



# SY26U

**Engine power**  
15.2kW/2500rpm

**Bucket capacity**  
\*0.06m<sup>3</sup>

**Operating weight**  
2760kg



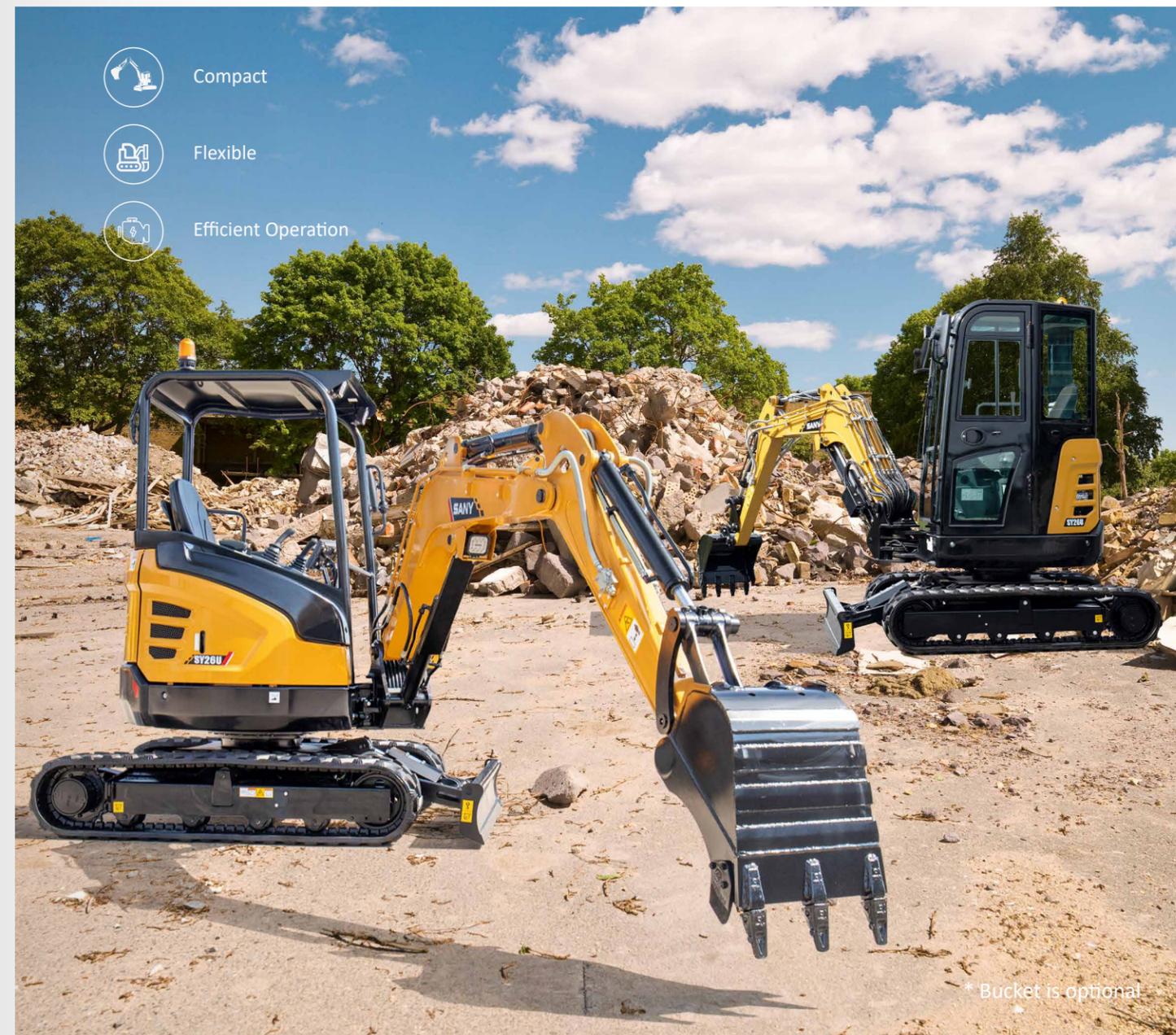
Compact



Flexible



Efficient Operation



\* Bucket is optional



SANY HEAVY MACHINERY LTD

<http://www.sanyglobal.com>

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# The power to get the job done right

The SY26U is equipped with a 3TNV80F 1.267 liter Stage V/Tier 4F engine delivering 15.2kW@2500rpm. Matching engine output to the highest quality hydraulic components allows the independent systems to act as one and maximize fuel efficiency and machine performance.



