

LT1070汽车起重机主要特点

LT1070 Main Performance Advantages

一、上、下车发动机配置带来的卓越经济性能，极大降低使用成本。

二、优越的起重作业参数：

- 1、五节椭圆型吊臂，全伸臂长达43米。
- 2、主臂最大起升高度（以高度限位器绳长0.5m计），可达42.67m。
- 3、臂段划分更加合理，中长臂同幅度、同起重量下作业臂长全面超过其它同类产品。基本臂起重作业参数全面优于其它类产品。
- 4、支腿跨距大、作业稳定性好。

三、整机技术配置具有明显优势。

- 1、上、下车发动机均为世界顶级品牌康明斯，下车型号为NTC-350，具有强劲的动力储备，优于其它同类产品。
- 2、离合器为原装进口英国LIPE产品，方向机、转向油泵为原装进口德国ZF产品。变速器为引进德国ZF技术生产的9档变速器。
- 3、可供用户选择的斯太尔驱动桥和引进开斯兰技术自制桥，不但具有承载能力强，刚性大等优势，且具有制动间隙的自动补偿功能。
- 4、进口先导比例控制阀，控制电磁阀和平衡阀。
- 5、标准配置上、下车冷暖空调。液压系统采用新型防漏接头和管路。

1. Equipped with both superstructure and chassis engines with great economy and low cost.

2. Excellent lifting performance:

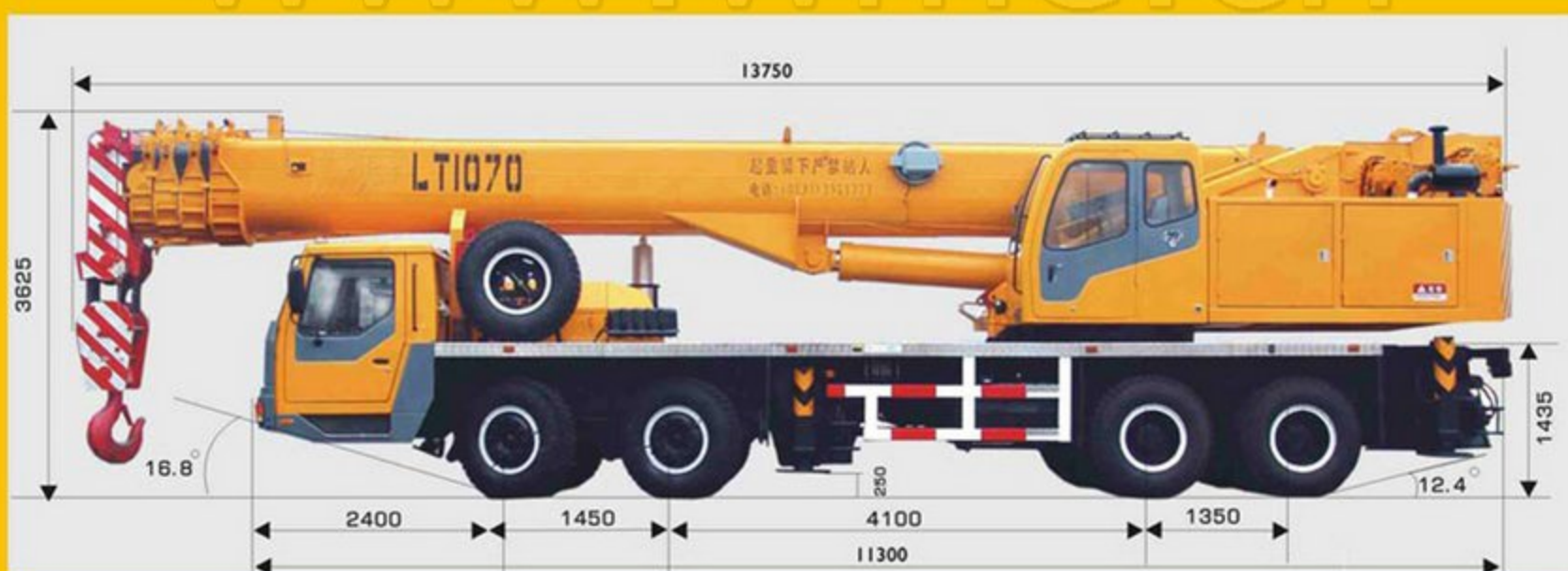
- 1) 5-section elliptic boom with fully extended length of 43m
- 2) Adding 0.5m wire rope of height limiter, Max. lifting height for main boom is up to 42.67m.
- 3) Dividing of boom section is more reasonable. The medium-long booms at the same radius and lifting capacities are longer than those of other similar products. The boom base section has surpassed other similar products in lifting performance.

