



SY95C

Engine power

53.7kW/2100rpm

Operating weight

8530kg

Bucket capacity (non-standard)

*0.38m³



High reliability



Excellent performance



Safe & environmental-friendly



Convenient & fast



SANY HEAVY MACHINERY LTD

<http://www.sanyglobal.com>

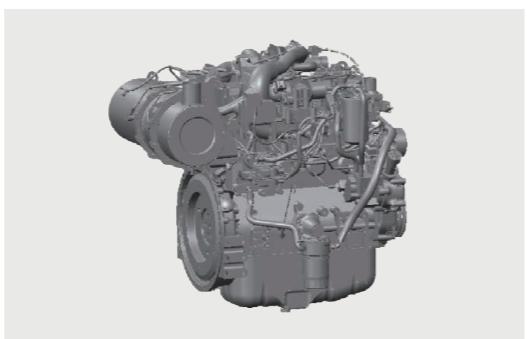
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* Bucket is optional



Strong power

► Adopt SANY special Yanmar engine. The power is strong and the performance is reliable.



► The E-controlled pump can precisely match the engine power to achieve maximum fuel economy efficiency. Using Borgwarner's programmable electronic silicon clutch fan which lower the fuel consumption and noise. The new design of the strengthened structural parts which make the machine have a longer service life.



The core of the best configuration

7" large-sized high-precision air filter as standard configuration, filter precision is up to 99.9%.

Large capacity design, long service life and low maintenance cost.

Electronic alarm device, which is safe and effective.



Standard with large capacity, high filtration accuracy fuel coarse filter and fuel fine filter, double protection, higher filtration efficiency, and the use of long life design make the service life twice longer.

Both coarse filtration accuracy of 4μm and fine filtration accuracy of 5 μm can filter out the small impurities to ensure the safe use of the engine.

Maintenance within easy reach

Air filter, fuel oil coarse filter, fuel oil fine filter, engine oil filter and pilot filter element are within easy reach and can be maintained very conveniently.



Detachable radiator dust screen is convenient to be washed.



Environmental protection friendly

Recycling

All-metal covering part is used, is recoverable and environmental-friendly; the materials liable to pollution like glass fiber reinforced plastics are not used.

SY95C

All-metal covering parts are used



Environmental friendly

The engine meets latest standard of stage V and Tier 4f.

Aluminum radiator and oil cooler are used.

Environmental paint is used to minimize environmental pollution.

Garden-type manufacturing site.



Comfort and easy operation

Adopting new structure and technology, the sealing performance of the cabin has been improved. Equipped with a 7-inch smart display screen, it integrates Bluetooth, USB, phone, radio, and other functions, allowing for free switching between multimedia audio devices. Vehicle status information can be viewed at any time, and the temperature and fan speed of the air conditioning can be controlled through the screen, making it more technologically advanced and intelligent. The air conditioning air duct has been optimized, using a universal damping air outlet, with an improved

layout, providing greater wind speed and stronger cooling effect. The brand new mechanically suspended seat is equipped with an adjustable safety belt. The interior design is completely new, featuring a multifunctional panel, one-button start, and a combination throttle lever. It comes with standard features such as a cup holder, 12V power outlet, USB port, and document pocket.



Strengthen the structure

.01

Arm

Newly designed bucket lever with enhanced overall fatigue resistance, extending lifespan by 20%. Bucket lever end face with laser melted wear-resistant coating for improved wear resistance. Honeycomb high-load, wear-resistant shaft to double the lifespan of moving components.



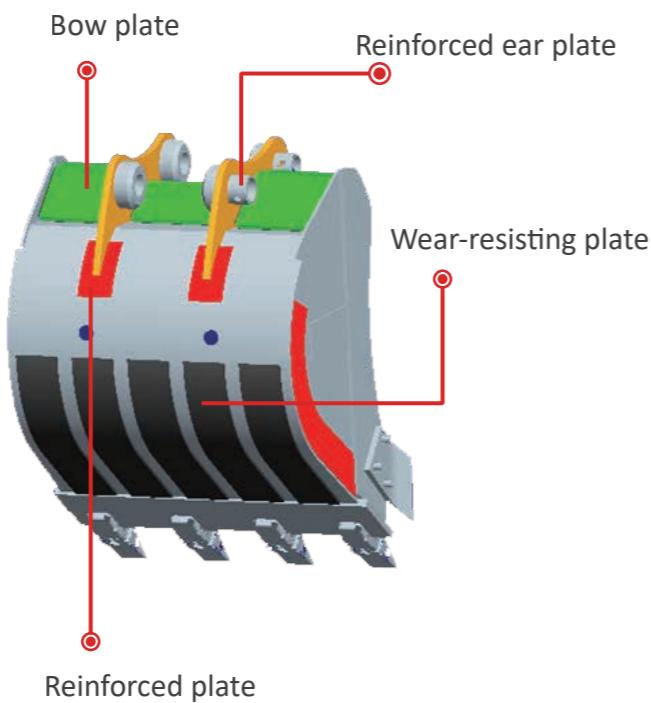
wear-resisting plate+ thickened plate



.02

Bucket (non-standard)

The bucket bottom is equipped with wear-resisting plate, reinforced back plate and ear plate so that its service life is improved by over 50%.



