

MACHINERY
SPECIALISTS
L I M I T E D

SANY



COMPACT EXCAVATOR
SY60U

Engine:
Yanmar 4TNV98C
Gross Power:
42.4 kW
Operating Weight:
6 300 KG
Max Digging Depth:
3 990 mm

SANY

For challenging tasks, you need a first-class partner

Quality comes from experience. And from new ideas. This is why we combine these two crucial factors at SANY. This is because we are one of the leading producers, having sold more than **450 000** excavators **worldwide**. This means that you can always rely on sophisticated products that have been tried and tested in practice. An impressive **5–7%** of our annual turnover is dedicated to research and development. This is why we give you not only our word, but also our extraordinary **five-year warranty** as a guarantee of how powerful and robust our products are.

450 000

EXCAVATORS SOLD

WORLDWIDE

5–7%

TURNOVER FOR RESEARCH
AND DEVELOPMENT

FIVE-YEAR WARRANTY *

Quality Changes the World



* Applicable in certain markets, please check with your local dealer.



HARD FACTS

Max. bucket digging force
49.1 kN

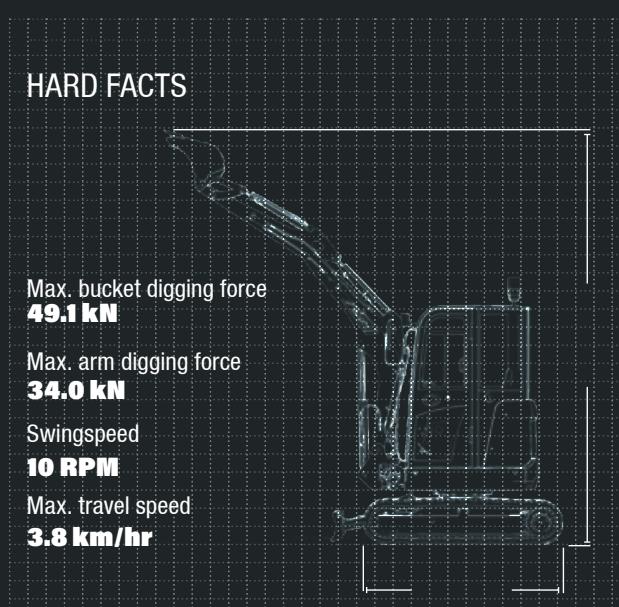
Max. arm digging force
34.0 kN

Swingspeed

10 RPM

Max. travel speed

3.8 km/hr





BIG PERFORMANCE IN A COMPACT PACKAGE.

The SANY SY60U delivers exceptional performance where space is limited. Its minimum tail swing design allows operators to work confidently and efficiently in tight urban environments, roadside projects, and confined construction sites - all without compromising on power or stability.

Perfect for urban development, utility maintenance, landscaping, and hillside work, the SY60U offers excellent maneuverability and visibility, reducing the risk of collision and improving overall site safety. Operators benefit from a short rear swing radius that allows the machine to rotate freely in narrow spaces, making it ideal for work alongside walls, buildings, and traffic.

With its compact footprint and robust stability, the SY60U provides the flexibility to tackle detailed tasks and heavy duty jobs alike - offering unmatched control, comfort, and confidence in every operation.

FOR PRECISE PERFORMANCE - CONTROL MADE SIMPLE.

The new SY60U combines intelligent design with advanced efficiency. Its load-sensing hydraulic system delivers smooth, precise control and faster cycle times while reducing fuel consumption and overall operating costs.

Engineered for performance and savings, the SY60U helps operators achieve more with every movement – maximising productivity without compromise.



Absolute reliability – for peace of mind!

SANY's five-year warranty* gives you the assurance that you can fully count on your equipment.

* Key Component Warranty

STABILITY YOU CAN COUNT ON.

The SANY SY60U comes standard with a heavy duty counterweight, giving the machine outstanding balance and stability – even when lifting or operating at full reach. This added weight improves digging precision, lifting capacity, and overall safety, especially when working on uneven terrain or in confined areas.

Whether handling heavy attachments or tackling demanding tasks, the SY60U stays steady, secure, and ready for anything.





REACH FURTHER. WORK SMARTER.

