

Main technical parameters

Main technical parameters in travel status

(Compliance to technical improvements)

Category	Item		Unit	parameter	
Dimensions Parameter	Overall length		mm	15295	
	Overall width		mm	3000	
	Overall height		mm	3820	
	Wheel base		mm	1920+3500+1420+1505	
	Tread		mm	2449/2449/2315/2315/2449	
	Front suspension		mm	2650	
	Rear suspension		mm	2705	
Weight parameter	Total weight in travel status		kg	55000	
	Axle load	1 st	kg	10000	
		2 nd	kg	10000	
		3 rd	kg	13000	
		4 th	kg	13000	
		5 th	kg	9000	
Dynamic parameters	Engine model of chassis			ISME 420 ISM11E4 440	WP12.430 E40 WP12.430N
	Rated power		kw/(r/min)	306/1900 318/1900	316/1900 316/1900
	Rated torque		N.m/(r/min)	2010/1200 2080/1200	2060/1000-1400 2060/1000~1400
	Engine model of superstructure			BF6M1013EC	TAD720VE
	Rated power		kw/(r/min)	174/2300	
	Rated torque		N.m/(r/min)	854/1400	
Driving parameters	Driving speed	Max. speed	km/h	80	
		Min. speed	km/h	3	
	Turning	Min. turning diamete	m	23	

	diameter	Min. turning diameter of boom	m	28
		Min. ground clearance	mm	312
		Approach angle	°	18
		Departure angle	°	13
		Braking distance (at 30 km/h)	m	≤10
		Max. grade ability	%	45
		Oil consumption per 100km	L	65 (Xi'an Cummins)
				72 (Weichai power)
		Exterior noise level	dB(A)	≤88
		Noise level at operator's cab	dB(A)	≤90

Main technical data table for lifting operation

(Compliance to technical improvements)

Category	Item		Unit	Parameter	
Main Lifting Performance	Max. total rated lifting capacity		t	100	
	Min. rated working radius		m	3	
	Turning radius at turntable tail	Counterweight	mm	4500	
		Auxiliary winch	mm	5000	
	Max. load moment	Base boom	kN.m	4380	
		Longest boom	kN.m	1960	
		Longest + jib	kN.m	840	
	Outrigger span (fully extended)	Longitudinal	m	7.7	
		Transverse	m	7.9	
	Lifting height	Base boom	m	13.5	
		Longest boom	m	61.2	
		Longest + jib	m	78	
	Boom length	Base boom	m	13.1	
		Longest boom	m	61	
Longest + jib		m	79.1		
Jib offset angle			°	0、15、30	
Working Speed parameters	Boom elevating raising time	Boom up	s	60	
	Boom extend time	Fully stretch / Fully shrink	s	420	
	Max. swing speed		m/min	2	
	Outrigger extending and retracting time	Outrigger beam	Extending at the same time	s	20
			Retracting at the same time	s	20
		Outrigger jack	Extending at the same time	s	50
			Retracting at the same time	s	40
	Lifting speed(single line, fourth layer)	Main winch system	m/min	130	
Auxiliary winch system		m/min	105		
Work noise	Exterior noise level		dB (A)	≤122	
	Noise level at operator's cab		dB (A)	≤90	