.03

The large cross-section boom structure provides strong rigidity, durability, and improved reliability.

.04

Undercarriage

Carrier wheel is replaced by thrust wheel, which is done for the first time in the industry. The service life is doubled. The fixture of carrier wheel is reinforced on both sides so that the structure is more sturdy, durable and reliable.

Complete research & development and test system

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

SANY's manufacturing and assembling lines won five-star national site 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 standard of many regions including China, EU and North America etc.

SY95C cab adopts ROPS structural design.



Excellent performance

Load-sensitive

SANY utilizes load-sensitive system which features higher operating efficiency, better control performance, excellent flate ground capacity and outstanding microoperation performance and is capable of providing almost perfect operating feeling.

SY95C

Hydraulic system

System characteristics

Advantages and disadvantages

Load-sensitive system

Able to sense tiny change of the load and adjust flowand pressure from time to time for realizing perfect control performance

Movement speed is irrelevant to the load

Special configuration

The SY95C is available in a variety of special configuration options to suit different customer needs.

Arm configuration
2100mm standard arm (standard configuration)
1700mm short arm (optional configuration)

Bucker configuration
No bucket (standard configuration)
0.38m ³ bucket

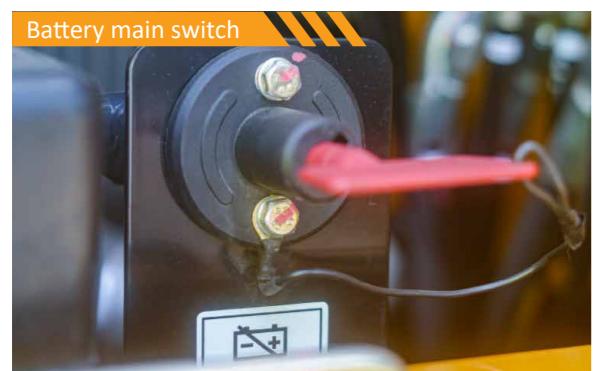
Track configuration
450mm rubber track (standard configuration)

Cab configuration
With air conditioner (standard configuration)

Technical specifications

Specification	Main performance		
Operating weight	8530 kg	Traveling speed (high/low)	4.5/2.5 km/h
Model	Yanmar 4TNV98CT	Swing speed	10.5 rpm
Type	4-cylinder/4-stroke/inline/water cooled/diesel	Gradeability	70%/35°
Engine power	53.7 kW/2100 rpm (SAEJ1995)	Ground pressure	37 kPa
Maximum torque	290 Nm/1350 rpm	Digging force of bucket	63.6 kN
Displacement	3.318 L	Digging force of arm	43.8 kN

Other special configuration



Capacity of oil and coolant	Travelling section		
Fuel tank	160 L	Carrier wheel on each side	1
Hydraulic oil tank	120 L	Thrust wheel on each side	5
Engine oil	10.2 L	Standard crawler	450 mm rubber track
Cooling System	12 L		
Final drive	2×1.2 L		

Table of lifting capacity

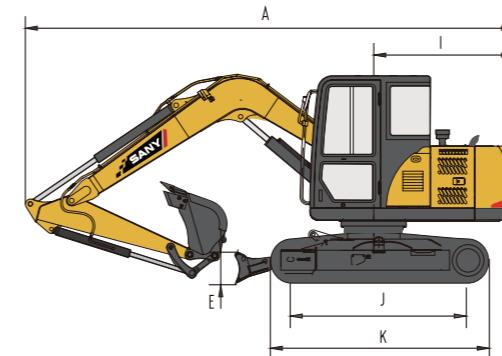
Rated Lift Capacity(Kg)-Dozer blade down								
	3m	4m	5m					MAX.
								