## ▶ Engine and hydraulic component

Utilizing high-quality engines and hydraulic components, the SY26U performs at the peak of efficiency. The machine has a highly engineered hydraulic system that reduces fuel consumption and provides an efficient balance of the main pump and engine power.

## ▶ Cooling system

The cooling system is sized to match the cooling requirements to the power needs of the most demanding operating conditions. It offers an optimized fan drive coupled with a side-by-side cooler to provide the necessary cooling for the engine and hydraulics.

## ▶ Filter system

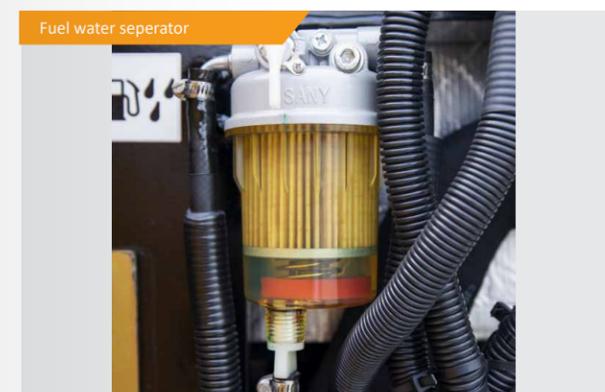
Spin-on fuel water separator, oil filter and dual-element air filtration are standard and easily serviceable.



Radiator with protective net



Engine fuel filter



Fuel water separator



2 stage air filtering system



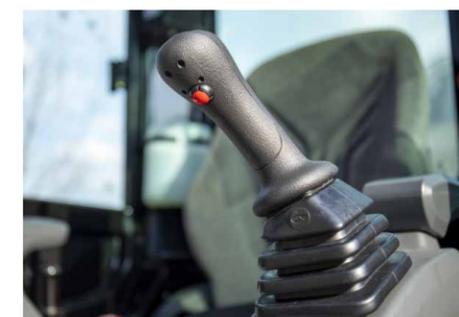
## Operator comfort to maximize your productivity

Any person in any job performs better when provided with suitable working conditions. The SY26U cab provides just such an environment for operators. Our design, which places operator comfort center stage, ensures that the focus remains on the job during the workday.

### Comfort and control come standard

SANY's optimized operator cab provides all-around visibility and is designed to support the operator's natural range of motion. Spacious foot room and an adjustable seat provide an excellent working environment for increased productivity.

- Spacious, ergonomically designed workstation crafted with every operator need in mind.
- Quiet operation.
- Exceptional operator visibility.
- ISO and SAE control patterns, along with standard pattern change valves, enable the operator to set the machine to their desired settings. (Standard in the US, not in Europe)
- Comfortable operator's seat.
- The hydraulic-over-hydraulic pilot system provides smooth feel and precise control.
- Low-effort control levers.



# Hydraulic excavator SY26U hydraulics

With a finely tuned hydraulic system, the SY26U provides a real-time match of flow to the demand and engine power available. You can be certain that the machine will operate at the peak of efficiency.

## Hydraulic features

Excellent feathering-touch with work tools and fine grading through a load-sensitive hydraulic system. Precise control in lifting applications. Smooth use of power during digging. High gyration torque reduction provides high gyration speed and precise movements of the upper structure.