4) Equipped with big span outriggers, being of good stability in crane operating.

3. Outstanding advantages:

- 1) Both superstructure and chassis are provided with world top grade Cummins engines. The engine type of chassis is NTC-350, which has strong power reserve, and is better than other similar products.
- 2) Equipped with British LIPE clutch, imported German ZF steering gear and pump, 9-step gear transmission with German ZF technology.
- 3) Optional Steyr driving axles or self-made driving axles by using German Kessler technologies are of good bearing-capacity, big rigidity and automatic compensation for braking clearance.
- 4) Imported hydraulic piloted proportional control valve, solenoid control valve and balance valve.
- 5) Equipped with standard cool & hot air conditioners for superstructure and chassis. Hydraulic system adopts new leak-proof joints and pipe lines.

外型尺寸 Contour Dimension Figure



说明 Note:

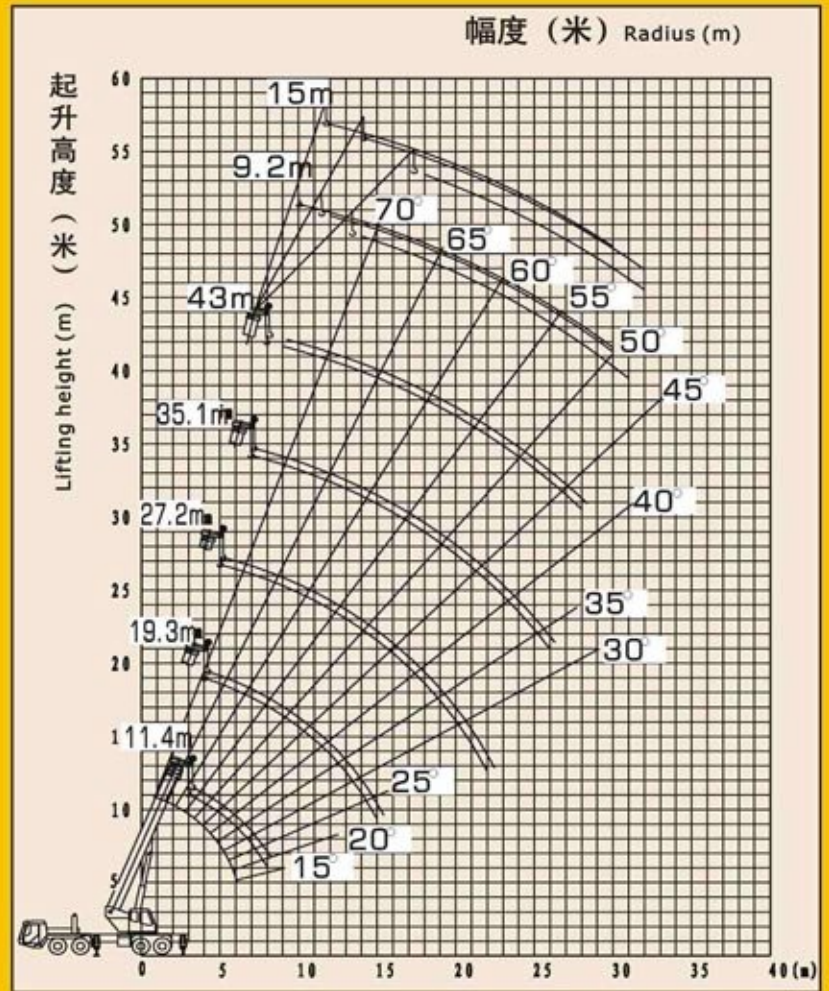
- 1、表中给定数值是在地面坚实，整机调平状态下起重机的额定起重量。表中工作幅度是指吊载后的实际幅度。注意副臂的工作幅度是完全伸出主臂(43m)，并展开副臂进行作业的数据。
- 2、打好第五支腿时，表中数值适用于沿圆周360°作业。
- 3、表中粗线以上数值为起重臂强度决定，粗线以下数值为整机稳定性决定，臂长11.4m吊载时，各节臂应处于完全缩回状态。
- 4、表中额定起重量包括吊钩重量及吊具重量：主钩重800kg，副钩重120kg。若副臂处于展开状态，主臂起吊的额定起重量应减少2300kg。
- 5、如果臂长超过表中某一栏规定的数值时，应将该栏数值与比更长一级的数值相比较，按照其中较小的额定起重量进行作业。
- 6、表中最低栏列出各种臂长度时的主臂最小仰角，严禁将起重臂变幅到所对应的最小仰角以下。

