

# PUYUAN

## 全液压汽车起重机

Full Hydraulic Truck Crane

## QY50D



### 主要技术参数 Main technical specifications

项 目 (ITEM)		单 位 (UNIT)	数 值 (DATA)
工作性能参数 WORKING PERFORMANCE SPECIFICATIONS	最大额定总起重量	max. rated lifting capacity	kg 60000
	基本臂最大起重力矩	max. lifting moment with min. boom length	kN.m 1800
	最长主臂最大起重力矩	max. lifting moment with max. boom length	kN.m 868
	主臂最大起升高度	boom max. lifting height	m 40.2
	副臂最大起升高度	jib max. lifting height	m 56.5
工作速度 WORKING SPEED	单绳最大速度	single line max. speed	m/min 125
	起重臂伸出时间	lifting boom extending time	s 165
	起重臂起臂时间	lifting boom elevating time	s 95
	回转速度	slewing speed	r/min 0~2
	最高行驶速度	max. travelling speed	km/h 66
行驶参数 TRAVELLING SPECIFICATIONS	最大爬坡度	max. gradeability	% 30
	最小转弯半径	min. turning radius	m 11.5
	最小离地间隙	min. clearance	m 0.24
	接近角	approach angle	° 20
	离去角	angle of departure	° 10
	自由加速烟度排放限值	accelerate freely dust displacement	FSN ≤2.5
	百公里油耗	oil consumption per. 100 kilometers	L 50
质量参数 MASS SPECIFICATIONS	行驶状态自重(总质量)	self-weight in travelling condition	kg 40400
	前轴轴荷	front axle load	kg 14900
	后轴轴荷	rear axle load	kg 25500
尺寸参数 DIMENSION SPECIFICATIONS	外形尺寸(长×宽×高)	overall dimensions (l × w × h)	mm 13600 × 2750 × 3550
	支腿纵向跨距	outrigger longitudinal span	m 5.45
	支腿横向跨距	outrigger transversal span	m 6.70
	主臂长	boom length	m 10.8~40.2
	主臂仰角	boom angle	° -2~80
	副臂长	jib length	m 15
底盘 CHASSIS	型号	type	ZLJ5401
	发动机型号	engine model	杭发WD615.50
	发动机功率	max. power of engine	kW/rpm 206/2200
	最大扭矩	max. torque of engine	N.m/rpm 1160/1300~1600

### 起重特性表 Rated lifting capacity table

单位(UNIT): kg

工作 幅 度 WORKING RADIUS(m)	主 臂 BOOM					主 臂 仰 角 BOOM ANGLE (°)	主臂+副臂 BOOM+JIB			
	支腿全伸、后方、侧方作业 REAR & SIDE WORKING AREA WITH OUTRIGGER FULLY EXTENDED						40.2+9m		40.2+15m	
	臂 长 BOOM LENGTH						副臂安装角 JIB OFFSET		副臂安装角 JIB OFFSET	
	10.8m	18.15m	25.5m	32.85m	40.2m					
3.0	60000	31000				0°	30°	0°	30°	
3.5	50500	31000				80	4000	2150	2400	
4.0	43500	30000	21000			78	3800	2050	2180	
4.5	40000	28000	20000			76	3500	1950	1920	
5.0	36000	27000	19200	13800		74	3150	1900	1820	
5.5	31000	24600	19000	13800		72	2850	1850	1690	
6.0	25600	23200	18200	13800		70	2700	1800	1530	
6.5	22000	21000	17500	13600		68	2550	1750	1380	
7.0	20000	19400	17100	13600	8500	66	2450	1650	1230	
8.0	15500	15300	15500	12600	8500	64	2150	1400	1080	
9.0	12100	11700	13000	11600	8200	62	1850	1150	950	
10.0		9500	10800	10600	7800	60	1550	1000	830	
11.0		7500	8800	9200	7400	58	1350	850	700	
12.0		6500	7200	8200	7000	56	1100	700	600	
13.0		5300	6000	7000	6600	54	950	550		
14.0		4600	5200	6200	6200	52	750			
15.0		3700	4300	5200	5300	50				
16.0		3000	4000	4800	5000					
18.0			3000	3800	4000					
20.0			2100	3000	3200					
22.0			1600	2300	2600					
24.0				1800	2100					
26.0				1400	1600					
28.0					1200					

