

伸缩臂式履带起重机功能简介

伸缩臂式履带起重机是我公司与大连理工大学合作开发的新一代系列产品,分别为25吨、32吨、40吨、50吨、65吨、80吨和100吨,共七个级别。该机为国内填补空白产品,技术先进,性能卓越,是现代吊装工程理想的作业施工设备。

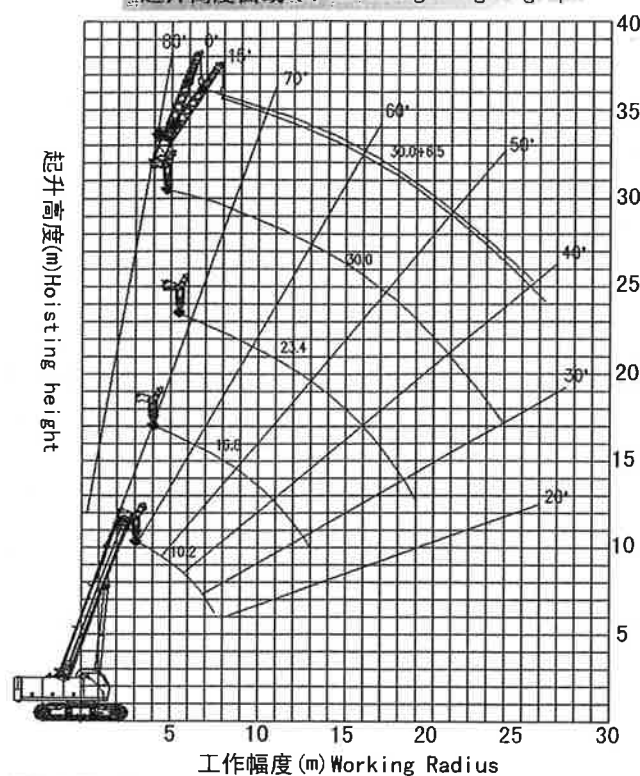
本机同时兼备汽车吊无需拆卸臂架及履带吊可带载行走的优点,又具有适应各种工作场地的履带底盘,其履带可以降低对地面的压强,可以更接近吊装载荷,其伸缩臂的灵活性使起重机可以通过较低的空间,主要应用在桥梁下、隧道内等高度受限以及建筑工地内转场频繁的非路面工作场合。因而,伸缩臂履带起重机经常可以代替吨位大得多的轮式起重机和桁架臂履带起重机。本机还具有液压伸缩的履带跨距,收回时便于运输,而伸出时能提高起重机的稳定性能。

Function Introduction of Telescopic Crawler Crane

Telescopic Crawler Crane is a kind of new generation products, which is developed by our company and Dalian University of Technology. Now seven kinds of loading capacity are available, which are 25 tons, 32 tons, 40 tons, 50 tons, 65 tons, 80 tons and 100 tons. Our advanced and excellent-performed Telescopic Crawler Crane fills the gap in domestic market, and will be an ideal lifting equipment at present.

This machine combines the advantages of autocrane working without boom-disassembling and crawler crane working with load. The track chassis can be used in various working fields, with lower pressure to ground, more close to lifting load. The machine can pass through lower height for its flexible telescopic boom, usually as the replacement of autocrane and truss boom crawler crane with much larger tonnages. It is mainly applied to such following fields, such as under-bridge, inner-tunnel and other height restrained off streets area or frequent shifting yard. This machine also has the track span of hydraulic telescopic crane, with the advantages of convenient transportation when retracting and stable performance when extending.

