and 100 t main hook)			MPa	0.09
Rear counterweight			t	32
Track gauge x ground contact length x crawler plate width			mm	2600 × 5440 × 800 4300 × 5440 × 800
Overall dimensions (L×W×H)			mm	12750 × 3400 × 3440

SWCC1000E

Product Overall Dimensions



SWCC1000E Technical Features

01 Electrical control system

- 1.Itiscomposedofcontroller,display,sensorandotherelectricalcomponentsconnectedbywires.
- 2.TheCANbustechnologyisusedforcommunicationamongcontroller,display,engine,andtorquelimiter,withhighreliability.

02 Hydraulic system

- 1.Themainhydrauliccomponentsofthehydraulicsystemadoptwell-knownChinesebrands.
- 2.Main oil pump: The main oil pump is total power variable displacement dual pump, and the flow changes with the system pressure, which can realize stepless variable. Main valve: The main valve adopts post-valve compensation, and has an adaptive control in case of insufficient flow to distribute the flow proportionally.
- 3.Themainandauxiliaryliftingmotorsarehydraulicvariabledisplacementmotors

03 Engine

- 1. Weichai Power, WP7G300E300 inline 6-cylinder, watercooled, turbo-chargedelectronicallycontrolledengine.
 - 2.Displacement:7.47L.
 - 3.Ratedpower/speed:220KW/2,300pm.
- 4.Max.torque:1,200N.m/(1,200~1,500)r/min.
 - 5.Fuel tank:largevolume.
 - 6.Emissionstandard:ChinaIIemissionstandard.
 - 7.Fuel tank:400L.

04 Main and auxiliary lifting mechanisms

- 1.Themainandauxiliaryliftingmechanismsaredriven separately,withcompactstructureandeasy toinstall.
- 2. The main and auxiliary lifting mechanisms are equippedwithnormallyclosedautomaticbrakes.
- 3. The casting reel with dual Lebus grooves can ensure thatthemulti-layerwireropeswon'tbetangled.

	Main lifting mechanism	Auxiliary lifting mechanism
Rated single rope tension	12.5t	12.5t
Wire rope diameter	26mm	26mm
Wire rope length	220m	160m
Single rope speed	0~140m/min	0~140m/min

05 Luffing mechanism

- 1.Theluffingreelisdirectlydrivenbytheluffingmotorthroughthereducer. Thewinchhandlecanbemanipulatedtotransferthereelintwodirections, thatis,torealizetheliftingandloweringoftheboom.
- 2.Normallyclosedautomaticbrakeisequipped.

	Luffing mechanism
Wire rope diameter	20mm
Wire rope length	155m
Single rope speed	0~85m/min

06 Slewing device

- 1.Drivenbytheslewingmotorandbufferedbyhydraulicpressure,the slewingdevicecanrealize slewingby360°,andthemaximumslewingspeedis2.5rpm.
- 2.Brake:Normallyclosedautomaticbrakeisequipped.
- 3.Free sliding: For lifting heavy objects, the free sliding function can automaticallystraightentheobjectsandpreventthemfromswinging aftertheyarelifted.
- 4.Slewingring:internalgeartypedouble-rowballslewingring.

08 Traveling

- 1.The crawlers on both sides adopt independent travel driving devices. The travel motor can realize the straight traveling and steering of the crane throughthereducerandthedrivingwheel.
- 2.Brake:Normallyclosedautomaticbrakeisequipped.
- 3.Crawler tensioner: Itiscomposedofscrewjackandgasket,withsimplestructure.Itcaneasilyadjustthetensionofcrawler.
- 4.Crawler plate:high-strengthcastalloycrawlerplatewithawidthof800mm.
- 5.Max.travelingspeed:1.6km/h.
- 6.Low speed:0.8km/h.

09 Main boom

- 1. The boom is a truss structure with constant cross-section in the middle and variable cross-section at both ends. The main pipe is high-strength structural steel pipe, and the upper and lower parts of the boom are reinforced with steel plates to improve the strength of the boom. All segments are connected by clevis pins.
- 2.Theboomheadpulleyishigh-strengthwear-resistantnylonpulleytoprotectthewirerope,andtheluffingplateishighstrengthpullplate.
- 3.Basicboom:6mtopsegment+7mbottomsegment.
- 4.Middlesegment:3m/6m/9m.
- 5.Lengthofmainboom:13m~64m.
- 6.Theboomheadisequippedwithagooseheadframe.

10 Fixed jib (optional)

- 1.The jib is a truss structure with constant cross-section in the middle and variable cross-section at both ends. The main pipe is high-strength structural steel pipe, and the upper and lower parts of the jib are reinforced with steel plates to improve the strength of the jib. All segments are connected by clevis pins.
- 2.The jib head pulley is high-strength wear-resistant nylon pulley to protect the wire rope, and the luffing plate is high-strength pull plate.
- 3.Basic jib: 6m top segment + 6m bottom segment.
- 4.Middle segment: 6m.
- 5.Length of fixed jib: 12m, 18m.
- 6.Included angle: 10°, 30°.

11 Support leg (optional)

- 1.The lower support leg oil cylinder can be equipped to facilitate the disassembly of the crawler frame.

13 Counterweight

- 1. Tray-type installation structure is adopted, with superimposed counterweights locked by chains.
- 2.Rear counterweight: total weight 32t, base 6t x 1, counterweight 6.5t x 4.
- 3.Body weight: total weight 10t (5t x 2).
- 4.Three counterweight combinations.

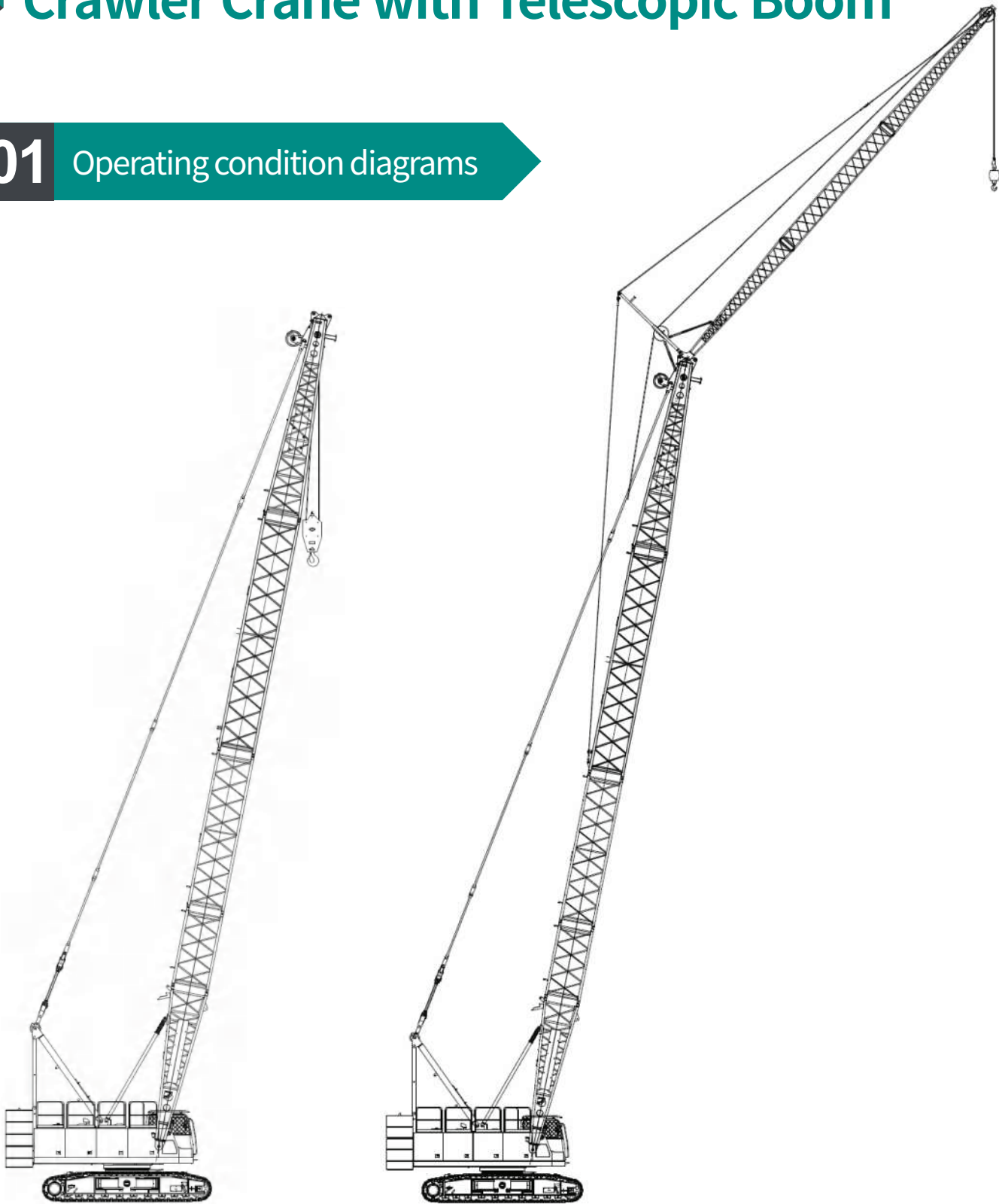
Combination mode	Rear counterweight	Body weight
32t+10t	32t	10t
25.5t+10t (optional)	25.5t	10t
19t (optional)	19t	0t

