



◀ SQZ7000

折臂式汽车起重机

TRUCK CRANE



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样本仅供参考, 公司保留随技术改进而修改参数及部件的权力。

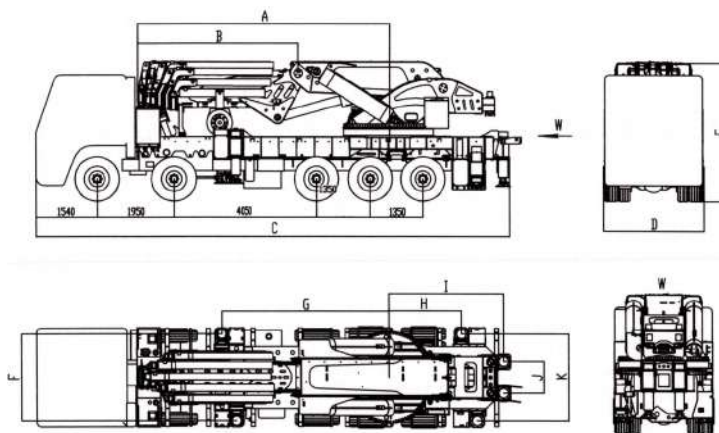
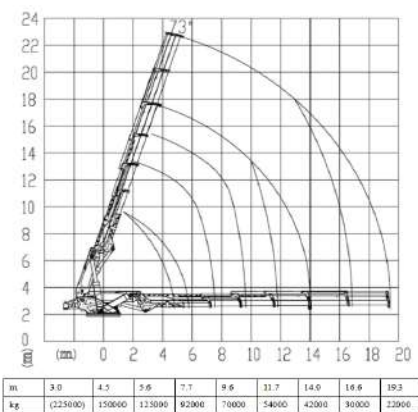
All specifications are subject to technical modifications without notice.

## ■ 主要特点简介 Brief introduction of main features

1. 臂架：六节伸缩臂，3节双推，具有较强的起升能力及带载伸缩能力，工作幅度大，工况适应性更强，可减少移车次数，提高作业效率；伸缩油缸增加缓冲设计，保证伸缩平稳顺畅、方便精准作业。
2. 转台：可伸缩的配重机构，提供更好的作业稳定性；最大30t平衡配重，可自由组合、自装自卸，简单快捷。
3. 回转机构：三个大扭矩减速机，回转动力强，制动效果好，保证回转更平稳，作业更安全。
4. 下车结构：一体化方箱车架+6支腿设计，使吊机有强大的全方位作业能力；可实现侧方最大起重110t。
5. 液压系统：比例控制，有很好的微动性和联动性，方便设备的定位安装；伸臂采用差动系统，效率更高；采用徐工专用宽温液压油（-23℃~88℃），可以实现冬季夏季通用。
6. 电气系统：配置力矩系统、防倾覆控制系统、作业警示系统、夜间照明系统及无线遥控，提高作业安全及操纵舒适性。
7. 整车：自重轻，不超限，完全符合法规要求；车身短，转弯半径小，有利于小空间移动；高度低，可自由进出各类车间厂房。

1. Boom: six boom extensions, the expansion of three boom extensions are controlled by double cylinders, have large lifting capacity and telescoping capacity with load, large operating range and strong adaptability to working conditions can reduce the frequency of moving vehicle and improve working efficiency. Buffer design is used for extension cylinder to ensure smooth expansion and accurate operation.
2. Column: equipped with telescopic counterweight mechanism which provide better operation stability. The maximum counterweight is 30t, it can be combined freely, simple and quick.
3. Rotation mechanism: three large torque reducers, with strong power and good braking ability, ensure smooth rotation and safer operation.
4. Lower vehicle structure: square box frame and six-leg design enable the crane to have a strong and all-round operation capacity, the maximum side lifting capacity is 110tons, can rotate 360° with the maximum lifting load of 80 tons.
5. Hydraulic system: proportional control makes this machine has good micro motion and linkage, convenient for positioning and installation of equipment. Telescopic system adopts regeneration system, which makes work efficiency higher. XCMG special hydraulic oil (-23℃~88℃) can be used in winter and summer.
6. Electrical system: equipped with moment limiting system, anti-overturning system, operational alarm system, night lighting system and radio remote control, improve operation safety and comfort.
7. Vehicle: Light weight and does not exceed the carrying capacity of vehicle, fully comply with the requirements of laws and regulations. Short body and small turning radius are easy to move in a narrow space. Low height design makes the machine freely access to all kinds of workshops.

