

ZOOMLION

Zoomlion Heavy Industry Science & Technology Co.,Ltd.

Add: No.677, Lugu Road, Zoomlion Industrial Park, Changsha, Hunan, China, 410205

Copyright©2019 Zoomlion. All rights reserved. Reproduction and copying of any part of contents is not allowed for any purposes without Zoomlion's approval.



Product specifications are subject to change without notice and obligation. The photographs and/or drawing in this document are for illustrative purposes only. Please consult your local ZOOMLION dealer for more information.
website:en.zoomlion.com 2020.06.15

ZOOMLION **TRUCK** CRANE ZTC1300H



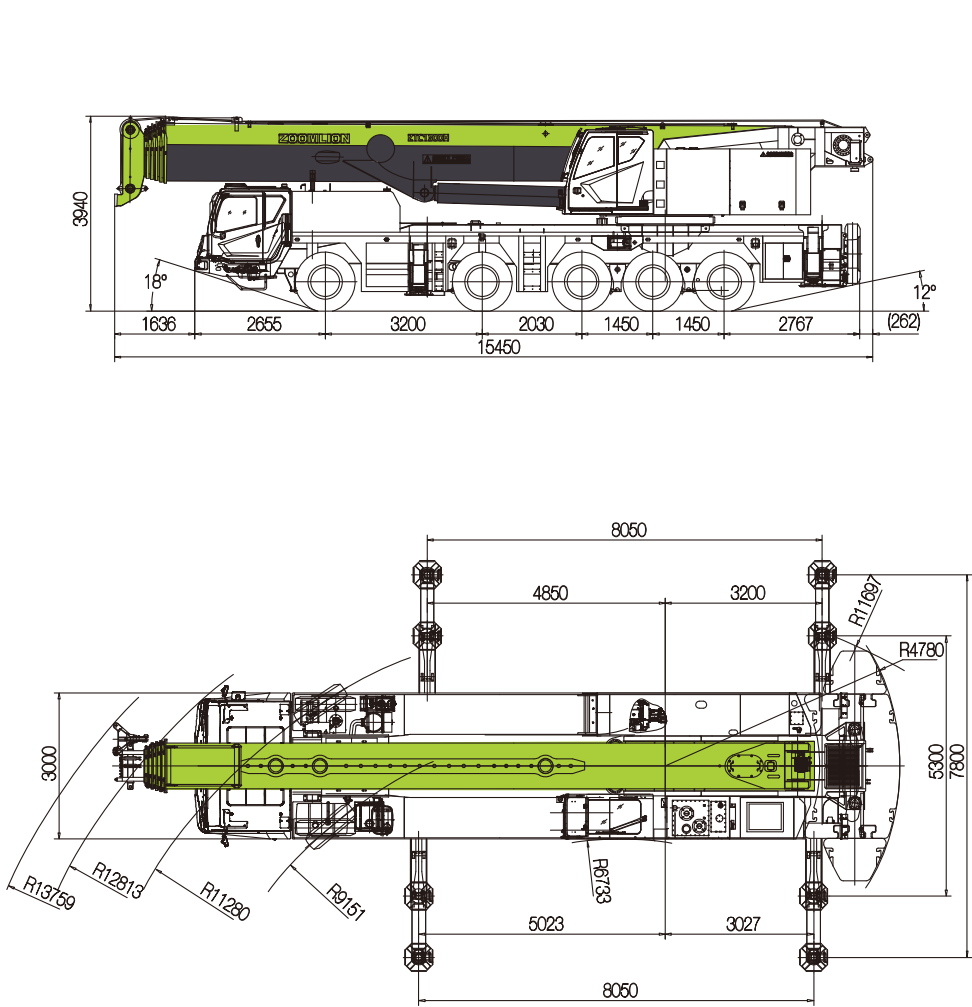
ZOOMLION

40
PRODUCTS

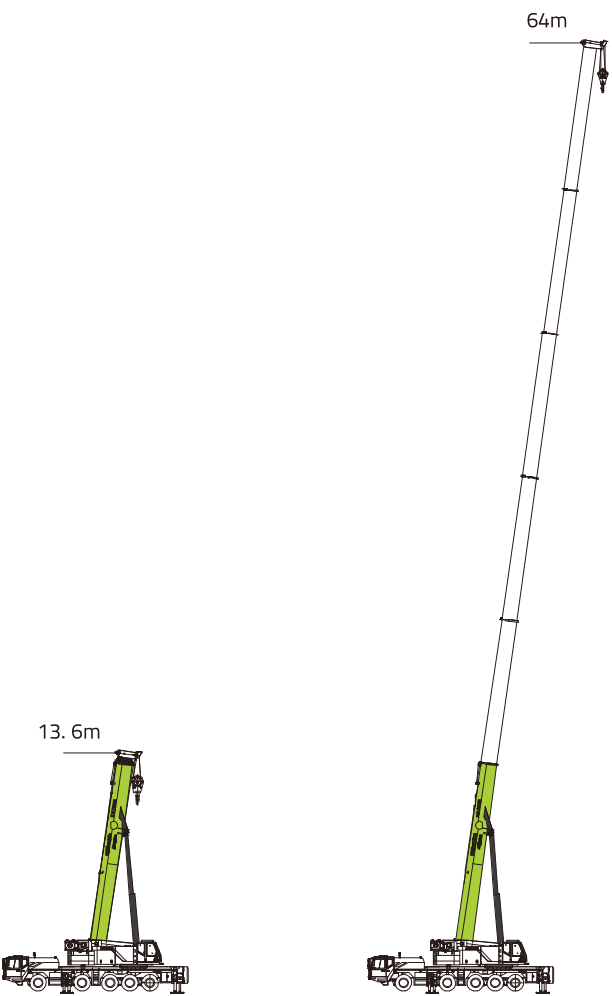
CONTENTS

CRANE DIMENSIONS	2
BOOM / JIBS COMBINATION	2-4
CRANE AND COMPONENT WEIGHTS	4-5
LIFTING HEIGHT CURVE	5-9
LIFTING CAPACITY TABLES	5-9
TECHNICAL SPECIFICATIONS	10
MAIN TECHNICAL PARAMETERS.....	10

CRANE DIMENSIONS

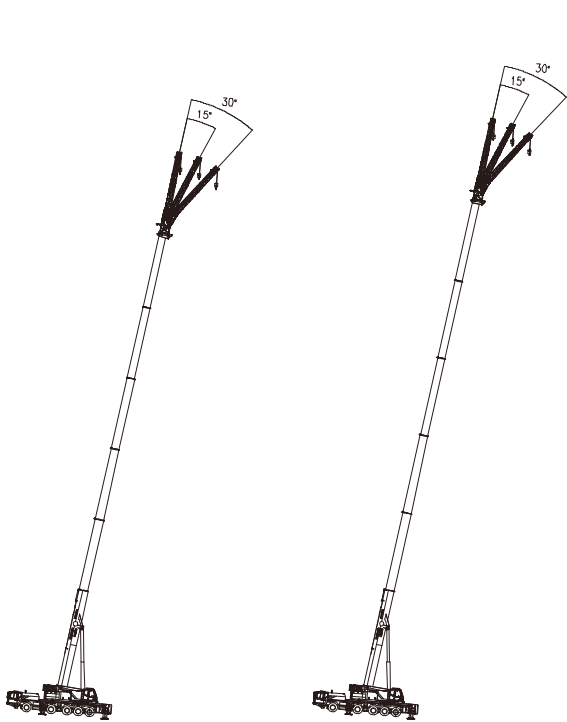


BOOM / JIBS COMBINATION



Main boom

BOOM / JIBS COMBINATION



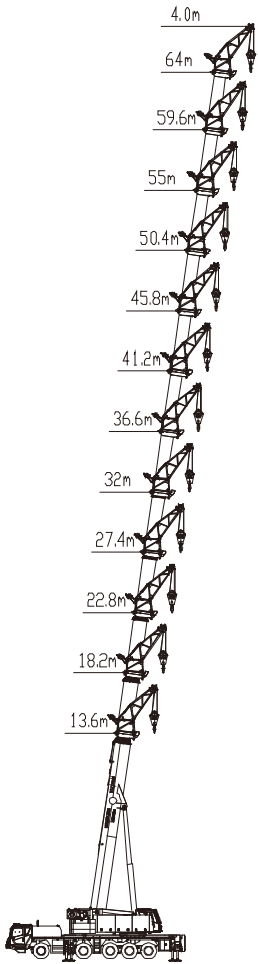
Main boom: 59.6m, Jibs: 10.4m
(3.1m adapter + 7.3m jib section 1)
Main boom: 64.0m, Jibs: 10.4m
(3.1m adapter + 7.3m jib section 1)



Main boom: 59.6m, Jibs: 17.5m (10.4m + 7.1m jib section 2)
Main boom: 64.0m, Jibs: 17.5m (10.4m + 7.1m jib section 2)



Main boom: 59.6m, Jibs: 24.5m (17.5m + 7m jib extension)
Main boom: 64.0m, Jibs: 24.5m (17.5m + 7m jib extension)