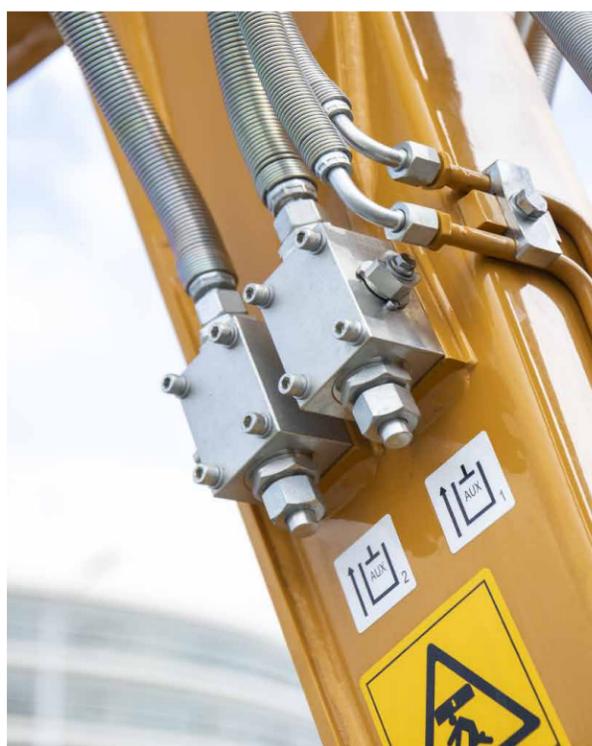
The high output variable displacement axial piston pump delivers a flow rate of 78L/min to provide the hydraulic horsepower necessary to get the work done.



## Additional hydraulic function is the new standard

Responsive two-way auxiliary hydraulics are standard, providing full power for high productivity and precise control. The end is equipped with a ball valve to facilitate the connection of the fittings.

A pattern change valve is standard only in the United States ,Canada,Australia and Brazil.



# Designed to maximize your protection

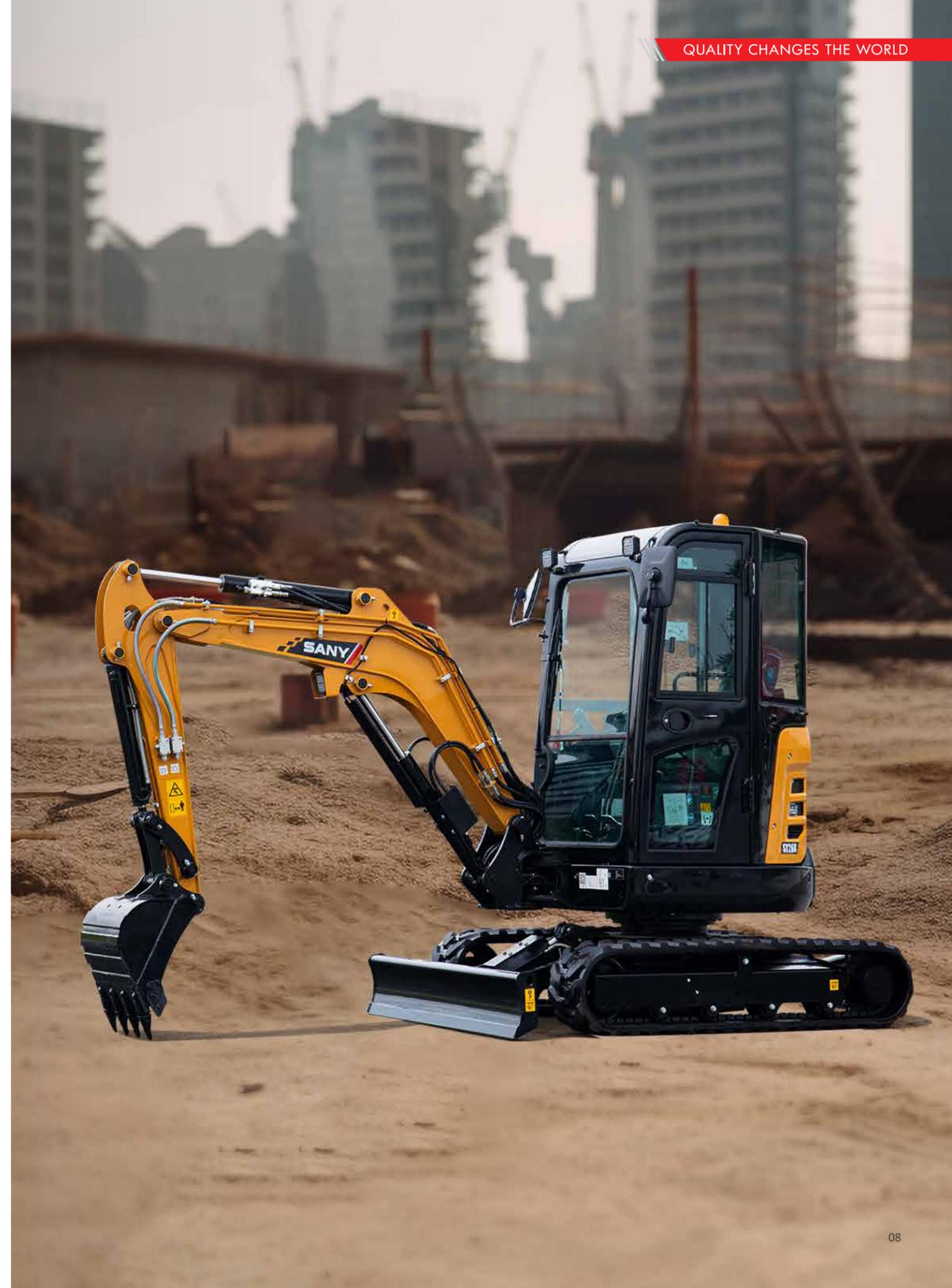
SANY excavators are designed around safe operation and maintenance of the machine. The design of the cab entrance allows for easy entry into and exit from the machine, with strategically placed railings for convenient access to the cab. The comfortable operator compartment allows the operator to be positioned so that he can control the machine effectively and safely. The display , with strategically placed railings for convenient access to the cab.



