

SANY SY75C-9 Excavator | Real Strength of A Regular Champion

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In June 2015, based on the data of 28 major excavator companies, SANY excavators hit the top of Chinese construction excavator industry in sales. And the best-selling product is the SANY SY75C-9 excavator. Now let's get close to this champion product once again.

Since it was put into market in 2008, SANY SY75C has been highly recognized by the users with its stable operating performance. It has topped in sales among products with similar tonnage and model in the industry for many consecutive years and deserves the title of "regular champion".

Basic Parameters

Overall operation weight: 7,280kg

Standard bucket capacity: 0.28

Bucket digging force: 56KN

Stick digging force: 38KN

Travel speed: 4.4/2.4km/h

Rotating speed: 11.5rpm

SANY SY75C-9 uses Isuzu engine with a rated power of 40.9kW, which is in line with the Euro II emission standards. A new controller is used to precisely control fuel injection in a real-time manner, so that the fuel can burn more fully. Thus, it consumes less fuel and is more environmentally friendly than the previous generation of products when the operating efficiency is equal. The engine has three power modes (B, S, L), which can be shifted by one button on the display according to the needs of different conditions. This setting can not only meet the requirements of efficient high-load operations, but also meet energy-saving requirements. The full vehicle operating parameters can be monitored in real-time, and the protection procedure will be operated automatically when any abnormal case (temperature, pressure, etc.) is detected.

Hydraulic System

SANY SY75C-9 adopts a load-sensitive hydraulic system which is developed with manufacturers of hydraulic parts to achieve precise and adjustable flow control of the complex hydraulic system and enhance system stability. The system has an excellent micro operation performance and a strong fine operational capacity.

Frame-X-shaped Lower Frame

Meanwhile, SANY SY75C-9 excavator has improved stability and reliability. Enhanced X-shaped lower frame (compared with the H-shaped lower frame, it has a more reasonable structural design and more advantages in excavator driving safety and reliability) and standard enhanced work apparatus are used to present more stable overall performance, to extend the service life of structural parts by 10%, and to lower the failure rate.

Perfect Matching

SANY SY75C-9 uses the latest DOMCS dynamic optimization intelligent matching control system developed by SANY to achieve perfect matching between the power system and the hydraulic system and drive system. The power system can adjust for the most economic output based on the real-time conditions, so that the hydraulic system can maximize the absorption and utilization of engine output power and pass it to the work apparatus in a low-loss manner, reducing energy loss and improving operating efficiency by increasing the coordination of complex movements by the working apparatus and by enhancing the coordination and speeds of such movements. To continuously increase the excavator construction efficiency, SY75C-9 uses the original DOMCS dynamic optimization intelligent matching control system and the new hydraulic system to maximize the use of engine output and perform stronger actions.

Three Performance Advantages

Energy Saving and Environmentally Friendly: Engine in line with the Euro II emission standards and new controller to precisely control fuel injection in a real-time manner, so that the fuel can burn more fully and the machine consumes less fuel than the previous generation of products under equal efficiency

Efficient and Endurable: Original DOMCS dynamic optimization intelligent matching control system and new hydraulic system to maximize the use of engine output and perform quicker and stronger actions;

Stable and Reliable: Enhanced X-shaped lower frame and standard enhanced work apparatus to present more stable overall performance and extend the service life of structural parts by 10%.

In the domestic small excavator market, SANY SY75C-9 excavator has remained king of excavator products with similar tonnage in sales for years. Clearly, SANY SY75C-9 crawler excavator has real strength to boast of.

Source: SANY Europe GmbH