Main boom + 4.0m tip boom

BOOM / JIBS COMBINATION

CRANE AND COMPONENT WEIGHTS

 Axle	1	2	3	4	5	Total weight
kg	9950	9950	12625	12625	9750	54900

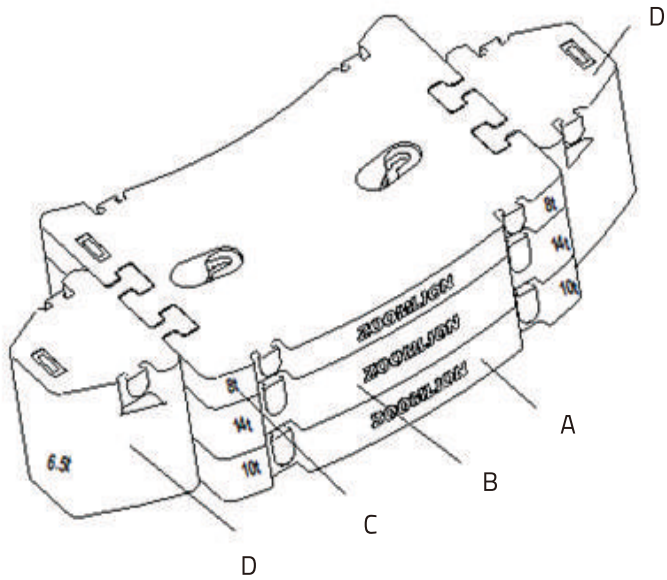
 Hook Detailed Description				
Hook Load T	No. of Sheaves	No. of Lines	Weight Kg	Remark
130(anchor)	8	16	1480	optional
90(anchor)	7	14	1080	optional
70(anchor)	5	10	928	optional
70	5	10	910	standard
25	1	3	570	optional
9	0	1	305	standard

 Working Speed			
	(km/h) MAX.		
12.00R24	75	40	10/ R2

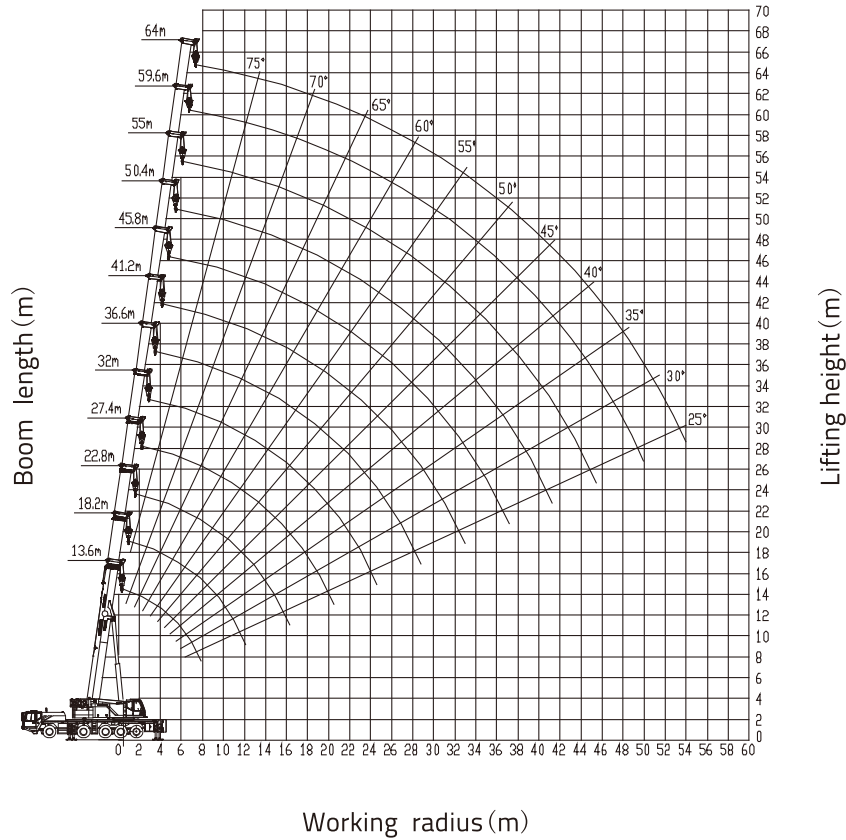
Drive	Operation Speed	Rope diameter/length	Max. single line pull
	115m/min	Φ 19mm/350m	9000Kg
	75m/min	Φ 19mm/220m	6500Kg
	0 ~ 1.5r/min		
	70/80s		
	550/480s		

CRANE AND COMPONENT WEIGHTS

Counterweight						
Counterweight	Size(L*W*H) mm	Weight T	10T	24T	32T	45T
A	2940x1944x1010	10	1	1	1	1
B	2940x1944x505	14	/	1	1	1
C	2940x1944x265	8	/	/	1	1
D	1275x1135x1020	6.5	/	/	/	2



LIFTING HEIGHT CURVE



Lifting height (m)

