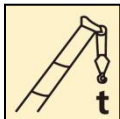


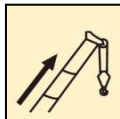
# QY25K5D汽车起重机 / Truck Crane

## 技术规格书

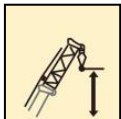
Technical specifications



25t



41m



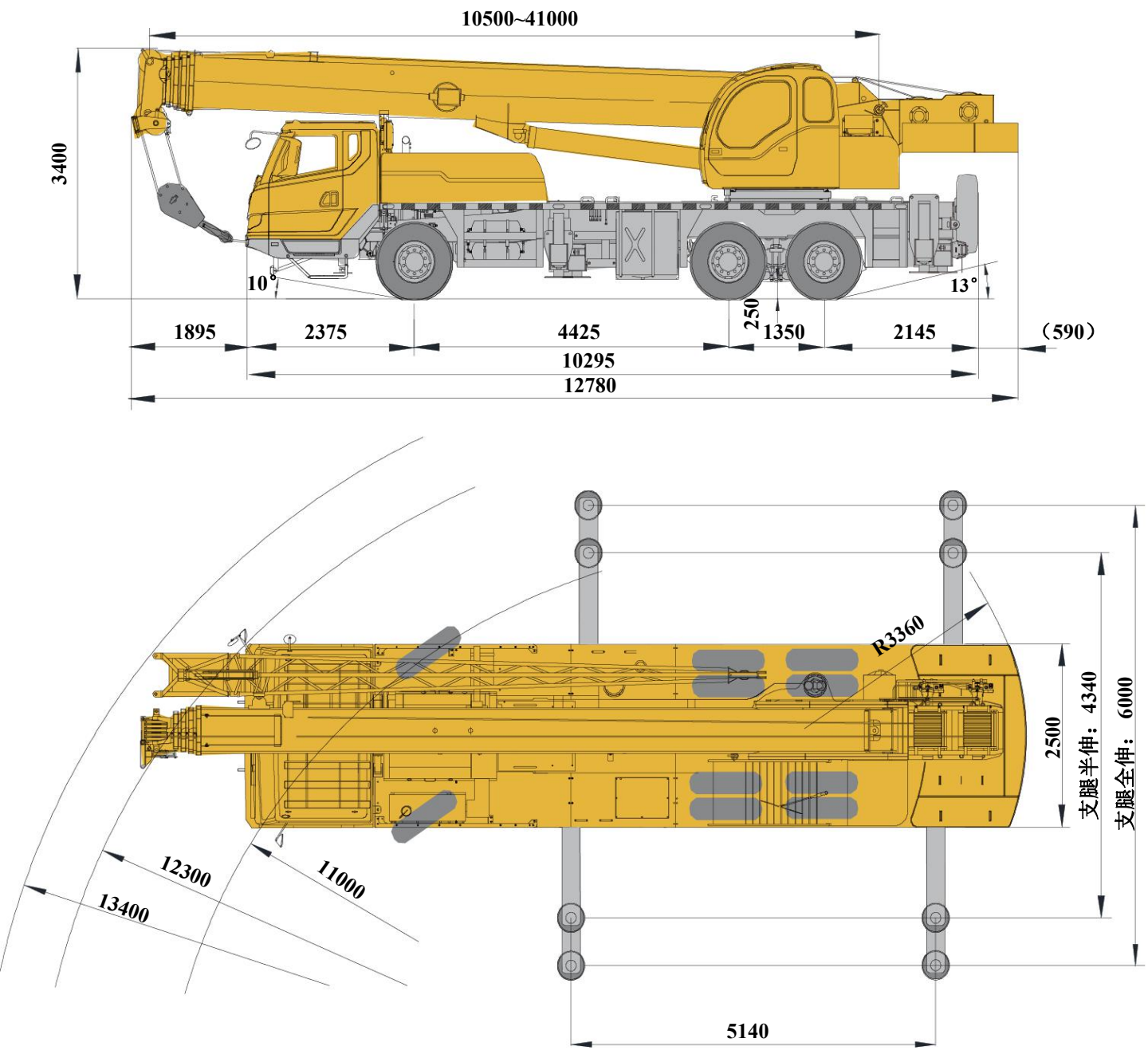
48.5m



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尺寸参数  
Dimensions



技术规格

Technical specifications

|  底盘 | 配置                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 车架                                                                                  | 徐工设计、制造，全覆盖式走台板，防扭转箱型结构，高强度钢材制造。●                                                                                                                                           |
| 支腿                                                                                  | 4支腿；纵向H形布置，操作杆控制液压动作；可由底盘任一侧同时或单独控制各支腿的动作，设有水平仪；带第五支腿；且垂直支腿带有液压双向锁。●<br>支脚盘尺寸：φ400mm<br>最大起重量时支腿反力：310KN                                                                    |
| 发动机                                                                                 | MC07H.32-50，直列六缸水冷电控柴油发动机，重汽，额定功率235kW/2200rpm，最大扭矩1250Nm/1200-1600rpm，国V排放标准。●<br>SC9DF300.1Q5，直列六缸水冷电控柴油发动机，上柴，额定功率221kW/2200rpm，最大扭矩1250Nm/1400rpm，国V排放标准。燃油箱容积：240L。2选1 |
| 变速箱                                                                                 | 法士特8档变速箱，机械操纵，带同步器。●                                                                                                                                                        |
| 车桥悬挂                                                                                | 配置汉德高强度车桥，2,3桥驱动。●<br>前悬架：纵置钢板弹簧，筒式减震器；后悬架：橡胶悬架，V型推力杆导向。●                                                                                                                   |
| 轮胎                                                                                  | 10个轮胎，1个备胎，前桥装单胎，中桥、后桥装双胎。●<br>轮胎规格：11.00R20或11.00-20                                                                                                                       |
| 制动                                                                                  | 行车制动：双回路气压制动，作用于所有车轮。●<br>驻车制动：弹簧贮能制动，作用于2-3轴车轮。●<br>辅助制动：发动机排气制动。                                                                                                          |
| 转向                                                                                  | 机械式转向机构，带有液压助力。●                                                                                                                                                            |