Quiet operation is key to long hours of work. The SY26U is equipped with a quiet cab environment to ensure that operators can work all day every day they are in the machine. The machines are equipped with standard emergency stop switches as well as other features to aid operators in safe and efficient operation of the machine. The responsive low-effort hydraulic controls ensure the machine responds to the operator's demands in the most smooth and consistent way.



A battery disconnect allows you to disconnect the machine from the main battery power supply when maintaining or storing the machine. The SY26U is designed to aid in smooth and safe operation and maintenance.



# Performance to fit any application

The SANY SY26U excavator is designed to help you work efficiently while maximizing your jobsite productivity. It has many features to help operators achieve the balance of power, smoothness, fuel efficiency and speed.

You can depend on the SY26U to get the job done right and on time.

## 01 Standard aux hydraulics

The SY26U comes standard with auxiliary hydraulic lines plumbed down to the arm tip providing hydraulic power that is ready to use.

## 02 In-cab color monitor

Intuitive, quick communication of key operating parameters. Ability to easily see information about machine set-up and performance.

## 03 Reliable first-class components

Guarantee the easiest and most versatile operation in every working environment.

## 04 Undercarriage components

High quality and durable undercarriage for long life and resistance to wear.

## 05 Optimized cabin

For excellent visibility and maximum operator comfort and control.

## 06 Work harder, more efficiently, and longer

Equipped with a powerful and efficient 3TNV80F. Tier 4f engine with a highly engineered hydraulic system to match engine response.

## 07 Outstanding durability

X-beam design uses a high strength box-section structure for maximum durability and excellent torsionresistant performance.

## 08 Swing boom

Allows the operator to move the boom 65 deg to the left and 45 deg to the right for operation in tight conditions and minimize ground disturbance on the jobsite.

## 09 Simplified service

A key tool for more uptime and reduced cost. Ground level service items aid in quick and easy maintenance.

