

Table3-1.3:Hoisting performance table of crane boom

Operation range (m)	Operation at rear and side area with outrigger fully extended										
	11.5m	15.4m	19.25m		27.0m		34.75m		38.62m		42.5m
3.0	55000	40000	32000	21500							
3.5	50500	40000	32000	21500							
4.0	44600	40000	32000	21500							
4.5	40000	36000	31000	21500	21000	15000					
5.0	36200	33200	29000	20000	21000	15000					
5.5	32000	30000	27500	19000	21000	14500					
6.0	28000	27500	25700	18100	21000	13700	14000	9000			
7.0	23500	23200	21500	17000	18000	12100	14000	9000	11500	9000	
8.0	19500	19300	16800	15600	15800	11000	12700	8500	11000	9000	9000
9.0	15300	15000	13500	13800	14000	10000	11700	7800	10500	8500	8500
10.0		11700	10300	12000	12000	9000	10700	7100	10000	8000	8500
11.0		9500	8700	10600	9900	8200	8900	6400	9000	7500	7800
12.0		7700	7200	8700	8300	7500	8300	5800	8000	7000	7000
14.0			4900	6400	5900	6100	6200	5000	6300	5900	6000
16.0			3400	4600	4300	5000	4700	4400	4900	5000	5200
18.0					3100	4100	3600	3800	3800	4000	4200
20.0					2200	3000	2800	3200	2900	3500	3100
22.0					1600	2300	1900	2700	2200	2800	2500
24.0					1100	1800	1500	2400	1700	2100	1800
26.0							1000	1900	1200	1650	1350
28.0							700	1500	850	1300	950
30.0							400	1000	500	900	700
32.0								800		600	400
34.0										350	
Telescoping conditions (%)											
Telescoping mode	I , II	I	I	II	I	II	I	II	I	II	I , II
2nd boom section	0	50	100	0	100	0	100	0	100	50	100
3rd boom section	0	0	0	33	33	66	66	100	83.3	100	100
4th boom section	0	0	0	33	33	66	66	100	83.3	100	100
5th boom section	0	0	0	33	33	66	66	100	83.3	100	100
Rope magnification	12	10	8		6		4		4		3