LIFTING CAPACITY TABLES

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear													
Working Radius (m)	Main boom length (m)												
	13.6	18.2	18.2	22.8	22.8	22.8	27.4	27.4	27.4	32	32	32	
3.0	130	100	50.5										
3.5	100	96	50.5	91 *	26.0	75.0		28.0	65.0				
4.0	100	92	49.0	86	24.0	75.0	75	26.4	65.0				
4.5	96	88	46.0	84	23.0	75.0	75	25.2	65.0	65	24.5	54.0	
5.0	92	83	44.0	79	21.5	75.0	72	23.8	65.0	65	23.1	52.0	
5.5	86	78	42.2	74	20.5	73.0	69	22.7	64.0	63	22.0	50.0	
6.0	80	73	40.5	70	19.5	70.0	65	21.8	60.0	61	20.8	47.7	
7.0	67	67	37.5	63	18.0	63.0	61	20.0	56.0	59	19.0	44.0	
8.0	58	60	35.0	57	16.5	57.5	54	18.4	51.0	53	17.5	40.2	
9.0	50	53	33.0	51	15.1	52.0	49	17.1	47.0	49	16.0	38.0	
10.0	43	46	31.0	46	14.0	46.0	46	16.1	44.0	45	14.8	35.2	
11.0		40	29.3	41	13.2	40.5	43	15.1	40.0	42	13.8	33.0	
12.0		35	28.0	36	12.4	35.5	39	14.2	36.0	39	12.9	31.0	
14.0				30	11.0	28.0	31	12.7	29.0	32	11.4	28.0	
16.0				24.5	10.0	23.0	25	11.5	23.5	26	10.2	24.8	
18.0							20.5	10.5	19.5	21	9.2	21.0	
20.0							17.5	9.7	16.5	18	8.3	18.0	
22.0										15	7.6	15.7	
24.0										13	7.0	13.6	
Reeving	14	14		12			10				8		
Hook				90t							70t		
Telescoping mode	I	1	1	1	2	1	1	2	1	1	2	1	1
	II	1	2	1	2	1	2	2	1	2	2	1	2
	III	1	1	1	1	1	2	2	1	2	2	1	2
	IV	1	1	1	1	1	1	1	2	2	2	3	2
	V	1	1	2	1	3	1	1	3	1	1	3	2

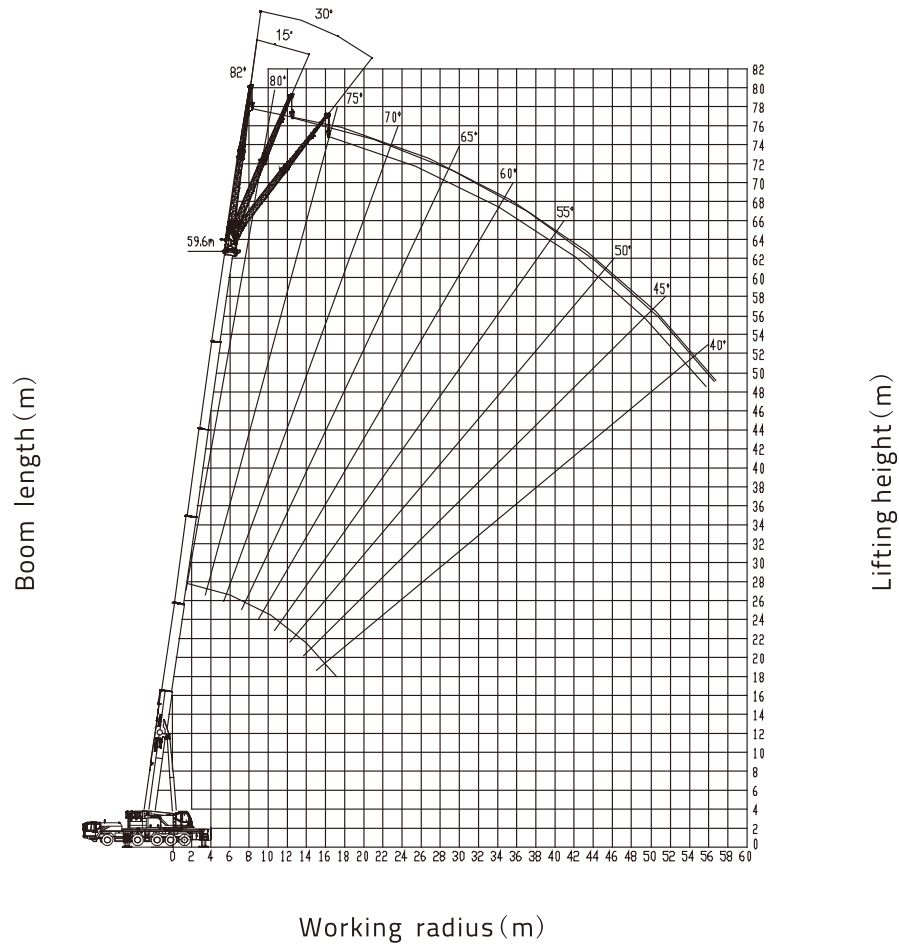
Note: 130T hook shall be used for those points in which the lifting capacity is above 90T.