5m				*2500	2300			*1950 *1950
4m				*2550	2300			*1800 1600
3m	*3450	*3450	*2800	2200	*1200	*1200	*1800	1350
2m	*3750	3350	*2800	2100	*1400	*1400	*1850	1250
1m	*4250	3150	*3100	2000	*1700	1450	*1950	1250
0m	*4200	3100	*3300	1950	2000	1400	*2200	1250
-1m	*4350	3050	*3300	1950			*2450	1400
-2m	*3400	3100	*1900	1950			*2500	1700
-3m	*2950	*2950					*2450	*2450

Rated Lift Capacity(Kg)-Dozer blade up								
	3m	4m	5m					MAX.
								
5m				*2500	2300			*1950 *1950
4m				*2550	2300			*1800 1600
3m	*3450	*3450	2700	2200	*1200	*1200	1700	1350
2m	*3750	3350	2600	2100	*1400	*1400	1600	1300
1m	3950	3150	2550	2000	*1700	1450	1550	1250
0m	3850	3100	2500	1950	1800	1400	1600	1250
-1m	3850	3050	2450	1950			1750	1400
-2m	*3400	3100	2500	1950			2150	1700
-3m	*2950	*2950					*2450	*2450

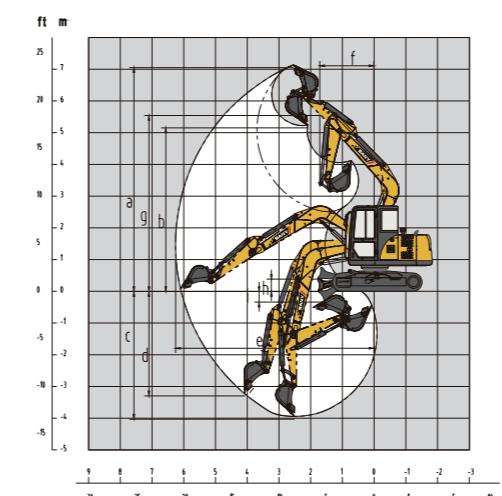
Note:

- 1.* indicates the lifting force limited by the hydraulic system.
- 2.The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacity of the machine.
- 3.Boom length 3920mm, arm length 2100mm, and the bucket is not included.

Machine dimensions



Overall dimensions (mm)	SY95C
A. Overall length (in transportation state)	6560
B. Overall width	2260
C. Overall height (in transportation)	2870
D. Height of bulldozing plate	450
E. Standard track plate width	450
F. Track gauge	1750
G. Minimum ground clearance	365
H. Slewing radius of tail	1885
I. Wheel gauge	2315
J. Track ground contact length	2915
k. Max. bolade height above the ground	380
L. Max. lowering blade depth	320



Operation range (mm)	SY95C
a. Maximum digging height	7500
b. Maximum unloading height	5440
c. Maximum digging depth	4660
d. Maximum digging depth with vertical boom	3220
e. Maximum digging distance	6070
f. Minimum slewing radius	2005
g. Maximum reach at ground level	6940

Standard configuration

Power system	Cab	Traveling body of undercarriage
12V/3kw starter motor	• Soundproof steel structure cab	• Traveling motor guard plate
12V/80A alternator	• Reinforced light glass	• Hydraulic tension device of tracks
Dry type dual element air filter	• Rubber shock absorber	• Driving wheels
Barrel oil filter	• Openable front upper window glass	• Thrust wheels
Barrel diesel filter (Coarse and fine)	• Rear window emergency exit	• Reinforced track with pin seal
Radiator with safety net	• Silent wiper with washer	• 450mm rubber track shoes
Radiator auxiliary water tank	• Mechanical suspension seat	• Bottom cover plate
Fan hood	• AM-FM radio with blue teeth	• Floating bulldozer
Yanmar engine	• Pedals and floor mat	•
Automatic idle system	• Speaker and rearview mirror	•
DPF insulated package	• Seat belt and fire extinguisher	•
	Water cup holder and reading lamp	•
	File box	•
	Pilot controlled cut-off lever	•

Standard configuration

Hydraulic system	Front-end working device	Electrical system
Control valve with overflow valve	• All-welded box-type boom	• 7 inch LCD display
Electric main pump	• Deflection boom	• Rear camera
Return oil filter	• Deflection head	• Two batteries
Suction filter	• Welded linkage rod	• Engine emergency stop switch
Pilot oil filter	• Dust seal ring	• Power master switch
	Pin	• Fuel filling pump
Slewing platform of superstructure	Indicator lamp	Others
Fuel oil level	• Charging indicator lamp	• Breaker pipeline
Hydraulic oil level	• Walking alarm lamp	• Quick couple pipeline
Cathode switch	•	Multi-function handle levers
		Anti-explosion valve of boom and stick

