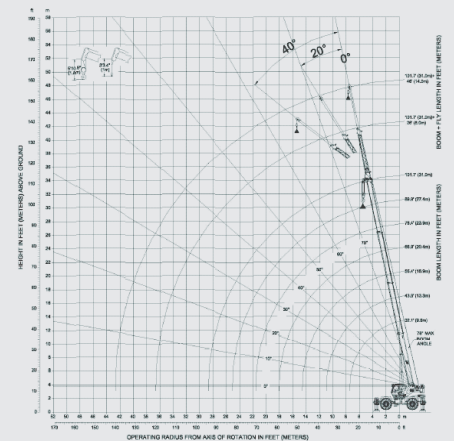
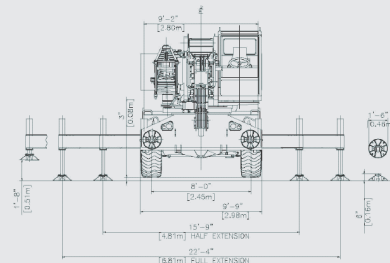
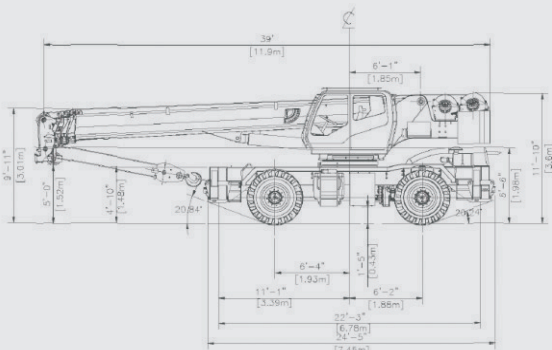


# RT35

## ROUGH TERRAIN CRANE



The Power of China, The legend of world.

**ZOOMLION**

# RT35 ROUGH TERRAIN CRANE

Specification			
Maximum rated lifting capacity	9.8 m boom	35000 kg at 3 m	
	13.3m boom	20270 kg at 3 m	
	16.8 m boom	19650 kg at 4m	
	20.4 m boom	18650 kg at 5 m	
	23.9 m boom	14100 kg at 6 m	
	27.4m boom	11350 kg at 7 m	
	31m boom	9450kg at 8 m	
Operating performance parameters	Maximum rated lifting capacity	kg	35000
	Maximum load moment of basic boom	kN.m	1347
	Maximum load moment of the longest main boom	kN.m	870
	Maximum lifting height of main boom	m	31
	Maximum lifting height of jib	m	46
Working speed	Maximum hoist rope speed	m/min	150
	Boom derricking down time	s	47
	Boom extending time	s	70
	Slewing speed	r/min	2.5
Driving parameters	Maximum traveling speed(forward/backward)	Km/h	38/15
	Minimum turning diameter	m	6.5(Four-wheel)11.25(Two-wheel)
	Minimum ground clearance	mm	400
	Exhaustemission balues and smoke limits		Tier 3
Mass	Total weight	kg	32000
	Front axle load	kg	15030
	Rear axle load	kg	16970
Dimensions	Overall dimensions (LxWxH)	mm	11935x2980x3600
	Distance of outriggers	m	6.81
	Lateral distance of outriggers	m	6.8
	Main boom length	m	9.8~31
	Main boom angle	°	- 3~78
	Jib length	m	9~15
	Slewing range	°	360
	Engine model and power		Cummins QSB6.7/129kw
Specification			
Boom	Formed boom made with high-yield steel which reduces the operation weight of boom and maximize performance		
axles	We choose the Kessler Co.brand axle because AxleTech/Kessler Co. offers the most reliable product on the market and has years of experience in manufacturing mobile crane axles.		
Cab	Full-vision operator's cab is designed for maximum comfort and ease of operation.		
Transmission	The DANA 3016FHR24659 transmission offers the latest technology for the diverse needs of off-road cranes.		
Engine	The Cummins QSB6.7 diesel engine is TIER-III compliant and is proven to have superior performance and durability.		
LMI	HIRSCHMANN LMI delivers most reliable electronic monitoring system available.		
Technical Description			
Engine	Cummins QSB6.7.....inline 6 cylinder intercooled turbo diesel kilowatts kw(Hp).....129(175.5)@2200rpm peak torque Nm(ft.lb).....779(574.5)@1400rpm USA Federal EPA/California ARB/European EU/Tier 3 emission rating		

