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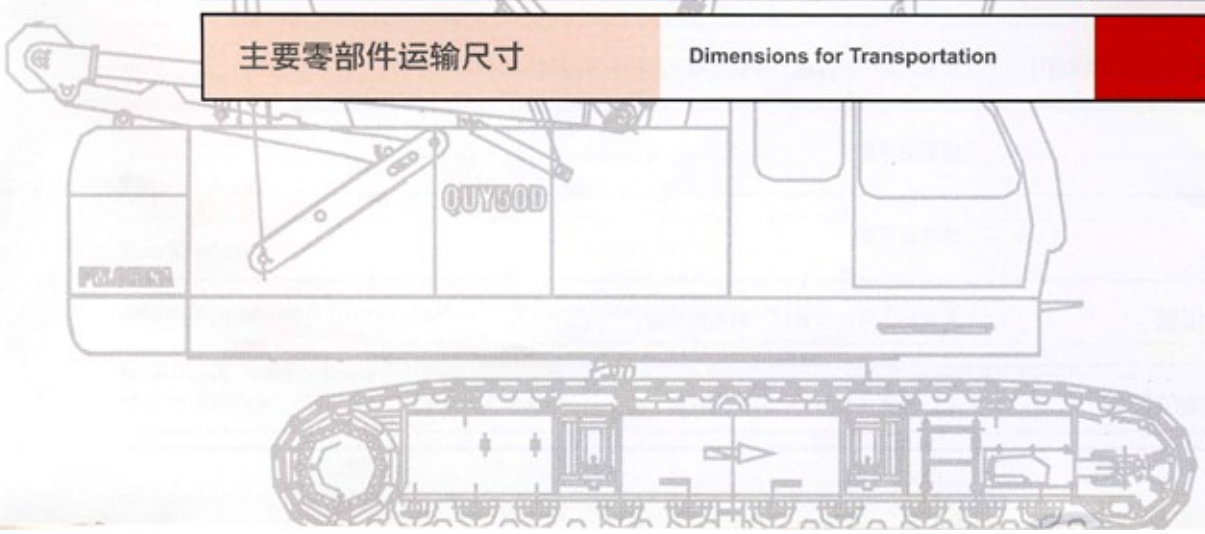
目录 Content



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液压式履带起重机
HYDRAULIC CRAWLER CRANE
QUY50D

抚顺挖掘机制造有限责任公司
FUSHUN EXCAVATOR CORPORATION LTD.

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01

Fushun Excavator Corporation Ltd.

安全装置

吊钩和臂架防过卷装置	吊钩和臂架防过卷装置是用于防止因过卷导致的机器损坏或后翻事故。
吊钩防过卷装置	当起重钩提升到一定高度时，将重锤托起，则微动开关由弹簧复位，开关接点断开，控制继电器动作使蜂鸣器报警，报警指示灯闪亮，同时，控制器锁定起重钩的提升，起重钩提升动作自动停止。
臂架防过卷装置	臂上限角度由力矩限制器和主臂上限位开关检测控制。 起重工况 当主臂≥上限位角度80°时，力矩限制器声光连续报警，并输出信号 主臂停止升臂。同时,主臂上限位开关动作，主臂上限位开关回路被切断，主臂停止升臂。
力矩限制器	限制器对起重机作业进行实时监控,在各种工况下,通过按键设置工况参数。 当额定起重力矩的0%≤ 起重力矩＜额定起重力矩的90%时，力矩限制器显示屏上,力矩百分比条形码绿色点亮，限制器无声音报警。 当额定起重力矩的90%≤起重力矩＜额定起重力矩的100%时，力矩限制器显示屏上,力矩百分比条形码黄色预警，同时限制器发出声音断续报警。 当额定起重力矩的100%≤起重力矩＜额定起重力矩的105%时，力矩限制器显示屏上,力矩百分比条形码红色报警，同时限制器发出声音连续报警。 当起重力矩≥额定起重力矩的105%时，力矩限制器显示屏上,力矩百分比条形码红色报警，限制器发出声音连续报警,同时输出信号. 主、副钩停止提升.臂停止增幅动作。
负载率指示灯	为了便于现场人员了解机械载荷情况，采用了与交通信号相同的3色负载率指示灯。
风速仪	臂架顶部的风速传感器装置用于检测风速,力矩限制器显示风速。
制动器和锁定装置	制动器 本起重机设有主、副卷筒制动器、变幅卷筒制动器、回转制动器。 锁定装置 本起重机设有主、副卷筒棘爪锁定装置、变幅卷筒棘爪锁定装置、回转锁定装置。
拉力传感器、角度传感器	拉板上设有拉力传感器，用于检测拉力。 主臂根部装有角度传感器,用于检测主臂的角度。
水平仪	该装置用于检测机体与水平地面的角度，用来保证机器工作地面符合要求。
角度盘	主臂架根处设有机械式角度盘,用来显示臂架当前角度.
卷筒过放保护(三圈半保护)	主卷、副卷筒分别安装有三圈半保护装置,用来避免卷筒放绳时产生过放现象。
回转报警	蜂鸣器报警。
行走报警	蜂鸣器报警。
主臂上限位报警	主臂到上限位位置时，蜂鸣器报警。
主、副提升限位报警	主、副提升过卷时，蜂鸣器报警。

