

QY75履带起重机

QY75
CRAWLER
CRANE

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015620



徐工集团 工程机械股份有限公司建设机械分公司

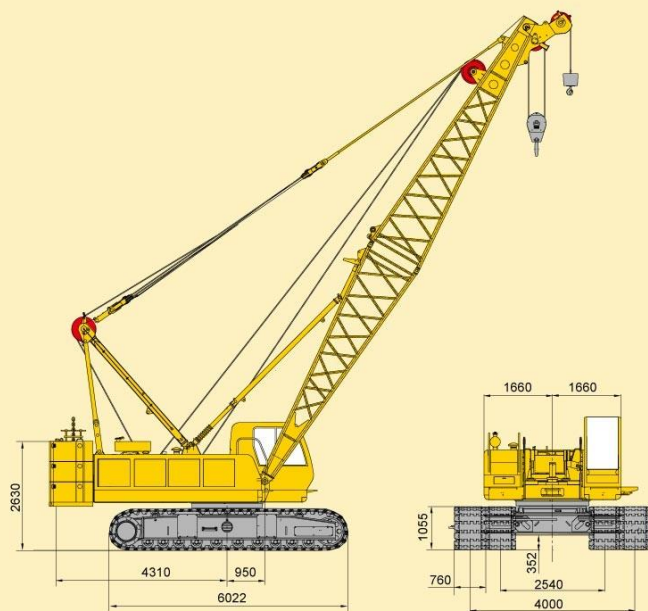
XCMG CONSTRUCTION MACHINERY CO., LTD. BUILDING MACHINERY CO.

Technical Specification/Overall Dimension

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项目 Items	单位 Unit	数值 Data
最大额定起重量 Max. rated lifting capacity	t	75
基本型主臂 Basic boom	t	6.5
固定副臂 Fixed jib	t	280
主臂长度 Main boom length	m	13~58
主臂变幅角度 Main boom luffing angle	°	30~80
固定副臂长度 Fixed jib length	m	9~18
起升机构最大单绳速度 (空载、第五层) Winch max. single line speed (no load, at 5th layer)	m/min	120
主臂变幅机构最大单绳速度 (第一层) Boom luffing gear max. single line speed (at 1st layer)	m/min	57
最大回转速度 Max. slewing speed	r/min	2.4
最高行驶速度 Max. travel speed	km/h	1.2
爬坡度 Grade ability	%	30
平均接地比压 Mean ground pressure	MPa	0.087
发动机功率 Engine output power	kW	200
整机质量 (主吊钩, 13米臂) Gross vehicle mass (including main hook block and 13m boom)	t	61
运输状态单件最大质量 Max. weight of single unit in travel configuration	t	39
运输状态单件 (主机) 最大尺寸 (长×宽×高) Max. dimension of single unit (basic machine) in travel configuration (L×W×H)	m	12.6×3.32×3.23

