



SY75C

Engine power
42.4kW/2000rpm

Bucket capacity
0.28m³

Operating weight
7380kg



Powerful and reliable performance



High efficiency and excellent operability



Strong and sturdy



SANY HEAVY MACHINERY LTD

<http://www.sanyglobal.com>

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More powerful



Advantages of YANMAR engines: Energy-saving environmental-friendly engines exclusively for SANY are widely used and well recognized by the customers. It is sturdy, durable and fuel-saving, is fitted with low-cost spare parts and is convenient for maintenance. It should be the first choice for the excavator.



Hengli main pump has pressure cut-off functions to reduce the overflow loss, and the maximum flow of the hydraulic system can reach 148 L/min.



Equipped with Husco main valve, SY75C ensures safety, reliability and outstanding performance.



Quality

Completely sealed – the driver's cab's improved seal makes it a real comfort zone, keeping out noise, dust, exhaust gases, etc.



User experience

Always optimally configured – it is easy to program different attachment devices, which saves time and money when changing them. The machine's modern interior ensures maximum comfort and therefore facilitates fatigue-free work. In addition, the Bluetooth interface allows operators to connect their mobile phone to the factory-fitted speakers to answer calls or play music.



Dimensions

Optimal design – the undercarriage and structure are perfectly coordinated. The position of the boom also means that the excavator can lift higher loads over longer reaches than comparable machines in this weight class.



Safety

Everything in sight – the protected rear camera gives an accurate image of the surrounding area. The driver can see these images on the high-resolution display directly in their field of vision.