作业曲线图 OPERATION GRAPH



|      |            |
|------|------------|
| Unit | SQZ7000    |
| A    | 6376-19324 |
| B    | 4076-17824 |
| C    | 12053      |
| D    | 2550       |
| E    | 3481       |
| F    | 2950-7700  |
| G    | 6100       |
| H    | 1843       |
| I    | 2919-3876  |
| J    | 792        |
| K    | 2192-7700  |

## ● MAIN PARAMETERS

| 项目 Item                            | 单位 Unit | 参数 Parameters            |
|------------------------------------|---------|--------------------------|
| 最大起重力矩 Max.lifting moment          | t·m     | 704                      |
| 最大起升质量 Max.lifting capacity        | kg      | 150000                   |
| 最大工作幅度 Max.working range           | m       | 19.3                     |
| 最大起升高度 Max.lifting height          | m       | 22.1                     |
| 变幅范围 Amplitude range               | °       | 0-73                     |
| 回转角度 Slewing range                 | °       | 全回转 Continuous slew      |
| 支腿跨距 Outtrigger extension width    | mm      | 7700                     |
| 外形尺寸(长宽高) Overall dimension(L×W×H) | mm      | 12053*2550*3481          |
| 最大总质量 Max.total weight             | kg      | 53000                    |
| 推荐功率 Recommended power             | kw      | Crane ≈150, Chassis >320 |

## ● HYDRAULIC SYSTEM PARAMETERS

| 项目 Item                            | 单位 Unit | 参数 Parameters |
|------------------------------------|---------|---------------|
| 系统额定流量 Rated System Flow           | L/Min   | 160           |
| 额定工作压力 Rated Working Pressure      | MPa     | 30            |
| 液压油箱容积 Hydraulic Oil Tank Capacity | L       | 800           |

## ● MAIN CONFIGURATION PARAMETERS

| 项目 Item                    | 单位 Unit        | 参数 Parameters                                                                                                                                     |
|----------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 底盘 Engine                  | 型号 Model       | T7H                                                                                                                                               |
|                            | 发动机 Engine     | MC11.44-50                                                                                                                                        |
|                            | 轴数 Axle number | 五桥 Five axles                                                                                                                                     |
| 最大配重 Maximum counterweight | kg             | 30000                                                                                                                                             |
| 吊钩 Hook                    |                | 双吊钩 Double hook (100+30t)                                                                                                                         |
| 回转机构 Rotation mechanism    |                | 三减速机驱动 Three reducers                                                                                                                             |
| 安全系统 Safety system         |                | 防倾覆系统 Anti-overturning system                                                                                                                     |
| 照明系统 Lighting system       |                | 8 LED Lamps                                                                                                                                       |
| 操纵系统 Operation system      |                | 上下车一体式遥控十字摇杆式手柄，带显示屏、点熄火，配重锁定功能<br>Remote control: cross joystick handle, with monitor. Support engine start/off and counterweight lock function. |
| 散热系统 Cooling system        |                | 标配双散热器<br>Standard equipped with double radiators                                                                                                 |
| 选配 Optional                |                | 5吨卷扬(8倍率 40吨)、手动臂、鹅头臂<br>5-ton winch (8 ratio 40 tons), Manual boom, goose-neck boom                                                              |

## Safety device features' description

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buffered hydraulic cylinder stroke  | Buffer design plays a role in reducing impact, improving accuracy, extending life, reducing noise, improving stability and protecting the hydraulic system in the telescopic cylinder, which is the key to ensure efficient and stable operation of the crane.                                                                                                                                                         |
| Retractable counterweight mechanism | The retractable counterweight mechanism significantly improves crane efficiency and safety by improving stability, increasing flexibility, optimizing performance, improving safety, saving space and reducing energy consumption.                                                                                                                                                                                     |
| Ultra torque reducer                | High torque reducer by increasing the output torque, reducing the speed, improving the accuracy, protecting the motor, adapting to various working conditions, improving efficiency, enhancing reliability and saving space, the high torque reducer significantly improves the performance and reliability of the equipment, and is widely used in heavy industry.                                                    |
| Six-outrigger supporting system     | The six legs significantly improve crane performance and safety by enhancing stability, increasing load capacity, increasing flexibility, improving safety, adapting to a variety of operating conditions, and facilitating transportation and installation. They are suitable for a variety of complex operating environments .360° rotation operation with a maximum side lifting of 110t and a maximum load of 80t. |
| Six-section lifting boom            | The working range is large, the working condition is more adaptable, the number of moving can be reduced, and the working efficiency can be improved.<br>3 double push, with strong lifting capacity and load expansion capacity                                                                                                                                                                                       |
| Electronic safety system            | Equipped with moment limiter, anti-flip control system, operation alarm system, night work lighting system and remote control system, enhancing the working security and comfort significantly.                                                                                                                                                                                                                        |
| Proportion-control hydraulic system | Proportional control, with good micromobility and linkage, convenient positioning and installation of equipment. Equipped with differential system, higher efficiency; equipped with XCMG special wide temperature hydraulic oil (-23°C~88°C), can be used in tough temperature condition.                                                                                                                             |