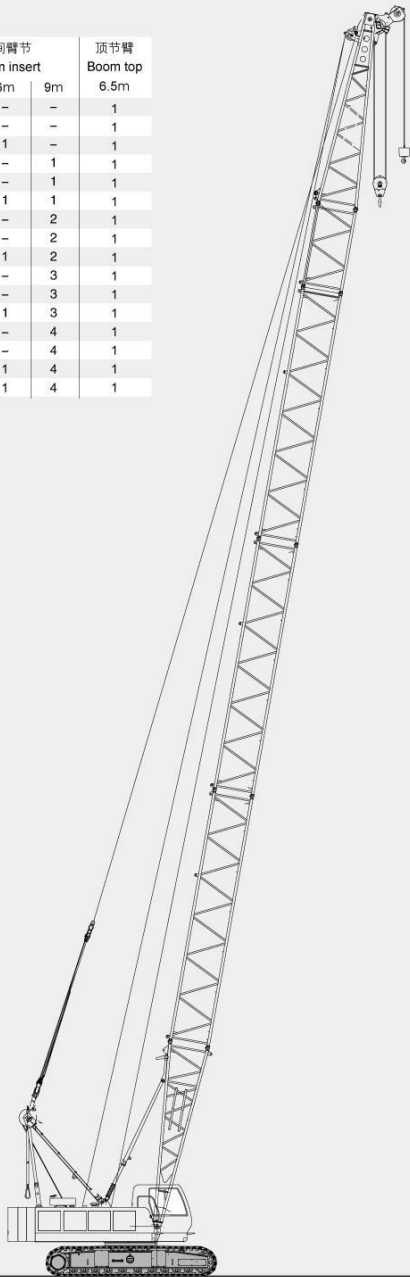


主要零部件 Main Parts

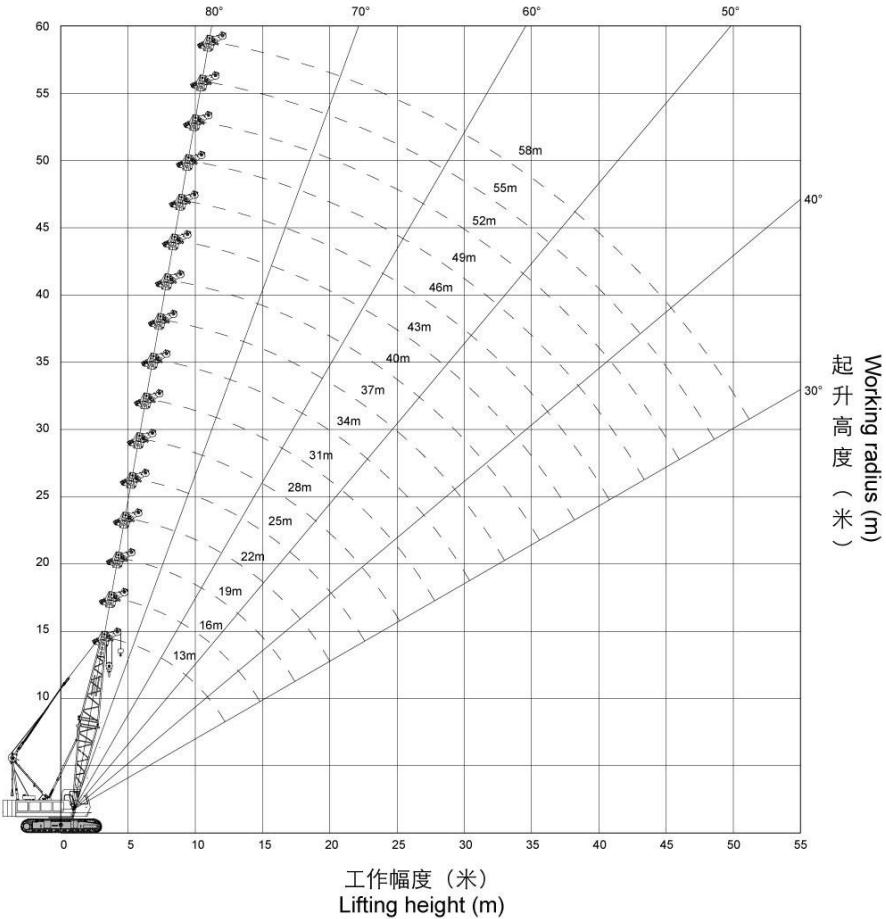
	主机 Basic Machine	× 1
	长L	12600mm
	宽W	3320mm
	高H	3230mm
	重量Weight	39000kg
	75t吊钩 75t Capacity Hook Block	× 1
	长L	1690mm
	宽W	690mm
	高H	770mm
	重量Weight	660kg
	30t吊钩 30t Capacity Hook Block	× 1
	长L	1500mm
	宽W	730mm
	高H	300mm
	重量Weight	300kg
	8t吊钩 8t Capacity Hook Block	× 1
	长L	750mm
	宽W	400mm
	高H	400mm
	重量Weight	235kg
	左平衡配重 Left counterweight	× 3
	长L	1000mm
	宽W	950mm
	高H	520mm
	重量Weight	2100kg
	右平衡配重 Right counterweight	× 3
	长L	1000mm
	宽W	950mm
	高H	520mm
	重量Weight	2100kg
	中间平衡重 Central Counter-weight	× 2
	长L	1580mm
	宽W	560mm
	高H	560mm
	重量Weight	2300kg
	配重托盘 Counterweight tray	× 1
	长L	3500mm
	宽W	1000mm
	高H	650mm
	重量Weight	2800kg