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Safety Device

Anti-two block and boom over-hoist prevention devices	Hook and boom over-hoist prevention devices are used for preventing the crane from the accidents because of the over-hoist.
Anti-two block	When the hook lifts up to certain height and touches the plumb, the limit switch shall be disengaged by the reposition spring, and then the switch cuts off the control circuit. The control relay makes the buzzer alarm and the indictor lights up. At the same time, the rise of the hook will stop automatically.
Boom over-hoist prevention device	The boom upper limit angle is controlled by moment limiter and boom upper limit switch. The crane is only mounted with boom. When the boom upper limit angle is more than 80 degree, the moment limiter will continuously alarm and send out the signal. The rise of boom will stop. At the same time, the limit switch is cut off. The boom stops rising.
Moment limiter	The device monitors the work of the crane. You can press the key to set the parameters of all working conditions. When the actual load is less than 90% of rated load, the screen shows load proportional bar in green color, and no warning alarm from the safe load indictor. When the actual load exceeds 90% of rated load while is less than 100% of rated load, the screen shows yellow color and an intermittent warning alarm sounds. When the actual load exceeds 100% of rated load while less than 105% of rated load, the monitor screen shows red color and the safe load indicator gives continuous warning alarm, and output control signal. When the actual load exceeds 105% of rated load, the monitor screen shows red color and gives out a continuous warning alarm, at the same time the safe load indicator put out control signal to stop the hoisting action of main and auxiliary hooks and boom.
The three-color load indicator	The three-color load indicator is installed on the crane in order to let the personnel on site know the load.
Anemometer	The wind speed sensor is installed on the top of boom to test wind speed. The moment limiter displays wind speed.
The brakes and locking devices	Brakes: the brakes on main and aux. winches, the brakes on main and aux, derricking winches, swing brake. Locking devices: main and auxiliary winch pawls, main derricking winch pawls and slew locking device.
Pull sensor, angle sensor	The pull senor is installed on the pendant bar to test the pull. The angle sensor is installed on the boom foot to test boom angle.
Level gauge	The device is used for testing the angle between the machine and the ground to ensure the conditions of the ground meet the requirements.
Angle scale	The angle scale is installed on the boom foot to show the current angle of boom when the crane is lifting the road.
Three and a half layers protection device	This device is installed on main and auxiliary hoisting winches to ensure at least three and a half turns of wire ropes remain on the drum to guarantee safe operation of the machine.
Swing alarm	The buzzer alarms.
Travel alarm	The buzzer alarms.
Boom upper limit alarm device	When boom reaches upper limit, the buzzer will alarm.
Main/aux. winch limit alarm device	When main/aux. winch overhoists, the buzzer will alarm.

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详细说明

上车结构

动力装置

型号 QSB6.7进口康明斯电控柴油机

类型 水冷式，直喷，带涡轮增压器。

排量 6.7L

额定功率 127kw/2000rpm

最大扭矩 659N.m/1500rpm

燃油油箱容量 250L

液压油箱容积 300L

液压系统

液压系统是由五泵组成，先导系统是由两泵组成，一组M7多路阀，同时能实现行走、变幅、回转和卷扬复合动作时的组合。油冷却器独立温控散热，回转独立闭式控制，各卷扬独立系统控制。