12 Hook

- 1.100t hook, with 4 pulleys. (Optional)
- 2.75t hook, with 3 pulleys.
- 3.30t hook, with 1 pulley. (Optional)
- 4.12.5t hook.

SWCC1000E
Crawler Crane with Telescopic Boom

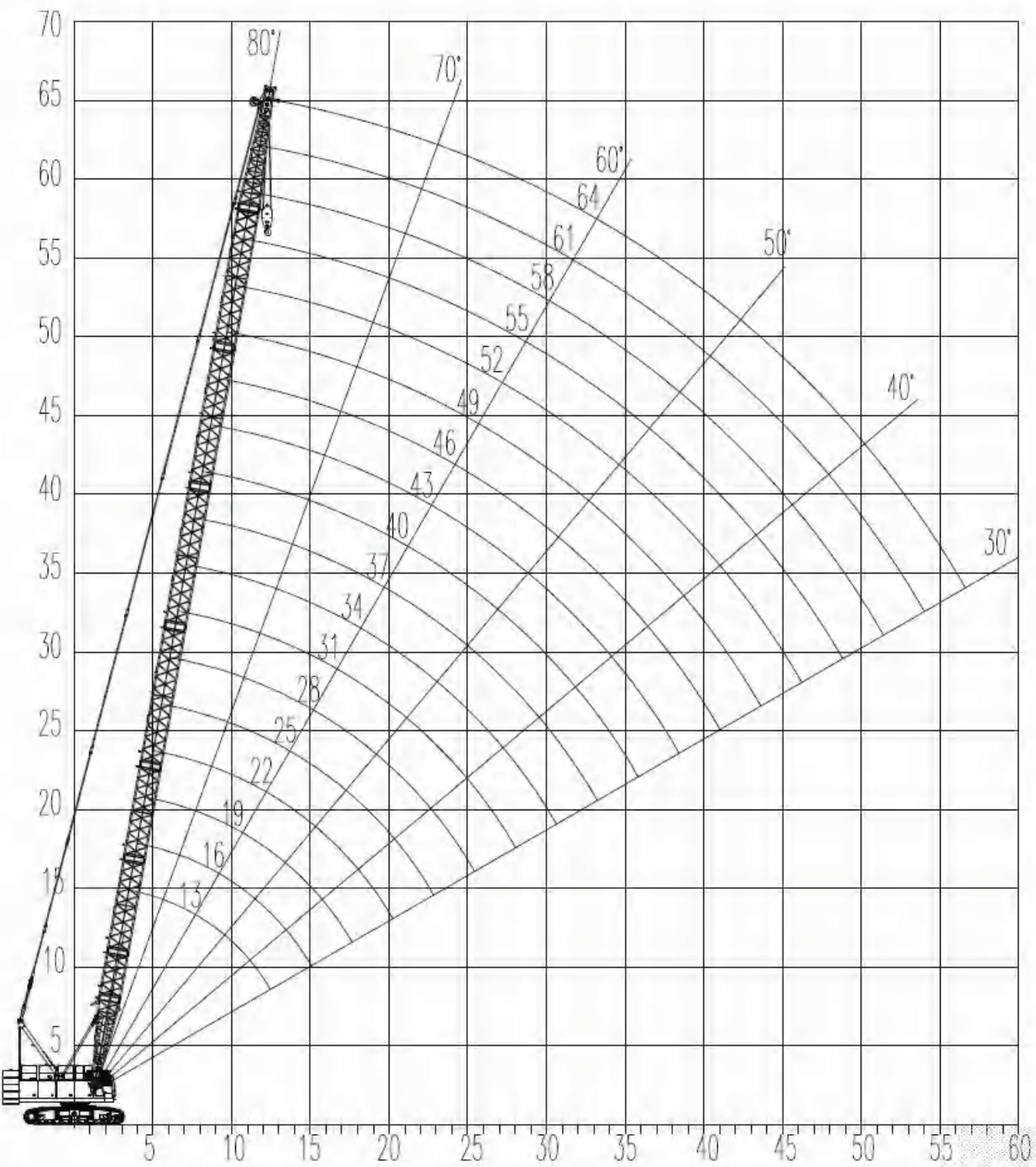
01 Operating condition diagrams



主臂工况

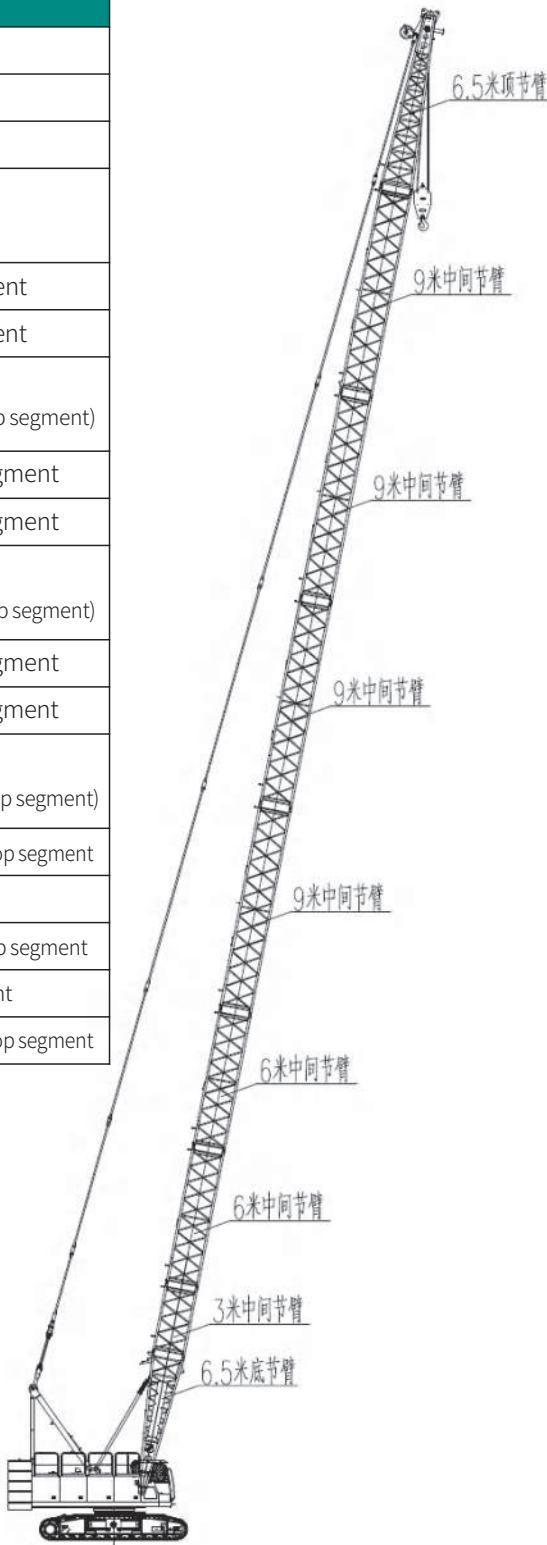
副臂工况

02 Lifting height curve of main boom (Unit: m)



03 Segment combination of main boom

S/N	Main boom (mm)	Segment combinations
1	13000	Bottom segment + Top segment
2	16000	Bottom segment + 3 m segment + Top segment
3	19000	Bottom segment + 6 m segment + Top segment
4	22000	Bottom segment + 9 m segment + Top segment (Bottom segment + 3 m segment + 6 m segment + Top segment)
5	25000	Bottom segment + 3 m segment + 9 m segment + Top segment
6	28000	Bottom segment + 6 m segment + 9 m segment + Top segment
7	31000	Bottom segment + 9 m segment x 2 + Top segment (Bottom segment + 3 m segment + 6 m segment + 9 m segment + Top segment)
8	34000	Bottom segment + 3 m segment + 9 m segment x 2 + Top segment
9	37000	Bottom segment + 6 m segment + 9 m segment x 2 + Top segment
10	40000	Bottom segment + 9 m segment x 3 + Top segment (Bottom segment + 3 m segment + 6 m segment + 9 m segment x 2 + Top segment)
11	43000	Bottom segment + 3 m segment + 9 m segment x 3 + Top segment
12	46000	Bottom segment + 6 m segment + 9 m segment x 3 + Top segment
13	49000	Bottom segment + 9 m segment x 4 + Top segment (Bottom segment + 3 m segment + 6 m segment + 9 m segment x 3 + Top segment)