Boom Combinations/Boom Working Condition

臂长 Boom length (m)	底节臂 Boom but 6.5m	中间臂节 Boom insert			顶节臂 Boom top 6.5m
13	1	-	-	-	1
16	1	1	-	-	1
19	1	-	1	-	1
22	1	-	-	1	1
25	1	1	-	1	1
28	1	-	1	1	1
31	1	-	-	2	1
34	1	1	-	2	1
37	1	-	1	2	1
40	1	-	-	3	1
43	1	1	-	3	1
46	1	-	1	3	1
49	1	-	-	4	1
52	1	1	-	4	1
55	1	-	1	4	1
58	1	1	1	4	1



主臂作业范围
Boom Working Area



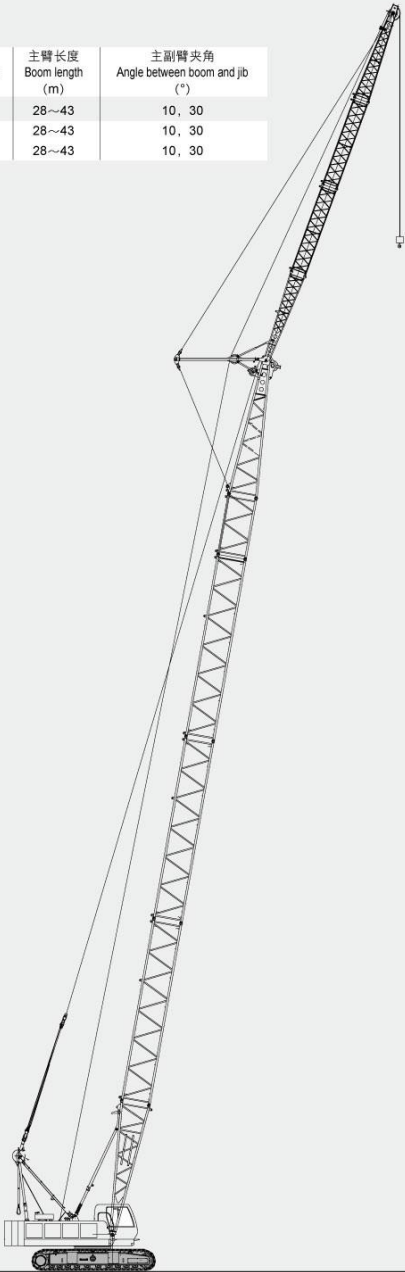
Boom Working Condition and Lifting Load Chart

幅度 Radius (m)	臂长Boom length (m)							
	13	16	19	22	25	28	31	34
3.5	75.00							
4	70.00	70/4.1	58.50					
5	55.50	55.00	54.50	53.50	45.70			
6	41.80	41.50	41.20	40.80	39.80	39.50	39.00	
7	33.50	33.30	32.60	32.60	32.00	32.00	31.50	30.50
8	27.60	27.60	27.00	27.00	26.60	26.60	26.00	26.00
9	23.50	23.40	23.40	23.00	22.80	22.50	22.20	22.00
10	20.40	20.40	20.40	20.20	19.80	19.80	19.50	19.20
12	16.20	16.10	16.00	15.90	15.70	15.60	15.40	15.10
14		13.10	13.10	13.00	12.80	12.70	12.60	12.30
16			11.00	11.00	10.80	10.70	10.60	10.20
18				9.20	9.20	9.20	9.00	8.80
20				8.10	8.00	7.90	7.80	7.60
22					6.80	6.90	6.80	6.60
24						6.10	6.00	5.80
26						5.90	5.30	5.20
28							4.70	4.70
30								4.00