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear													
Working Radius (m)	Main boom length (m)												
	36,6	36,6	36,6	41,2	41,2	41,2	45,8	45,8	45,8	50,4	50,4	50,4	
5,5	50	23,5	28,0										
6,0	50	22,5	27,0										
7,0	50	20,5	24,2	42	21,7	36,8							
8,0	47	19,0	22,3	40	20,0	34,0							
9,0	44	17,5	20,4	37,6	18,6	31,5	33,5	20,1	28,0				
10,0	42	16,3	18,6	35	17,2	29,2	31,5	18,7	26,0	27,5	22,8	19,5	
11,0	39,5	15,3	17,5	32,5	16,0	27,0	30	17,5	24,5	26	21,4	18,4	
12,0	37,2	14,3	16,3	31	14,9	25,0	27,5	16,3	22,8	24,5	20,2	17,2	
14,0	32	12,7	14,2	27,5	13,0	22,3	24,5	14,4	20,0	22	18,0	15,3	
16,0	26	11,5	12,7	24,2	11,6	19,8	21,5	12,8	17,7	19,5	16,0	13,7	
18,0	22	10,5	11,5	21	10,5	17,7	19,5	11,6	15,9	17,5	14,5	12,4	
20,0	19	9,4	10,5	18,5	9,4	16,0	17,5	10,5	14,3	16	13,0	11,3	
22,0	16	8,6	9,5	16	8,5	14,5	15,5	9,5	13,0	14,5	12,0	10,0	
24,0	14	8,0	8,7	13,5	7,8	13,0	13,5	8,7	11,9	13	11,0	9,3	
26,0	12	7,5	7,9	12	7,2	11,2	11,5	8,1	10,8	12	10,0	8,7	
28,0	10,5	7,0	7,3	10,5	6,7	10,0	10	7,5	10,0	10,5	9,2	8,0	
30,0	9,3	6,5	6,8	9	6,2	8,8	8,8	6,9	9,1	9,2	8,5	7,4	
32,0				8	5,8	7,7	7,8	6,5	8,0	8,1	7,8	6,8	
34,0				7	5,5	7,0	6,8	6,0	7,2	7,1	7,2	6,3	
36,0							6	5,7	6,4	6,3	6,5	6,0	
38,0							5	5,3	5,7	5,5	5,8	5,7	
40,0										4,9	5,2	5,3	
42,0										4,3	4,7	4,8	
44,0													
Reeving	6			5			4			4			
Hook	70t												
Telescoping mode	I	2	1	1	3	1	2	3	1	2	3	2	1
	II	2	1	1	2	1	3	3	2	3	3	3	3
	III	2	2	3	2	3	2	2	3	3	3	3	3
	IV	2	3	3	2	3	2	2	3	2	2	3	3
	V	2	3	2	2	3	2	2	3	2	2	2	3

LIFTING CAPACITY TABLES

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear					
Radius (m)	Main boom length (m)				
	55	55	59,6	64	
11,0	20	19,0			
12,0	20	18,0			
14,0	18,7	15,5	16,5	13,2	
16,0	17,8	14,5	15,5	12,7	
18,0	16	13,0	14,4	12,5	
20,0	14,5	12,0	13,2	11,4	
22,0	13,5	11,0	12,1	10,4	
24,0	12,5	10,0	11,2	9,9	
26,0	11,5	9,2	10,5	9,2	
28,0	10,5	8,5	9,8	8,7	
30,0	9,6	8,0	9,2	8,2	
32,0	8,5	7,5	8,3	7,6	
34,0	7,5	7,1	7,5	6,9	
36,0	6,6	6,7	6,9	6,4	
38,0	5,9	6,0	6,2	6	
40,0	5,2	5,5	5,5	5,5	
42,0	4,6	5,0	5	5	
44,0	4	4,5	4,4	4,4	
46,0	3,5	4,0	3,9	4	
48,0			3,5	3,6	
50,0			3,1	3,2	
52,0				2,8	
54,0				2,5	
Reeving		3	3	2	2
Telescoping mode	Hook		25t		
	I	3	2	3	4
	II	3	3	3	4
	III	3	3	3	4
	IV	3	3	3	4
	V	2	3	3	4