控制系统

电比例先导控制，起重作业时，液压系统功率根据发动机的功率变化而变化。

电子监控系统

电子监控器适时显示并具有故障查询功能。

主、副提升卷扬装置

主、副提升卷扬装置，由变量柱塞马达通过行星减速机驱动。湿式片式常闭制动器。

主提升卷扬装置

卷筒：节圆直径φ460mm

钢丝绳直径：φ20mm

钢丝绳长度：185m

最大绳速：120m

副提升卷扬装置

卷筒：节圆直径φ460mm

钢丝绳直径：φ20mm

钢丝绳长度：120m

最大绳速：120m

主臂变幅系统

由液压变量柱塞马达通过行星减速机驱动。湿式片式常闭制动器。

卷筒：节圆直径φ430mm

钢丝绳直径：φ16mm

钢丝绳长度：150m

回转系统

由马达通过行星减速机带动齿轮驱动，可旋转360°

速度：3.5转/分钟

四个位置止动销锁定。

驾驶室

宽度920mm司机室，带有空调和暖风机，带后视镜和雨刷器、立体音响等。大屏幕电子监控器和力矩限制器。格拉默全方位可调座椅，干粉灭火器等。

平衡重

平衡重由上.中.下三块组成，上平衡重重量为4.4吨，中平衡重重量为6.9吨，下平衡重重量为4.8吨。

下车结构

底座

伸缩折叠式结构。

支重轮装置

每侧各有10个，所有的支重轮均装有铜套和浮动式密封以及耐磨润滑油。

履带板

左、右履带行走装置共有118块履带板，每块履带板的宽度为760mm。履带板的张紧程度可以通过液压千斤顶进行调节，调节垫片的位置达到理想的张紧度。

履带动力

独立的液压驱动系统嵌入履带架内，每侧液压驱动系统包含了一个液压马达并通过行星减速机带动驱动轮。液压马达和减速机嵌入履带结构内，不超出履带宽度。

行走速度 0～1.3千米/小时。

爬坡能力 40%（22°）

作业装置

臂架主铰管采用进口高强度钢管。

主臂

臂架为中间等截面，两端变截面的空间桁架式结构,钢管焊接。标准主臂长度为13～52米。

固定副臂的组成

固定副臂与主臂有两种角度:10°和30°

主臂和副臂组成：主臂长度为25～43m,副臂长度为9.15m～15.2m.

吊钩

50吨吊钩

15吨吊钩

6吨吊钩

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Specifications

Superstructure

Power device
Model: QSB6.7 engine from Cummins
Type: water-cooling, direct fuel injection, with turbocharger actuator
Displacement: 6.7L
Rated power; 127kw/2000rpm
Max torque: 659N.m/1500rpm
Capacity of fuel box: 250L
Capacity of hydraulic oil box: 300L

Hydraulic system
Hydraulic system is composed of five pumps; pilot system is composed of two pumps. a group of M7 multi-way valves can realize the compound operation of traveling, derricking, swinging and hoisting simultaneously. Oil cooler independently controls the temperature. Swing system is controlled by closed –type independent hydraulic system. All winches are controlled by independent hydraulic system.

Control system
Controlled by the electrical proportion pilot; when performing lifting operation, hydraulic system power may vary depending on the power of the engine.

Electronic monitoring system
The electronic monitor has the function of troubleshooting.

Main and auxiliary winches
The main and auxiliary winches are driven by the hydraulic variable plunger motors through the planetary reduction gear. The wet-disc brake is often engaged.

Main winch
The diameter of the drum:φ460mm
The diameter of wire rope:φ20mm
Length of wire rope:185m
Maximum rope speed:120m/min

Aux. winch
The diameter of the drum: φ460mm
The diameter of wire rope:φ20mm
Length of wire rope:120m
Maximum rope speed:120m/min

Boom derricking system
The boom derricking system is driven by the hydraulic variable plunger motor through the planetary reduction gear. The wet-disc brake is often engaged.
Diameter of the drum: φ430mm
Diameter of wire rope:φ16mm
Length of wire rope:150m

Swing system
The swing system provides 360°rotation. The swing unit is driven by hydraulic motor through planetary reduction gear.
Slewing speed:3.5r/m
Four pins are locked.

The cabin
The width of the cabin is 920mm. The cabin is equipped with air-conditioner, heater, rear view mirror, wiper and stereo. In the cabin, there are large-screen electronic monitors and moment limiter, fire extinguisher. The Gelamo chair can be adjusted.

Counterweight
Counterweight is composed of three pieces: a piece of 4.4T upper counterweight, a piece of 6.9T middle counterweight and a piece of 4.8T lower counterweight.

Undercarriage

Lower frame:
Telescopic folding structure

Track Roller
Each side has 10 track rollers. All track rollers are equipped with bushings and seals. They are coated with lubricating oil.

Track shoes
The left and right crawlers have 118 track shoes. The width of track shoe is 760mm. The tension of track shoe can be adjusted by the hydraulic jack. Adjusting the shim makes the crawler in ideal tension conditions.

Crawler drive
Independent hydraulic propel driver is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a drive sprocket through a planetary reduction gear. Hydraulic motor and reduction gear are built into the crawler side frame within the shoe width.

Travel speed 0～1.3Km/H
Grade ability 40% (22°)

The attachments

The main steel pipe with high strength is imported.

Main boom
The insert section has the equal cross section. The top and foot have the variable cross sections. The boom is the lattice structure welded with steel pipes.
Length of standard boom is13～52m.

Fixed jib combination
Two kinds of angle between boom and fixed jib: 10°and 30°
Boom and fixed jib combination:
main boom:25～43m; fixed jib: 9.15m～15.2m

