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QY150履带起重机
QY150 CRAWLER CRANE



主要零部件
Main Parts

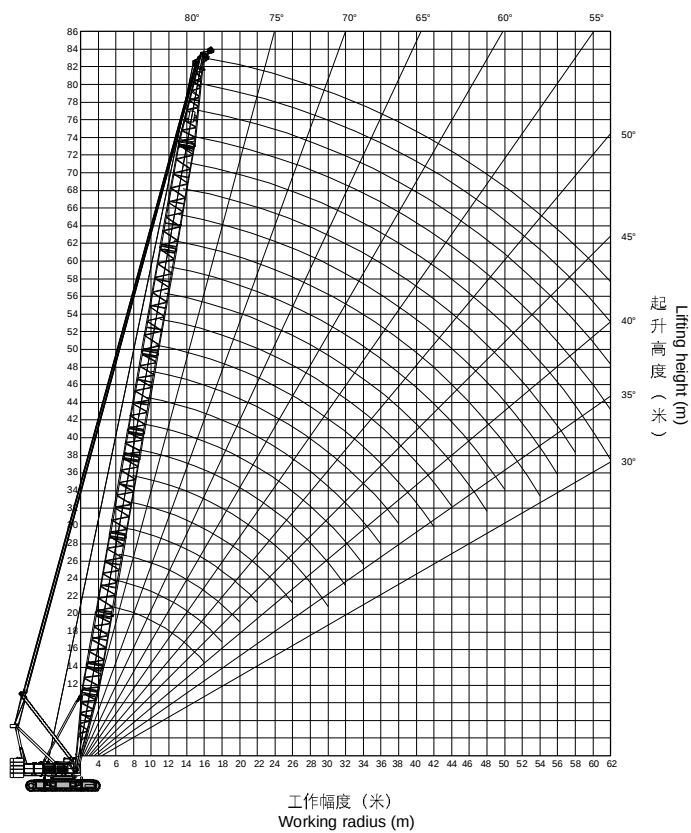
	上车3号配重 Superstructure Weight counterbalance III ×2
	长L 440mm
	宽W 1510mm
	高H 530mm
	重量 Weight 10500kg
	上车4号配重 Superstructure Weight counterbalance IV ×1
	长L 440mm
	宽W 1510mm
	高H 530mm
	重量 Weight 8000kg
	履带架 Track Frame ×2
	长L 8454mm
	宽W 1100mm
	高H 1338mm
	重量 Weight 21500kg
	主臂底节臂 Boom Butt ×1
	长L 9240mm
	宽W 2130mm
	高H 2100mm
	重量 Weight 3290kg
	主臂3米节 Boom Insert ×2
	长L 3130mm
	宽W 2130mm
	高H 1930mm
	重量 Weight 523kg
	主臂6米节 Boom Insert ×1
	长L 6130mm
	宽W 2130mm
	高H 1930mm
	重量 Weight 973kg
	主臂9米节 Boom Insert ×3
	长L 9130mm
	宽W 2130mm
	高H 1930mm
	重量 Weight 1272kg

主要零部件
Main Parts

	主臂12米节 Boom Insert ×2
	长L 12130mm
	宽W 2130mm
	高H 1930mm
	重量 Weight 1594kg
	主臂顶节臂 Boom Top ×1
	长L 10480mm
	宽W 2130mm
	高H 2050mm
	重量 Weight 2470kg
	主臂顶端单滑轮 Boom Single Top ×1
	长L 1033mm
	宽W 1160mm
	高H 970mm
	重量 Weight 183kg
	固定副臂底节臂 Fixed Jib Butt ×1
	长L 6230mm
	宽W 1082mm
	高H 890mm
	重量 Weight 384kg
	固定副臂中间节 Fixed Jib Insert ×3
	长L 6100mm
	宽W 1082mm
	高H 890mm
	重量 Weight 275kg
	固定副臂顶节臂 Fixed Jib Top ×1
	长L 6430mm
	宽W 1082mm
	高H 890mm
	重量 Weight 373kg

- 说 明 Notes
- 以上零件运输形状为示意图，所标尺寸为设计值，不包括包装。
The above parts dimension is only for illustration, the dimension shown is design value, and does not include the package.
 - 重量为设计值，由于制造误差，可能稍有不同。
The weight is design value, may have slight difference due to error in manufacture.