14	52000	Bottom segment + 3 m segment x 2 + 6 m segment + 9 m segment x 3 + Top segment
15	55000	Bottom segment + 6 m segment + 9 m segment x 4 + Top segment
16	58000	Bottom segment + 3 m segment + 6 m segment + 9 m segment x 4 + Top segment
17	61000	Bottom segment + 6 m segment x 2 + 9 m segment x 4 + Top segment
18	64000	Bottom segment + 3 m segment + 6 m segment x 2 + 9 m segment x 4 + Top segment



04 Lifting performance tables of main boom

Lifting performance table of main boom (I)										
Rear counterweight 32 T, central counterweight 10 T										
Range (m) Boom length (m)	13	16	19	22	25	28	31	34	37	
3.8	100									
4	95.0									
4.5	86.0	83.8								
5	77.0	75.2	74.0							
5.5	71.0	70.0	69.0	67.8						
6	63.9	63.8	63.0	62.2	60.2					
6.5	56.4	56.3	56.2	56.2	55.5	53.2				
7	50.4	50.3	50.3	50.2	50.1	49.0	47.0			
8	41.6	41.5	41.4	41.3	41.2	41.1	41.0	39.0		
9	35.3	35.2	35.1	35.0	34.9	34.8	34.7	34.6	33.9	
10	30.6	30.5	30.4	30.4	30.2	30.1	30.0	29.9	29.8	
11	27.0	26.9	26.8	26.7	26.6	26.5	26.4	26.3	26.2	
12	24.1	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	
13		21.7	21.6	21.5	21.4	21.3	21.2	21.0	20.9	
14		19.7	19.6	19.5	19.4	19.3	19.2	19.1	19.0	
15			18.0	17.9	17.8	17.6	17.5	17.4	17.3	
16			16.6	16.5	16.3	16.2	16.1	16.0	15.9	
18				14.2	14.0	13.9	13.8	13.7	13.6	
20				12.4	12.3	12.1	12.0	11.9	11.8	
22					10.8	10.7	10.6	10.5	10.4	
24						9.6	9.5	9.3	9.2	
26							8.5	8.4	8.2	
28							7.7	7.5	7.4	
30								6.8	6.7	
32									6.1	