- 表中的额定总起重量是起重机设置在坚固地面呈水平状态下的允许起吊重量，不允许在不打支腿的情况下吊重；
- 表中所列数值为包括吊具在内的最大允许值（50吨主钩重505千克，副吊钩重120千克）；
- 表中红线上方的额定总起重量由起重机的结构强度所决定，其它由起重机整机稳定性而确定；
- 使用臂端滑轮时，最大起重量不得超过单根钢丝绳允许起吊载荷4.2吨。
- 打好第五支腿时，表中数值适用于圆周360°作业。

- Lifting capacities shown in the table are based on the condition that the crane is set on firm ground horizontally, lifting on the wheels is prohibited.
- Capacities listed in the table are max. permissible values including the slings (505kg main hookblock for 50t and 120kg auxiliary hookblock).
- Rated lifting capacities above the red line in the table are based on structure strength of the crane, the others, on stability.
- When the single top sheave is used, max. lifting capacity must not exceed a permissible load of 4.2t per single line.
- With the fifth outrigger fully extended, full 360° rotation is available according to the values listed in the above table.

- 驾驶室宽敞舒适  
Wide and comfortable streamline style driver's cab



# QY50D

## 浦沅牌全液压汽车起重机

### PUYUAN Full Hydraulic Truck Crane

最大起重量达 **60t**  
MAX. LIFTING CAPACITY 60T

- 高翘式转台尾部，充分保证全方位回转安全  
High tilting rotate table tail assembly, ensure 360° slewing with safety
- 收放自如的备胎升降机构  
Extending and retracting freely spare tyre mechanism



- 新型流线型操纵室  
New streamline style operator's cab



- 流线型双门驾驶室  
Streamline style double doors driver's cab

#### QY50D ( ZLJ5401JQZ50D ) 主要特点:

- 吊臂采用高强度钢，起重性能显著提高，最大起重量达60吨。
- 流线型双开门驾驶室，配活动脚踏，上下方便，实现了人机完美结合。
- 采用双油缸变幅机构，动作安全、平稳。
- 液压件采用最先进零部件配套，主要密封件进口。
- 高翘式转台尾部设计，充分保证全方位回转安全。
- 配备备胎自动收放机构。
- 斯太尔WD615.67A型环保发动机，动力强劲。
- 全覆盖走台板，整车简洁、美观。
- 下车双面操作，独特的双面油门操纵机构，方便实用。
- 装有第五支腿，可360°全方位作业。
- 力矩限制器、主臂角度指示器、排绳器、过卷、过放、照明等装置齐全可靠。
- 可选装上下车空调。

#### QY50D ( ZLJ5401JQZ50D ) Main characteristic:

- Boom adopts high strength steel, which can improve the lifting performance greatly.
- Streamline type double doors driver's cab with movable pedal can realize perfect integration between man and machine.
- Derricking mechanism is driven by double-action cylinders, the motion of which is safe, stable and reliable.
- Key hydraulic parts and seal parts are imported.
- The design of high tilting rotate table tail assembly ensure 360° slewing with safety.
- Crane is equipped with automatic extending and retracting spare tyre mechanism.
- Steyr WD615.67A environment friendly engine with strong power is equipped.
- Full-cover deck.
- Chassis can be controlled on left and right sides of the vehicle.
- The crane can be operated in 360° scope with the 5th outrigger extended.
- It is equipped with complete & safety devices, such as moment limiter, boom angle indicator, clamping roller, overlowering device, overwinding device and illuminations.
- The air-conditioner of in the chassis and in the superstructure are options.



- 精确可靠的力矩限制器  
Accurate and reliable moment limiter



- 防磨损液压油管  
Proof-wear hydraulic oil pipe

- 内齿式回转支承  
Inner gear type slewing support



- 提高整车通过性的活动脚踏  
Movable pedal to increase the passing of the vehicle



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