| 驾驶室                                                                                 | 全宽驾驶室，乘员2人；配置可调式座椅、方向盘、安全玻璃、3只雨刷器、电动门窗升降器、杂物箱、空调。●                                                                                                                          |
| 电气系统                                                                                | 直流24伏特，串联12伏特的电池组2个；●<br>发电机28伏特-70安培；<br>GPS车载定位通讯终端；                                                                                                                      |

|  上车 | 配置                                                                          |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 结构                                                                                   | 徐工设计、制造，高强度钢材制造。●                                                           |
| 液压系统                                                                                 | 底盘发动机驱动定量齿轮泵，用于起升、变幅、伸缩。负载敏感式比例多路换向阀，带有抗冲击阀、防气蚀阀；风冷式液压油散热器。●<br>液压油箱容积：474L |
| 操纵方式                                                                                 | 液控先导操纵系统，由左右2个操纵手柄控制，由液压泵和比例阀进行液压先导式控制起重机的全部动作。●                            |
| 主起升机构                                                                                | 液压控制调速，装有双折线绳槽卷筒，由液压马达通过行星齿轮减速器驱动，内置常闭式制动器并带有平衡阀。●                          |
| 副起升机构                                                                                | 液压控制调速，装有双折线绳槽卷筒，由液压马达通过行星齿轮减速器驱动，内置常闭式制动器并带有平衡阀。●                          |
| 回转机构                                                                                 | 四点接触球式回转支承，由液压马达驱动行星齿轮回转机构减速器驱动，可连续回转360°；具有动力控制或自由回转的功能，可无级调速；回转杆设有鸣响开关。●  |
| 变幅机构                                                                                 | 单支双作用前置液压变幅油缸，带有平衡阀。●                                                       |
| 操纵室                                                                                  | 按人机工程学设计，外开式车门，可调式座椅。●<br>装有安全玻璃和顶部保护栏；前窗装有遮阳板；标配冷暖空调。                      |
| 安全装置                                                                                 | 液压平衡阀；液压溢流阀；液压双向锁；力矩限制器；三圈保护器，防止钢丝绳过放；臂头设置高度限位，防止钢丝绳过卷；三色报警灯。●              |
| 安全装置                                                                                 | 风速仪；卷扬监视装置；上车水平仪。○                                                          |

技术规格

Technical specifications



| 臂架系统  | 配置                                                   |
|-------|------------------------------------------------------|
| 主臂    | 5节，“U”形截面的筒形焊接结构；<br>双缸绳排伸缩机构。<br>主臂长度：10.5m～41m。●   |
| 臂端单滑轮 | 单滑轮，安装在主臂顶端用于单股钢丝绳起重作业，起重性能与主臂相同，<br>但最大起重量不超过2.8t。● |
| 固定副臂  | 1节桁架式焊接结构，具有0°、15°、<br>30°三种固定副臂安装角。<br>固定副臂长度：8.3m● |