主臂作业范围
Boom Working Area



主臂工况载荷表
Boom Working Condition and Lifting Load Chart

幅度 Radius (m)	臂长 Boom length (m)											
	19	22	25	28	31	34	37	40	43	46	49	52
5	150.0											
6	140.0	130.0	117.0									
7	119.0	118.0	110.0	106.0	96.0							
8	99.0	95.5	94.0	91.0	88.6	86.8	84.0					
9	82.5	80.7	80.5	79.0	77.0	75.8	74.0	72.0	69.4			
10	71.0	69.2	69.1	68.0	66.0	64.6	64.4	64.2	61.0	59.0		
12	55.0	54.3	54.6	54.4	54.2	54.0	53.8	52.0	51.0	49.8	49.0	48.0
14	45.0	44.6	44.4	44.2	44.0	43.8	43.6	43.3	42.9	42.0	41.0	40.0
16	38.0	38.8	37.0	36.8	36.6	36.4	36.2	36.0	35.8	35.6	34.0	33.8
18		32.6	32.0	31.6	31.4	31.2	31.0	30.8	30.6	30.4	30.2	30.0
20			28.0	27.9	27.7	27.5	27.3	27.1	26.9	26.8	26.6	26.0
22				25.4	25.2	25.0	24.8	24.2	24.0	23.8	23.6	23.4
24					22.0	21.8	21.6	21.4	21.2	21.0	20.8	20.6
26						20.0	19.8	19.6	19.4	19.2	19.0	18.2
28							17.9	17.6	17.4	17.2	17.0	16.8
30							17.0	16.0	15.8	15.6	15.4	15.9
32								15.0	14.8	14.6	14.4	14.2
34									13.9	13.8	13.6	13.4
36										12.0	11.8	11.7
38											10.8	10.6
40												10.0
42												9.5
44												8.8

幅度 Radius (m)	臂长 Boom length (m)									
	55	58	61	64	67	70	73	76	79	82
12	47.6	42.2								
14	39.0	38.8	38.6	38.0	35.0	30.0				
16	33.6	33.4	33.2	33.0	30.0	28.0	26.9	25.0	21.5	20.1
18	29.8	29.6	29.2	28.8	28.0	27.2	26.2	24.2	21.4	19.5
20	25.7	25.5	25.3	25.0	24.8	24.3	23.7	23.2	20.6	18.8
22	23.2	23.0	22.0	21.8	21.5	21.3	20.9	20.4	19.9	18.1
24	20.4	20.0	19.5	19.3	19.1	19.0	18.5	18.1	17.6	16.8
26	17.7	17.6	17.4	17.1	16.9	16.8	16.6	16.2	15.7	15.2
28	16.4	16.2	16.0	15.8	15.5	15.0	15.0	14.6	14.1	13.7
30	15.5	15.3	15.0	14.0	13.6	13.4	13.2	13.2	12.8	12.4
32	13.6	13.3	13.0	12.6	12.2	12.0	12.0	12.0	11.7	11.2
34	13.0	12.6	12.0	11.6	11.1	11.0	11.0	11.0	10.7	10.3
36	11.2	11.0	10.8	10.5	10.2	10.0	10.0	10.0	9.8	9.4
38	10.1	9.9	9.6	9.4	9.2	9.1	9.0	9.0	9.0	8.6
40	9.6	9.4	8.9	8.7	8.6	8.5	8.5	8.4	8.3	8.0
42	8.8	8.6	8.2	8.0	7.9	7.7	7.7	7.7	7.6	7.4
44	8.0	7.7	7.4	7.3	7.3	7.1	7.1	7.1	6.9	6.8
46	7.4	7.2	7.0	6.9	6.9	6.7	6.6	6.5	6.2	6.1
48	7.0	6.8	6.6	6.4	6.4	6.4	6.2	6.0	5.8	5.4
50		6.5	6.2	6.0	5.9	5.9	5.6	5.3	5.0	4.9
52			6.0	5.5	5.4	5.3	5.0	4.7	4.5	4.3
54				5.7	5.3	5.0	4.8	4.6	4.3	4.0
56					5.0	4.5	4.4	4.1	3.8	3.5
58						4.1	4.0	3.8	3.4	3.1
60							3.6	3.2	3.0	2.7
62								3.3	3.0	2.6