Hook blocks
50t hook block
15t hook block
6t hook block

工况符号

The symbols of working conditions


标准主臂工况
Standard Boom


加长主臂工况
Runner


固定副臂工况
Fixed Jib

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臂杆组合 Boom Combination

固定副臂
最大起重量：5吨x18米
最大组合：43米+15.25米

Fixed Jib
Max.lifting capacity:
5tx18m
Max.boom and jib combination:
43m+15.25m

主臂 Boom 25m-43m | 副臂 Fly Jib 9.15m-15.25m

加长主臂
最大起重量：5吨x18米
最大臂杆长度：49米

Runner
Max.lifting capacity:
5tx18m
Max.boom length
49m

主臂 Boom 13m-49m

标准主臂
最大起重量：50吨x3.7米
最大臂杆长度：52米

Standard Boom
Max.lifting capacity:
50tx3.7m
Max.boom length
52m

主臂 Boom 13m-52m

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主要技术参数

Technical Data

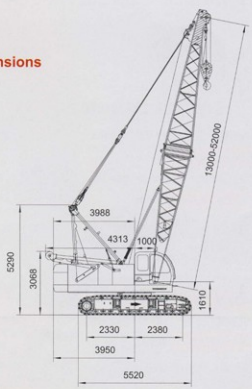
项　目			单 位	数　值
最大额定起重量			t	50
标准主臂长度			m	13~52
副臂长度			m	9.15~15.25
主臂+副臂最大长度			m	43+15.25
起重臂变幅角度			°	30~78
吊钩配置			t	50/15/6
工作速度	钢绳速度	提 升(第一层)	m/min	0~120
		下 降(第一层)	m/min	0~120
		起 重 臂 上 升	m/min	☆58
		起 重 臂 下 降	m/min	☆58
	回 转 速 度		r/min	☆3.5
	行 走 速 度		km/h	☆1.3
主提升倍率		9	提升单绳拉力	10.5t(第一层)
变幅倍率		12		
爬坡能力(带基本臂, 司机室置于后方)			%	40
柴油机额定输出功率/转速			KW/r/min	美国康明斯QSB6.7 127/2000
整机质量			t	49.5
接地压力			MPa	0.069
配重质量			t	16.3
主机外形尺寸			mm	7150X3200X3200

Descriptions			Unit	Data
Maximum rated lifting capacity			t	50
Standard boom length			m	13 ~ 52
Jib length			m	9.15 ~ 15.25
Max. length of main boom and fixed jib			m	43+15.25
Boom angle			°	30 ~ 78
Hook blocks			t	50/15/6
Working speed	Line speed	Hoist(first layer)	m/min	0 ~ 120
		Lower(first layer)	m/min	0 ~ 120
		Boom hoist	m/min	* 58
		Boom lower	m/min	* 58
	Swing speed		r/min	* 3.5
	Travel speed		km/h	* 1.3
Boom hoisting reeving		9	Single line pull	10.5t (first layer)
Derrick reeving		12		
Grade ability(with boom foot and the cabin in the rear)			%	40
Rated power output/rotation speed of diesel engine			KW/r/min	Cummins QSB6.7 127/2000
Weight of whole machine			t	49.5
Ground pressure			MPa	0.069
Counterweight			t	16.3
Overall dimensions			mm	7150X3200X3200

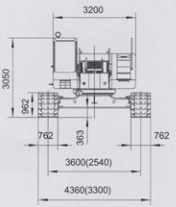
注: 带☆速度是随载荷的不同而变化。

Note :The speed may vary with load

总体尺寸
Overall dimensions



标准主臂
Standard boom



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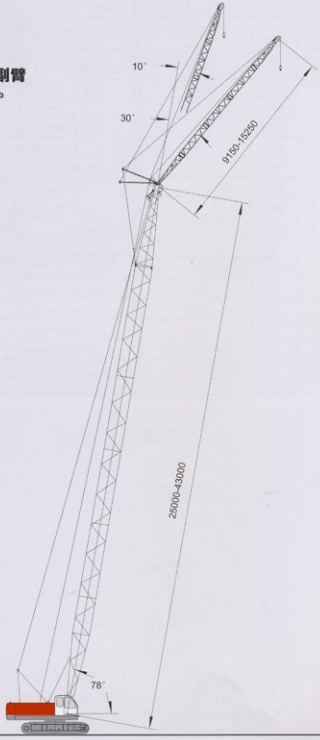
总体尺寸 Overall Dimensions

固定副臂
Fixed Jib



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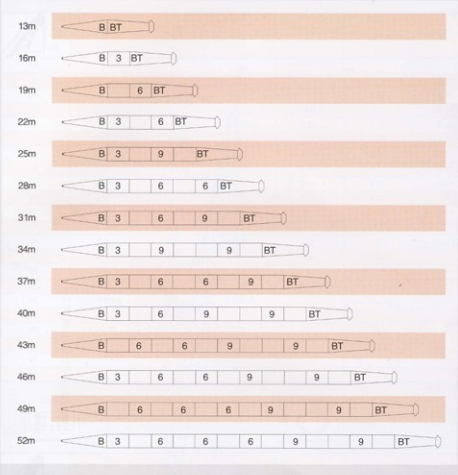
主臂和副臂组合