You won't hit your limits with the SANY SY60U. Its robust boom and arm design and well-balanced weight distribution deliver a maximum reach of 6,375 mm and a digging depth of 3,990 mm, giving operators exceptional versatility across all applications. The minimum tail swing structure ensures confident, efficient operation even in confined spaces — perfect for urban construction, roadwork, and utility projects.

DIMENSIONS.

The SANY SY60U thrives where space is limited. Its short tail swing design allows smooth, confident operation in narrow areas—perfect for urban sites, roadsides, and confined worksites. Compact yet powerful, it keeps productivity high where every centimeter counts.

USER EXPERIENCE.

The SY60U makes servicing simple with a wide opening engine hood and easy access to key components. Daily checks are quick and convenient, while the Bluetooth/USB system keeps operators comfortable and connected.

COMPONENTS.

Powered by a proven Yanmar 4TNV98C engine, delivering strong, reliable power in every environment. Paired with a Kawasaki hydraulic pump, it ensures smooth performance and consistent efficiency - even in the toughest conditions.



SAFETY.

Equipped with comprehensive safety features as standard — including safety valves on the boom and arm, a battery master switch, lockable covers, and beacon lighting. The ROPS/FOPS certified cabin provides maximum protection and peace of mind in every operation.

COST EFFECTIVE.

The SY60U's smart control system automatically adjusts pump output to match engine power - delivering optimal efficiency, smooth performance, and lower fuel consumption on every job.

OPERATOR COMFORT.

Its low-noise cab and efficient air-conditioning system create a quiet, cool working environment, while ergonomic controls and a 7-inch touchscreen display make operation intuitive and effortless.

A FOCUS ON THE OPERATOR.

The SANY SY60U is designed with the operator in mind, combining comfort and practicality to support long, productive days on the job. The spacious, low-noise cab features air conditioning and a warm air system for year-round comfort, while ergonomically arranged controls and a 7-inch touchscreen display make operation smooth and intuitive. A mechanical suspension seat, rearview camera, and excellent visibility reduce fatigue and enhance focus. With Bluetooth/USB connectivity built in, the SY60U keeps operators both comfortable and connected throughout every shift.



DISPLAY AND CONTROL SYSTEM.

You have everything in view with the large 7-inch touchscreen display, which clearly presents all key operating data in an easy-to-read format. Beyond essential machine information, the interface allows operators to adjust attachment settings, manage power modes, and even schedule upcoming maintenance directly through the menu. The intuitive layout makes operation seamless, keeping you in control with just a few taps.



PRECISION IN YOUR HANDS.

The SY60U puts total control right where it belongs — at your fingertips. Its ergonomic joysticks offer smooth, proportional control of all machine movements and auxiliary functions, giving operators precise handling in even the tightest spaces. Every switch and lever is logically positioned for intuitive use, reducing fatigue and improving efficiency throughout the workday. The push-to-start button adds a modern touch, allowing quick, effortless ignition and a seamless start to every shift.

CLEAR VISIBILITY FOR COMPLETE CONTROL.

A clear view of the worksite is essential for accuracy and safety — and the SY60U delivers just that. Its spacious cab and large front, side, and rear windows provide excellent all-around visibility, allowing operators to monitor every movement without leaving their seat. A rearview camera enhances safety and awareness when maneuvering in confined areas, while the high intensity LED work lights ensure clear vision in low light conditions with minimal energy use and long service life.



READY FOR ANY ATTACHMENT.

The SANY SY60U is equipped for versatility and precision on any job site. It comes standard with two proportional auxiliary hydraulic lines, allowing operators to connect and control a wide range of attachments with ease. Both pressure and flow can be adjusted directly from the cab for smooth, responsive operation - Ideal for powering attachments such as breakers, augers, and tilt buckets, with continuous flow capability as standard — making it perfectly suited for mulchers and mowers.

A dedicated hydraulic quick-hitch line enables fast, safe attachment changes, while the case drain line protects hydraulic motors from excess back pressure, extending attachment life and improving overall reliability. The result? A compact excavator that's ready for any task, any time.