LIFTING HEIGHT CURVE

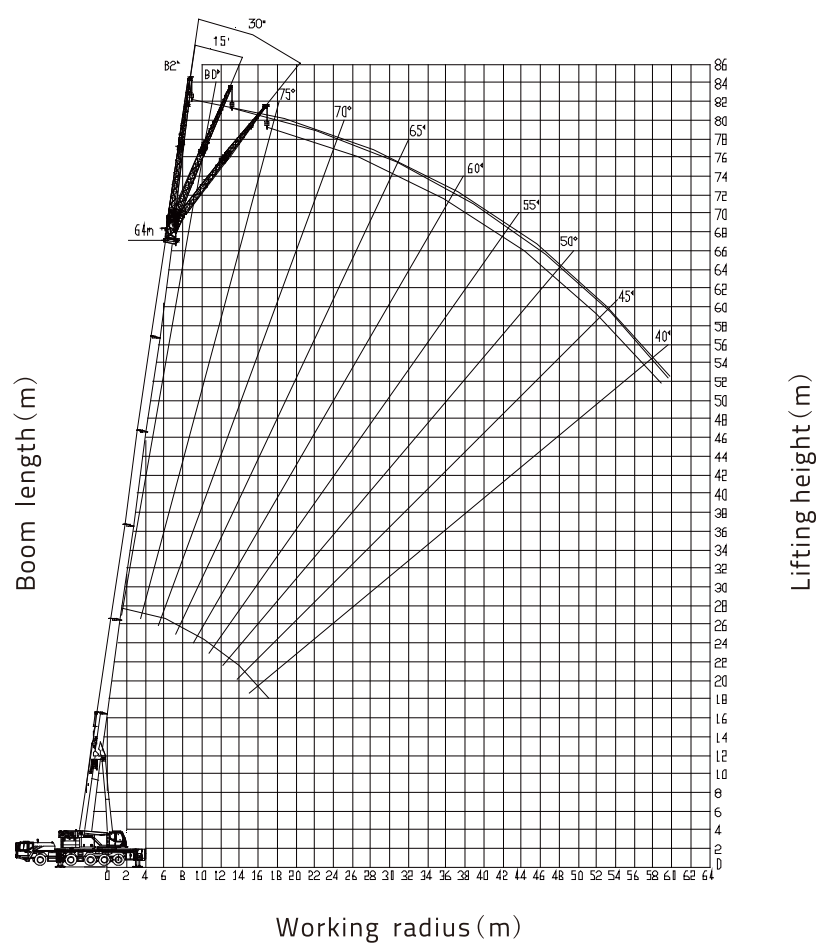


Lifting height (m)

LIFTING CAPACITY TABLES

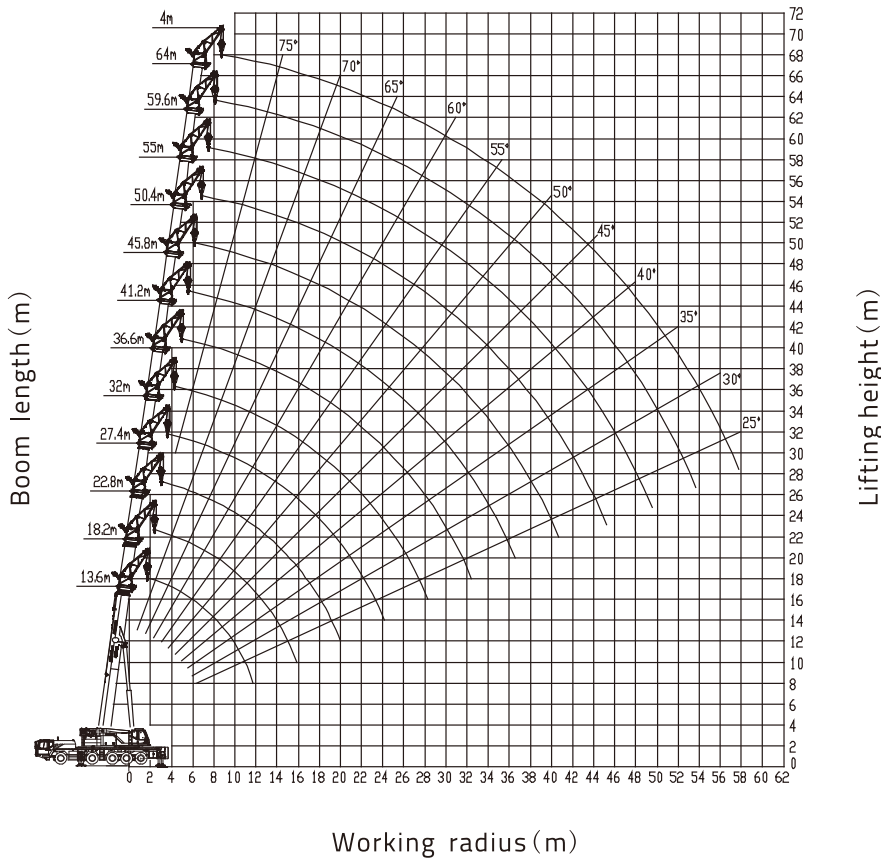
Radius (m)	Main Boom (m) + jlb (m)																	
	Outriggers are fully extended, with 45 tons counterweight, over slides and rear																	
	10,4						17,5						24,5					
	59,6			64			59,6			64			59,6			64		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
16	6,5													15°				
18	6,5	4,6		6,5			4,0											
20	6,4	4,6	4,3	6,3	4,6		4,0	2,2		4,0			2,6					
22	6,2	4,5	4,3	6,1	4,5	4,3	3,9	2,2		3,9	2,2		2,6			2,6		
24	6,0	4,4	4,1	5,8	4,4	4,1	3,8	2,2	1,8	3,8	2,2		2,5			2,5		
26	5,7	4,3	4,0	5,6	4,3	4,0	3,6	2,1	1,8	3,6	2,1	1,8	2,5	1,8		2,5	1,8	
28	5,5	4,3	4,0	5,4	4,3	4,0	3,4	2,1	1,8	3,4	2,1	1,8	2,5	1,8	1,5	2,4	1,8	1,5
30	5,3	4,2	3,9	5,2	4,2	3,9	3,2	2,0	1,7	3,2	2,0	1,7	2,4	1,8	1,5	2,4	1,8	1,5
32	5,2	4,1	3,8	5,0	4,1	3,8	3,0	2,0	1,7	3,0	2,0	1,7	2,3	1,7	1,4	2,3	1,7	1,4
34	4,9	4,0	3,7	4,7	4,0	3,7	2,8	2,0	1,7	2,8	2,0	1,7	2,2	1,7	1,4	2,2	1,7	1,4
36	4,7	3,8	3,6	4,5	3,8	3,6	2,7	1,9	1,7	2,7	1,9	1,7	2,1	1,7	1,4	2,1	1,6	1,3