Boom and Jib Combinations

标准主臂工况臂节组合

Boom Combination



注解

符号	臂杆长度	备注
B	6.5米	6.5米下节臂
BT	6.5米	6.5米上节臂
3	3米	3米中间节臂
6	6米	6米中间节臂
9	9米	9米中间节臂

Note

Symbol	Length	Remarks
B	6.5m	6.5m boom foot
BT	6.5m	6.5m boom top
3	3m	3m boom insert
6	6m	6m boom insert
9	9m	9m boom insert

固定副臂工况臂节组合

主臂长度	副臂长度	副臂组合
25米-43米	9.15米	B 3.05 BT
	12.20米	B 3.05 3.05 BT
	15.25米	B 3.05 3.05 3.05 BT

注解

符号	副臂长度	备注
B	3.05米	3.05米下节臂
BT	3.05米	3.05米上节臂
3.05	3.05米	3.05米中间节臂

Fixed jib combination

Boom length	Jib Length	Jib Combination
37m-52m	9.15m	B 3.05 BT
	12.20m	B 3.05 3.05 BT
	15.25m	B 3.05 3.05 3.05 BT

Note

Symbol	Jib length	Remarks
B	3.05m	3.05m jib foot
BT	3.05m	3.05m jib top
4.6	3.05m	3.05m jib insert

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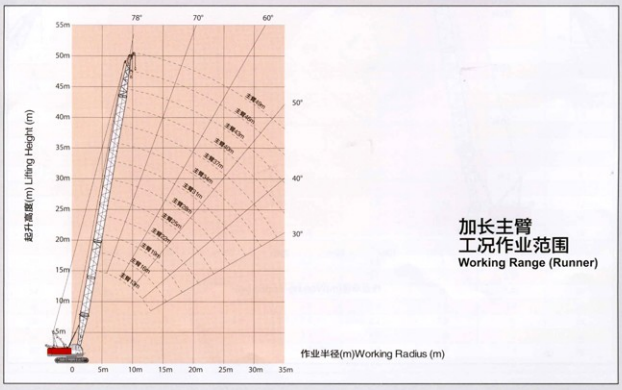
加长主臂工况载荷表

Load Chart (Runner)

m \ ft	13	16	19	22	25	28	31	34	37	40	43	46	49	m \ ft
3.7														3.7
4.3	5													4.3
4.5	5													4.5
5	5	5	5.3/5											5
5.5	5	5	5	5.8/5										5.5
6	5	5	5	5	6.3/5	6.8/5								6
7	5	5	5	5	5	5	7.4/5	7.9/5						7
8	5	5	5	5	5	5	5	5	8.4/5	8.9/5				8
9	5	5	5	5	5	5	5	5	5	5	9.5/5			9
10	5	5	5	5	5	5	5	5	5	5	5	5	10.5/5	10
12	5	5	5	5	5	5	5	5	5	5	5	5	5	12
14	13.2/5	5	5	5	5	5	5	5	5	5	5	5	5	14
16		15.8/5	5	5	5	5	5	5	5	5	17.8/5	17.6/5	17.3/5	16
18			18.4/5	19.3/5	19.1/5	18.9/5	18.6/5	18.3/5	18.3/5	5	4.9	4.8	4.7	18
20				21/5	4.7	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4	20
22					4.1	4	3.9	3.8	3.8	3.7	3.6	3.5	3.4	22
24					23.6/3.9	3.5	3.4	3.3	3.3	3.2	3.1	3	2.9	24
26						26.2/3.2	3	2.8	2.8	2.75	2.7	2.5	2.4	26
28							28.8/2.55	2.6	2.5	2.4	2.35	2.2	2.1	28
30								2.3	2.25	2.15	2.05	1.9	1.8	30
32								31.3/2.25	1.9	1.85	1.75	1.6	1.5	32
34									33.9/1.75	1.6	1.5	1.3	1.2	34

1.本表所示的额定总载荷是在水平坚硬土壤地面，非行走吊重工作时的值。额定总载荷是在侧翻载荷的78%以内。
2.实际起重量应从本表的额定总载荷中扣除主钩副钩等一切吊具重量后的值。
3.起重钩质量：6吨钩为0.181吨。

1.Capacities shown in the charts are based on the machine standing on firm and level ground. The rated total lifting capacity is within 78% of tipping load.
2.The actual lifting capacity is the rated load capacity in the table deducting the weight of hooks, slings and other load handling accessories.
3.The weight of 6t hook block: 0.181t



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固定副臂工况载荷表

Load Chart (Fixed Jib)