产品各部件明细如上所述，具体部件明细请  
参照产品报价单

符号说明：

● —— 表示标准配置；

○ —— 表示选装配置。

# 技术规格

## Technical specifications



| Chassis                  | Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Frame</b>             | Designed and manufactured by XCMG, with all covered walking surface, anti-torsion box structure and optimal load-bearing structure design, made of imported high strength steel. ●                                                                                                                                                                                                                                                                    |
| <b>Outrigger</b>         | 4 outriggers, H-shaped arrangement, lateral and vertical outrigger controlled by the hydraulic control. Control levers are located on both sides of the chassis, with a luminous level gauge equipped, with the fifth jack, and the vertical outrigger has two-way hydraulic lock. Outrigger float dimension: φ400mm Max. outrigger reaction force: 310KN ●                                                                                           |
| <b>Engine</b>            | MC07H.32-50, in-line six-cylinder water-cooled EFI diesel engine, manufactured by CNHTC, rated power 235kW /2200rpm, max. torque 1250Nm / 1200-1600rpm, the national V emission standards. ●<br><br>SC9DF300.1Q5, in-line six-cylinder water-cooled EFI diesel engine, manufactured by Shanghai Diesel Engine Co., Ltd., rated power 221kW /2200rpm, max. torque 1250Nm / 1400rpm, the national V emission standards. 2选1<br>Fuel tank capacity: 240L |
| <b>Gearbox</b>           | FAST manually mechanical control, 8-speed available, synchronizer is equipped. ●                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Alxes</b>             | High strength axle with reliable performance from Hande. 2nd axle and 3rd axle for driving. ●                                                                                                                                                                                                                                                                                                                                                         |
| <b>Suspension</b>        | Front suspension: longitudinal leaf spring suspension with barrel shock absorber; Rear suspension: V-type thrust rod structure, and rubber spring suspension. ●                                                                                                                                                                                                                                                                                       |
| <b>Tires</b>             | 10 tires and 1 spare tire, front axle is equipped with single tire, middle axle and rear axle are equipped with double tire. Tire specifications: 11.00R20 or 11.00-20 ●                                                                                                                                                                                                                                                                              |
| <b>Brakes</b>            | Service brake: double-circuit air pressure brake, acting on all wheels. ●<br>Parking brake: spring energy brake, acting on wheels of 2-3 axles.<br>Auxiliary brake: engine exhaust brake and engine in-cylinder brake.                                                                                                                                                                                                                                |
| <b>Steering</b>          | Mechanically steering mechanism with hydraulic power assisted. ●                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Driver's cab</b>      | Full-dimension driver's cab, two passengers are allowable. Equipped with adjustable seats, steering wheel, safety glasses, electrically controlled windshield washer, electrically operated door window and glove box. Heater and air conditioner are available. ●                                                                                                                                                                                    |
| <b>Electrical system</b> | 24V DC, two sets of battery. ●<br>Generator: 28V-70 A<br>GPS Vehicle mounted positioning communication terminal                                                                                                                                                                                                                                                                                                                                       |



| Superstructure                | Configuration                                                                                                                                                                                                                                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Frame</b>                  | Designed and manufactured by XCMG; made of high-strength steel. ●                                                                                                                                                                                                                                                             |
| <b>Hydraulic system</b>       | Quadruple pump is driven by the engine. constant delivery pump is used for lifting, elevating, telescoping and slewing; Load sensitive proportional multi-way change valve, impact-resistant valve and anti-cavitation corrosion valve are equipped. Air-cooled hydraulic oil radiator; Volume of hydraulic oil tank: 474L. ● |
| <b>Operating mode</b>         | Hydraulic pilot control of all crane movements using two control levers. All crane movements are controlled by hydraulic pump and proportional valve. ●                                                                                                                                                                       |
| <b>Main winch system</b>      | Hydraulic controlled speed regulation, groove drum is equipped, driven by hydraulic motor through planetary gear reducer, and built-in normally closed brake and counterbalance valve are available. ●                                                                                                                        |
| <b>Auxiliary winch system</b> | Hydraulic controlled speed regulation, groove drum is equipped, driven by hydraulic motor through planetary gear reducer, and built-in normally closed brake and counterbalance valve are available. ●                                                                                                                        |
| <b>Slewing system</b>         | Four-point ball contact slewing ring. Slewing system is driven by hydraulic motor, with planetary gear reducer, for 360° continuous rotation, stepless slewing speed regulation is available. Horn button is equipped on the control lever. ●                                                                                 |
| <b>Elevating System</b>       | Single-supported double acting front-mounted hydraulic elevating cylinder, with balance valve equipped. ●                                                                                                                                                                                                                     |
| <b>Operator's cab</b>         | Ergonomic cab design, with swing-out doors, safety glass, sun visor, adjustable seats and protective rails equipped. Air-conditioner is standard. ●                                                                                                                                                                           |
| <b>Safety devices</b>         | Hydraulic balance valve; Hydraulic relief valve; Double-way hydraulic valve; LMI; spring aligning device for joystick; Lowering limiter for preventing wire rope from over-releasing; Anti-two block at boom head for preventing wire rope from over-winding; tri-color warning lamp. ●                                       |
| <b>Safety devices</b>         | Anemometer, winch monitor device; level gauge. ○                                                                                                                                                                                                                                                                              |

