

# Truck Crane ZTC1500V



**ZOOMLION**

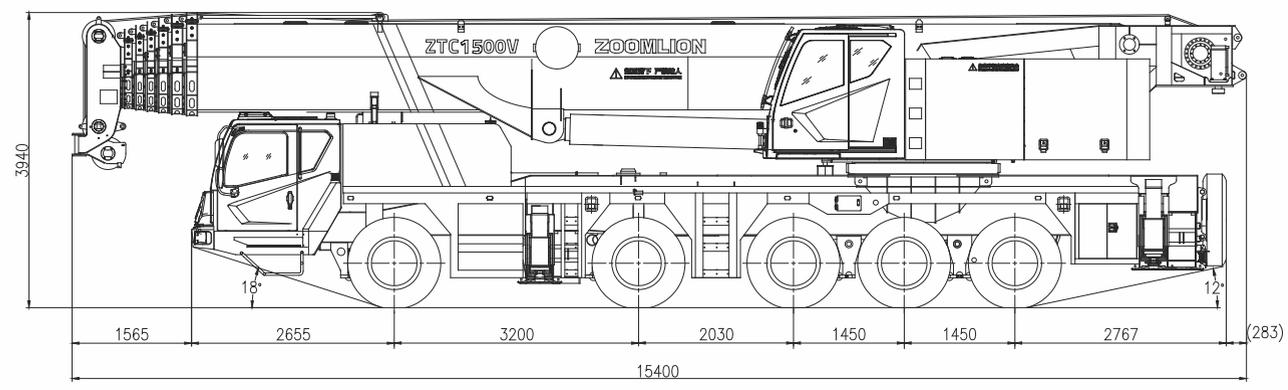


## HIGHLIGHT:

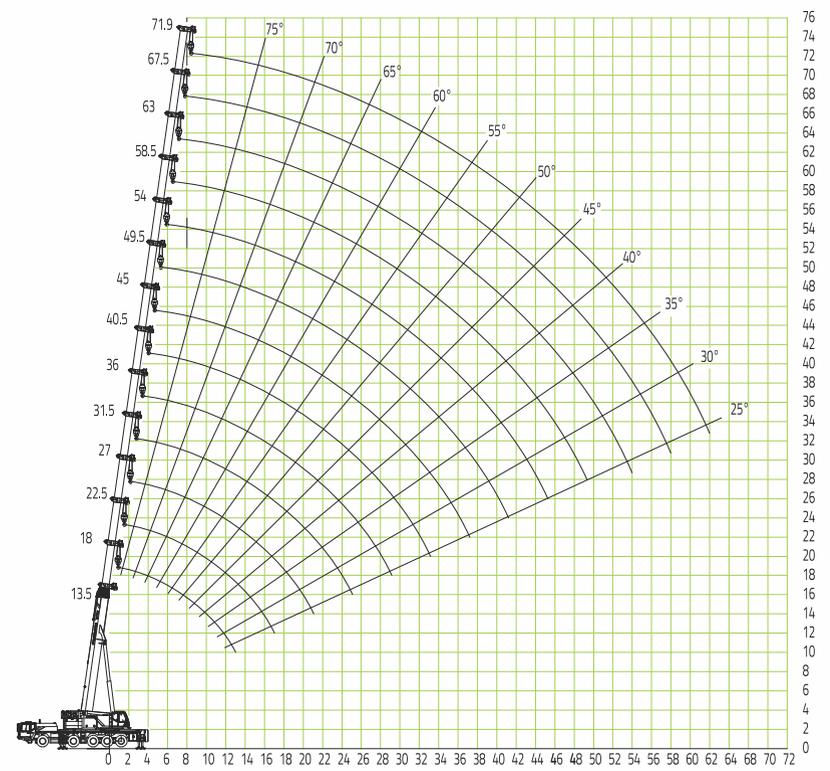
1. This high-tech product, combining mechanical, electrical and hydraulic systems as a whole, has so many advantages, such as good control performance, excellent micro-positioning performance, great lifting capacity and super lifting height.
2. The 5-axle chassis with 7-section main boom 72m , total lifting height with jib reaches 87m, with additional extension jib, lifting height can reach 95m.
3. The latest electro-hydraulic proportional directional control valve with load sensing function ensures that each mechanism makes full use of its movement efficiently.
4. Fully equipped with safety devices, such as relief valve, balance valve and electronically safety devices, enable your staff and machines safety.