25m-43m


10°,30°
9.15m-15.25m


360°


16.3t

m	主臂长度25米25m boom						主臂长度28米28m boom						m
	9.15		12.2		15.25		9.15		12.2		15.25		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
9.8	5												9.8
10	5		4				5						10
12	5	4.8	4		3.3		5	4.6	4.1		3.3		12
14	5	4.6	4	3.7	3.3		5	4.5	4.1	4	3.3		14
16	5	4.5	4	3.6	3.3	3.3	5	4.4	4.1	4	3.3	3.1	16
18	5	4.5	4	3.6	3.3	3.3	5	4.3	4	4	3.3	3.1	18
20	4.7	4.4	4	3.55	3.3	3.2	4.6	4.2	4	3.9	3.3	3.1	20
22	4.1	4.2	4	3.3	3.3	3.1	4	4.1	3.7	3.8	3.3	3	22
24	3.6	3.7	3.7	3.15	3.3	3	3.5	3.6	3.6	3.7	3.3	2.95	24
26	3.2	3.3	3.3	3.1	3.1	2.9	3.1	3.2	3.2	3.3	3.2	2.8	26
28	2.9		2.9	3	3	2.6	2.8	2.8	2.8	2.9	2.9	2.65	28
30	2.6		2.6	2.7	2.7	2.5	2.5		2.5	2.6	2.6	2.55	30
32	2.3		2.4		2.4	2.2	2.2		2.3	2.4	2.3	2.4	32
34			2.2		2.2		2		2.1		2.1	2.2	34


25m-43m


10°,30°
9.15m-15.25m


360°


16.3t

m	主臂长度31米31m boom						主臂长度34米34m boom						m
	9.15		12.2		15.25		9.15		12.2		15.25		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
9													9
10	5												10
12	5		4.1		3.3		5		4.1				12
14	5	4.5	4.1		3.3		5	4.5	4.1		3.3		14
16	5	4.4	4.1	4	3.3		5	4.4	4.1	4	3.3		16
18	5	4.3	4	4	3.3	3.1	5	4.3	4	4	3.3	3.1	18
20	4.5	4.2	4	3.9	3.3	3.1	4.4	4.2	4	3.9	3.3	3.1	20
22	3.9	4.1	3.7	3.8	3.3	3	3.8	4	3.7	3.8	3.3	3	22
24	3.4	3.5	3.5	3.7	3.3	2.95	3.3	3.5	3.4	3.6	3.3	2.95	24
26	3	3.1	3.1	3.2	3.1	2.8	2.9	3	3	3.1	3	2.8	26
28	2.7	2.8	2.8	2.9	2.8	2.65	2.6	2.7	2.6	2.8	2.7	2.65	28
30	2.4	2.5	2.5	2.6	2.5	2.6	2.3	2.4	2.3	2.5	2.4	2.5	30
32	2.1		2.2	2.3	2.2	2.4	2	2.1	2.1	2.2	2.1	2.3	32
34	1.9		2	2	2	2.1	1.8		1.9	2	1.9	2	34

1.本表所示的额定总载荷是在水平坚硬土壤地面，非行走吊重工作时的值，额定总载荷是在倾翻载荷的78%以内。
2.实际起重量应从本表的额定总载荷中扣除主钩副钩等一切吊具重量后的值。
3.副臂相对主臂的角度即倾斜角度，应从吊重状态下的角度来表示。
4.起重钩质量：6吨钩为0.181吨。

1.Capacities shown in the charts are based on the machine standing on firm and level ground. The rated total lifting capacity is within 78% of tipping load.
2.The actual lifting capacity is the rated load capacity in the table deducting the weight of hooks, slings and other load handling accessories.
3.The tilting angle is that jib is opposite to boom, which should be taken under load condition.
4.The weight of 6t hook block: 0.181t

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固定副臂工况载荷表

Load Chart (Fixed Jib)

m	主臂长度37米37m boom						主臂长度40米40m boom						m
	9.15		12.2		15.25		9.15		12.2		15.25		
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
9													9
10													10
12	5		4.1				5						12
14	5	4.5	4.1		3.3		5	4.5	4.1		3.3		14
16	5	4.4	4.1	4	3.3		5	4.4	4.1	4.1	3.3		16
18	5	4.3	4	4	3.3	3.1	4.8	4.3	3.9	3.7	3.2	3.1	18
20	4.3	4.2	4	3.9	3.3	3.1	4.2	3.9	3.8	3.6	3	3.1	20
22	3.7	3.9	3.7	3.7	3.3	3	3.6	3.6	3.7	3.4	3	3.1	22
24	3.2	3.4	3.3	3.4	3.3	2.8	3.2	3.3	3.2	3.1	2.9	2.9	24
26	2.8	3	2.9	3.1	3	2.75	2.8	2.9	2.8	2.9	2.9	2.7	26
28	2.5	2.6	2.6	2.7	2.6	2.65	2.4	2.5	2.5	2.6	2.5	2.5	28
30	2.2	2.3	2.3	2.4	2.3	2.5	2.1	2.2	2.2	2.3	2.2	2.3	30
32	1.9	2	2	2.1	2.1	2.2	1.9	2	1.9	2.1	2	2.1	32
34	1.7	1.8	1.8	1.9	1.8	2	1.6	1.7	1.7	1.8	1.7	1.9	34

m	主臂长度43米43m boom												m
	9.15		12.2		15.25								
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	
9													9
10													10
12	5												12
14	5		4.1		3.2								14
16	4.8	4.2	4.1		3.2								16
18	4.4	3.9	3.9	3.5	3.2								18
20	4	3.6	3.8	3.3	3	3							20
22	3.5	3.3	3.4	3	3	2.8							22
24	3.1	3	3.1	2.8	2.8	2.6							24
26	2.7	2.7	2.8	2.6	2.7	2.4							26
28	2.3	2.5	2.4	2.3	2.4	2.2							28
30	2.1	2.2	2.1	2.1	2.2	2							30
32	1.8	1.9	1.9	1.9	1.9	1.8							32
34	1.6	1.7	1.6	1.8	1.7	1.7							34