固定副臂工况载荷表
Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)		主臂46米 Boom length 46m							
副臂长度 Jib length (m)		12		18		24		30	
幅度 Radius (m)	副臂安装角 Jib offset angle [°]								
	10	30	10	30	10	30	10	30	
14	15.0								
16	15.0								
18	15.0	13.0	12.0						
20	15.0	13.0	12.0		8.0				
22	15.0	13.0	12.0	8.0	8.0			4.0	
24	15.0	13.0	12.0	8.0	8.0			4.0	
26	15.0	13.0	12.0	8.0	7.8	6.0		4.0	
28	15.0	12.6	12.0	8.0	7.6	6.0	4.0		
30	15.0	12.2	12.0	8.0	7.4	6.0	4.0		3.0
32	14.8	11.8	11.5	8.0	7.3	6.0	4.0		3.0
34	13.0	11.5	10.9	8.0	7.1	6.0	4.0		3.0
36	12.0	11.2	10.5	7.8	6.9	5.8	3.9		3.0
38	11.0	10.8	10.3	7.6	6.7	5.7	3.8		3.0
40	10.4	10.2	10.0	7.4	6.5	5.5	3.7		3.0

主臂长度 Boom length (m)		主臂49米 Boom length 49m							
副臂长度 Jib length (m)		12		18		24		30	
幅度 Radius (m)	副臂安装角 Jib offset angle [°]								
	10	30	10	30	10	30	10	30	
14	15.0								
16	15.0								
18	15.0	13.0	12.0						
20	15.0	13.0	12.0		8.0				
22	15.0	13.0	12.0		8.0		4.0		
24	15.0	13.0	12.0	8.0	8.0		4.0		
26	15.0	13.0	12.0	8.0	8.0		4.0		
28	15.0	13.0	12.0	8.0	7.8	6.0	4.0		
30	14.9	12.8	12.0	8.0	7.6	6.0	4.0	3.0	
32	13.6	12.6	12.0	8.0	7.4	6.0	4.0	3.0	
34	12.8	12.0	12.0	8.0	7.2	6.0	4.0	3.0	
36	11.8	11.5	11.8	8.0	7.0	5.9	4.0	3.0	
38	10.5	10.6	10.6	7.8	6.8	5.8	3.8	3.0	
40	9.8	9.8	9.8	7.6	6.6	5.6	3.7	3.0	
42	9.0	9.0	9.0	7.4	6.4	5.4	3.5	3.0	

固定副臂工况载荷表
Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)		主臂52米 Boom length 52m							
副臂长度 Jib length (m)		12		18		24		30	
幅度 Radius (m)	副臂安装角 Jib offset angle [°]								
	10	30	10	30	10	30	10	30	
16	15.0								
18	15.0		12.0						
20	15.0	13.0	12.0		8.0				
22	15.0	13.0	12.0		8.0		4.0		
24	15.0	13.0	12.0	8.0	8.0		4.0		
26	15.0	13.0	12.0	8.0	8.0		4.0		
28	15.0	13.0	12.0	8.0	7.8	6.0	4.0		
30	14.7	12.8	12.0	8.0	7.6	6.0	4.0		
32	13.8	12.6	12.0	8.0	7.4	6.0	4.0	3.0	
34	12.3	12.3	12.0	8.0	7.2	6.0	4.0	3.0	
36	11.5	11.5	11.2	8.0	7.0	6.0	4.0	3.0	
38	10.3	10.3	10.3	7.8	6.8	5.8	3.9	3.0	
40	9.6	9.6	9.6	7.6	6.6	5.7	3.8	3.0	
42	8.8	8.8	8.8	7.4	6.4	5.5	3.6	3.0	
44	8.2	8.2	8.2	7.2	6.2	5.4	3.5	3.0	
46	7.8	7.8	7.8	7.0	6.0	5.2	3.4	2.8	

