



Rated lifting capacity of boom (fully-extended outrigger 6.7m, counterweight 5.5ton) Table 3-3

Radius m	Boom					
	Rear side operation without 5 th jack; 360° operation with 5 th jack					
	11.2m	15.05m	18.9m	26.6m	34.3m	42m
3	60000					
3.5	54000					
4	48000	40000	32000			
4.5	43800	36500	30000			
5	41000	34000	28000	21800		
5.5	38200	31500	26000	20500		
6	35000	30000	24800	20000		
6.5	28500	27500	22500	18800		
7	25500	25200	21000	17800	14000	
8	19200	18800	18500	15800	12500	
9	15500	15100	14500	14300	11500	8500
10		11800	12000	12800	10600	8000
12		7800	8050	9400	9000	6900
14			5500	6900	7500	6000
16			3800	5200	5800	5200
18				3900	4300	4600
20				2800	3400	3600
22				2100	2600	3000
24					2000	2400
26					1500	1800
28					1100	1400
30					800	1100
32						700
34						500
Parts of line	12	8	7	4	3	2
Telescoping ratio of each boom section	2 nd	0	50%	100%	100%	100%
	3 rd	0	0	0	33%	66%
	4 th	0	0	0	33%	66%
	5 th	0	0	0	33%	66%
Boom elevation angle	23° ~69.4°	28.3° ~71°	24° ~75°	29.1° ~77.2°	24.1° ~78.2°	23.2° ~78.5°
Note 1: total rated loads shown in the tables are maximum total lifting load based on condition that the crane is set on firm ground.						
Note 2: numerical values in the lifting performance table are stepped values, so choose the corresponding lifting capacity that most approaching to larger radius value.						
Note 3: boom telescoping type is ordinal and synchronous, that means extend 3 rd , 4 th and 5 th boom sections after the 2 nd section is fully extended, and retract 2 nd section after 3 rd , 4 th and 5 th boom sections are fully retracted during boom retraction.						
Note 4: each total rated load in the table includes weight of the hooks and slings.						
Note 5: working radius in the table is practical value includes boom deformation quantum.						
Note 6: parameters in the table are rated lifting capacity excluding jib, when jib is mounted on boom head, the boom rated lifting capacity should minus 2000kg according to actual situation.						
Note 7: maximum and minimum boom elevation angles are theoretical calculation values only for reference; when the boom elevation angle is 0°, the allowed longest boom length is 34m.						
Note 8: lifting performance of boom single top is the same with that of 0° jib installation angle.						
Note 9: the outriggers should be set up according to requirement.						