幅度 Radius (m)	臂长Boom length (m)							
	37	40	43	46	49	52	55	58
7	30.50							
8	26.00	25.80	22.70					
9	22.00	22.00	21.60	21.60	19.00			
10	19.20	19.20	18.60	18.60	18.00	15.80	13.50	12.00
12	14.90	14.80	14.50	14.50	14.50	14.20	13.10	11.00
14	12.20	12.00	11.80	11.60	11.50	11.30	11.00	10.50
16	10.20	10.20	9.80	9.80	9.50	9.40	9.30	9.10
18	8.80	8.60	8.40	8.20	8.00	7.90	8.00	7.70
20	7.50	7.50	7.10	7.10	7.10	6.80	6.70	6.50
22	6.60	6.60	6.60	6.60	6.60	5.80	5.80	5.50
24	5.70	5.70	5.70	5.70	5.70	5.40	5.20	4.90
26	5.10	5.00	4.90	4.90	4.90	4.60	4.50	4.30
28	4.50	4.40	4.30	4.30	4.30	4.00	3.90	3.60
30	4.00	4.00	3.80	3.60	3.50	3.30	3.30	3.20
32	3.60	3.50	3.30	3.20	3.30	3.00	2.80	2.80
34		3.10	2.90	2.90	2.90	2.60	2.60	2.30
36			2.70	2.50	2.50	2.30	2.10	2.00
38			2.40	2.30	2.10	2.00	1.80	1.70
40				2.00	1.80	1.70	1.50	1.40
42					1.70	1.50	1.40	1.20
44						1.30	1.30	1.10
46						1.00	1.00	1.00

固定副臂臂节组合/副臂工况
Fixed Jib Combinations/Jib Working Condition

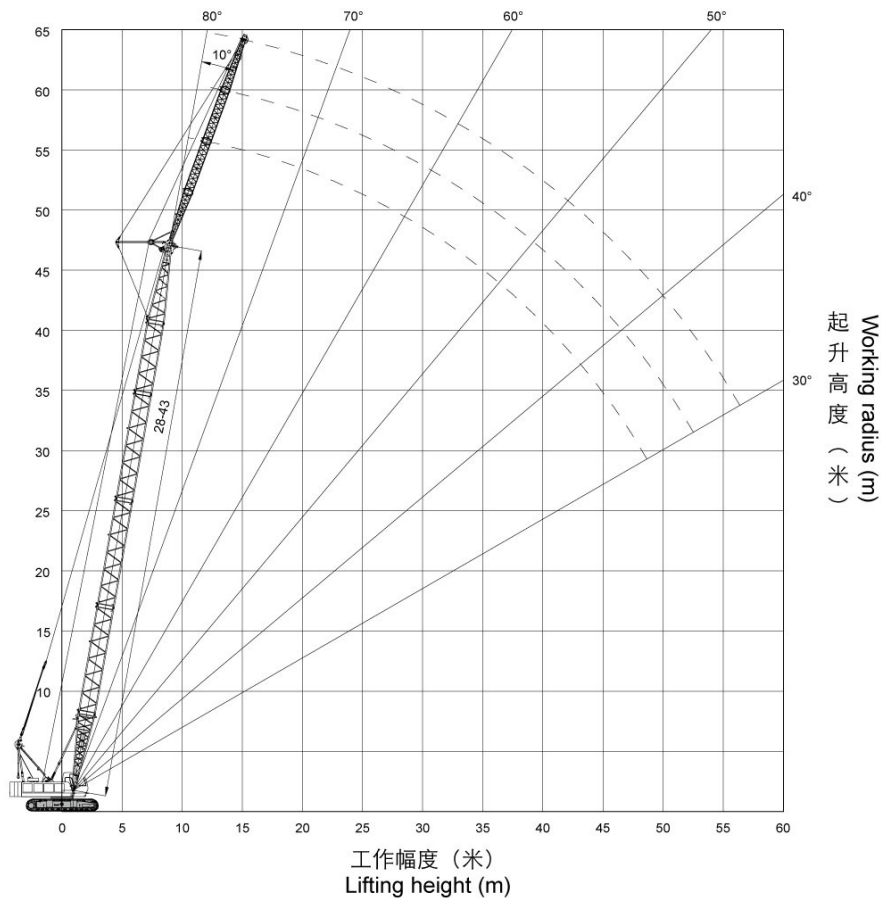
副臂长度 Jib length (m)	中间节 Jib insert	主臂长度 Boom length (m)	主副臂夹角 Angle between boom and jib (°)
9	-	28~43	10, 30
13.5	1	28~43	10, 30
18	2	28~43	10, 30