1.本表所示的额定总载荷是在水平坚硬土壤地面，非行走吊重工作时的值，额定总载荷是在倾翻载荷的78%以内。
2.实际起重量应从本表的额定总载荷中扣除主钩副钩等一切吊具重量后的值。
3.副臂相对主臂的角度即倾斜角度，应从吊重状态下的角度来表示。
4.起重钩质量：6吨钩为0.181吨。

1.Capacities shown in the charts are based on the machine standing on firm and level ground. The rated total lifting capacity is within 78% of tipping load.
2.The actual lifting capacity is the rated load capacity in the table deducting the weight of hooks, slings and other load handling accessories.
3.The tilting angle is that jib is opposite to boom, which should be taken under load condition.
4.The weight of 6t hook block: 0.181t

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载荷表说明

Notes for Load Chart

说明

1.本起重机符合GB3811标准。同时又满足ISO4302,ISO4305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，并基于倾翻力矩 78%以内的值。

4. 载荷表所示的值基于平衡负载而计算，不包括如突然停止的冲击负载，地表状况，风力负荷及操作速度等影响。如在此条件下，驾驶员必须进行减载作业。同时，载荷表中的值还要扣除如吊钩，吊具等的自重。

吊钩自重：50 吨钩……0.48 吨，15 吨钩……0.295 吨，

6 吨钩……0.181 吨。

5. 在安装副臂或短臂时，起重机的实际起重量是将本表的值扣下表所列中以及主钩 + 副钩的质量，但扣除后起重量不足 0.8 吨时不能工作。

副臂长度	m	9.15	12.2	15.25	短臂
扣除质量	t	0.95	1.05	1.15	0.2

6. 安装副臂时的主臂长度为 25 ～ 43 米。

7. 起重机在吊重时履带架必须是扩张状态。

8. 平衡重质量为 16.3t。

9. 侧面时的稳定值最小。

Notes

1.Ratings according to GB3811, ISO4302 and ISO4305.

2.The rated load in the table is the maximum allowed value when the crane works on the level and firm ground and under the ideal conditions.

3.The unit in the table is ton and the rated load capacity is 78% of tipping load.

4.The rated load is calculated based on stable load, not including impacting load, the conditions of ground and operating speed, so the driver should reduce corresponding load. Weight of hook and slings should be deducted from the rated capacity.

Weight of hook：50t hook……0.48t，15t……0.295t，

6t……0.181t

5.When mounted with jib or runner, the actual lifting capacity is the rated load capacity deducting the weights of main and auxiliary hooks, fixed jib or runner. The crane can not work if the capacity deducted is less than 0.8t.

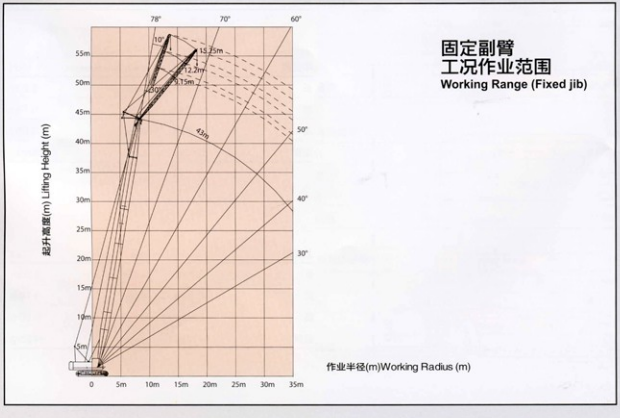
Jib Length	m	9.15	12.2	15.25	Runner
Deducted mass	t	0.95	1.05	1.15	0.2

6. When mounted with jib, length of main boom is 25～43m.

7. Track frames must be extended when the crane is working.

8. The weight of counterweight is 16.3t.

9. Stability is weak at side.



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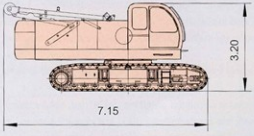
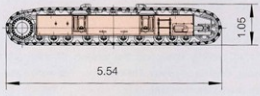
主要零部件运输尺寸