技术规格

Technical specifications

|  Boom system                                                                          | Config<br>uration |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>Boom</b> 5-section, U-shape cross section, welding structure.<br>Boom length:10.5m ~ 41m.                                                                          | ●                 |
| <b>Single top</b> Single pulley, fitted on boom head, used for single line operation.Its lifting performance is the same as that for boom, but could not exceed 2.8t. | ●                 |
| <b>Jib</b> 1-section, Lattice jib, welded structure. Three offset angles of 0° , 15° and 30° . Fixed jib length: 8.3m                                                 | ●                 |

Product parts details As mentioned above, please refer to the product quotation for specific parts.

Symbol illustration:

- —standard configuration
- — optional configuration



重量  
Weight



| 车桥<br>Axle | 1   | 2    | 3    | 总重量<br>Total weight |
|------------|-----|------|------|---------------------|
| t          | 7.3 | 12.6 | 12.6 | 32.5                |



| 吊钩<br>Hook | 倍率<br>No. of lines | 吊钩重量<br>Weight kg | 吊钩尺寸<br>Dimensions mm | 备注<br>Remarks                |
|------------|--------------------|-------------------|-----------------------|------------------------------|
| 25t        | 10                 | 297               | 417×450×1175          | 单钩 Single hook , 标配 Standard |
| 2.8t       | 1                  | 55                | 236×236×503           | 单钩 Single hook , 标配 Standard |

作业速度  
Working speeds



| 11.00R 20/11.00-20 | 2.5 ~ 80 | 40% |
|--------------------|----------|-----|



| 作业机构<br>Drive | 作业速度<br>Working speed                                                | 最大单绳拉力<br>Max. single line pull | 钢丝绳直径/长度<br>Rope diameter/ length |
|---------------|----------------------------------------------------------------------|---------------------------------|-----------------------------------|
|               | 0-125 m/min, 单绳, 第四层<br>m/min, single line,4th layer                 | 28 kN                           | 14 mm/180 m                       |
|               | 0-125 m/min, 单绳, 第四层<br>m/min, single line,4th layer                 | 28 kN                           | 14mm/105 m                        |
|               | 0-2.5 r/min                                                          |                                 |                                   |
|               | 从-2°抬起至80°约38s<br>Approx. 38s for boom elevation from -2° to 80°     |                                 |                                   |
|               | 从10.5m伸出至41m约93s<br>Approx. 93s for boom extension from 10.5m to 41m |                                 |                                   |