Our highlights – the added benefits SANY offers you:

- ✚ 2 proportional auxiliary lines with joystick control as standard
- ✚ Case-Drain Line Installed
- ✚ Double acting circuit for hydraulic quick-coupler with piping
- ✚ Safety valves on arm and boom
- ✚ Triple flange drive rollers
- ✚ LED working lights
- ✚ Bluetooth/USB radio



TECHNICAL SPECIFICATIONS

ENGINE

Model	Yanmar 4TNV98C-WSY
Type	4-cylinder, 4-stroke, water-cooled, direct injection, naturally aspirated
Exhaust emissions	Stage V
Gross power	42.2 kW
Net Power	41.1 kW
Displacement	3.32 L

HYDRAULIC SYSTEM

Main Pump	Rexroth Axial Piston
Max. oilflow	148 l/min
Operating Pressure	27 MPa
Auxiliary Flow (max)	90 l/min / 60 l/min
Auxiliary Pressure (max)	25 MPa
Travel Motor	Axial Piston with Park Brake

SERVICE REFILL CAPACITIES

Fuel tank	85 l
Engine coolant	13 l
Engine oil	8.5 l
Hydraulic Tank	105 l
Engine Oil	8.5 l

PERFORMANCE

Swing Speed	10 rpm
Max. travel speed	High 3.8 km/h, slow 2.2 km/h
Max. travel pressure	27 MPa
Travel Effort (max)	30 kN
Gradeability	30°
Bucket digging force ISO	49.1 kN
Arm digging force ISO	34 kN

OPERATING MASS

SY60U	6300 kg
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UNDERCARRIAGE AND UPPER STRUCTURE

Boom length	3000 mm
Dipper length	1700 mm

LIFTING CAPACITIES OF LOWER DOZER BLADE

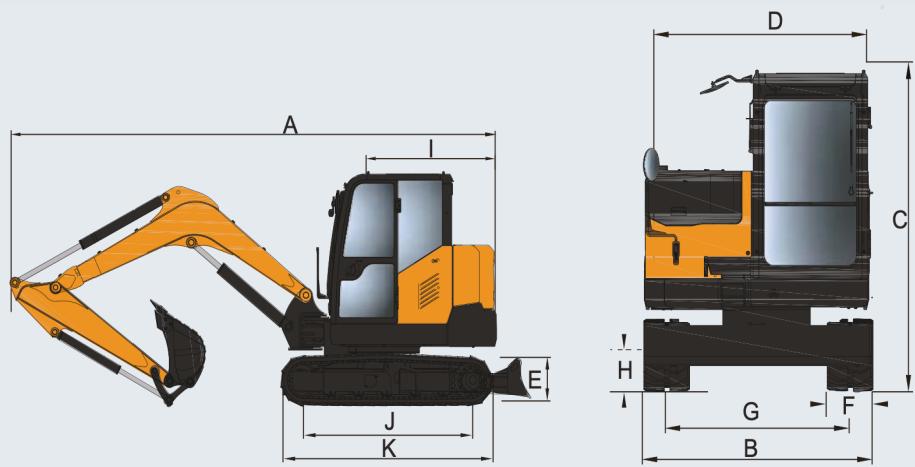
Load point height	Radius				Max reach
	20 m	30 m	40 m	50 m	
4.0 m kg		1150	1150		1120 1030
3.0 m kg		1250	1250	1300	860 1060 835
2.0 m kg	2020	1690	1175	1175	1390 840 1080 750
1.0 m kg	2890	1640	1100	1100	1540 810 1150 715
0 m kg	3290	1570	1070	1070	1650 790 1320 735
-1.0 m kg	2720	2720	3260	1560	1050 1050 1660 720
-2.0 m kg	4000	3030	2880	1580	1070 1070 1800 1020

LIFTING CAPACITIES OF UPPER DOZER BLADE

Load point height	Radius				Max reach
	20 m	30 m	40 m	50 m	
4.0 m kg		1150	1135		1070 1030
3.0 m kg		1250	1100	900	860 870 835
2.0 m kg	1850	1690	1175	1050	880 840 785 750
1.0 m kg	1800	1640	1110	995	860 810 755 715
0 m kg	1740	1570	1070	950	840 790 775 735
-1.0 m kg	2720	2720	1700	1560	1050 935 850 810
-2.0 m kg	3560	3030	1720	1580	1070 955 1080 1020