1. The tabulated values are rated lifting capacities of the crane leveled and standing on firm supporting surface. The tabulated working radii are actual radii with load lifted. The working radii of jib is the value of the fully extended boom (43m) + jib.
2. When the fifth outrigger is in use, the tabulated value is suitable for 360° working range.
3. The values above the bold line are based on boom strength, those below are based on the crane stability. Load for 11.4m boom length shall be lifted with boom fully retracted.
4. The weights of main hook 800kg and aux. hook 120kg are included in the tabulated values. If the jib is fixed in working position, the rated lifting capacities at the boom must be reduced by 2300kg.
5. If the actual boom length exceeds the value rated in a certain column, the value in this column may be compared with the next longer one, then actual lifting capacity must be according to the smaller one.
6. The bottom column in the table lists all min. boom angle of elevation in various boom length. Elevating the boom to an angle under the corresponding min. angle of elevation is strictly forbidden.

主要技术参数 Main Specifications

基本臂臂长	Boom base length	11.4 (m)
最大起重量	Max. lifting capacity	80 (t)
幅度范围	Working radius	3-8 (m)
最大起升高度	Max. lifting height	11.3 (m)
全臂臂长	Fully extended boom	43 (m)
最大起重量	Max. lifting capacity	10 (t)
幅度范围	Working radius	9-28 (m)
最大起升高度	Max. lifting height	42.67 (m)
副臂臂长	Jib length	9.2-15 (m)
最大起重量	Max. lifting capacity	4 (t)
幅度范围	Working radius	10-32 (m)
最大起升高度	Max. lifting height	57.2 (m)
起升单绳速度	Single line speed of main hook	0-110 (m/min)
副钩单绳速度	Single line speed of aux. hook	0-80 (m/min)
回转速度	Slewing speed	0-1.6 (r/min)
变幅起落	Elevating up / down	起≤101(s) 落≤110(s)
支腿收放	Outrigger telescoping: retracting / extending	收≤75(s) 放≤80(s)
伸臂缩臂	Boom telescoping: extending / retracting	伸≤210(s) 缩≤130(s)
最高行驶速度	Max. traveling speed	72 (km/h)
最大爬坡度	Gradeability	35 (%)
最小转弯半径	Min. turning radius	12 (m)
底盘型号	Chassis type	QZC5460J
驱动形式	Drive	8X4
轴数	Number of axles	4
轴距(前、中、后)	Axle base (front, middle, rear)	1.450X4.100X1.350(m)
轮距	Wheel span	前2.300后2.055 (m)
支腿型式	Outrigger type	H
纵×横	Longitudinal transverse	5.8X7.2 (m)
轮胎规格	Tyre size	12.00-20
上车:	Superstructure:	
发动机型号	Engine type	康明斯6BTA5.9-C150
发动机功率	Power of engine	112Kw/1800r/min
发动机最大扭矩	Max. torque of engine	630Nm/1500r/min
下车:	Chassis:	
发动机型号	Engine type	康明斯NTC-350
发动机功率	Power of engine	261Kw/2100r/min
发动机最大扭矩	Max. torque of engine	1400Nm/1300r/min
整机总质量	Self-weight	46000 (Kg)
整机外形尺寸(长×宽×高)	Overall dimensions (L×W×H)	13.75. × 2.75 × 3.625 (m)