臂架组合方案  
Boom / Jib combinations

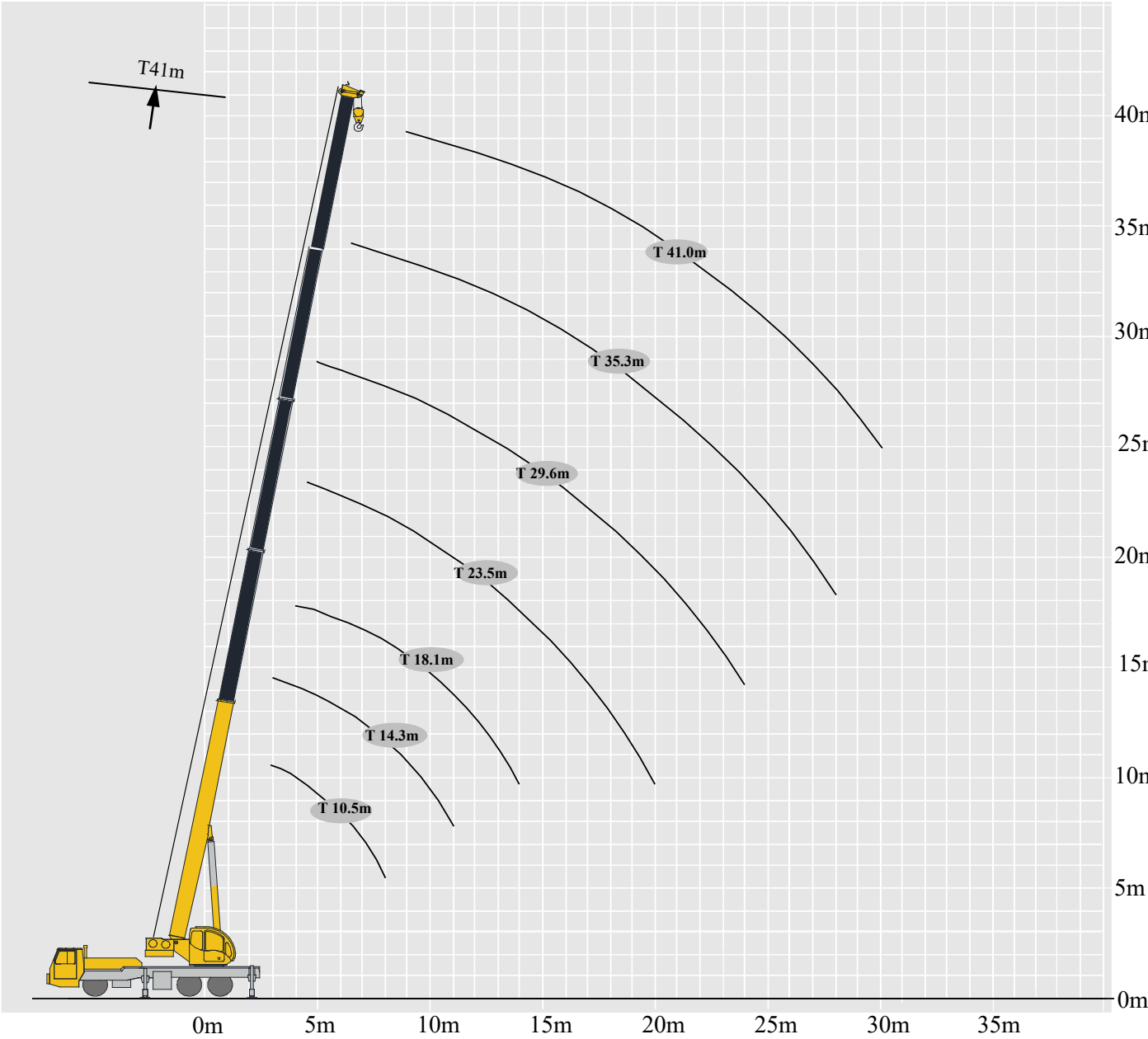


主臂  
Telescopic boom

T: 10.5~41m

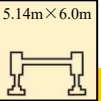
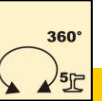
副臂  
Jib