主臂长度 Boom length (m)		主臂55米 Boom length 55m							
副臂长度 Jib length (m)		12		18		24		30	
幅度 Radius (m)	副臂安装角 Jib offset angle [°]								
	10	30	10	30	10	30	10	30	
16	15.0								
18	15.0		12.0						
20	15.0	13.0	12.0						
22	15.0	13.0	12.0		8.0		4.0		
24	15.0	13.0	12.0	8.0	8.0		4.0		
26	15.0	13.0	12.0	8.0	8.0		4.0		
28	15.0	13.0	12.0	8.0	8.0	6.0	4.0		
30	14.4	13.0	12.0	8.0	7.8	6.0	4.0		
32	13.2	12.2	12.0	8.0	7.6	6.0	4.0	3.0	
34	11.8	11.8	11.8	8.0	7.4	6.0	4.0	3.0	
36	11.0	11.0	11.0	7.8	7.2	6.0	4.0	3.0	
38	10.2	10.2	10.2	7.6	7.0	5.9	4.0	3.0	
40	9.3	9.3	9.3	7.4	6.8	5.7	3.9	3.0	
42	8.6	8.6	8.6	7.0	6.6	5.6	3.8	2.9	
44	7.9	7.9	7.9	6.7	6.5	5.5	3.6	2.9	
46	7.4	7.4	7.4	6.4	6.3	5.3	3.5	2.8	
48	6.8	6.8	6.8	6.2	6.1	5.2	3.4	2.8	

固定副臂工况载荷表
Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)			主臂58米 Boom length 58m					
副臂长度 Jib length (m)	12		18		24		30	
	副臂安装角 Jib offset angle (°)							
幅度 Radius (m)	10	30	10	30	10	30	10	30
16	15.0							
18	15.0							
20	15.0	13.0	12.0					
22	15.0	13.0	12.0		8.0			
24	15.0	13.0	12.0	8.0	8.0		4.0	
26	15.0	13.0	12.0	8.0	8.0		4.0	
28	15.0	13.0	12.0	8.0	8.0	6.0	4.0	
30	14.3	13.0	12.0	8.0	8.0	6.0	4.0	
32	12.9	12.8	12.0	8.0	7.8	6.0	4.0	3.0
34	11.8	11.8	11.8	8.0	7.6	6.0	4.0	3.0
36	10.8	10.8	10.8	8.0	7.4	6.0	4.0	3.0
38	9.8	9.8	9.8	8.0	7.2	6.0	4.0	3.0
40	9.0	9.0	9.0	8.0	6.8	5.9	4.0	3.0
42	8.3	8.3	8.3	7.7	6.7	5.7	3.9	3.0
44	7.7	7.7	7.7	7.5	6.6	5.6	3.8	2.9
46	7.2	7.2	7.2	7.2	6.4	5.4	3.6	2.9
48	6.5	6.5	6.5	6.5	6.2	5.2	3.4	2.8
50	6.2	6.2	6.2	6.2	6.0	5.0	3.2	2.8

固定副臂工况载荷表
Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)		主臂61米 Boom length 61m							
副臂长度 Jib length (m)	12			18		24		30	
	副臂安装角 Jib offset angle (°)								
幅度 Radius (m)	10	30	10	30	10	30	10	30	
18	15.0								
20	15.0	13.0	12.0						
22	15.0	13.0	12.0		8.0				
24	15.0	13.0	12.0		8.0		4.0		
26	15.0	13.0	12.0	8.0	8.0		4.0		
28	15.0	13.0	12.0	8.0	8.0		4.0		
30	14.7	13.0	12.0	8.0	8.0	6.0	4.0		
32	13.2	13.0	12.0	8.0	7.8	6.0	4.0	3.0	
34	12.0	12.0	12.0	8.0	7.6	6.0	4.0	3.0	
36	11.0	11.0	11.0	8.0	7.5	6.0	4.0	3.0	
38	10.1	10.1	10.1	8.0	7.3	6.0	4.0	3.0	
40	9.3	9.3	9.3	8.0	7.1	5.9	4.0	3.0	
42	8.5	8.5	8.5	8.0	6.9	5.8	3.9	3.0	
44	7.9	7.9	7.9	7.9	6.7	5.7	3.8	2.9	
46	7.3	7.3	7.3	7.3	6.6	5.6	3.7	2.9	
48	6.7	6.7	6.7	6.7	6.4	5.4	3.5	2.9	
50	6.2	6.2	6.2	6.2	6.2	5.3	3.4	2.8	
52	5.8	5.8	5.8	5.8	5.8	5.2	3.3	2.8	
54	5.4	5.4	5.4	5.4	5.4	5.1	3.2	2.7	

