Lifting RT100

- FEATURES
- PARAMETERS



Maneuverable and robust drive

• Four-wheel drive and four-wheel steer chassis;

• Fully hydraulic steering system;

• Variable steering modes, front-wheel steer,four-wheel steer and crab steer;

Short vehicle length and small turning radius provide the crane with maximum maneuverability and flexibility in narrow job sites

Excellent off-road capability

• Big ground clearance and departure / approach angle offer excellent off-road capability.

Strong gradeability

• Cummins electronically-controlled engine, automated transmission and steerable drive axlex provide reliable power output.

• Even in the condition of abrupt road resistance,the engine can also be functional.

• Four-wheel drive, hydraulic suspension and special tires optimize the vehicle’ s drive performance to

its maximum, suitable for any bad roads and job sites.

Pick-and-carry operations

• The rough terrain crane has the ability to pick and carry loads, thus improves the working efficiency greatly.

• The crane can also carry out ”On tires“ Lifts without extending the outrigger beams in narrow job sites.

• Superior pick-and-carry ability during short-distance transit can bring great convenience to the users.

Single cab design

• Single cab design with large skylight provides large field of view;

• Air-cushioned seat suits to all types of figures, which can release the driver’s or operator’s fatigue, thus improves the working efficiency;

• The crane is fitted with air conditioning, suitable for all-weather work;

• Digital display and keyboard units,advanced data bus technology,error check and audible & acoustic alarm ensure the safety and high efficiency of the operation.

Item		Unit	Value
Work performance	Max. rated lift capacity × work radius	kg.m	100000×3.0
	Max. load moment of basic boom	kN.m	3339
	Max. load moment of fully extended main boom	kN.m	1388
	Max. lift height of fully extended main boom	m	45.6
	Max. lift height of jib	m	63
Dimensions	Overall dimensions(L×W×H)	mm	14247×3620×3960
	Outrigger spread (L×W)	mm	8000×7900
	Main boom length (Fully retracted fully extended)	mm	10800-34000
	Jib length (Jib section 1,jib sections 1+2)	mm	10000-17000
	Boom angle	°	-3 - 78
	Swing range	°	360

			360° unlimited swing(Full range)
Work Speeds	Max. hoist rope speed (Main winch)	m/min	126
	Min. boom extend time	s	170
	Min. boom retract time	s	158
	Min. boom derrick up time	s	82
	Min. boom derrick down time	s	69
	Swing speed	r/min	0-1.5
Hydraulic system	Rated work pressure	MPa	30
	Rated work oil flow	L/min	500
	Hydraulic oil tank capacity	L	1200
Mass	Complete vehicle mass	kg	65000
	Front axle load	kg	33200
	Rear axle load	kg	31800
Travel	Max. travel speed (Forwarsd / backwards)	km/h	24/15
	Wheelbase	mm	4600
	Treads (Front / rear)	mm	2860