

## **The details parameters of Sany STC1000C truck crane**

Sany STC1000C truck crane adopts creative counterweight pushing technology. With full-counterweight of 32.5t, when counterweight is pushed backwards for 860mm, stability of the boom can be improved by up to 24%, thus improving lifting capacity and stability.

### **Powerful Lifting Capacity**

The 100t truck crane has six-section boom of high strength steel structure and optimized U-shaped cross section with max.lifting capacity of 100t, full-extended boom length of 60m, jib length of 18.1m, max.lifting height including jib of 78.1m, reduce weight and improve safety significantly.

Jib mounting angles are 0°, 15°, and 30°, which ensure fast and convenient change-over between different operating conditions so as to improve working efficiency of the machine.

### **Efficient & Unique Hydraulic System**

Self-developed dual-pump converging / diversion main valve is used. Converging flow of the single-action dual-pump ensures fast operation and high efficiency; combined-action dual-pump diversion system is applied to ensure stable controllability;

Electric proportional variable displacement piston pump is used to ensure high-accurate flow control, higher efficiency and energy saving.

### **Excellent Traveling Performance**

5-axle chassis with multiple braking modes are applied to provide more reliable traveling performance; The use of tipping over early-warning technology guarantees high stable and safe operation.

### **Intelligent Electronic Control**

Self-developed controller SYMC special for engineering machinery is configured. The adoption of CAN-bus full-digital network control technology ensures stable control signal, simple harness, and high reliability. Timely feedback of data information can achieve the monitoring of the overall working status in real time.

### **Load Moment Limiter**

Equipped with the comprehensive intelligent protection system is used with accuracy within 5%. The adoption of comprehensive logic and interlock control system ensures more safe and reliable operation.

### **More Safe Devices**

Main and auxiliary winches are equipped with over roll-out limiter to prevent over rolling-out of wire rope.

Boom and jib ends are equipped with height limiters respectively to prevent over-hoisting of wire rope.