

ZOOMLION ROUGH TERRAIN CRANE ZRT1100



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4.0
PRODUCTS

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Highlights

● Stronger lifting capacity:

5 section U-shaped 49m main boom, with strong comprehensive lifting capacity, max. lifting moment reaches 3381kN.m.
2 section foldable lattice jibs, 10.4m and 17.5m can be selected.

● Upgraded operation experience

Brand new and spacious tiltable cab offers favorable operating environmental.
Hydraulic-electrical control system integrated with one big 12 inch color display screen.
Outriggers can be retracted or extended by remote controller.

● High working efficiency

Max. hoisting speed reach up to 130m/min for both winches.
Fast boom telescoping by using wire ropes and sheaves.

● Optimized chassis power chain

Optimized chassis power chain layout with imported Cummins QSB6.7 engine, split-type DANA transmission and KESSLER axles.
Max. travelling speed is 32km/h (forward/reverse), max. gradeability reaches 75%.

● High reliable configuration

High-end configuration with imported Cummins engine, IFM controller, Hirschmann LMI.
Hydraulic tubes are simplified by using integrated hydraulic valves and optimized main valve layout make it less and easy maintenance.
Half decades’ accumulation of crane design experience and mature facilities guarantee its quality.

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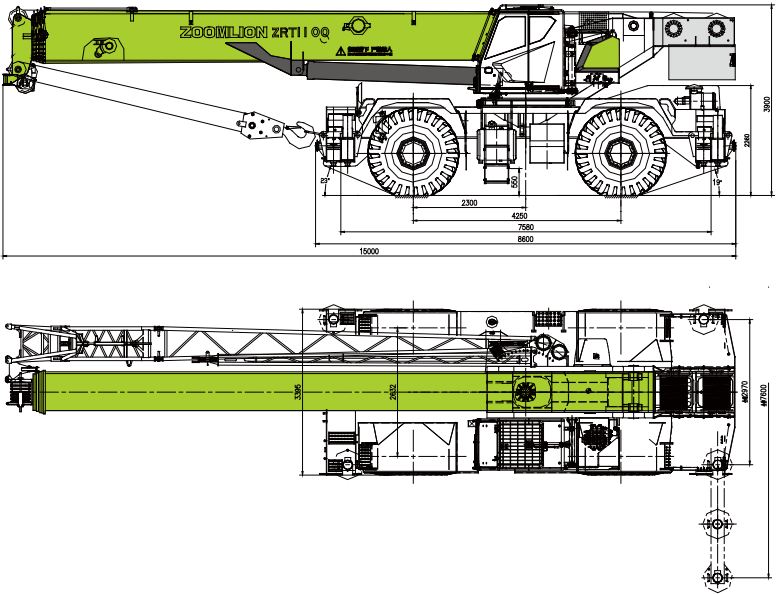
Rated Lifting Capacity

Main boom				360°Slewing (Unit:kg)				Fully extended	
Working radius (m)	Telescoping cylinder I & outrigger fully extended, over rear and sides, 12.5t CWT								
	12.6	17.3	21.9	26.4	30.9	35.4	39.9	44.4	49.0
2.5	110000								
3.0	100000	66000							
3.5	85000	66000	47000						
4.0	78000	66000	47000	38000					
4.5	72000	63000	47000	38000					
5.0	68000	58000	46000	38000	34000				
5.5	62500	53500	43500	38000	34000				
6.0	57500	49500	41000	37000	33000	30000			
7.0	48000	43000	38000	35200	30000	27500	21000		
8.0	38500	36500	34000	32000	27000	25500	21000		
9.0	29000	27000	28500	28500	25000	24000	20000	17500	
10.0		22500	22800	24600	22500	22500	19000	17000	13000
11.0		19500	18800	20200	18800	21200	18800	15000	13000
12.0		16000	15500	17800	16400	19000	16500	14600	12800
14.0		11000	10800	12800	12500	13500	13800	13000	11800
16.0			8500	9800	9800	10000	11000	11000	10500
18.0			6400	7500	7800	8600	9000	9600	9600
20.0				5800	6400	7000	7300	7800	8000
22.0				4500	4800	5800	6200	6200	6700
24.0				3500	4000	4700	4900	5200	5500
26.0					3200	3700	4000	4400	4800
28.0					2300	3000	3300	3700	3800
30.0						2400	2600	3000	3200
32.0						1800	2100	2500	2700
34.0							1700	2100	2300
36.0							1400	1700	1850
38.0								1200	1500
40.0								1000	1200
42.0									950
I	0	4.65	9.3	9.3	9.3	9.3	9.3	9.3	9.3
II	0	0	0	1.5	3	4.5	6	7.5	9
Reeving	14	11	8	7	6	5	4	3	3
Hook	110t								

Note: 85T hook is standard hook, while 110T is optional one.

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Overall Dimensions



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Main Technical Parameters

Item			Value
Working performance	Max. rated lifting capacity × working radius	kg.m	11000×2.5
	Max. load moment of main boom	kN.m	3381
	Max. load moment of main boom (fully extended)	kN.m	1280
	Max. lifting height of main boom (fully extended)	m	49.2
	Max. lifting height of jib	m	66.8
Dimensions	Overall dimensions (L × W × H)	mm	15000x3400x3910
	Outrigger spread(Height × Width)	mm	7580×7600
	Main boom length	mm	12600-49000
	Jib length	mm	10400、 17500
	Boom angle	°	-1 - 80
Working speeds	Swing range		360° unlimited swing (Full range)
	Max. hoist rope speed (Main winch)	m/min	130
	Min. boom telescoping out time	s	130
	Min. boom telescoping in time	s	140
	Min. boom derricking up time	s	60
Gross vehicle mass	Swing speed	r/min	0-1.6
	Gross weight	kg	59500
	Front weight	kg	29200
	Rear weight	kg	30300
Driving	Max. driving speed	km/h	35
	Max. gradeability	%	75