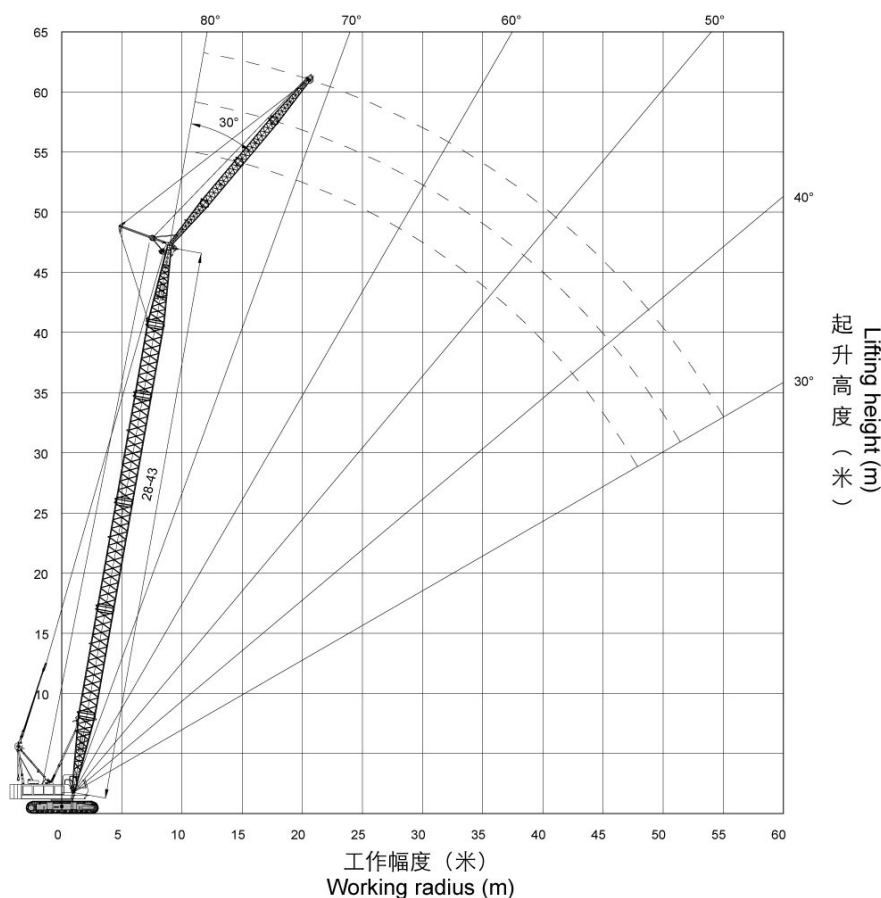
Fixed Jib Working Area

固定副臂作业范围
Fixed Jib Working Area

副臂10°时Jib at 10°



副臂30°时Jib at 30°



Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)		主臂28米 Boom length 28m						主臂31米 Boom length 31m					
副臂长度 Jib length (m)		9		13.5		18		9		13.5		18	
幅度 Radius (m)	副臂安装角Jib angle (°)												
	10	30	10	30	10	30	10	30	10	30	10	30	
9	6.50							6.50					
10	6.50			6.50				6.50		6.50			
12	6.50	6.50	6.50			6.50		6.50	6.50	6.50		6.50	
14	6.50	6.50	6.50	6.50	6.50	6.50		6.50	6.50	6.50	6.50	5.30	
16	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	5.30	
18	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	5.10	5.00
20	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	5.00	4.70
22	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	4.90	4.70
24	5.90	6.00	5.90	6.20	6.00	6.30	5.80	5.90	5.90	6.10	4.90	4.70	
26	5.20	5.30	5.30	5.50	5.30	5.60	5.10	5.20	5.20	5.40	4.80	4.60	
28	4.70	4.70	4.70	4.90	4.80	5.00	4.50	4.60	4.60	4.80	4.60	4.60	
30	4.20	4.20	4.20	4.30	4.30	4.50	4.10	4.10	4.10	4.30	4.20	4.40	
32	3.70	3.70	3.80	3.90	3.80	4.00	3.60	3.60	3.70	3.80	3.70	3.90	
34	3.40/33.00	3.30/33.00	3.40	3.50	3.50	3.60	3.30	3.20	3.30	3.40	3.40	3.50	
36			3.10	3.10	3.10	3.20	2.90	2.90	3.00	3.00	3.10	3.10	
38			2.80/37.00	2.80/37.00	2.80	2.90			2.70	2.70	2.80	2.80	
40					2.60	2.60			2.40	2.40	2.50	2.50	
42					2.3/41.00	2.30					2.30	2.30	
44											2.00/43.00	2.00	