起升高度曲线 (m) Hoisting height graph



25吨主要设计参数表 Technical Data

最大额定起重量: Max. lifting capacity (t)		25	
最大额定起重量时的幅度: Range (m)		3	
额定载荷下起升倍率: Max. multiplying		8	
主起升机构最大单绳速度: Max. single rope hoisting speed for main boom (m/min)		99	
副起升机构最大单绳速度: Max. single rope hoisting speed for jib (m/min)		92	
伸缩时间(伸/缩):Telescoping time(extend/shrink)(s)		56/38.5	
变幅时间(起/落):Derricking time(raise/lower)(s)		43/35	
外形尺寸 Overall dimension	起重机总长:Overall length (m)	12.955	
	起重机总宽:Overall width (m)	3/4.2	
	起重机总高:Overall height (m)	3	
回转速度:Slewing speed (rpm)		1.79	
履带接地长度×轨距: Crawler earthing length×gauge(mm×mm)		4300X3600	
爬坡能力:Gradeability		40%	
传动形式: Transmission		全液压传动 Total hydraulic transmission	
行走速度: Travel speed (km/h)		3.2	
起重机总质量: Overall weight (t)		37	
臂架系统 Main system for boom	主臂 Boom	基本主臂: Basic boom (m)	10.2
		最长主臂 Max. boom length (m)	30
	副臂 Jib	基本副臂: Basic jib (m)	6.5
		副臂安装角:Jib installing angle (°)	0, 15
		副臂起升倍率:Jib hoisting multiplying	1

固定副臂工况载荷表 Load Chart (Jib)

主臂+副臂 boom+jib (m) 30 + 6.5 = 36.5 m				
主臂仰角 Boom angle α°	副臂补偿角 Jib compensating angle			
	0°		15°	
	幅度 range (m)	起重量 Loading weight (kg)	幅度 range (m)	起重量 Loading weight (kg)
80	4.0	2500	5.4	1800
75	7.1	2300	8.4	1500
70	10.2	2100	11.4	1300
65	13.1	1800	14.3	1100
60	16.0	1400	17.0	900
55	18.6	1100	19.7	700
50	21.2	800	22.1	600
45	23.5	600	24.4	500
钢丝绳倍率 Steel rope multiplying			1	

主臂工况载荷表 Load Chart (Boom)

工作幅度 Working range m	主臂长度 Boom							
	10.2m		16.8m		23.4m		30m	
	仰角 Angle α°	起重量 Loading weight (kg)	仰角 Angle α°	起重量 Loading weight (kg)	仰角 Angle α°	起重量 Loading weight (kg)	仰角 Angle α°	起重量 Loading weight (kg)
3	69.8	25000						
3.5	66.7	25000						
4.0	63.5	24700	74.5	15000				
4.5	60.1	21200	72.7	13900				
5.0	56.7	18400	70.8	12900				
5.5	53.0	16300	69.0	12000	75.2	10000		
6.0	49.1	14500	67.1	11300	73.9	9500		
6.5	44.9	13100	65.2	10600	72.6	8700		
7.0	40.4	11800	63.3	9900	71.3	8200		
7.5	35.3	10500	61.3	9400	70.0	7700	74.5	6000
8.0			59.3	8900	68.6	7300	73.5	5600
9.0			55.1	7800	65.9	6900	71.5	5000
10			50.6	6800	63.2	5900	69.5	4500
11			45.8	5900	60.3	5300	67.4	4000
12			40.6	5100	57.4	4800	65.3	3600
13			34.6	4500	54.4	4400	63.1	3300
14					51.2	4000	60.9	3000
15					47.9	3700	58.7	2700
16					44.4	3400	56.4	2500
17					40.6	3100	54.0	2200
18					36.5	2900	51.6	2000
19					21.9	2500	49.0	1800
20							46.4	1700
22							40.6	1400
24							34.1	1100
倍率 Multiplying	8		5		4		3	

载荷表说明 Notes for load chart

1. 本起重机符合 GB3811-2008 标准。
2. 载荷表所表示的额定总载荷值为水平坚硬地面上,理想作业条件的最大允许值。
3. 载荷表所示的值以吨为单位,其值包括吊钩、吊具等自重。吊钩重量: 25t 吊钩 - 0.285t
2.5t 吊钩 - 0.0553t
4. 配重重量为 10t。
5. 主臂最大工作角度 80°。
6. 起重机主臂操作允许的最高风速为 10 m/s。
7. 侧面时稳定值最小。
1. Loading capacity accords with GB3811-2008.
2. Rated load in the chart is based on the circumstance that the crane works on the level and firm ground with the maximum permissible value under the ideal working conditions.
3. The unit in the chart is ton, and the value consists of hook and cargo sling. Weight of hook: 25t hook - 0.285t
2.5t hook - 0.0553t
4. The counterweight is 10t.
5. Max. boom hoist angle is 80°.
6. Max. permissible wind speed for the operation of crane boom is 10 m/s.
7. The minimum stable rated value is over the side.