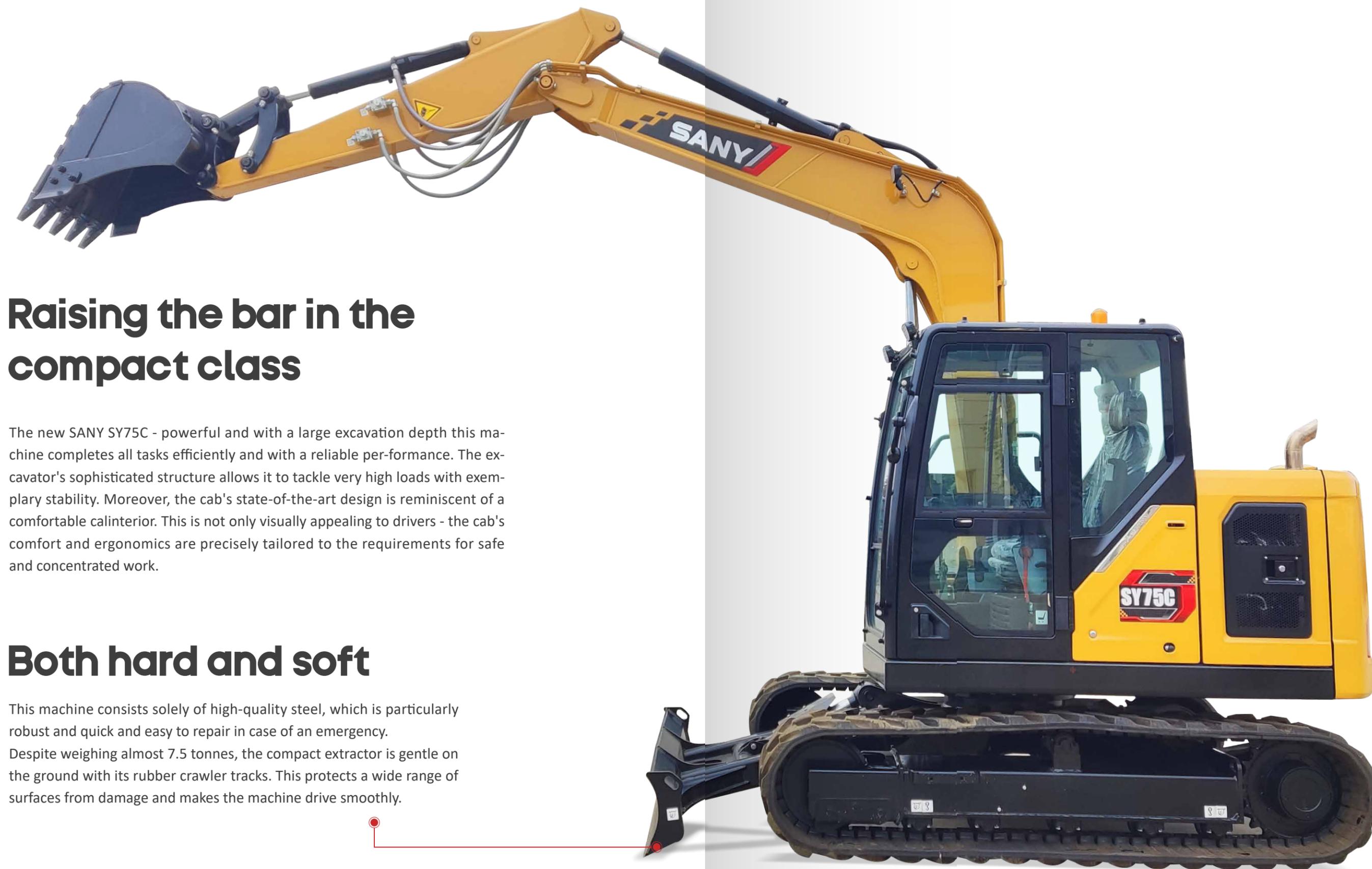
Components

Powerful and clean – the high-torque Yanmar engine delivers full power in every situation. In addition, with its tailored exhaust treatment, the machine achieves emission standard 5 without any difficulty.



Economy

Designed for maximum efficiency – the intelligent load-sensing hydraulic system always knows precisely how much hydraulic power is required for each task and delivers precisely the amount of oil needed.



Raising the bar in the compact class

The new SANY SY75C - powerful and with a large excavation depth this machine completes all tasks efficiently and with a reliable performance. The excavator's sophisticated structure allows it to tackle very high loads with exemplary stability. Moreover, the cab's state-of-the-art design is reminiscent of a comfortable interior. This is not only visually appealing to drivers - the cab's comfort and ergonomics are precisely tailored to the requirements for safe and concentrated work.

Both hard and soft

This machine consists solely of high-quality steel, which is particularly robust and quick and easy to repair in case of an emergency. Despite weighing almost 7.5 tonnes, the compact excavator is gentle on the ground with its rubber crawler tracks. This protects a wide range of surfaces from damage and makes the machine drive smoothly.

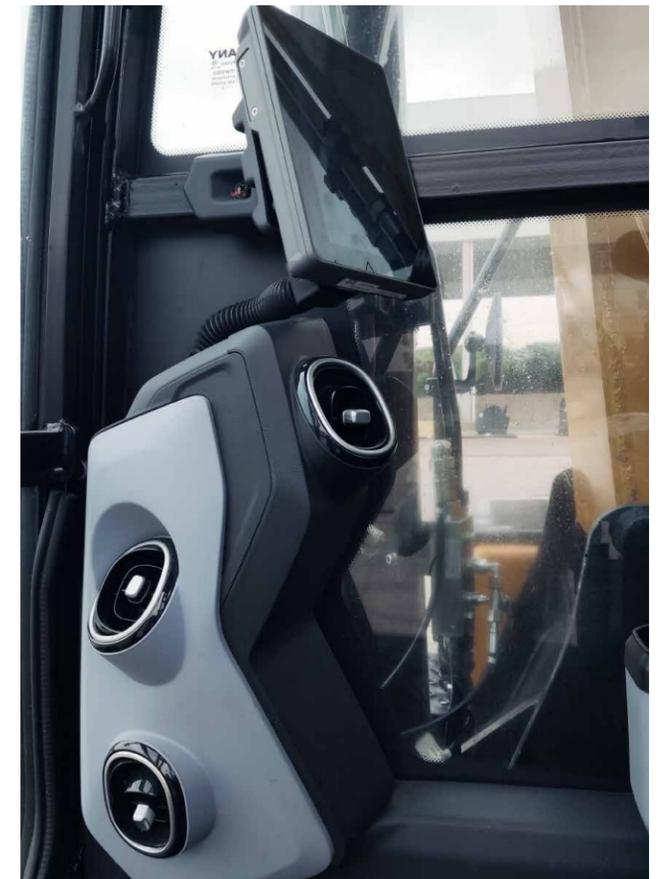


Comfortable driving

The cab, air conditioner and seats are newly upgraded. The sealing has been greatly improved, leading to better cooling effects. The new seat cushion features an adjustable inclination angle and seat depth, with mechanical lumbar support for enhanced comfort.