38	4,4	3,8	3,5	4,2	3,8	3,5	2,6	1,9	1,6	2,6	1,9	1,6	2,0	1,7	1,3	2,0	1,6	1,3
40	4,2	3,6	3,4	4,1	3,6	3,4	2,5	1,9	1,6	2,5	1,9	1,6	1,9	1,6	1,3	1,9	1,5	1,3
42	4,0	3,4	3,2	3,8	3,4	3,2	2,4	1,8	1,6	2,4	1,8	1,6	1,8	1,6	1,3	1,8	1,5	1,3
44	3,8	3,2	3,0	3,6	3,2	3,0	2,3	1,8	1,6	2,3	1,8	1,6	1,7	1,5	1,3	1,7	1,4	1,2
46	3,5	3,0	2,9	3,4	3,0	2,9	2,2	1,8	1,6	2,2	1,8	1,6	1,6	1,4	1,2	1,6	1,4	1,2
48	3,2	2,9	2,8	3,2	2,9	2,8	2,1	1,8	1,6	2,1	1,8	1,6	1,5	1,4	1,2	1,5	1,3	1,1
50	2,9	2,7	2,6	2,9	2,7	2,6	1,9	1,7	1,5	1,9	1,7	1,5	1,4	1,3	1,1	1,5	1,2	1,1
52	2,5	2,6	2,5	2,5	2,6	2,5	1,9	1,7	1,5	1,9	1,7	1,5	1,4	1,3	1,1	1,4	1,1	1,1
54	2,3	2,4	2,4	2,3	2,4	2,4	1,9	1,7	1,5	1,9	1,7	1,5	1,3	1,2	1,0	1,3	1,1	1,0
56	2,2	2,1	2,1	2,2	2,1	2,1	1,8	1,6	1,5	1,8	1,6	1,5	1,2	1,1	1,0	1,3	1,1	1,0
58	1,8	1,9	1,9	1,8	1,9	1,8	1,8	1,6	1,5	1,8	1,6	1,5	1,1	1,1	1,0	1,2	1,0	
60	1,6	1,6	1,6	1,6	1,7	1,7	1,6	1,6	1,4	1,6	1,6	1,4	1,1	1,0	1,0	1,1	1,0	
62				1,3	1,3	1,3	1,4	1,5	1,4	1,4	1,5	1,4	1,1	1,0		1,1	1,0	
64							1,2	1,3	1,3	1,2	1,3	1,3	1,0	1,0		1,0		
66										1,0	1,1	1,1	1,0			1,0		
Reeving	1																	
Hook	9t																	