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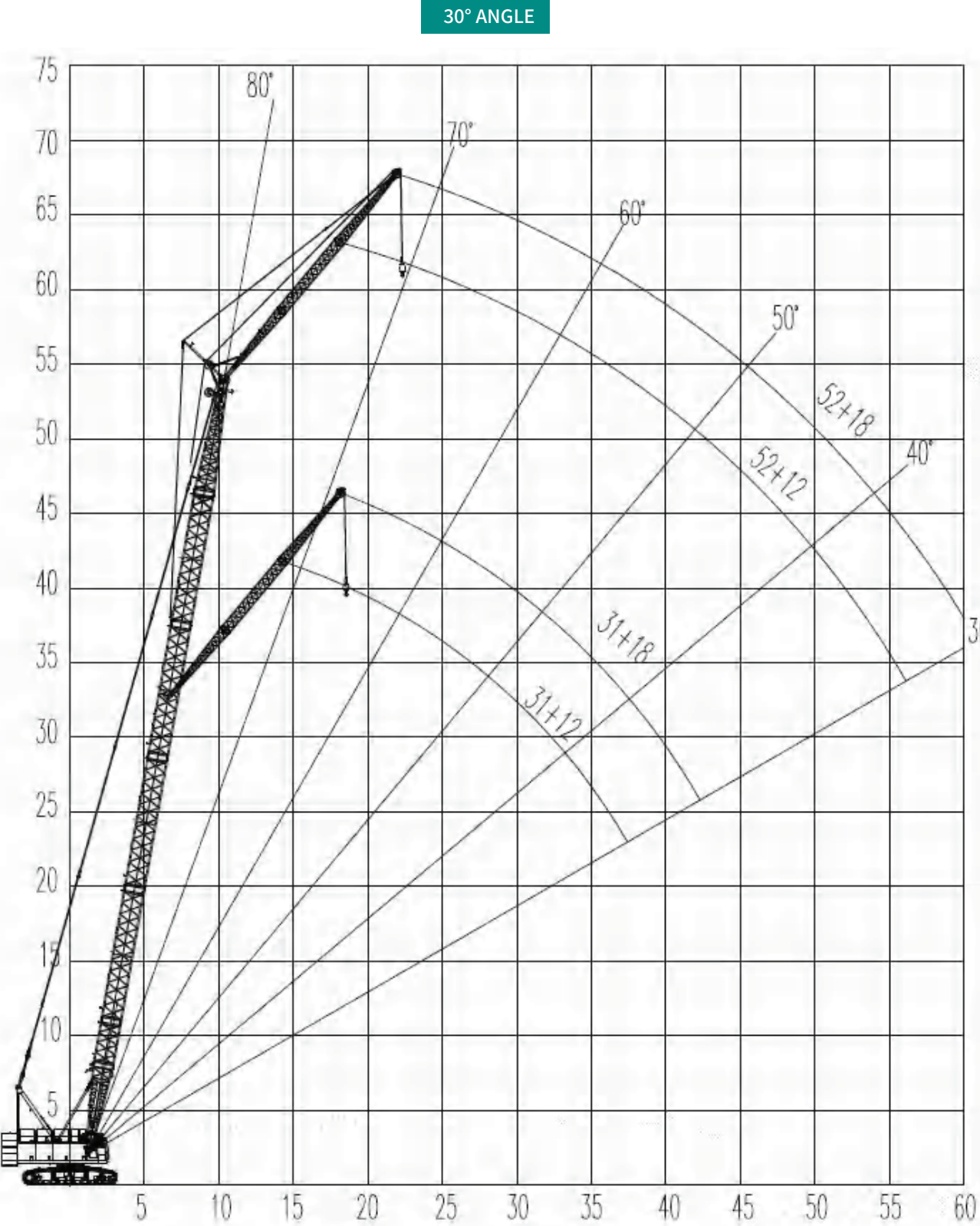
Lifting performance table of main boom (III)									
Rear counterweight 25.5 T, central counterweight 10 T									
Range (m) \ Boom length (m)	13	16	19	22	25	28	31	34	37
4	85								
4.5	80.0	74.0							
5	68.2	64.5	62.5						
5.5	55.2	55.1	55.1	55.0					
6	47.9	47.8	47.8	47.7	47.6				
6.5	42.3	42.2	42.1	42.1	42.0	41.9			
7	37.8	37.7	37.7	37.6	37.5	37.4	37.4		
8	31.1	31.1	31.0	30.9	30.9	30.8	30.7	30.6	
9	26.4	26.4	26.3	26.2	26.1	26.1	26.0	25.9	25.8
10	22.9	22.8	22.8	22.7	22.6	22.5	22.5	22.4	22.3
11	20.2	20.1	20.1	20.0	19.9	19.8	19.7	19.6	19.6
12	18.1	18.0	17.9	17.8	17.7	17.7	17.6	17.5	17.4
13		16.2	16.1	16.1	16.0	15.9	15.8	15.7	15.6
14		14.7	14.7	14.6	14.5	14.4	14.3	14.2	14.1
15			13.4	13.4	13.3	13.2	13.1	13.0	12.9
16			12.4	12.3	12.2	12.1	12.0	11.9	11.8
18				10.6	10.5	10.4	10.3	10.2	10.1
20				9.2	9.1	9.0	9.0	8.9	8.8
22					8.1	8.0	7.9	7.8	7.7
24						7.1	7.0	6.9	6.8
26							6.3	6.2	6.1
28								5.6	5.5
30								5.1	5.0
32									4.5

Lifting performance table of main boom (IV)							
Rear counterweight 25.5 T, central counterweight 10 T							
Range (m) \ Boom length (m)	40	43	46	49	52	55	58
9	25.7						
10	22.2	22.1	22.0				
11	19.5	19.4	19.3	19.2	19.1	19.0	
12	17.3	17.2	17.1	17.0	16.9	16.8	16.7
13	15.5	15.4	15.3	15.3	15.2	15.1	15.0
14	14.1	14.0	13.9	13.8	13.7	13.6	13.5
15	12.8	12.7	12.6	12.5	12.4	12.3	12.2
16	11.7	11.6	11.6	11.5	11.4	11.3	11.2
18	10.0	9.9	9.8	9.7	9.6	9.5	9.4
20	8.7	8.6	8.5	8.4	8.3	8.2	8.1
22	7.6	7.5	7.4	7.3	7.2	7.1	7.0
24	6.7	6.6	6.5	6.5	6.3	6.3	6.1
26	6.0	5.9	5.8	5.7	5.6	5.5	5.4
28	5.4	5.3	5.2	5.1	5.0	4.9	4.8
30	4.9	4.8	4.7	4.6	4.5	4.4	4.3
32	4.4	4.3	4.2	4.1	4.0	3.9	3.8
34	4.0	3.9	3.8	3.7	3.6	3.5	3.4
36		3.6	3.5	3.4	3.2	3.1	3.0
38		3.2	3.1	3.0	2.9	2.8	2.7
40			2.8	2.7	2.6	2.5	2.4
42				2.5	2.3	2.2	2.1
44					2.1	2.0	1.9
46					1.9	1.8	1.6
48						1.6	1.4