固定副臂工况载荷表
Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)								
主臂64米 Boom length 64m								
副臂长度 Jib length (m)								
12182430								
幅度 Radius (m)	副臂安装角 Jib offset angle (°)							
	10	30	10	30	10	30	10	30
18	15.0							
20	15.0		12.0					
22	15.0	13.0	12.0		8.0			
24	15.0	13.0	12.0		8.0		4.0	
26	15.0	13.0	12.0	8.0	8.0		4.0	
28	15.0	13.0	12.0	8.0	8.0		4.0	
30	14.4	13.0	12.0	8.0	8.0	6.0	4.0	
32	13.1	13.0	12.0	8.0	8.0	6.0	4.0	
34	12.0	12.0	12.0	8.0	7.8	6.0	4.0	3.0
36	10.7	10.7	10.7	8.0	7.6	6.0	4.0	3.0
38	9.8	9.8	9.8	8.0	7.4	6.0	4.0	3.0
40	9.0	9.0	9.0	8.0	7.2	6.0	4.0	3.0
42	8.2	8.2	8.2	8.0	7.0	5.9	4.0	3.0
44	7.6	7.6	7.6	7.6	6.8	5.7	3.9	3.0
46	7.0	7.0	7.0	7.0	6.6	5.6	3.8	3.0
48	6.4	6.4	6.4	6.4	6.4	5.4	3.7	2.9
50	5.9	5.9	5.9	5.9	5.9	5.3	3.6	2.9
52	5.4	5.4	5.4	5.4	5.4	5.1	3.5	2.8
54	5.0	5.0	5.0	5.0	5.0	5.0	3.4	2.8
56	4.5	4.5	4.5	4.5	4.5	4.5	3.2	2.7

主臂长度 Boom length (m)								
主臂67米 Boom length 67m								
副臂长度 Jib length (m)								
12182430								
幅度 Radius (m)	副臂安装角 Jib offset angle (°)							
	10	30	10	30	10	30	10	30
18	15.0							
20	15.0		12.0					
22	15.0	13.0	12.0					
24	15.0	13.0	12.0		8.0		4.0	
26	15.0	13.0	12.0	8.0	8.0		4.0	
28	15.0	13.0	12.0	8.0	8.0		4.0	
30	14.3	13.0	12.0	8.0	8.0	6.0	4.0	
32	13.0	13.0	12.0	8.0	8.0	6.0	4.0	
34	11.8	11.8	11.8	8.0	7.8	6.0	4.0	3.0
36	10.7	10.7	10.7	8.0	7.6	6.0	4.0	3.0
38	9.8	9.8	9.8	8.0	7.4	6.0	4.0	3.0
40	9.0	9.0	9.0	8.0	7.2	6.0	4.0	3.0
42	8.2	8.2	8.2	8.0	7.0	5.9	4.0	3.0
44	7.6	7.6	7.6	7.6	6.8	5.7	3.9	3.0
46	7.0	7.0	7.0	7.0	6.6	5.6	3.8	3.0
48	6.4	6.4	6.4	6.4	6.4	5.4	3.7	3.0
50	5.8	5.8	5.8	5.8	5.8	5.3	3.6	2.9
52	5.3	5.3	5.3	5.3	5.3	5.1	3.5	2.8
54	4.8	4.8	4.8	4.8	4.8	4.8	3.4	2.8
56	4.3	4.3	4.3	4.3	4.3	4.3	3.2	2.7
58	4.0	4.0	4.0	4.0	4.0	4.0	3.0	2.6

固定副臂工况载荷表
Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)								
主臂70米 Boom length 70m								
副臂长度 Jib length (m)								
12182430								
幅度 Radius (m)	副臂安装角 Jib offset angle (°)							
	10	30	10	30	10	30	10	30
18	15.0							
20	15.0		12.0					
22	15.0	13.0	12.0					
24	15.0	13.0	12.0		8.0			
26	15.0	13.0	12.0	8.0	8.0		4.0	
28	15.0	13.0	12.0	8.0	8.0		4.0	
30	14.3	13.0	12.0	8.0	8.0	6.0	4.0	
32	12.9	12.9	12.0	8.0	8.0	6.0	4.0	
34	11.7	11.7	11.7	8.0	7.8	6.0	4.0	3.0
36	10.7	10.7	10.7	8.0	7.6	6.0	4.0	3.0
38	9.8	9.8	9.8	8.0	7.5	6.0	4.0	3.0
40	9.0	9.0	9.0	8.0	7.4	6.0	4.0	3.0
42	8.2	8.2	8.2	8.0	7.2	6.0	4.0	3.0
44	7.5	7.5	7.5	7.5	7.1	5.8	4.0	3.0
46	7.0	7.0	7.0	7.0	7.0	5.6	3.9	3.0
48	6.4	6.4	6.4	6.4	6.4	5.4	3.8	3.0
50	5.9	5.9	5.9	5.9	5.9	5.2	3.7	2.9
52	5.3	5.3	5.3	5.3	5.3	5.0	3.6	2.8
54	4.8	4.8	4.8	4.8	4.8	4.8	3.4	2.8
56	4.3	4.3	4.3	4.3	4.3	4.3	3.3	2.7
58	3.9	3.9	3.9	3.9	3.9	3.9	3.2	2.7
60	3.6	3.6	3.6	3.6	3.6	3.6	3.1	2.6
62	3.2	3.2	3.2	3.2	3.2	3.2	3.0	2.5