LIFTING HEIGHT CURVE



Lifting height (m)

LIFTING HEIGHT CURVE



LIFTING CAPACITY TABLES

Outriggers fully extended (7.8 m), with 45 tons counterweight, over sides and rear													
Working Radius (m)	Main boom length												
	13.6	18.2	22.8	27.4	32	36.6	41.2	45.8	50.4	55	59.6	64	
3	28.0												
3.5	27.0	27.0											
4	26.5	26.5											
4.5	26.0	26.0	27.0										
5.0	25.5	25.5	26.0	27.0									
5.5	25.0	25.0	25.5	26.5									
6.0	24.5	24.0	25.0	26.0	26.0								
7.0	23.5	23.5	24.5	25.5	26.0								
8.0	22.5	23.0	24.0	25.0	25.5	24.0							
9.0	22.0	22.5	23.5	24.5	25.0	23.5	22.0						
10.0	21.5	22.0	23.0	24.0	24.5	23.0	21.5						
11.0	21.0	21.5	22.5	23.5	24.0	22.5	21.0	20.0					
12.0	21.0	21.0	22.0	23.0	23.5	22.0	20.5	19.0	18.0				
14.0		20.5	21.5	22.5	23.0	21.0	20.0	18.0	16.0	14.0			
16.0		20.0	21.0	21.5	22.0	20.5	19.0	17.0	14.5	13.0	11.0		
18.0			19.5	20.0	20.5	19.5	18.0	15.5	13.5	12.0	10.5	9.0	
20.0				16.5	17.0	17.5	17.0	14.5	12.2	11.0	10.0	9.0	
22.0					14.5	15.0	15.5	14.6	13.0	11.0	10.0	9.1	8.5
24.0						12.5	13.0	13.5	13.0	12.0	9.2	8.5	8.0
26.0							11.5	12.0	11.5	11.0	9.5	8.4	7.5
28.0								10.0	10.5	10.0	8.8	7.8	7.0
30.0									9.5	9.0	8.0	7.4	6.7
32.0										8.5	8.0	8.0	6.9
34.0												6.3	5.7
36.0												7.0	5.4
38.0													
40.0													
42.0													
44.0													
46.0													
48.0													
50.0													
52.0													
54.0													
56.0													
58.0													
60.0													
Reeving	4	4	4	4	4	3	3	3	3	2	2	2	
Hook			70t						25t				
Telescoping mode	I	1	1	2	2	2	2	3	3	3	3	3	4
	II	1	2	2	2	2	2	2	3	3	3	3	4
	III	1	1	1	2	2	2	2	2	3	3	3	4
	IV	1	1	1	1	2	2	2	2	2	3	3	4
	V	1	1	1	1	1	2	2	2	2	2	3	4