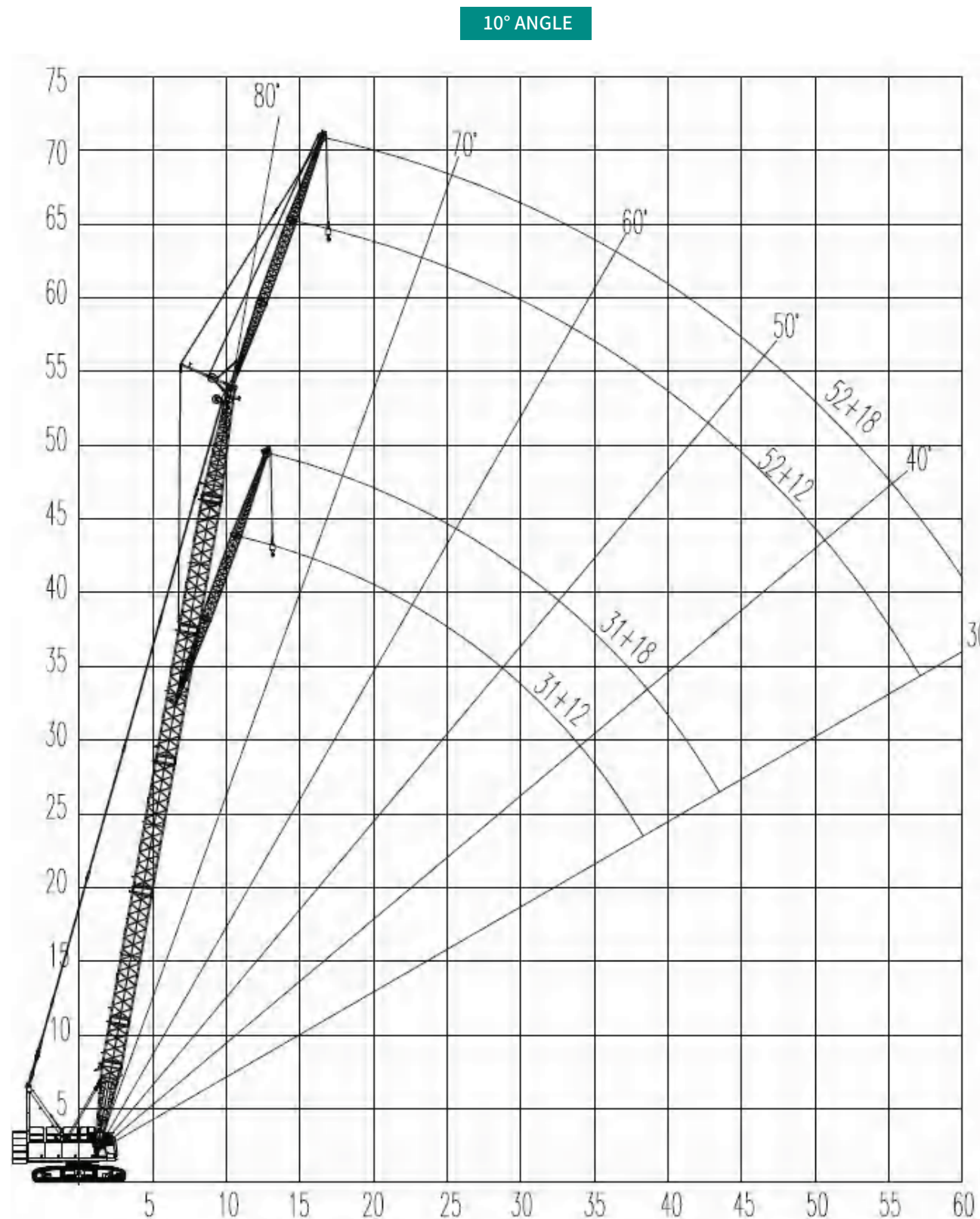
Lifting performance table of main boom (V)													
Rear counterweight 19 T, central counterweight 0 T													
Range (m) \ Boom length (m)	13	16	19	22	25	28	31	34	37	40	43	46	49
4	75												
4.5	59.1	59.0											
5	48.6	48.5	48.5										
5.5	41.2	41.1	41.1	41.0									
6	35.7	35.6	35.6	35.5	35.5								
6.5	31.5	31.4	31.4	31.3	31.2	31.2							
7	28.1	28.1	28.0	27.9	27.9	27.8	27.7						
8	23.1	23.1	23.0	22.9	22.9	22.8	22.7	22.6					
9	19.6	19.5	19.5	19.4	19.3	19.2	19.2	19.1	19.0	18.9			
10	17.0	16.9	16.8	16.8	16.7	16.6	16.5	16.4	16.4	16.3	16.2	16.1	
11	14.9	14.9	14.8	14.7	14.6	14.6	14.5	14.4	14.3	14.2	14.1	14.1	14.0
12	13.3	13.2	13.2	13.1	13.0	12.9	12.9	12.8	12.7	12.6	12.5	12.4	12.3
13		11.9	11.8	11.8	11.7	11.6	11.5	11.4	11.4	11.3	11.2	11.1	11.0
14		10.8	10.7	10.7	10.6	10.5	10.4	10.3	10.2	10.2	10.1	10.0	9.9
15			9.8	9.7	9.6	9.6	9.5	9.4	9.3	9.2	9.1	9.0	9.0
16			9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.2
18				7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.9
20				6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.9
22					5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0
24						5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4
26							4.4	4.3	4.2	4.1	4.0	3.9	3.8
28								3.8	3.7	3.7	3.6	3.5	3.4
30								3.4	3.3	3.3	3.2	3.1	3.0
32									3.0	2.9	2.8	2.7	2.6
34										2.6	2.5	2.4	2.3
36											2.2	2.1	2.0
38											2.0	1.8	1.7
40												1.6	1.5
42													1.3

05

Lifting height curve of jib (Unit: m)



06 Lifting performance tables of jib

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Lifting performance table of jib (II)												
Rear counterweight 32 T, central counterweight 10 T												
Length of main boom (m)	40				43				46			
Length of jib (m)	12		18		12		18		12		18	
Included angle Range (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
13	12.5											
14	12.5				12.5							
15	12.5				12.5				12.5			
16	12.5		11.2		12.5		11.2		12.5			
18	12.5	9.1	10.7		12.5	9.1	10.7		12.5	9.1	10.7	
20	11.1	8.3	10.2		11.0	8.3	10.2		10.9	8.3	10.2	
22	9.7	7.9	9.8	5.7	9.6	7.9	9.7	5.7	9.5	7.9	9.6	
24	8.6	7.6	8.7	5.5	8.4	7.6	8.5	5.5	8.3	7.6	8.4	5.5
26	7.6	7.4	7.7	5.2	7.5	7.4	7.6	5.2	7.3	7.3	7.4	5.2
28	6.8	6.8	6.9	5.0	6.7	6.6	6.7	5.0	6.5	6.4	6.6	5.0
30	6.1	6.1	6.2	4.7	6.0	5.9	6.0	4.7	5.8	5.7	5.9	4.7
32	5.5	5.4	5.6	4.5	5.3	5.3	5.4	4.5	5.2	5.1	5.3	4.5
34	5.0	4.9	5.1	4.3	4.8	4.7	4.9	4.3	4.7	4.6	4.8	4.3
36	4.5	4.4	4.6	4.2	4.3	4.3	4.4	4.2	4.2	4.1	4.3	4.2
38	4.1	4.0	4.2	4.0	3.9	3.9	4.0	4.0	3.8	3.7	3.9	4.0
40	3.7	3.7	3.8	3.7	3.6	3.5	3.6	3.6	3.4	3.3	3.5	3.4
42	3.4	3.3	3.5	3.4	3.2	3.2	3.3	3.2	3.1	3.0	3.2	3.1
44	3.1	3.0	3.2	3.1	2.9	2.9	3.0	2.9	2.8	2.7	2.9	2.8
46	2.8	2.7	2.9	2.8	2.6	2.6	2.7	2.7	2.5	2.4	2.6	2.5
48			2.6	2.6	2.4	2.3	2.5	2.4	2.2	2.2	2.3	2.3
50			2.4	2.3			2.3	2.2	2.0	1.9	2.1	2.0
52				2.1			2.0	2.0		1.7	1.9	1.8
54							1.8	1.8			1.7	1.6
56											1.5	1.4

Lifting performance table of jib (III)								
Rear counterweight 32 T, central counterweight 10 T								
Length of main boom (m)	49				52			
Length of jib (m)	12		18		12		18	
Included angle Range (m)	10°	30°	10°	30°	10 °	30 °	10 °	30 °
15	12.5							
16	12.5				12.5			
18	12.4		10.7		12.3		10.7	
20	10.8	8.3	10.2		10.6	8.3	10.2	
22	9.3	7.9	9.4		9.2	7.9	9.3	
24	8.2	7.6	8.3	5.5	8.0	7.6	8.1	5.5
26	7.2	7.1	7.3	5.2	7.0	7.0	7.1	5.2
28	6.4	6.3	6.5	5.0	6.2	6.1	6.3	5.0
30	5.7	5.6	5.8	4.7	5.5	5.4	5.6	4.7
32	5.1	5.0	5.1	4.5	4.9	4.8	5.0	4.5
34	4.5	4.5	4.6	4.3	4.4	4.3	4.5	4.3
36	4.1	4.0	4.1	4.2	3.9	3.8	4.0	4.2
38	3.6	3.6	3.7	4.0	3.5	3.4	3.6	4.0
40	3.3	3.2	3.4	3.3	3.1	3.0	3.2	3.1
42	2.9	2.9	3.0	2.9	2.8	2.7	2.9	2.8
44	2.6	2.6	2.7	2.6	2.5	2.4	2.6	2.5
46	2.3	2.3	2.4	2.4	2.2	2.1	2.3	2.2
48	2.1	2.0	2.2	2.1	1.9	1.9	2.0	2.0
50	1.9	1.8	2.0	1.9	1.7	1.6	1.8	1.7
52	1.7	1.6	1.7	1.7	1.5	1.4	1.6	1.5
54			1.5	1.5	1.3	1.2	1.4	1.3
56			1.4	1.3	1.1	1.1	1.0	1.0