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34米 Boom length34m						主臂37米 Boom length37m					
副臂长度 Jib length (m)		9		13.5		18		9		13.5		18	
幅度 Radius (m)		副臂安装角Jib angle (°)											
		10	30	10	30	10	30	10	30	10	30	10	30
12	6.50							6.50/10.50					
14	6.50	6.50/13.00	6.50		6.50			6.50	6.50/13.00	6.50			
16	6.50	6.50	6.50	6.50/15.00	5.40			6.50	6.50	6.50		6.50	
18	6.50	6.50	6.50	6.50	5.30			6.50	6.50	6.50	6.50	6.50	
20	6.50	6.50	6.50	6.50	5.30	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
22	6.50	6.50	6.50	6.50	5.00	4.70	6.50	6.50	6.50	6.50	6.50	6.50	4.80
24	6.40	6.50	6.40	6.50	4.90	4.70	6.20	6.40	6.30	6.50	6.10	4.70	
26	5.70	5.80	5.60	5.90	4.90	4.70	5.50	5.60	5.50	5.70	5.40	4.70	
28	5.00	5.10	5.00	5.20	4.90	4.60	4.90	5.00	4.90	5.10	4.80	4.70	
30	4.40	4.50	4.50	4.70	4.50	4.60	4.30	4.40	4.30	4.50	4.30	4.60	
32	3.90	4.00	4.00	4.10	4.00	4.30	3.80	3.90	3.90	4.10	3.90	4.10	
34	3.50	3.50	3.50	3.70	3.60	3.80	3.40	3.40	3.40	3.60	3.50	3.70	
36	3.10	3.10	3.20	3.30	3.30	3.40	3.00	3.00	3.10	3.20	3.10	3.30	
38	2.80	2.80	2.90	2.90	2.90	3.00	2.70	2.70	2.70	2.80	2.80	3.00	
40	2.50	2.40	2.50	2.60	2.60	2.70	2.40	2.40	2.40	2.50	2.50	2.60	
42			2.30	2.30	2.40	2.40	2.10	2.10	2.20	2.20	2.30	2.30	
44			2.00	2.00	2.20	2.20		1.80/41.00	2.00	2.00	2.00	2.10	
46					1.90	1.90			1.70	1.70	1.80	1.80	
48					1.70	1.70			1.50/45.50	1.50	1.60	1.60	
50						1.40					1.40	1.40	
52											1.20	1.20	
54												1.00	

