

XGC88000

履带起重机

XGC88000履带起重机产品亮点

三个独立的动力单元，动力强劲，施工效率高

THREE INDEPENDENT POWER UNITS WITH HIGH POWER AND HIGH EFFICIENT OPERATION

徐工XGC88000前、后车采用三个独立的动力单元设计，每个动力单元内装有641KW（860hp）美国进口康明斯发动机，动力强劲；动力箱内部空间大，方便安装维修。每个动力单元都可作为移动式液压动力工作站，在整机装卸过程中当做动力源进行工作，提高装配效率。三个动力单元实现互为备用。

XGC88000 adopts design of three independent power units. Each power unit equips with 641KW (860hp) U.S. Cummins engine with strong power; the spacious power box space is easy for maintenance and repair work. Each power unit acts as movable hydraulic power working station and can work as power source during crane assembly/disassembly process to improve assembly efficiency. The three power units can work as spare power unit for each other.



灵活的整机运行方式，减少地基处理面积

FLEXIBLE CRANE TRAVEL TYPE TO REDUCE GROUND TREATMENT AREA

徐工 XGC88000 履带起重机具有回转、直线行走、蟹行行走、十字行走多种移动模式，减少地基处理面积；

XGC88000 has several moving mode, such as swing, straight travel, crab travel, cross travel, etc. which reduces ground treatment area;

相比于轮胎式超起小车，履带式后车承载能力更强，对地面要求低。整个吊装过程无需增减配重，省时省力；

Compared with tyre type superlift carrier, the crawler type rear carriage has heavier loading capacity and less ground condition requirement. The whole lifting operation needs no counterweight change, which saves labor and time;

采用后车行走，推动前车回转的方式。大负荷吊重时，较大的推动力，保障平稳回转；

It adopts mode of rear travel pushing front crane swing. During heavy load lifting operation, the large pushing force ensures stable swing;

优化的后配重组合方式：后车配重摆放采用多堆组合摆放方式，后车满配重 2900 时，最大高度为 9.7m。配重离地更低，回转、行走时自身稳定性好，对整机冲击较小。

Optimized rear counterweight combination type: the rear counterweight adopts multiple compile combination type, the max. height 9.7m for full rear counterweight 2900t. Lower counterweight clearance ensures good self-stability during swing and travel and less compact to crane.

组合式双臂架系统，抗侧载能力强

DOUBLE BOOM SYSTEM, STRONG SIDE LOAD RESISTANCE

徐工 XGC88000 采用组合式双臂架结构设计，具有如下优势：

XGC88000 adopts double boom system, which has the following advantages:

本机采用组合式双臂结构，臂架间采用常规臂节连接方式，使组装方便快捷；

The conventional boom connection method of the double boom structure makes assembly more convenient;

组合式双臂结构相对单臂，更符合臂架受力规律，对臂架侧向刚度有非常大的提高；

Compared with single boom, the double boom structure is more accord with boom force applying principle, and greatly improves boom side rigidity.

自平衡系统的应用，整机运行可靠性高

HARDWARE UPGRADE FOR PERFECT PERFORMANCE

徐工 XGC88000 采用组合式双臂架结构设计，具有如下优势：

Multilevel balance type swing system

多级平衡式组合回转机构

①采用回转支承 + 多级平衡可调式台车，降低回转支承受力，大大提高整机侧向稳定性；

②平衡式台车保证 8 组轮子受力相同，使回转轨道及地基受力均匀，避免局部受力过大，造成结构损坏；

Multilevel balance type swing system

① It adopts slewing bearing + multilevel balance type adjustable crane to reduce bearing force on slewing bearing and greatly improve crane side stability.

② The balance type crane ensures equivalent applied force on the 8 groups of tyres, so that the force applied on swing rail and ground is even, which will avoid structural damage due to large force on one position.

提篮式多级平衡拉板装置

①配重拉板的多级平衡装置，对地面不均匀下沉，保证整机结构受力在受控范围内，场地适应性强；有效消除由于地面不平整及行走震动产生的力。

②双臂架之间采用平衡拉板，保证超起桅杆双臂受力均匀，有力保证了吊载时整机结构件安全。

③提篮式大跨度四点连接方式，保证后车行走稳定性，保证整机吊装稳定性及行走稳定性。

Basket type multilevel balance pendant device

① The multilevel balance device of counterweight pendants sinks unevenly unto the ground, which makes the crane structural applied force is within the controllable area, featuring strong ground adaptability; effectively eliminate the force caused by uneven ground and travel.

② The balance pendant between the two booms ensures equivalent applied force of superlift mast double boom, and crane structural parts safety during lifting operation.

③ The basket type large span four-point connection type ensures rear carrier travel stability, crane lifting stability and travel stability.

变幅绳双绳力系平衡技术

XGC88000 履带起重机两个超起变幅卷扬，两变幅卷扬钢丝绳绳头连接成一体，保证两变幅卷扬单绳拉力一致，保证主臂双臂结构之间受力一致，避免受力不均导致臂架整体损坏，提高整机作业安全性。

Luffing rope double rope force balance technique

The rope end of the two superlift luffing winches and two luffing winches are connected to ensure luffing winch single line pull consistent, and the applied force between the two boom structure consistent, and to avoid boom structure damage due to uneven applied force and improve crane operation safety.

XGC88000履带起重机技术参数 Main technical parameter

项目Item	单位Unit	数值Value
最大额定起重量 Max. lifting capacity	t	3600
重型主臂最大长度 Max. heavy boom length	m	120
轻型主臂最大长度 Max. light boom length	m	144
专用副臂最大长度 Max. special jib length	m	33
塔式副臂最长度 Max. tower jib length	m	108
发动机功率 Engine output power	kw	3 × 641
最大单件运输重量 Max. single unit transport weight	t	65