Dimensions for Transportation

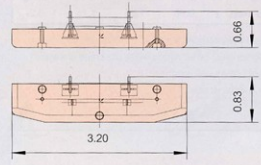
尺寸单位：m　　Unit: m



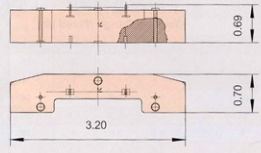
本体(不含配重)	x1	Carbody(not inclouding counterweight)	x1
长	7.15m	Length	7.15m
宽	3.15m	Width	3.15m
高	3.20m	Height	3.20m
重量	31000kg	Weight	31000kg



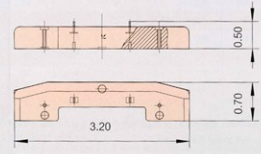
履带总成	x2	Crawler assy	x2
长	5.54m	Length	5.54m
宽	0.97m	Width	0.97m
高	1.05m	Height	1.05m
重量	6303kg	Weight	6303kg



下配重	x1	Lower Counterweight	x1
长	3.20m	Length	3.20m
宽	0.83m	Width	0.83m
高	0.66m	Height	0.66m
重量	4862kg	Weight	4862kg



中配重	x1	Middle Counterweight	x1
长	3.20m	Length	3.20m
宽	0.70m	Width	0.70m
高	0.69m	Height	0.69m
重量	6985kg	Weight	6985kg



上配重	x1	Upper Counterweight	x1
长	3.20m	Length	3.20m
宽	0.70m	Width	0.70m
高	0.50m	Heigth	0.50m
重量	4412kg	Weigth	4412kg

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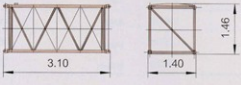
主要零部件运输尺寸

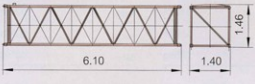
Dimensions for Transportation

尺寸单位：m　　Unit: m



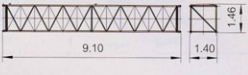
3m中间臂节	x1
长	3.10m
宽	1.4m
高	1.46m
重量	235kg

3m boom insert	x1
Length	3.10m
Width	1.4m
Height	1.46m
Weight	235kg



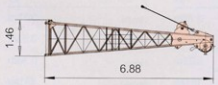
6米中间节臂	x3
长	6.10m
宽	1.40m
高	1.46m
重量	395kg

6m boom insert	x3
Length	6.10m
Width	1.40m
Height	1.46m
Weight	395kg



9米中间节臂	x2
长	9.10m
宽	1.40m
高	1.46m
重量	962kg

9m boom insert	x2
Length	9.10m
Width	1.40m
Height	1.46m
Weight	962kg

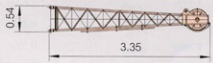


顶部臂节	x1
长	6.88m
宽	1.40m
高	1.46m
重量	962kg

Boom top	x1
Length	6.88m
Width	1.40m
Height	1.46m
Weight	962kg

基础臂节	x1
长	6.65m
宽	1.40m
高	1.67m
重量	1110kg

Boom foot	x1
Length	6.65m
Width	1.40m
Height	1.67m
Weight	1110kg



副臂顶部臂节	x1
长	3.35m
宽	0.70m
高	0.54m
重量	127kg

Fixed jib top	x1
Length	3.35m
Width	0.70m
Height	0.54m
Weight	127kg

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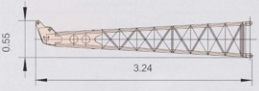
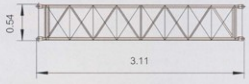
主要零部件运输尺寸

Dimensions for Transportation

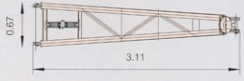
尺寸单位：m　　Unit: m



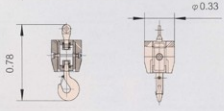
副臂基础臂节	x1	Fixed jib foot	x1
长	3.24m	Length	3.24m
宽	0.61m	Width	0.61m
高	0.55m	Height	0.55m
重量	78kg	Weight	78kg



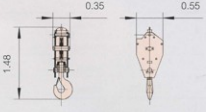
3米中间臂节	x3	3m jib insert	x3
长	3.11m	Length	3.11m
宽	0.61m	Width	0.61m
高	0.54m	Height	0.54m
重量	125kg	Weight	125kg



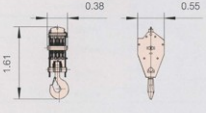
副臂撑架	x1	Fixed jib strut	x1
长	3.11m	Length	3.11m
宽	0.68m	Width	0.68m
高	0.67m	Height	0.67m
重量	164kg	Weight	164kg



6吨吊钩	x1	6t Hook block	x1
长	0.78m	Length	0.78m
宽	0.33m	Width	0.33m
高	0.33m	Height	0.33m
重量	181kg	Weight	181kg



15吨吊钩	x1	15t Hook block	x1
长	1.48m	Length	1.48m
宽	0.55m	Width	0.55m
高	0.35m	Height	0.35m
重量	295kg	Weight	295kg



50吨吊钩	x1	50t Hook block	x1
长	1.61m	Length	1.61m
宽	0.55m	Width	0.55m
高	0.38m	Height	0.38m
重量	480kg	Weight	480kg