Lifting performance table of jib (IV)												
Rear counterweight 25.5 T, central counterweight 10 T												
Length of main boom (m)	31				34				37			
Length of jib (m)	12		18		12		18		12		18	
Included angle Range (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
12	12.5				12.5							
13	12.5				12.5				12.5			
14	12.5		11.6		12.5		11.6		12.5			
15	12.5	9.6			12.5				12.5			
16	11.9	9.5	11.2		11.8	9.5	11.2		11.7	9.5	11.2	
18	10.2	9.1	10.3		10.1	9.1	10.1		10.0	9.1	10.0	
20	8.8	8.3	8.9	6.2	8.7	8.3	8.8	6.2	8.6	8.3	8.7	
22	7.8	7.7	7.8	5.7	7.7	7.6	7.7	5.7	7.5	7.5	7.6	5.7
24	6.9	6.8	7.0	5.5	6.8	6.7	6.8	5.5	6.6	6.6	6.7	5.5
26	6.1	6.1	6.2	5.2	6.0	5.9	6.1	5.2	5.8	5.8	5.9	5.2
28	5.5	5.4	5.6	5.0	5.3	5.3	5.4	5.0	5.2	5.1	5.3	5.0
30	4.9	4.9	5.0	4.7	4.8	4.7	4.9	4.7	4.6	4.6	4.7	4.7
32	4.4	4.4	4.5	4.5	4.3	4.2	4.4	4.3	4.2	4.1	4.2	4.2
34	4.0	4.0	4.1	4.1	3.9	3.8	4.0	3.9	3.7	3.7	3.8	3.8
36	3.7	3.6	3.7	3.7	3.5	3.4	3.6	3.5	3.4	3.3	3.4	3.4
38	3.3	3.3	3.4	3.4	3.2	3.1	3.3	3.2	3.0	3.0	3.1	3.1
40			3.1	3.1	2.9	2.8	3.0	2.9	2.7	2.7	2.8	2.8
42			2.8	2.8		2.6	2.7	2.6	2.5	2.4	2.6	2.5
44							2.5	2.4		2.2	2.3	2.3
46							2.2	2.2			2.1	2.0
48											1.9	1.8
50											1.7	1.7

Lifting performance table of jib (V)								
Rear counterweight 25.5 T, central counterweight 10 T								
Length of main boom (m)	40				43			
Length of jib (m)	12		18		12		18	
Included angle Range (m)	10°	30°	10°	30°	10°	30°	10°	30°
13	12.5							
14	12.5				12.5			
15	12.5				12.5			
16	11.6		11.2		11.5		11.2	
18	9.9	9.1	9.9		9.8	9.1	9.8	
20	8.5	8.3	8.6		8.4	8.3	8.5	
22	7.4	7.3	7.5	5.7	7.3	7.2	7.4	5.7
24	6.5	6.4	6.6	5.5	6.3	6.3	6.4	5.5
26	5.7	5.6	5.8	5.2	5.6	5.5	5.7	5.2
28	5.1	5.0	5.1	5.0	4.9	4.9	5.0	4.9
30	4.5	4.4	4.6	4.5	4.4	4.3	4.4	4.4
32	4.0	4.0	4.1	4.0	3.9	3.8	4.0	3.9
34	3.6	3.5	3.7	3.6	3.4	3.4	3.5	3.5
36	3.2	3.2	3.3	3.3	3.1	3.0	3.2	3.1
38	2.9	2.8	3.0	2.9	2.7	2.7	2.8	2.8
40	2.6	2.5	2.7	2.6	2.5	2.4	2.5	2.5
42	2.3	2.3	2.4	2.4	2.2	2.1	2.3	2.2
44	2.1	2.0	2.2	2.1	1.9	1.9	2.0	2.0
46	1.9	1.8	2.0	1.9	1.7	1.7	1.8	1.8
48			1.8	1.7	1.5	1.5	1.6	1.6
50			1.6	1.5		1.3	1.4	1.4
52			1.4	1.4			1.3	1.2
54							1.1	1.0

Lifting performance table of jib (VI)								
Rear counterweight 25.5 T, central counterweight 10 T								
Length of main boom (m)	46				49			
Length of jib (m)	12		18		12		18	
Included angle Range (m)	10°	30°	10°	30°	10 °	30 °	10 °	30 °
15	12.5				12.4			
16	11.4				11.3			
18	9.7	9.1	9.7		9.5		9.6	
20	8.3	8.2	8.4		8.1	8.1	8.2	
22	7.1	7.1	7.2		7.0	6.9	7.1	
24	6.2	6.1	6.3	5.5	6.1	6.0	6.2	5.5
26	5.4	5.4	5.5	5.2	5.3	5.2	5.4	5.2
28	4.8	4.7	4.9	4.8	4.6	4.6	4.7	4.7
30	4.2	4.2	4.3	4.2	4.1	4.0	4.2	4.1
32	3.7	3.7	3.8	3.8	3.6	3.5	3.7	3.6
34	3.3	3.3	3.4	3.3	3.2	3.1	3.3	3.2
36	2.9	2.9	3.0	3.0	2.8	2.7	2.9	2.8
38	2.6	2.6	2.7	2.6	2.5	2.4	2.6	2.5
40	2.3	2.3	2.4	2.3	2.2	2.1	2.3	2.2
42	2.0	2.0	2.1	2.1	1.9	1.8	2.0	1.9
44	1.8	1.8	1.9	1.8	1.7	1.6	1.8	1.7
46	1.6	1.5	1.7	1.6	1.4	1.4	1.5	1.5
48	1.4	1.3	1.5	1.4	1.2	1.2	1.3	1.3
50	1.2	1.2	1.3	1.2	1.1	1.0	1.2	1.1
52		1.0	1.1	1.1	0.9	0.8	1.0	0.9
54			1.0	0.9			0.8	0.8

Lifting performance table of jib (VII)												
Rear counterweight 19 T, central counterweight 0 T												
Length of main boom (m)	31				34				37			
Length of jib (m)	12		18		12		18		12		18	
Included angle Range (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
12	12.5				12.5							
13	11.9				11.8				11.7			
14	10.7		10.8		10.6		10.7		10.5			
15	9.7	9.6	9.8		9.6		9.7		9.5		9.6	
16	8.9	8.9	9.0		8.8	8.8	8.9		8.7	8.7	8.8	
18	7.6	7.5	7.6		7.5	7.4	7.5		7.3	7.3	7.4	
20	6.5	6.4	6.6	6.2	6.3	6.3	6.4	6.2	6.2	6.2	6.3	
22	5.6	5.6	5.7	5.7	5.5	5.4	5.6	5.5	5.3	5.3	5.4	5.4
24	4.9	4.8	5.0	4.9	4.7	4.7	4.8	4.8	4.6	4.5	4.7	4.6
26	4.3	4.2	4.4	4.3	4.1	4.1	4.2	4.2	4.0	3.9	4.1	4.0
28	3.8	3.7	3.9	3.8	3.6	3.6	3.7	3.7	3.5	3.4	3.6	3.5
30	3.3	3.3	3.4	3.4	3.2	3.1	3.3	3.2	3.1	3.0	3.2	3.1
32	3.0	2.9	3.1	3.0	2.8	2.8	2.9	2.9	2.7	2.6	2.8	2.7
34	2.6	2.6	2.7	2.7	2.5	2.4	2.6	2.5	2.4	2.3	2.4	2.4
36	2.4	2.3	2.4	2.4	2.2	2.2	2.3	2.2	2.1	2.0	2.2	2.1
38	2.1	2.0	2.2	2.1	1.9	1.9	2.0	2.0	1.8	1.8	1.9	1.8
40			2.0	1.9	1.7	1.7	1.8	1.8	1.6	1.5	1.7	1.6
42			1.7	1.7		1.5	1.6	1.5	1.4	1.3	1.5	1.4
44							1.4	1.4		1.1	1.3	1.2
46							1.2	1.2			1.1	1.0