固定副臂工况载荷表
Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)		主臂73米 Boom length 73m							
副臂长度 Jib length (m)		12		18		24			
幅度 Radius (m)		副臂安装角 Jib offset angle (°)							
		10		30		10		30	
18	15.0								
20	15.0								
22	15.0	13.0		12.0					
24	15.0	12.7		12.0			8.0		
26	15.0	12.4		12.0			8.0		
28	15.0	12.1		12.0		8.0	8.0		
30	14.0	11.8		12.0		8.0	8.0		
32	12.6	11.6		12.0		8.0	8.0		6.0
34	11.4	11.3		11.4		8.0	8.0		6.0
36	10.4	10.4		10.4		8.0	7.8		6.0
38	9.5	9.5		9.5		8.0	7.7		6.0
40	8.6	8.6		8.6		8.0	7.5		6.0
42	7.9	7.9		7.9		7.9	7.4		6.0
44	7.2	7.2		7.2		7.2	7.2		5.8
46	6.5	6.5		6.5		6.5	6.5		5.6
48	6.0	6.0		6.0		6.0	6.0		5.3
50	5.5	5.5		5.5		5.5	5.5		5.1
52	4.8	4.8		4.8		4.8	4.8		4.8
54	4.3	4.3		4.3		4.3	4.3		4.3
56	4.0	4.0		4.0		4.0	4.0		4.0
58	3.6	3.6		3.6		3.6	3.6		3.6
60	3.2	3.2		3.2		3.2	3.2		3.2
62	2.8	2.8		2.8		2.8	2.8		2.8

载荷表说明：

- 表中额定起重量，指在给定的臂架长度、工作幅度条件下，重物自由悬挂，在坚实、平坦地面作业所能保证的最大起重量。作业者须视各种不良条件（如地面松软或不平、风力、侧面负荷、摆动作用、多台起重机合力起吊）限制或降低起重机的起重量；
- 表中额定起重量包括吊钩、钢丝绳、和其它所有吊具的重量；
- 表中没有列出额定值的空白区，不允许将起重机用于该区所对应的起重作业；
- 表中起重量为带上安全配重的起重量；
- 使用主臂可以配置臂端单滑轮机构，臂端单滑轮机构的起重量为性能表中相应的额定起重量减去臂端单滑轮机构、30t吊钩和吊具的重量；
- 臂端单滑轮机构的最大起重量（包括吊钩、吊具和起升钢丝绳）不准超过10t，性能表中的额定起重量小于10t时按性能表起吊。

Notes on Lifting Load Chart:

- The total rated lifting loads shown in above tables are the max. lifting capacity based on the conditions that crane set up on firm and level ground with given boom length, radius and load, crane operator shall limit or reduce lifting loads according to variable working conditions (soft or uneven ground, wind, side load, slewing action, lifting with one more cranes).
- The total rated lifting loads include the weight of hook block, wire rope and other slings.
- The blank area in above tables means crane operation is not allowed in these areas.
- The total rated lifting loads are the lifting capacity for crane with superstructure counterweight.
- Boom can be equipped with a single top, whose lifting load is the total rated lifting loads in above table decrease the weight of single sheave, 30t capacity hook block and slings.
- The max. rated lifting load for single top can't exceed 10t (include the weight of hook block, slings and hoist wire rope), if rated lifting load in above tables is less than 10t, load lifting should be in accordance with the table.