

QY75B

Technology specification

Xuzhou Jiufa Construction Machinery Co., Ltd

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1. Dimension

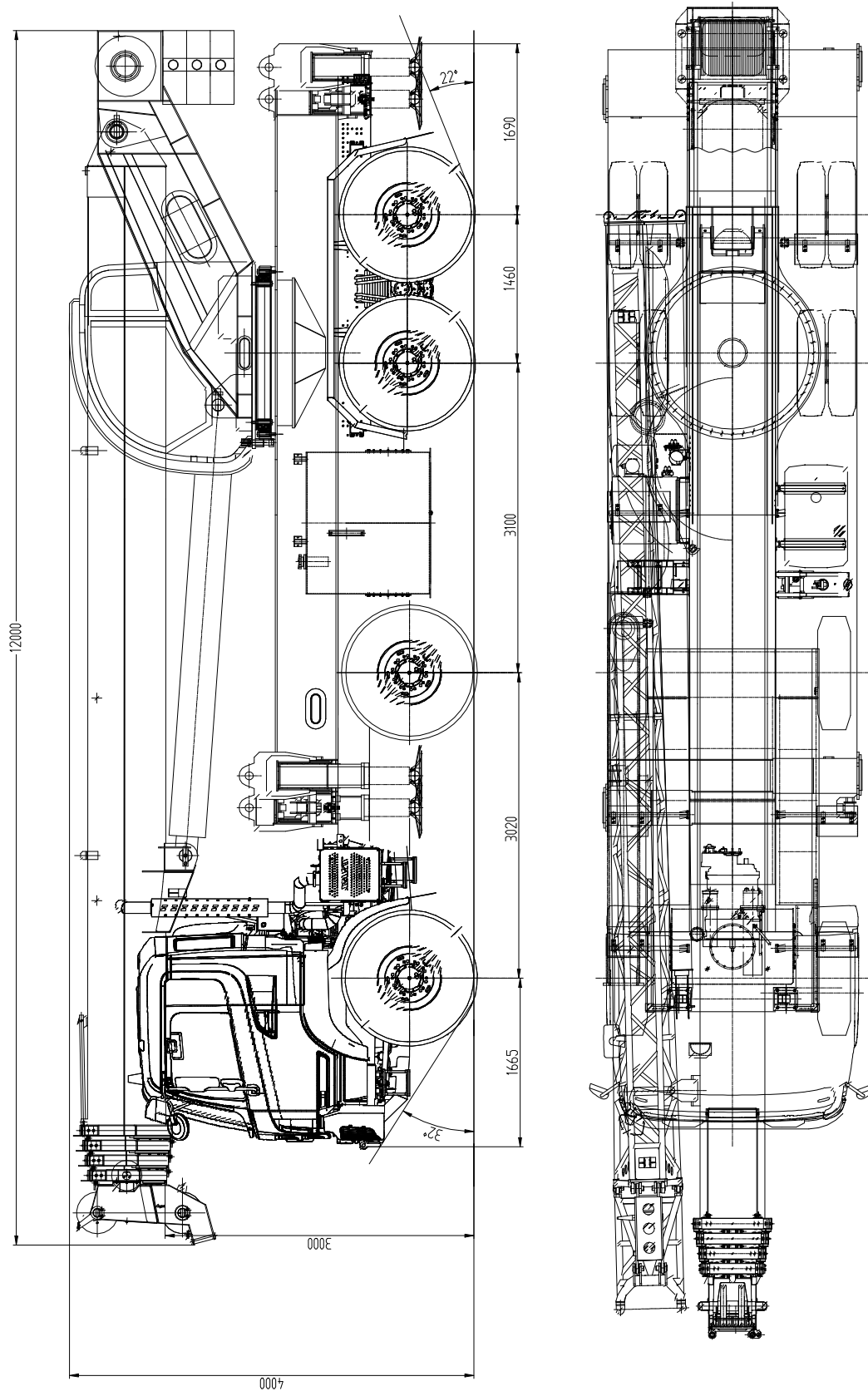


Chart 1 Dimension

2. Main parameters in travel state

Category	Item	Unit	Values
Dimension	Overall length	mm	12000
	Overall width	mm	2640
	Overall height	mm	4000
	Wheelbase	mm	3020+3100+1460
	Track(Front/Rear)	mm	2015/1860