Lifting performance table of jib (VIII)								
Rear counterweight 19 T, central counterweight 0 T								
Length of main boom (m)	40				43			
Length of jib (m)	12		18		12		18	
Included angle Range (m)	10°	30°	10°	30°	10°	30°	10°	30°
13	11.6							
14	10.4				10.3			
15	9.4				9.3			
16	8.6		8.7		8.5		8.6	
18	7.2	7.1	7.3		7.0	7.0	7.1	
20	6.1	6.0	6.2		5.9	5.9	6.0	
22	5.2	5.1	5.3	5.2	5.0	5.0	5.1	5.1
24	4.5	4.4	4.6	4.5	4.3	4.3	4.4	4.4
26	3.9	3.8	4.0	3.9	3.7	3.7	3.8	3.8
28	3.4	3.3	3.4	3.4	3.2	3.2	3.3	3.2
30	2.9	2.9	3.0	3.0	2.8	2.7	2.9	2.8
32	2.5	2.5	2.6	2.6	2.4	2.3	2.5	2.4
34	2.2	2.2	2.3	2.2	2.1	2.0	2.2	2.1
36	1.9	1.9	2.0	2.0	1.8	1.7	1.9	1.8
38	1.7	1.6	1.8	1.7	1.5	1.5	1.6	1.6
40	1.4	1.4	1.5	1.5	1.3	1.2	1.4	1.3
42	1.2	1.2	1.3	1.3	1.1	1.0	1.2	1.1
44	1.0	1.0	1.1	1.1	0.9	0.8	1.0	0.9
46		0.8	1.0	0.9			0.8	0.8

Notes:

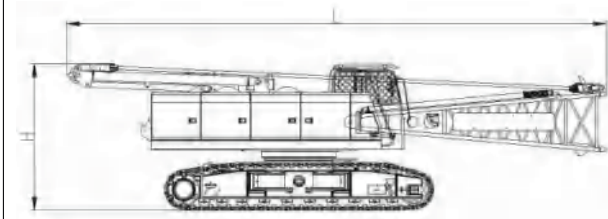
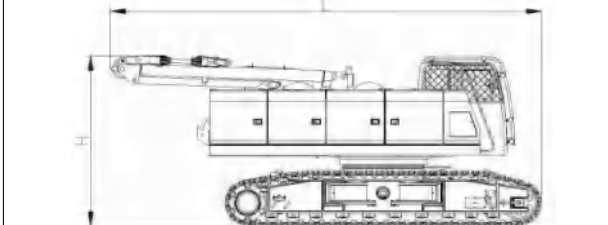
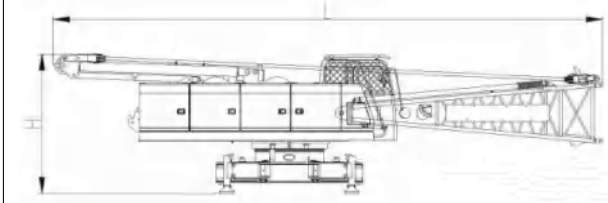
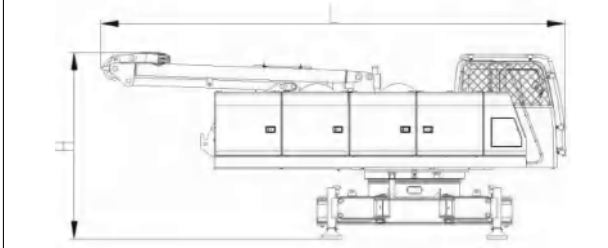
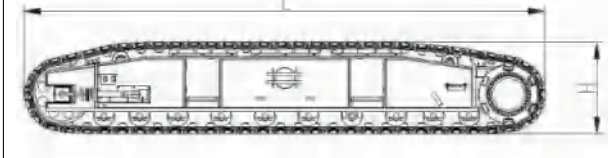
1.The actual lifting weight refers to the value of the rated total lifting weight in the table after deducting the weight of lifting hooks and all lifting appliances.

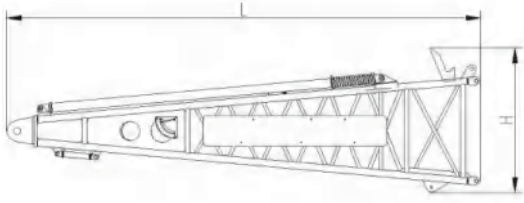
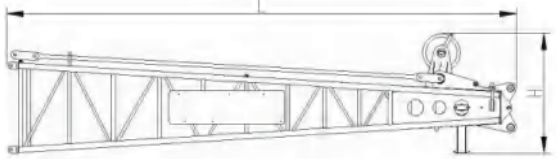
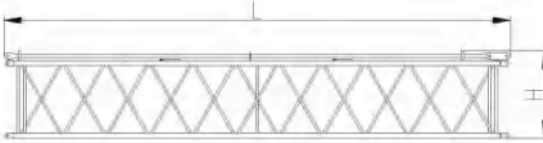
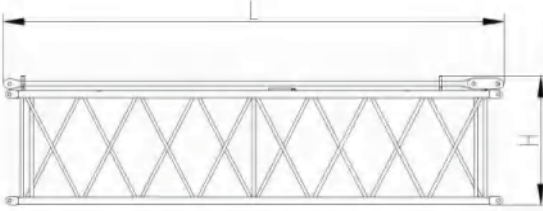
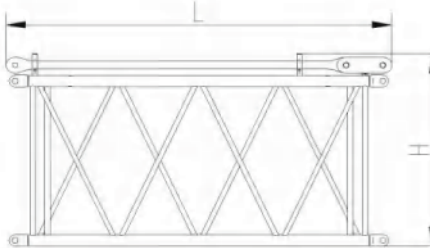
2.The maximum allowable wind pressure and wind speed for the main boom operation are respectively 60N/m2 and 9.8m/s.

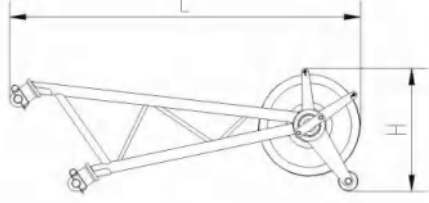
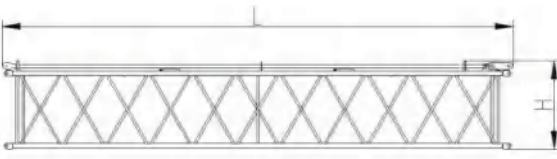
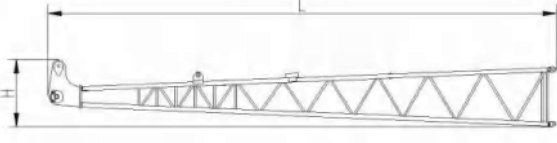
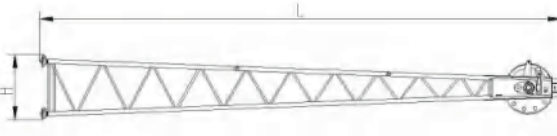
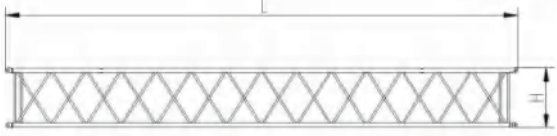
3.The data in () in the load table is the load within the actual operating radius