TECHNICAL SPECIFICATIONS

Crane Superstructure	
Main boom	6 section oval-shaped single cylinder pinning telescoping boom, made of high-tensile steel plate (960MPa). Main boom length: 13.6-64.0m.
Jib	Two section standard jibs, 10.4m, 17.5m, offset 0°, 15°, 30°. Optional jib extension 7m can be chosen. Only one sections jib extension can be equipped with standard jibs; total jib length reaches 24.5m.
Tip boom	4m long tip boom, offset 0°, 30°. It works with main winch, max. reeving 4, max. lifting capacity reaches 28T.
Slewing gear	Dual slewing gears with hydraulic fixed displacement motor, planetary reducer and slewing bearing.
Hoisting gear	Main winch and auxiliary winch can either operate separately, or work simultaneously. Main winch various displacement motor, while auxiliary winch uses fixed displacement motor. Wire rope diameter 19mm. Auxiliary winch and wire ropes are optional.
Hydraulic system	Electronic and hydraulic proportional control system with better mirco-position movement and compound movements. Hydraulic tank 1200 liters.
Electrical system	DC 24V, modular design, CAN BUS technology, LMI system can monitor the crane status.
Engine	WEICHAI WP6G210E330, max. output power 154kW / 2200r/min, max. torque 900Nm / 1200r/min - 1800r/min
Operator's cab	New cab with spacious room and man-machine friendly layout offers a comfortable operating experience. AC and heater. Can be tiltable up to 20°.
Safety devices	LMI, limit switch, relief valve, emergency stop button etc.
Counterweight	Total 45T counterweight ballasting system can be self-assemble or disassembled without extra assistant crane. Counterweight combinations: 0T, 10T, 24T, 32T and 45T.
Lubrication	Automobile lubrication system for major movement.

Crane Carrier	
Chassis frame	Made by ZOOMLION with high-tensile steel plate.
Outrigger	2 stage H-type outriggers, made of high-tensile steel plate(960 MPa), outrigger spread 7.8m(W)* 8.05m(L).
Engine	WEICHAI WP12.430E50 diesel engine, max. output power 316kw/1900r/min, max. torque 2060N.m / 1000-1400r/min. Fuel tank 400 liters.
Transmission	FAST 10JSD220A mechanical transmissions, 10 forward shifts and 2 reverse shifts.
Axles	ZOOMLION / HANDE axles, driving 10×6, steering 10×6.
Suspension	Front axles hydraulic-pneumatic suspension, rear axles steel leaf spring suspension.
Steering	Steering mechanism with relief valve, reliable and safe.
Brake	Service brake, parking brake, engine auxiliary brake.
Tires	Tire size: 325/95R24~20PR.
Driver's cab	Modern and luxury driver's cab with man-machine friendly layout offers a comfortable operating experience. AC and heater.

MAIN TECHNICAL PARAMETERS

Item		Value	Remarks
Working performance	Max. rated lifting capacity	kg	130000
	Max. load moment of basic boom	kN.m	4704
	Max. load moment of main boom (fully extended)	kN.m	2410
	Max. lifting height of basic boom	m	14.0
	Max. lifting height of main boom	m	64.5
	Max. lifting height of jib	m	82.2/ (89.2)
Working speeds	Max. hoist rope speed (Main winch)	m/min.	115
	Max. hoist rope speed (Auxiliary winch)	m/min.	75
	Boom derricking up time	s	70
	Boom extending time	s	550
	Max. slewing speed	r/min.	1.5
Driving	Max. height above sea level	m	2000
	Max. driving speed	km/h	75
	Max. gradeability	%	40
	Min. turning diameter	m	23
	Min. ground clearance	mm	320
	Fuel consumption per hundred kilometers	L	70
Mass	Deadweight in driving condition	kg	54900
	Complete vehicle kerb mass	kg	54705
	Load on axles 1, 2	kg	9950/9950
	Load on axles 3, 4 and 5	kg	25250 (tandem) /9750
Dimension	Overall dimensions (L × W × H)	mm	15450×3000×3940
	Outrigger spread (L)	m	8.05
	Outrigger spread (W)	m	7.8 (fully extended), 5.3 (intermediately extended)
	Main boom length	m	13.6~64.0
	Boom angle	°	-0.5~82
	Jib length	m	10.4 、 17.5
	Jib + extension length	m	24.5
Offset		°	0 、 15、 30