Weight	Curb weight	kg	
	Weight of 1 st & 2 nd axle	kg	
	Weight of 3 rd & 4 th axle	kg	
Power	Max. Rated output	Kw/(r/min)	
	Max. torque	N.m(r/min)	
Travel	Max. Travel speed	Km/h	
	Min. Turning radius	m	10
	Turning radius at the turntable tail	m	3.25
	Min. Ground clearance	mm	230
	Approach angle	°	32
	Departure angle	°	22
	Max. gradeability	%	

3. Main parameters in lifting state

Category	Item			Unit	Values
Main performance parameters	Max. Rated lifting load			t	75
	Min. Rated working radius			m	3
	Max. Load moment	Base boom		KN.m	2400
		Fully-extended boom		KN.m	750
	Outrigger span	Vertical		m	7
		Horizontal		m	7.51
	Lifting height	Base boom		m	11
		Fully-extended boom		m	40.5
		Fully-extended boom + jib		m	58
	Boom length	Base boom		m	10.68
		Fully-extended boom		m	40
		Jib		m	9.6/16.7
Working speed parameters	Boom luffing time	Boom raising time		s	130
		Boom descending time		s	120
	Boom telescoping time	Boom fully-extended time		s	80
		Boom fully-retracted time		s	80
	Max. Rotation speed			r/min	2.0
	Outrigger telescoping time	Horizontal	Extending synchronously	s	32
			Retracting synchronously	s	20
		Vertical	Extending synchronously	s	57
			Retracting synchronously	s	38
	Hoisting speed for single line (4th layer)	Main winch (No load)	Raise	m/min	130
			Down	m/min	130
		Auxiliary winch (No load)	Raise	m/min	120
			Down	m/min	120

4. Load chart

Table 4.1 Load chart for main boom

Radius (m)	Fully-extended outriggers side area, rear area					
	Base boom 10.68(m)	Mid-extended 14.35(m)	Mid-extended 18(m)	Mid-extended 25.34(m)	Mid-extended 32.67(m)	Fully-extended 40(m)
	Load (kg)	Load (kg)	Load (kg)	Load (kg)	Load (kg)	Load (kg)
3	75000					
3.5	60000	44000				
4	55000	40700	31900			
4.5	50600	37950	29700	20680		
5	46200	35200	27500	20680		
5.5	42900	33000	25630	19470	15180	
6	38500	30800	24090	18370	14410	
6.5	31350	29150	22660	17380	13750	
7	28050	26950	21340	16500	12980	
8	21120	20900	19140	14850	11550	
9		16500	15730	13310	10340	8250
10		13530	12870	11880	9240	7700
11		10000	10670	10780	8580	7150
12			9020	9240	7700	6600
14			6600	7480	6380	5610
16				5610	5390	4840
18				4400	4620	4180
20				3410	3850	3630
22					3025	3190
24					2420	2640
26					1870	1980
28						1705
30						1320
32						
Rate	12	10	8	6	4	4
Hook	75t hook					
	708 Kg					

Table 4.2 Load chart for jib

Angle (°)	Fully-extended outriggers side area, rear area			
	Offset angle		Offset angle	
	Jib length 9.6m		Jib length 16.7m	
	0°	30°	0°	30°
	Load (Kg)	Load (Kg)	Load (Kg)	Load (Kg)
78	4950	2750	3080	1452
75	4620	2640	2750	1276
72	3905	2035	2486	1155
70	3245	1936	2310	1089
65	2640	1573	2101	1067
60	1815	1342	1430	1001
55	1155	913	836	528
50	616		418	
Auxiliary hook weight	150Kg			

Notes: Explanations to Lifting Load

- 1) The operation without outriggers is not allowed. The hydraulic outriggers must be stretched and the crane must be in the horizontal state;
- 2) The lifting load value given in the table is the rated lifting capacity when the crane is in the side area and the rear area, and is the maximum lifting capacity set on solid and level ground;
- 3) The total rated lifting load given in the table includes the weight of hook and slings;
- 4) The working radius given in the table is the actual value including the deformation amount of the boom, so lifting operation should be carried out as per working radius.