# OVERALL VIEW (UNIT: METRIC MM)



# LIFTING HEIGHT CHARTS



# TECHNICAL DATA

	Items		Value	Remarks
Work performance	Max. rated lifting capacity	kg	150000	At 3 m radius
	Max. load moment of basic boom	kN.m	4704	At 6 m radius
	Max. load moment of main boom (fully extended)	kN.m	1505	At 32 m radius
	Max. lifting height of basic boom	m	13.0	The parameters do not include deflection of main boom and jib. The value in the brackets is the value with the extension installed.
	Max. lifting height of main boom	m	72.5	
	Max. lifting height of jib	m	87/ (95)	
Work speeds	Max. hoist rope speed (Main winch)	m/min.	114	
	Max. hoist rope speed (Auxiliary winch)	m/min.	75	At the 4th layer
	Boom derricking up time	s	94	At the 3rd layer
	Boom extending time	s	860	
	Max. slewing speed	r/min.	1.4	
Driving	Max. height above sea level	m	2000	
	Max. driving speed	km/h	78	
	Max. gradeability	%	40	
	Min. turning diameter	m	≈23	
	Min. ground clearance	mm	320	
Mass	Limits for exhaust pollutants and smoke		Conform to related standards	GB3847-2005 GB17691-2005
	Fuel consumption per hundred kilometers	L	70	
	Deadweight in driving condition	kg	54900	
	Complete vehicle kerb mass	kg	54705	
Dimensions	Load on axles 1 and 2	kg	9950+9950	
	Load on axles 4 and 5	kg	12625+12625+9750	
	Overall dimensions (L × W × H)	mm	15400×3000×3940	
	Outrigger spread (L)	m	8.05	
	Outrigger spread (W)	m	7.8 (fully extended), 5.3 (intermediately extended)	
	Main boom length	m	13.5-72.0	
	Boom angle	°	-0.5-82	
	Jib length	m	11 、 18.6	
	Jib + extension length	m	26.6	
	Offset	°	0 、 30	

# LIFTING CAPACITY TABLE

Table 1 Main boom

Unit: Metric tons

Radius (m)	Outriggers fully extended, with 45 tons counterweight, over full range														
	Boom length (m)														
	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	58.5	63	67.5	72	
3	150*	100*	90												
3.5	105*	95*	87	75											
4	100*	90	83	75											
4.5	96*	85	78	75	60										
5	92*	80	73	70	58										
5.5	86	75	68	65	55	45									
6	80	70	63	60	52	45									
7	67	65	58	55	49	45	35								
8	58	58	53	50	46	43	33								
9	50	50	50	47	43	41	30.5	28							
10		44	44	44	40	38	29	28							
11		39	39	39	37.5	35.5	27.5	26	23						
12		35	35	35	35	33	26	24	21.5	19					
14			28	27.5	28.5	29	23.5	21.4	19	17	15				
16			22.5	22	23	23.5	21.5	19.2	17.2	15.4	13.5	12			
18				18	18.8	19.5	19.5	17	15.6	13.9	12.5	11	9		
20				15	15.8	16.5	17	15.2	14	12.6	11.5	10.1	8.2	7	
22					13.3	14	14.5	13.4	12.4	11.3	10.5	9.3	7.6	6.5	
24					11.4	12.1	12.5	11.8	11.1	10.2	9.5	8.5	7.1	6.1	
26						10.4	11	10.4	10	9.2	8.6	7.8	6.6	5.7	
28						9	9.6	9	8.9	8.4	7.9	7.2	6.2	5.4	
30							8.4	7.8	7.8	7.6	7.2	6.7	5.8	5.1	
32							7.4	6.8	6.8	6.8	6.5	6.2	5.4	4.8	
34								6	6	6.1	5.9	5.7	5	4.5	
36								5.2	5.2	5.3	5.3	5.2	4.7	4.2	
38									4.5	4.6	4.7	4.7	4.4	3.9	
40									3.9	4	4.2	4.3	4.1	3.7	
42										3.4	3.7	3.9	3.8	3.5	
44										2.9	3.2	3.5	3.5	3.2	
46											2.7	3.1	3.3	3	
48											2.3	2.7	3	2.8	
50												2.3	2.7	2.5	
52												1.9	2.3	2.3	
54													1.9	2	
56													1.6	1.7	
58														1.4	
60														1.1	
Reeving	14	14	12	10	8	6	5	4	3	3	2	2	2	2	
Hook	90 tons					55 tons					25 tons				
Telescoping mode	I	1	1	1	2	2	2	3	3	3	3	3	3	4	
	II	1	2	2	2	2	2	2	3	3	3	3	3	4	
	III	1	1	2	2	2	2	2	2	3	3	3	3	4	
	IV	1	1	1	1	2	2	2	2	2	3	3	3	4	
	V	1	1	1	1	1	2	2	2	2	2	3	3	4	
	VI	1	1	1	1	1	1	2	2	2	2	2	3	4	

Note: The data indicated with an asterisk (\*) are suitable for 110 tons hook. (The data "150" is the nominal lifting capacity.)

**ZOOMLION**

**Zoomlion Heavy Industry Science & Technology Co.,Ltd.**

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

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Note: No product coating appearance shall be subject to sample.