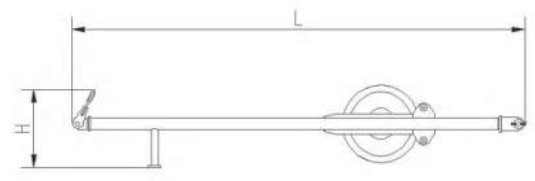
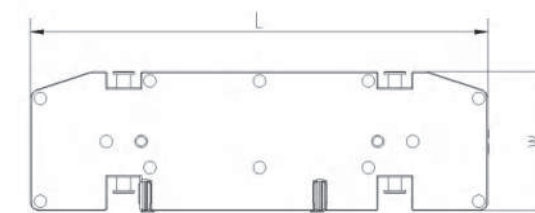
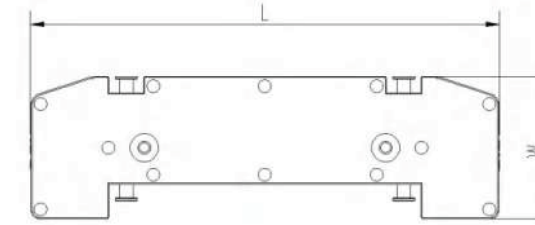
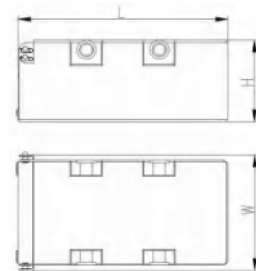
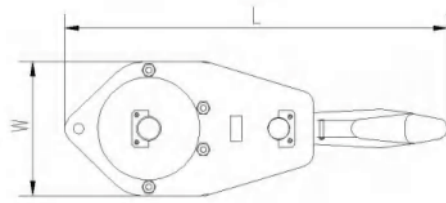
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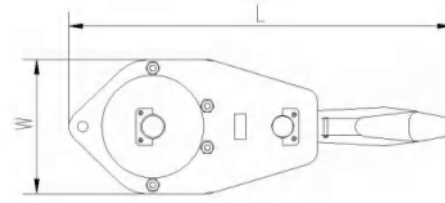
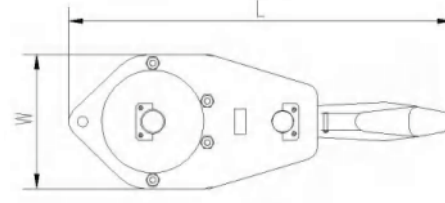
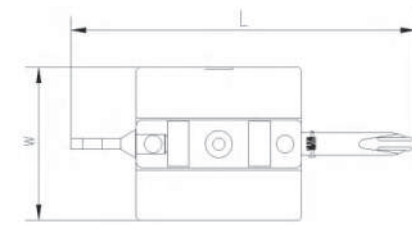
Crawler Crane with Telescopic Boom

Name of Main Parts	Quantity, dimensions and weight	
	Main machine 1 (with bottom segment and crawler frame)	×1
	Length (L)	12740mm
	Width (W)	3400mm
	Height (H)	3440mm
	Weight	40000kg
	Main machine 2 (without bottom segment)	×1
	Length (L)	8655mm
	Width (W)	3400mm
	Height (H)	3440mm
	Weight	38600kg
	Main machine 3 (with lower segment)	×1
	Length (L)	12740mm
	Width (W)	3000mm
	Height (H)	3237mm
	Weight	23200kg
	Main machine 4	×1
	Length (L)	8089mm
	Width (W)	3000mm
	Height (H)	3237mm
	Weight	21793kg
	Crawler frame	×2
	Length (L)	6343mm
	Width (W)	1113mm
	Height (H)	1119mm
	Weight	8400kg

Name of Main Parts	Quantity, dimensions and weight	
	Bottom boom segment	×1
	Length (L)	6195mm
	Width (W)	1790mm
	Height (H)	1885mm
	Weight	1407kg
	Top segment of main boom	×1
	Length (L)	7913kg
	Width (W)	1630mm
	Height (H)	1855mm
	9 m standard segment of main boom	×3
	Length (L)	9150mm
	Width (W)	1790mm
	Height (H)	1573mm
	6 m standard segment of main boom	×2
	Length (L)	6150mm
	Width (W)	1790mm
	Height (H)	1573mm
	3 m standard segment of main boom	×1
	Length (L)	3150mm
	Width (W)	1790mm
	Height (H)	1573mm
	Weight	395 kg

Name of Main Parts	Quantity, dimensions and weight	
	Goose head frame	×1
	Length (L)	2060mm
	Width (W)	715mm
	Height (H)	723mm
	Weight	167kg
	9 m cable segment	×1
	Length (L)	9150mm
	Width (W)	1790mm
	Height (H)	1573mm
	Bottom jib segment	×1
	Length (L)	6131mm
	Width (W)	866mm
	Height (H)	800mm
	Top segment of jib	×1
	Length (L)	6434mm
	Width (W)	932mm
	Height (H)	807mm
	6 m segment of jib	×1
	Length (L)	6070mm
	Width (W)	932mm
	Height (H)	799mm
	Weight	176kg

Name of Main Parts	Quantity, dimensions and weight	
	Strut	x1
	Length (L)	3542mm
	Width (W)	835mm
	Height (H)	632mm
	Weight	214kg
	Low counterweight	x1
	Length (L)	3400mm
	Width (W)	1031mm
	Height (H)	746mm
	Weight	5997kg
	Counterweight 1	x4
	Length (L)	3406mm
	Width (W)	1031mm
	Height (H)	497mm
	Weight	6490kg
	Body weight	x1
	Length (L)	1743mm
	Width (W)	1002mm
	Height (H)	674mm
	Weight	5002kg
	Hook 100 t	x1
	Length (L)	1910mm
	Width (W)	790mm
	Height (H)	584mm
	Weight	1250kg

Name of Main Parts	Quantity, dimensions and weight	
	Hook 75 t	x1
	Length (L)	1956mm
	Width (W)	464mm
	Height (H)	790mm
	Weight	950kg
	Hook 30 t	x1
	Length (L)	1710mm
	Width (W)	391mm
	Height (H)	790mm
	Weight	650kg
	Hook 12.5 t	x1
	Length (L)	910mm
	Width (W)	360mm
	Height (H)	360mm
	Weight	350kg

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If you have any needs, just call the 24-hour after-sales service hotline: 400-887-8230.



Arrival in 2 hours

Our personnel will arrive at the scene in 2 hours within the city where the office is located, in 12 hours within the province, and in 48 hours outside the province.



Reply in 15 minutes

The after-sales service engineer will take the initiative to get in touch with you in 15 minutes to learn about your equipment conditions and service requirements, and remotely guide you to handle the problem through the phone.



Handling of major problems

In case of major and special problems, the service system will activate rapid response mechanism, expert support mechanism and green channel of parts.



Departure in 1 hour

If the fault cannot be handled through the guidance via the phone, the service engineer will carry maintenance tools to your site in one hour for on-site maintenance.



Return visit by phone

After the on-site service is completed, the Call Center of Sunward Headquarters will make a return visit by phone, to track the quality and completion of the service, listen to customers' opinions and suggestions, and give feedback to each functional department for implementation and improvement, so as to provide customers with better service.