5. Lifting height curves and working area drawing

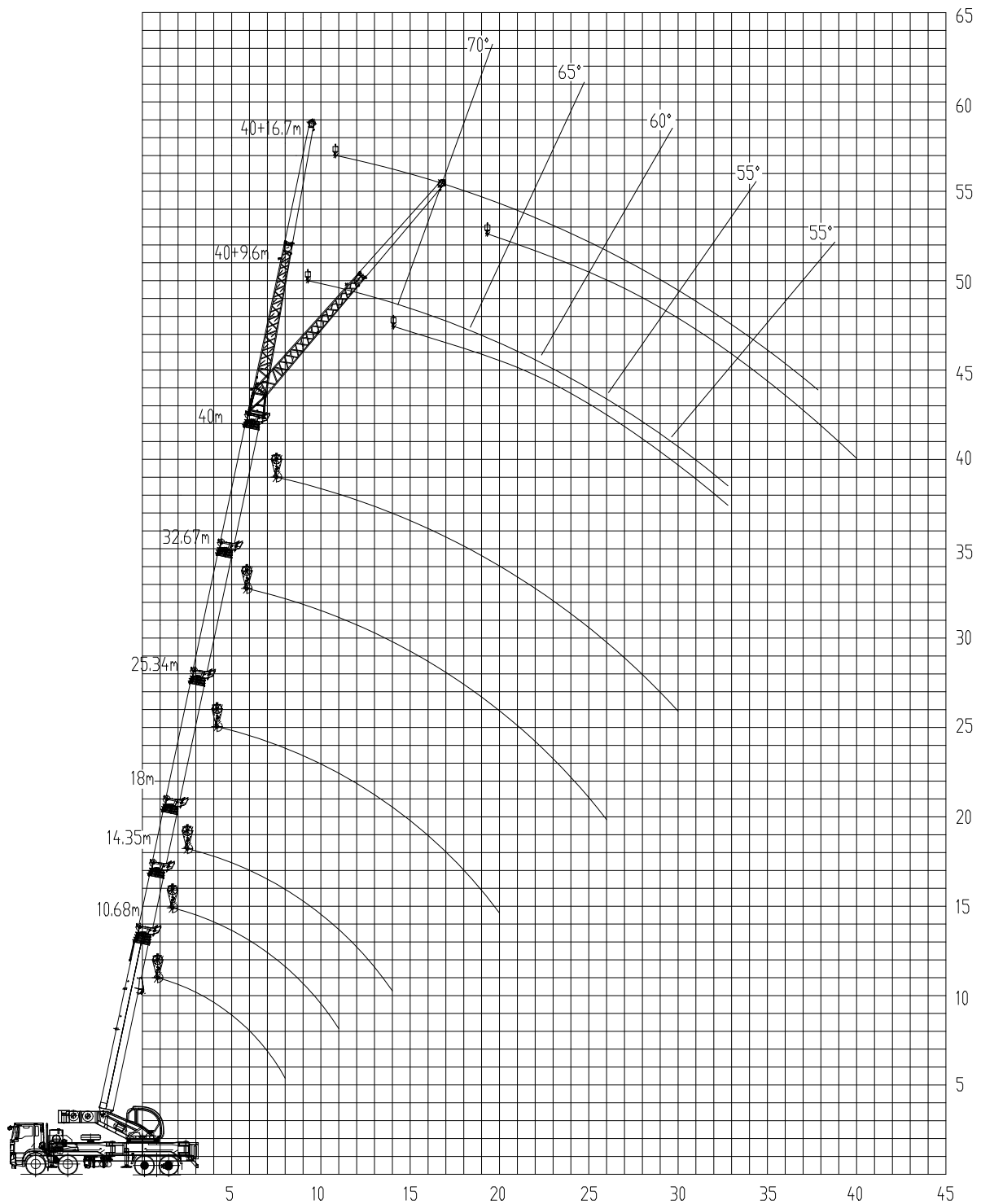


Chart 2 Lifting height curves

Note: The graph of the lifting height and working radius is empty hook of the theoretical value, and the actual value there is deviation. When working in the actual value as please.