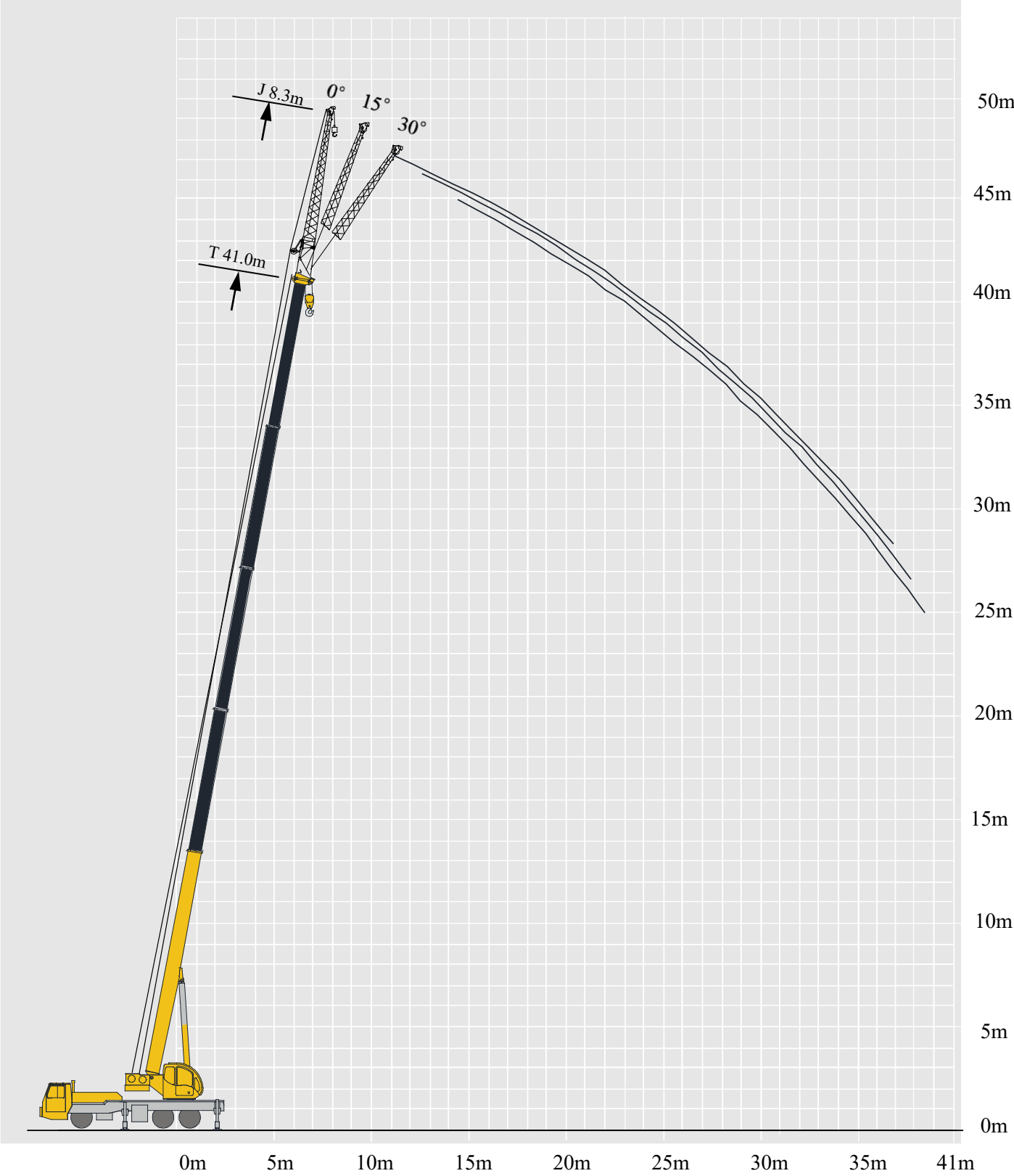
T: 10.5~41m  
J: 8.3 m



起重性能表  
Lifting capacities

T 10.5~41.0m

| <div><div></div><div><div>10.5-41.0m</div><div></div></div><div><div>5.14m×6.0m</div><div></div></div><div><div></div><div></div></div><div></div></div> |       |       |       |       |       |       |       |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-----|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10.5m | 14.3m | 18.1m | 23.8m | 29.6m | 35.3m | 41.0m |     |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 25000 | 25000 |       |       |       |       |       | 3   |
| 3.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 25000 | 25000 |       |       |       |       |       | 3.5 |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 24500 | 24600 | 19500 |       |       |       |       | 4   |
| 4.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 22800 | 22600 | 19500 | 16600 |       |       |       | 4.5 |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 20500 | 21200 | 18600 | 16500 | 13000 |       |       | 5   |
| 5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18500 | 19200 | 17300 | 15500 | 12800 |       |       | 5.5 |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16800 | 17300 | 16000 | 14500 | 12800 |       |       | 6   |
| 6.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15600 | 15800 | 14800 | 13500 | 12500 | 9000  |       | 6.5 |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14500 | 14500 | 14200 | 12900 | 11500 | 9000  |       | 7   |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11900 | 11400 | 11100 | 11300 | 11000 | 8900  | 6600  | 8   |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       | 9200  | 8900  | 9800  | 10100 | 8200  | 6500  | 9   |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | 7600  | 7300  | 8100  | 8600  | 7600  | 6200  | 10  |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | 6400  | 6000  | 6800  | 7300  | 7000  | 5800  | 11  |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       | 5000  | 5800  | 6200  | 6500  | 5600  | 12  |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       | 4200  | 5000  | 5400  | 5700  | 5200  | 13  |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       | 3500  | 4300  | 4700  | 5000  | 4900  | 14  |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       | 3700  | 4100  | 4400  | 4400  | 15  |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       | 3200  | 3600  | 3900  | 4050  | 16  |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       | 2400  | 2800  | 3000  | 3250  | 18  |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       | 1800  | 2100  | 2400  | 2600  | 20  |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       |       | 1600  | 1900  | 2100  | 22  |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       |       | 1200  | 1400  | 1650  | 24  |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       |       |       | 1100  | 1300  | 26  |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       |       |       | 850   | 1000  | 28  |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       |       |       |       | 750   | 30  |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |       |       |       |       | 550   | 32  |



起重性能表  
Lifting capacities

T 41.0m+8.3m

| <div><div><div>m</div></div><div><div>41.0m</div><div>T</div></div><div><div>8.3m</div><div>J</div></div><div><div>5.14m×6.0m</div></div><div><div>360°</div></div><div><div>m</div><div></div></div></div> |      |      |      |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|----|
|                                                                                                                                                                                                                                                                                                                                                                                | 0°   | 15°  | 30°  |    |
| 78                                                                                                                                                                                                                                                                                                                                                                             | 2800 | 2500 | 1900 | 78 |
| 75                                                                                                                                                                                                                                                                                                                                                                             | 2800 | 2400 | 1750 | 75 |
| 72                                                                                                                                                                                                                                                                                                                                                                             | 2750 | 2200 | 1700 | 72 |
| 70                                                                                                                                                                                                                                                                                                                                                                             | 2650 | 2100 | 1600 | 70 |
| 65                                                                                                                                                                                                                                                                                                                                                                             | 2100 | 1800 | 1500 | 65 |
| 60                                                                                                                                                                                                                                                                                                                                                                             | 1450 | 1350 | 1400 | 60 |
| 55                                                                                                                                                                                                                                                                                                                                                                             | 950  | 900  | 900  | 55 |
| 50                                                                                                                                                                                                                                                                                                                                                                             | 600  | 550  | 500  | 50 |
| 45                                                                                                                                                                                                                                                                                                                                                                             | 350  | 300  | 300  | 45 |