The new 7" touch screen integrates, air conditioning and other functions, combining technologies and intelligence for a more user-friendly experience.

With high-grade trim parts, a wide view, suspended seat, excellent vibration damping and noise reduction performance, the driving experience will be more comfortable. Fully-automatic dual-purpose air conditioner outputs air in stereoscopic mode, ensuring a more comfortable interior climate. Cigar lighter, cup holder, file box and reading lamp all are included for a perfect experience.



Complete research & development and test system

SANY has established a complete machine endurance test center with full functions. Each model of excavator must be subjected to over 2,000h field excavating test.

Key components like working device, cab and hydraulic components , etc. must be subject to fatigue test over 800,000 times.



Advanced manufacturing technology

SANY has an RGV assembling line and fullautomatic welding robots, and possesses high precision machining equipment and a precise machining center.

SANY's manufacturing and assembling lines won a five-star national site recognition in 2013 and national quality award in 2014. In 2023, SANY Mini Excavator Factory was awarded as the intelligent factory.



Safety configuration

Safety configuration of national standard

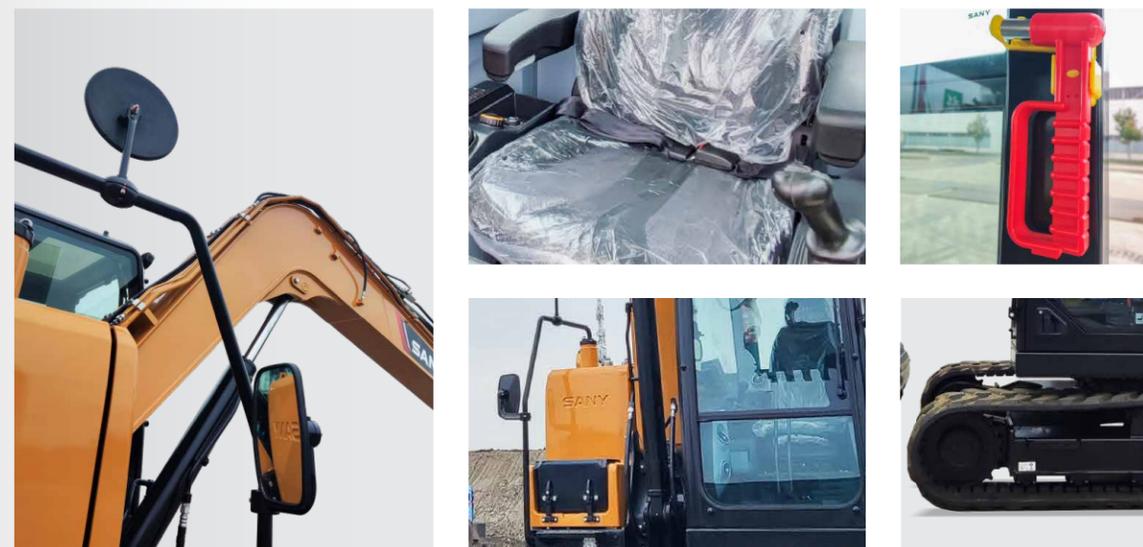
Meet safety standards of many regions including China, EU , North America , etc.

SY75C cab adopts ROPS and FOPS structural design and is certified with ROPS and FOPS.



Safety facilities

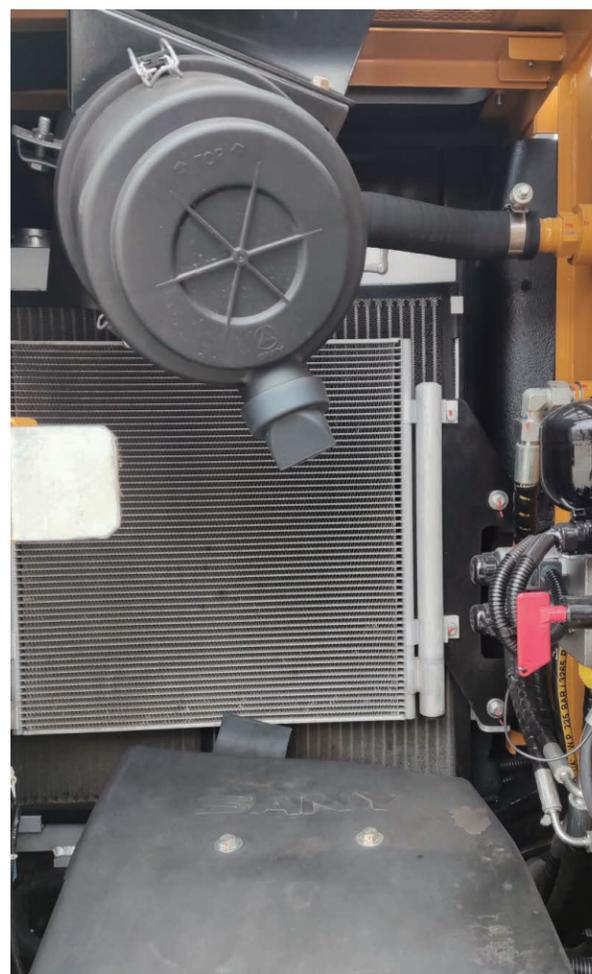
- Safety fences on the right of the cab
- Escape hammer
- Handrails for boarding the vehicle and large-area rearview mirror
- Seat belt and safety signs
- Safe superstructure pedal