起升高度曲线 Curve of Lifting Height

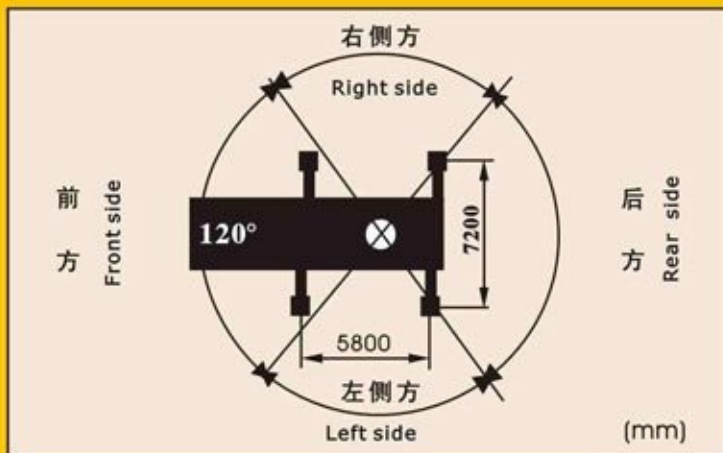


起重量表 Lifting Capacities

工作幅度 (m) Working radius	支腿全伸, 后方侧方作业 支腿全伸, +第五支腿360°作业 Working on right, left and rear with outriggers fully extended 360° working range with outriggers + the fifth outrigger fully extended				
	主臂 Main boom				
	支腿全伸, 后方侧方作业 Working on right, left and rear with outriggers fully extended				
	11.4m	19.3m	27.2m	35.1m	43m
3.0	80000				
3.5	65000				
4.0	56000	39000			
5.0	46800	37000	24000		
6.0	38600	34000	24000		
7.0	28500	27000	23000	18000	
8.0	20500	21000	21000	17000	
9.0		16500	17500	15600	10000
10.0		13600	14800	14200	9800
12.0		9200	11000	11000	8800
14.0		6500	8200	8800	8000
15.0		5500	7100	7700	7700
16.0			6000	6800	7000
18.0			4900	5200	5500
20.0			3500	4100	4400
22.0			2700	3200	3400
24.0				2400	2700
26.0				1850	2200
28.0					1750
倍率 Line numbers	12	7	5	4	3
主臂最小倾角 Min. angle of elevation of main boom			28°	30°	45°

工作幅度 (m) Working radius	支腿全伸, 后方侧方作业 支腿全伸, +第五支腿360°作业 Working on right, left and rear with outriggers fully extended 360° working range with outriggers + the fifth outrigger fully extended					
	副臂 Jib					
	支腿全伸, 后方侧方作业 Working on right, left and rear with outriggers fully extended					
	43+9.2m			43+15m		
	5°	15°	30°	5°	15°	30°
10.0	4000					
11.0	3600					
12.0	3200	2400		2400		
14.0	2900	2200	2000	2300	1500	
16.0	2500	2000	1800	2000	1400	
18.0	2200	1800	1700	1800	1300	1000
20.0	2000	1700	1600	1600	1200	1000
22.0	1800	1500	1400	1400	1100	900
24.0	1450	1400	1250	1200	1000	850
26.0	1200	1200	1100	1100	950	820
28.0	850	1000	900	800	880	780
30.0	550	650	700	600	800	740
32.0			450		700	700
主臂最小倾角 Min. angle of elevation of main boom	52°	54°	53°	55°	55°	58°

工作范围 Working Range



产品不断改进和提高, 技术参数和部件配置若有变化和调整, 恕不另行通知, 以订货物时为准。
For further improvement, we reserve the right to amend this specification at any time without notice.

注:表中基本臂11.4米臂长, 黑体字所示为最大起重量, 其余为额定起重量。
Note: The length of boom base in the table is 11.4m. The values above the bold line are the max. lifting capacities, others are rated lifting capacities.