1. 表中额定总起重量值，是在平整的坚固地面上本起重机能够保证的最大总起重量，包括吊钩和吊具的重量，所以为了估算重物重量，必须减去上述的装置重量。
2. 表中的工作幅度为起吊重物离地时起重物到起重机回转轴线的水平距离，是包括起重臂变形量在内的实际值，因而起吊前应考虑起重臂变形量。
3. 只允许在5级(瞬时风速14.1m/s，风压125N/m<sup>2</sup>)风以下进行作业。
4. 吊重前操作者必须对物体的重量和工作范围了解后选择合适的作业工况，严禁超出表中的数值。幅度及臂长在相邻两个数值之间时，应依据两个数值中较小值确定起重作业。
5. 应按主臂仰角范围作业，即使是空载，也不应使主臂仰角处于范围外，谨防整机倾翻。
6. 表中的主臂长度应要按照每节臂的伸缩要求进行伸出。

1. The total rated loads given in the rated load charts are the maximum lifting capacity when the crane is set up on firm and level ground, which includes the weight of the hook block and slings. The weight of above-mentioned devices should be deducted to correctly calculate the load weight.
2. The working radius shown in the rated load charts is the radius when the load is lifted off the ground, and it is the actual value including loaded boom deflection.
3. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14.1 m/s, wind pressure is 125 N/m<sup>2</sup>).
4. Before beginning lifting operation, the operator should know the weight of the load to be lifted and its working range, and then select proper working conditions. Never operate the crane beyond the limit shown in the chart. Use the lower value from the chart when the boom length or working radius is between the range of values.
5. Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried. Otherwise, the crane will tip.
6. The boom length given in the rated load charts should accord with the telescoping code of boom sections .

符号标识

Description of symbols

常规标识

General symbols

|                                                                                    |                                  |                                                                                     |                                                     |
|------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------|
|    | 上车<br>Superstructure             |    | 底盘<br>Chassis                                       |
|    | 起重能力<br>lifting capacity         |    | 车桥<br>Axle                                          |
|    | 吊臂长度<br>Boom length              |    | 行驶速度<br>Driving speed                               |
|    | 工作幅度<br>Radius                   |    | 爬坡能力<br>Gradability                                 |
|    | 吊臂仰角<br>Boom position            |    | 轮胎<br>Tyres                                         |
|   | 主臂起升高度<br>Hoist height with Boom |   | 支腿<br>Outriggers                                    |
|  | 固定副臂长度<br>Fixed jib length       |  | 吊钩<br>Hook block                                    |
|  | 副臂安装角<br>Jib offset angle        |  | 卷扬<br>Winch                                         |
|  | 副臂起升高度<br>Hoist height with jib  |  | 使用第五支腿360°全回转<br>360° rotation with 5th jack        |
|                                                                                    |                                  |  | 不使用第五支腿侧后方作业<br>Over side or over rear of the crane |



主要技术参数表

Transportation plan

| 类别<br>Category     | 项目<br>Item                                         | 单位<br>Unit  | 参数<br>Parameter             |
|--------------------|----------------------------------------------------|-------------|-----------------------------|
| 尺寸参数<br>Dimensions | 外形尺寸（长×宽×高）<br>Outline size（length×width×height）   | mm          | 12780×2500×3400             |
|                    | 轴距<br>Wheel base                                   | mm          | 4425+1350                   |
|                    | 轮距（前/后）<br>Track（Front/ Rear）                      | mm          | 2059/1834                   |
|                    | 前悬/后悬<br>Front/ Rear overhang                      | mm          | 2375/2145                   |
|                    | 前伸/后伸<br>Front/ Rear extension                     | mm          | 1895/590                    |
| 重量参数<br>Weight     | 最大允许总质量<br>Total weight in travel                  | kg          | 32500                       |
|                    | 轴荷<br>Axle load                                    | 一轴 1st axle | 7300                        |
|                    |                                                    | 二轴 2nd axle | 12600                       |
|                    |                                                    | 三轴 3rd axle | 12600                       |
| 动力参数<br>Power      | 发动机型号<br>Engine model                              | ——          | MC07H.32-50<br>SC9DF300.1Q5 |
|                    | 额定功率/转速<br>Engine rated power/rpm                  | kW/(r/min)  | 235/2200<br>221/2200        |
|                    | 最大净功率/转速<br>Max. net power/rpm                     | kW/(r/min)  | 232/2200<br>219/2200        |
|                    | 最大输出扭矩/转速<br>Engine rated torque/rpm               | N.m/(r/min) | 1250/1200-1600<br>1250/1400 |
| 行驶参数<br>Travel     | 最高车速<br>Max. travel speed                          | km/h        | ≥80                         |
|                    | 最低稳定车速<br>Min. travel speed                        | km/h        | 2.5 ~ 3                     |
|                    | 最小转弯直径<br>Min. turning diameter                    | m           | ≤22                         |
|                    | 臂头最小转弯直径<br>Min. turning diameter at boom tip      | m           | ≤26.8                       |
|                    | 最小离地间隙<br>Min. ground clearance                    | mm          | 250                         |
|                    | 接近角<br>Approach angle                              | °           | 10                          |
|                    | 离去角<br>Departure angle                             | °           | 13                          |
|                    | 制动距离（制动初速度为30km/h）<br>Braking distance（at 30 km/h） | m           | ≤10                         |
|                    | 最大爬坡能力<br>Max. grade ability                       | %           | ≥40                         |
|                    | 百公里油耗<br>Fuel consumption per 100 km               | L           | 30                          |
| 噪音<br>Noise        | 加速行驶机外噪声<br>Exterior noise level                   | dB(A)       | ≤84                         |
|                    | 驾驶员耳旁噪声<br>Noise level at seated position          | dB(A)       | ≤90                         |