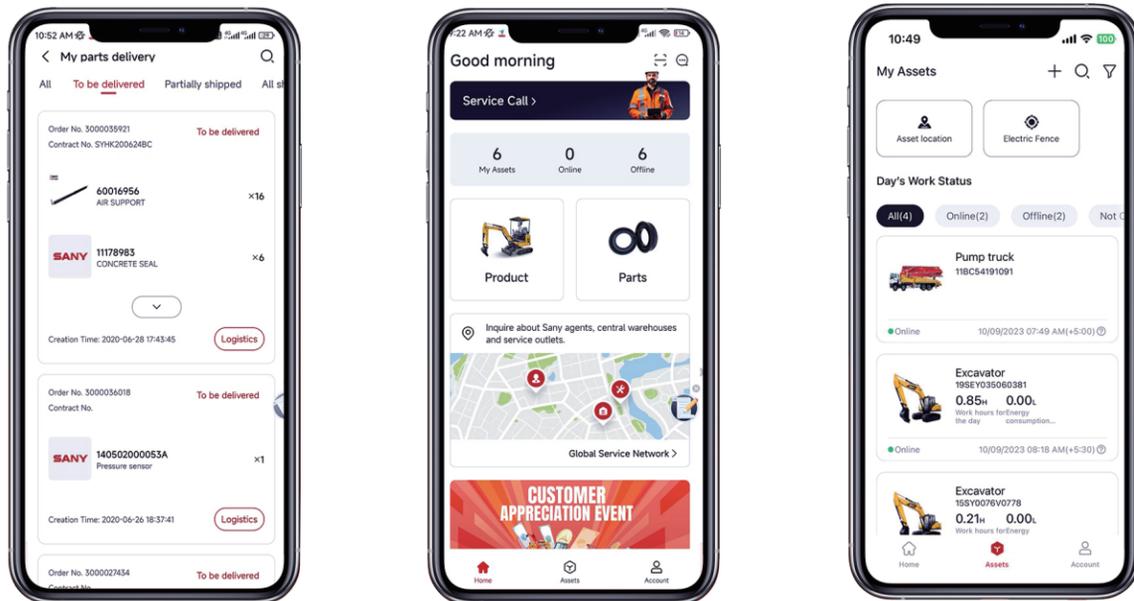
## 10 Dozer blade

Equipped as a standard feature, so that backfilling and finishing operations can be performed easily and efficiently.



# MySANY APP

## Easy use, quick response



### Quick Parts Access

- View parts manuals
- View parts availability
- Check equipment & parts order status

### Fleet Management

- Check equipment working condition
- Monitor equipment energy consumption
- Set up e-fence

### Streamlined Service

- One-click to initiate service request
- Check global service network
- View local service team's phone number & email



Scan to download!

# 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 full automatic 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.



# Technical Specifications

Specification		Service refill capacities	
Operating weight	2760 kg	Fuel tank	34 L
Bucket capacity	0.06 m³(Optional)	Engine coolant	4.1 L
Engine	Stage V/Tier 4f	Engine oil	1.6-3.4 L
Model	3TNV80F	Swing drive	Hydraulic self-lubrication
Displacement	1.267 L	Final drive (each side)	0.6 L
Engine power at rated engine speed	15.2 kW /2500 rpm (SAEJ1995)	Hydraulic oil tank	30 L
Max. torque	63-67.3 N·m /1800 rpm	Bucket digging force	27.9 kN
		Arm crowd force	14.2 kN

Hydraulic system			
Type	Load-sensitive system	Travel circuit	24.5 MPa
	Variable-capacity piston pumps	Swing circuit	19.6 MPa
Maximum flow	78 L/min	Heavy lift circuit	24.5 MPa
Travel	2×axial piston motor with parking brake	Pilot circuit	3.5 MPa
Swing	1×axial piston motor with swing holding brake	Boom cylinder diameter x stroke	75×513 mm
Implement circuits	24.5 MPa	Arm cylinder diameter x stroke	70×493 mm
		Bucket cylinder diameter x stroke	63×481 mm
		Shovel bucket cylinder diameter x stroke	85×125 mm
		Offset cylinder diameterxDistanc	75x357 mm

# Table of lifting capacity

Blade down									
Load Radius	2.0 m		3.0 m		4.0 m		MAX Reach		
Load Point Height									
4.0 m	kg								693 * 514
3.0 m	kg		623*	414					540 * 321
2.0 m	kg		707 *	404	501 *	248			493 * 248
1.0 m	kg		937 *	370	717 *	241			507 * 225
0 m	kg	1521 *	629	1095 *	350	732 *	235		582 * 231
-1.0 m	kg	1807 *	635	1012 *	348				730 * 278
-2.0 m	kg	883 *	692						609 * 507