Convenient maintenance

The high-torque drive unit is particularly fuel efficient, without sacrificing any performance. The driver can simply choose the optimal operating mode for different applications. For instance, you can switch from maximum power to maximum efficiency via touch operation and this will be reflected in the fuel costs. Another feature which saves time and costs is the fact that hydraulic quick-coupler is already included ex-works as standard and is incorporated into the overall operating concept. This makes it quick and easy to change attachment devices at the construction site and neatly incorporates this function into the overall operation of the machine.

Tried-and-tested Hengli technology is used for the machine's hydraulics. It can deliver up to 148 litres per minute, which is sufficient even for major tasks. Depending on the application, the load-sensing hydraulic system ensures that the machine always delivers precisely the amount of hydraulic power requested by the operator.



Technical specifications

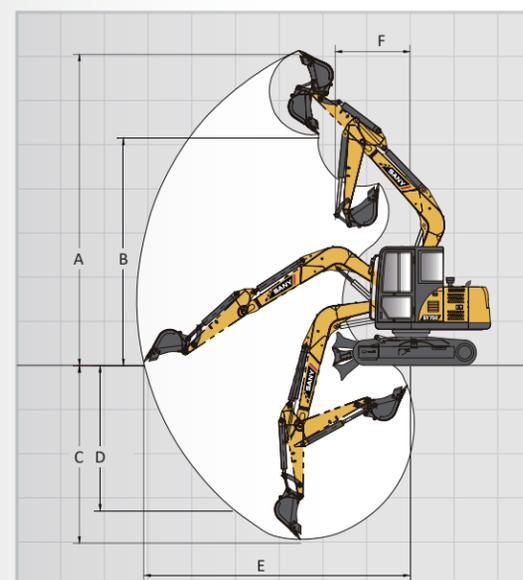
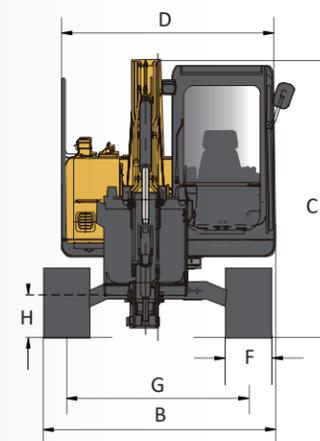
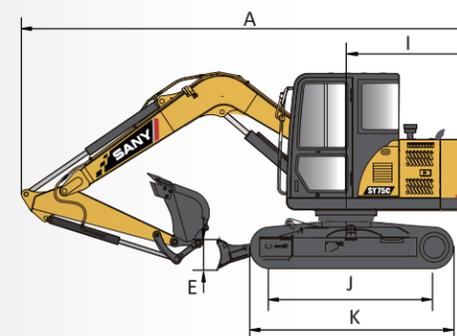
Specification		Main performance	
Operating Weight	7380 kg	Swingspeed	10 rpm
Engine	YANMAR	Max. Travel Speed	High 4.5 km/h slow 2.5 km/h
Model	4TNV98C	Max. Travel Force	61.4 kN
Type	Water-cooled, 4 cylinder, with commonrail and DPF	Bucket Capacity	0.28 m ³
Engine Power	42.4 kw/ 2000 rpm	Groundpressure	0.33 kg/cm ²
Maximum Torque	241 Nm/ 1300 rpm	Grade Capability (maximum)	35°
Displacement	3.319 L	Bucket Digging Force Iso	53 kN
Batteries	2x12 V/ 80 Ah	Arm Digging Force Iso	35 kN
Hydraulics	Load Sensing with Pilot Control	Swing Motor	Axial Piston with Swing Brake
Main Hydraulic Pump	Axial Piston – Variable Displacement	Swing Pressure (maximum)	26.3 Mpa
Operating Flow (maximum)	148.0 L/min	Swing Speed (maximum)	10 PPM
Operating Pressure (maximum)	26.3 MPa	Undercarriage (standard)	Belted Rubber Track
Travel Motor	Axial Piston with Park Brake	Track Shoe width (standard)	450 mm
Travel Pressure (maximum)	26.3 MPa	Track Rollers (per side)	5
Travel Speeds (maximum)	2.5/4.5 km/hr	Carrier Rollers (per side)	1
Service Refill Capacities			
Fuel Tank Capacity	150 L	Hydraulic Tank Capacity	120 L
Engine Oil Capacity	10.2 L	Cooling System Capacity	14.5