主要技术参数表  
Transportation plan

| 类别<br>Category                       | 项目<br>Item                                                                 |                                      | 单位<br>Unit   | 参数<br>Parameter |      |
|--------------------------------------|----------------------------------------------------------------------------|--------------------------------------|--------------|-----------------|------|
| 主要性能参数<br>Main<br>performance        | 最大额定总起重量 Max. total rated lifting capacity                                 |                                      | t            | 25              |      |
|                                      | 最小额定工作幅度 Min. rated working radius                                         |                                      | m            | 3               |      |
|                                      | 转台尾部回转半径<br>Turning radius at turntable<br>tail                            | 平衡重处 Counterweight                   | mm           | 3360            |      |
|                                      |                                                                            | 副卷处 Auxiliary winch                  | mm           | —               |      |
|                                      | 最大起重力矩<br>Max. load moment                                                 | 基本臂<br>Base boom                     | kN.m         | 1005            |      |
|                                      |                                                                            | 最长主臂<br>Fully-extended boom          | kN.m         | 672             |      |
|                                      |                                                                            | 最长主臂+副臂<br>Fully-extended boom + Jib | kN.m         | 465             |      |
|                                      | 支腿跨距<br>Outrigger span                                                     | 纵向 Longitudinal                      | m            | 5.14            |      |
|                                      |                                                                            | 横向 Lateral                           | m            | 6.0             |      |
|                                      | 起升高度<br>Hoist height                                                       | 基本臂<br>Base boom                     | m            | 9.8             |      |
|                                      |                                                                            | 最长主臂<br>Fully-extended boom          | m            | 40.1            |      |
|                                      |                                                                            | 最长主臂+副臂<br>Fully-extended boom + Jib | m            | 48.5            |      |
|                                      | 起重臂长度<br>Boom length                                                       | 基本臂<br>Base boom                     | m            | 10.5            |      |
|                                      |                                                                            | 最长主臂<br>Fully-extended boom          | m            | 41.0            |      |
| 最长主臂+副臂<br>Fully-extended boom + Jib |                                                                            | m                                    | 49.3         |                 |      |
| 副臂安装角 Jib offset angle               |                                                                            | °                                    | 0、15、30      |                 |      |
| 工作速度参数<br>Working speed              | 起重臂起臂时间 Boom raising time                                                  |                                      | s            | ≤38             |      |
|                                      | 起重臂全伸时间 Boom fully extended time                                           |                                      | s            | ≤93             |      |
|                                      | 最大回转速度 Max. slewing speed                                                  |                                      | r/min        | ≥2.5            |      |
|                                      | 支腿收放时间Outrigger<br>extending and retracting time                           | 水平支腿<br>Outrigger beam               | 收 Retracting | s               | ≤30  |
|                                      |                                                                            |                                      | 放 Extending  | s               | ≤35  |
|                                      |                                                                            | 垂直支腿<br>Outrigger jack               | 收 Retracting | s               | ≤35  |
|                                      |                                                                            |                                      | 放 Extending  | s               | ≤40  |
|                                      | 起升速度（单绳,第四层,<br>空载）<br>Hoisting speed (single line,<br>4th layer, no load) | 主起升机构 Main winch                     |              | m/min           | ≥125 |
| 副起升机构 Auxiliary winch                |                                                                            | m/min                                | ≥125         |                 |      |
| 噪声<br>Noise                          | 机外辐射 Exterior noise level                                                  |                                      | dB (A)       | ≤108            |      |
|                                      | 司机位置处 Noise level at seated position                                       |                                      | dB (A)       | ≤85             |      |



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