Transmission	Dana powershift transmission 6 speeds forward and 3speeds reverse. Front axle disconnect offering both 4x4 and 4x2 operation. Max speed .....38km/hr(23.6)mph		
Axles	Kessler front and rear steering axles with planetary reducer. Front-Rigid mount Rear-full-Floating rear axle.Automatic rear axle oscillating lock occurs when superstructure is swung 10°from centerline in either direction.		
Steering	Power steering with four independent modes: Front -Wheel Rear-Wheel All-Wheel Crab		
Brakes	380millimeters (14.9 in) diameter disc brakes on all wheels hydraulically operaed	Tires and Wheels	20.5-25-28PR ply rating,earthmoving-style tiers.Steel disc wheels.
Outriggers	Four independent horizontal beams and vertical jacks with integral holding valves, each independently controlled from operator cab. 100%-Fully extended outriggers footprint.....46.3 sq. m (498.4sq.ft). 50%-Mid position outriggers footprint.....32.9 sq. m (354sq.ft). 0%-Fully retracted outriggers footprint.....19 sq. m (205sq.ft). Total floating ground bearing area.....0.15 sq. m Outrigger span.....Length 6.81 m (22.3 ft). Width 6.8 m (22.3 ft).		
Hydraulic System	Hydraulic pumps: Gear pump for malin and auxiliary winches,boom hoist and telescope cylinders. Gear pump for steering. Gear pump for outriggers and slewing. 600 liter(158.5 gal)hydraulic reservoir with external sight and temperature gauge.  Easily accessible (10 micron)cartidge-style full-flow filters with bypass protection. Max.operating pressure:27MPa(3916 psi,270 bar).		
Counterweight	Single 4,500kg(9,921 lbs.)fixed counterweight. Length.....2.9m(9.7ft). Width.....0.85m(2.78ft). Height.....0.86m(2.82ft).	Swing	Bi-directional hydraulic swing drive with multi-disc wet brake and planet ary reduction gearbox.Spring-applied hydraulically released swing brake and 360° pneumatic positive swing lock. Max.swing speed:.....2.5rpm
LMI	HirschmannLMI control system.Microguard graphic display load moment and anti-two block system with audio-visual warning and function limiter. System displays the following information:crane configuration,boom length,boom angle, load radius,allowed capacity,actual load,and load percentage of allowed capacity. System includes settalbe work parameters :min/max. boom length,min/max.boom angle, defined swing area.		
Main Boom	Four-section,full-power,synchronized boom,Boom is constructed of high-yield steel. Sheave quick reeve boom tip with removable rope guards.Rope termination lugs on both sides of boom head. Auxiliary lifting sheave and manual angle indicator are included. Fully extended boom length:.....31m(101.7 ft.) Fully retracted boom length.....9.8m(32.2 ft). Max.tip height,main boom:.....31m(101.7 ft). Boom angle range (min./max.).....-3°~78°.		
Boom with Jib	9-15 m (29.5-49.2 ft.) jib consisting of 9 m (29.5 ft.) lattice side stow jib and 6 m (19.7 ft.) manual pull out section. Main jib is offsettable at 0° ,20° and 40° . Max. tip height with 9 m (29.5 ft.) jib erected is 41 m (134.5 ft.). Max. tip height with 9 m (29.5 ft.) jib + 6 m (19.7 ft.) fixed pullout extension is 46 m (151 ft.).		
Winches	Standard two speed main and auxiliary hoists,each with planetary reduction and spring applied multi-disc wet brake. Each hoist features: Grooved drum lagging. Hoist drum cable followers. Max.permissible line pull.....7,000 kg (15,432 lbs.). Winch speed:.....0 ~ 150 m/min (0 ~ 492 fpm). Power up/power down. Electronic drum rotation indicators. Rope construction:.....17 mm (0.67 in.) rotation-resistant compacted strand.		
Hooks	35ton 4 sheave (steel), standard reeve hook block with odd part pin-off safety latch -Hook block weight .....330 kg (727.5 lbs.) 5.5-ton (6.7 U.S. ton) top swivel hook ball with safety latch. Hook ball weight ..... 135kg (297.6 lbs.) .		

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