Fixed Jib Working Condition and Lifting Load Chart

主臂长度 Boom length (m)		主臂40米 Boom length40m						主臂43米 Boom length43m					
副臂长度 Jib length (m)		9		13.5		18		9		13.5		18	
幅度 Radius (m)	副臂安装角Jib angle (°)												
	10	30	10	30	10	30	10	30	10	30	10	30	
12	6.50		6.50				6.50		6.50				
14	6.50	6.50	6.50		6.50		6.50	6.50	6.50		6.50		
16	6.50	6.50	6.50	6.50	6.50		6.50	6.50	6.50	6.50	5.40		
18	6.50	6.50	6.50	6.50	6.50	5.20/18.50	6.50	6.50	6.50	6.50	5.20		
20	6.50	6.50	6.50	6.50	6.50	5.00	6.50	6.50	6.50	6.50	5.10	4.90	
22	6.00	6.20	6.20	6.40	5.90	5.00	5.90	6.10	6.10	6.30	5.10	4.70	
24	5.30	5.50	5.40	5.60	5.20	5.00	5.10	5.30	5.30	5.50	5.00	4.70	
26	4.70	4.80	4.70	4.90	4.60	5.00	4.50	4.60	4.60	4.80	4.60	4.60	
28	4.20	4.30	4.20	4.40	4.20	4.50	4.00	4.10	4.10	4.20	4.20	4.30	
30	3.70	3.80	3.70	3.90	3.80	4.00	3.50	3.60	3.60	3.70	3.70	3.90	
32	3.30	3.40	3.30	3.50	3.40	3.60	3.10	3.20	3.20	3.30	3.30	3.40	
34	2.90	3.00	2.90	3.10	3.00	3.20	2.80	2.80	2.80	2.90	2.90	3.10	
36	2.60	2.60	2.60	2.80	2.70	2.90	2.40	2.50	2.50	2.60	2.60	2.70	
38	2.30	2.30	2.30	2.40	2.40	2.60	2.20	2.20	2.20	2.30	2.30	2.40	
40	2.00	2.00	2.10	2.10	2.10	2.30	1.90	1.90	1.90	2.00	2.00	2.10	
42	1.80	1.70	1.80	1.90	1.90	2.00	1.60	1.60	1.70	1.80	1.80	1.90	
44			1.60	1.60	1.70	1.80	1.40	1.40	1.50	1.50	1.60	1.70	
46			1.40	1.40	1.50	1.50	1.20	1.20	1.30	1.30	1.40	1.40	
48				1.20	1.30	1.30			1.10	1.10	1.20	1.20	
50					1.20	1.20			0.90	0.90	1.10	1.10	
52						1.00					1.90	0.90	
54											1.80	0.80	

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；
- 表中起重量为带上车全配重和下车全配重的起重量；
- 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、8t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6.5t，性能表中的额定起重量小于6.5t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 condition 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 loading, 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 corresponding to these areas.
- The total rated lifting loads are the lifting capacity for the crane with superstructure counterweight and carrier counterweight.
- Boom can be equipped with a boom tip single sheave, which lifting load is the total rated lifting loads in above table decrease the weight of single sheave, 12t capacity hook block and slings.
- The max. rated lifting load for single top is 12t (include the weight of hook block, slings and hoist wire rope), if rated lifting load in above tables is less than 12t, load lifting is according to the table.