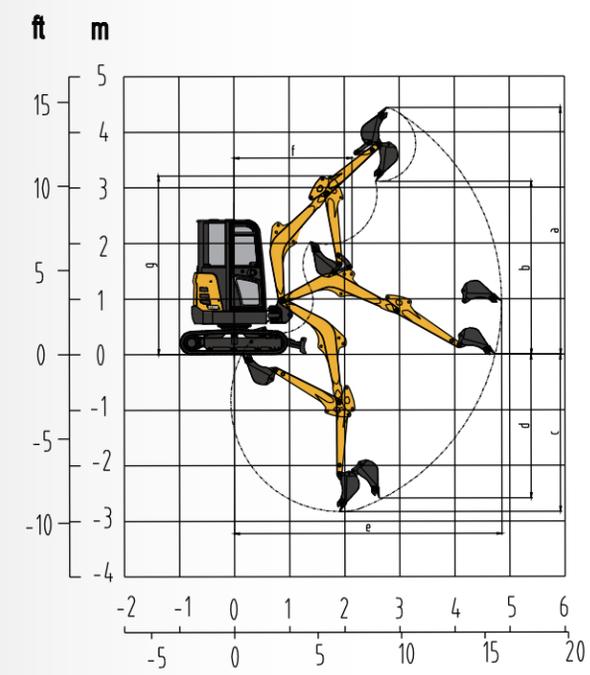
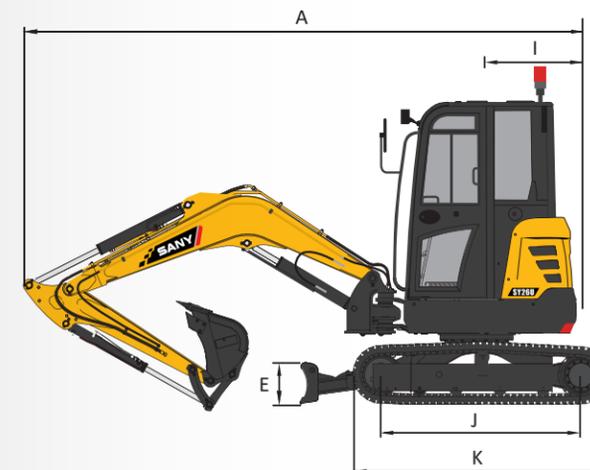
# Table of lifting capacity

Blade up									
Load Radius	2.0 m		3.0 m		4.0 m		MAX Reach		
Load Point Height									
4.0 m	kg							693 *	514
3.0 m	kg		423	414				329	321
2.0 m	kg		412	404	255	248		255	248
1.0 m	kg		386	370	249	241		233	225
0 m	kg	683	629	366	350	243	235	240	231
-1.0 m	kg	688	635	364	348			289	278
-2.0 m	kg	883 *	692					609 *	507

\* Indicates load limited by hydraulic lifting capacity

In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.

# Machine dimensions



## Overall dimensions(mm) SY26U

Boom Length	2100
Stick (Arm) Length	1300
A. Transport Length	4285
B. Transport Width	1550
C. Transport Height	2430
D. Upper Structure Width	1375
E. Shovel Bucket Height	300
F. Track Width (standard shoe)	300
G. Track Gauge	1250
H. Ground Clearance (minimum)	290
I. Tail Gyration Radius	775
J. Grounding Length of Track	1560
K. Track Length	1990 (steel track) 1960 (rubber track)

## Operation range(mm) SY26U

Boom Length	2100
Stick (Arm) Length	1300
a. Maximum Digging Height	4410
b. Maximum Dumping Height	3100
c. Maximum Digging Depth	2820
d. Maximum Vertical Wall Digging Depth	2585
e. Maximum Reach at Ground Level	4850
f. Minimum Gyration Radius	2110

# Technical specifications

Operating Weight	2 760 kg
Ground Pressure	26 kPa
Engine	YANMAR 3TNV80F
Displacement	1.267L
Gross Power	15.2 kW
Hydraulics	Load Sensing with Pilot Control
Main Hydraulic Pump	Axial Piston – Variable Displacement
Operating Flow (maximum)	78.0 L/min
Operating Pressure (maximum)	24.5 MPa
Auxiliary Flow (maximum)	42.5 L/min
Auxiliary Pressure	15/17.5 MPa
Travel Motor	Axial Piston with Park Brake
Travel Pressure	24.5 MPa
Travel Speeds	4.5 / 2.6 km/hr
Travel Effort	21.0 kN
Grade Capability (maximum)	30°
Swing Motor	Axial Piston with Swing Brake
Swing Pressure	19.6 MPa
Swing Speed	10 rpm
Undercarriage (standard)	Belted Rubber Track
Track Shoe Width (standard)	300 mm
Track Rollers (per side)	4
Carrier Rollers (per side)	1

The operating weight includes a 75 kg operator, excluding the bucket.