Lifting capacity table

		Radius				Digging reach			
Load point height	A	1.0m		3.0m		5.0m		Max.	
		←	↑	←	↑	←	↑	←	↑
6.0 m	kg			1385	1385			1210	1210
5.0 m	kg							1020	1020
4.0 m	kg			1315	1315	1060	1060	950	950
3.0 m	kg			1710	1710	1460	1225	930	930
2.0 m	kg			2275	2275	1585	1190	950	950
1.0 m	kg			2790	2400	1715	1155	960	950
Groundline	kg			3085	2315	1815	1125	1105	980
-1.0 m	kg	2105	2105	3138	2275	1805	1115	1300	1070
-2.0 m	kg	3415	3415	2955	2280			1680	1275
-3.0 m	kg			2395	2340			1885	1820

		Radius				Digging reach			
Load point height	A	1.0m		3.0m		5.0m		Max.	
		←	↑	←	↑	←	↑	←	↑
6.0 m	kg			1385	1385			1210	1210
5.0 m	kg					1060	1060	1020	1020
4.0 m	kg			1315	1315	1310	1225	950	950
3.0 m	kg			1710	1710	1275	1190	930	930
2.0 m	kg			2275	2275	1235	1155	950	950
1.0 m	kg			2630	2400	1205	1125	960	950
Groundline	kg			2540	2315	1195	1115	1050	980
-1.0 m	kg	2105	2105	2500	2275			1150	1070
-2.0 m	kg	3415	3415	2510	2280			1370	1275
-3.0 m	kg			2395	2340			1885	1820

Machine dimensions



Dimensions (Transport) (mm)	SY75C
Boom Length	3720
Stick (Arm) Length	2050
A. Transport length	6125
B. Transport width	2300
C. Transport Height	2720
D. Upper Structure Width	2040
E. Blade Height	405
F. Track Width (standard shoe)	450
G. Track Gauge	1750
H. Ground Clearance (minimum)	380
I. Tail Swing Radius	1800
J. Track Length on Ground	2195
k. Track Length	2820

Working Area (mm)	SY75C
Boom Length	3720
Stick (Arm) Length	2050
A. Maximum Digging Height	7390
B. Maximum Dumping Height	5490
C. Maximum Digging Depth	4450
D. Maximum Vertical Wall Digging Depth	3840
E. Maximum Reach at Ground Level	6505
F. Minimum Swing Radius	1940

Standard configuration

Power	Hydraulic pressure	Electrical
S, H, E mode control	Explosion-proof valve	Walking warning device
Dry double element air filter	First set of auxiliary lines	Work alarm light blinking (yellow)
Simple oil filter	Second set of auxiliary lines	Flashing seat belt alarm light (green) (UK standard only)
Simple fuel filter	Mode switching valve	Mains switch
Radiator with protective mesh	Floating dozer	Scram switch
Radiator auxiliary tank	Quick change line	One click lift
Automatic idle system	Multi-function short handle	12V converter
Oil-water separator		Rotating alarm
Fuel filling pump (Standard in European countries)		

Cab	Air conditioner	Debus	Working device
Mechanical suspension seat	Heating and cooling air conditioning	Steel track	Thumb clamp the bucket rod
Rear camera			Bucket
Sunshade			
Cab safety net			
Water cup holder, reading light			
Extinguisher (Australia New Zealand standard only)			

● stands for standard configurations ○ stands for optional configurations