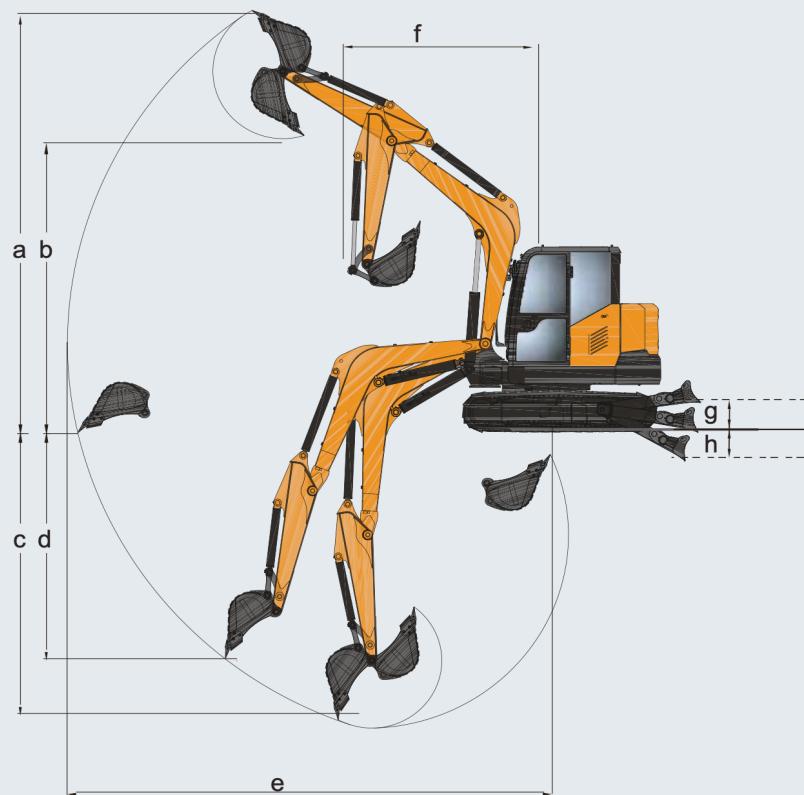
DIMENSIONS (TRANSPORT)

A Transport length	5830 mm
B Transport width	2000 mm
C Transport Height	2530 mm
D Upper Structure Width	2000 mm
E Blade Height	340 mm
F Track Width (standard shoe)	400 mm
G Track Gauge	1600 mm
H Ground Clearance	320 mm
I Tail Swing Radius	1350 mm
J Track Length On Ground	2055 mm
K Track Length	2580 mm



WORKING AREA

A Max. Digging Height	5695 mm
B Max. Dumping Height	3970 mm
C Max. Digging Depth	3990 mm
D Max Vertical Wall Digging Depth	3130 mm
E Max. Reach at Ground Level	6375 mm
F Min. Swing Radius	2730 mm
G Max. Blade Height	400 mm
H Max. Blade Depth	385 mm



EQUIPMENT

s = standard / **o** = optional

SY60U	ENGINE		UNDERCARRIAGE
S	Yanmar 4TNV98C	S	Planetary drive with axial piston motors
S	EU Stage V compliant	S	Propel motor shields
S	Auto-idle	S	Spring-applied, hydraulically released automatic propel brake
S	Dual-element dry air filter	S	Track guides, front idler and 2 per side
S	Engine air precleaner	S	2-speed travel
S	Coolant Expansion tank	S	5 lower track rollers each side
S	Electronic engine control	S	1 upper carrier roller each side
S	Fan guard	S	Dozer blade with cylinder guarding
S	Engine coolant to -37 deg. C	S	Tie downs on track frame and dozer blade
S	Full-flow oil filter	S	400mm (16") wide rubber tracks
S	High flow cooling fan	S	Undercarriage frame opening guard
S	500-hour engine-oil-change interval		
S	No scheduled DPF maintenance for 6000 hours	S	UPPERSTRUCTURE
S	Fuel filter and water separator	S	Right-hand, left-hand, and counterweight mirrors
HYDRAULIC SYSTEM		S	Lockable cab, hood, and service doors
S	Spring-applied, hydraulically released automatic swing brake	S	Debris screen in side panel
S	Load sensing hydraulic system	S	Remote-mounted engine oil and fuel filters
S	Control pattern change valve	S	Daily fluid level inspection visible from ground
S	Primary auxiliary hydraulic circuit with 1 and 2-way combination piping		Rear reflectors
S	Auxiliary hydraulic-flow adjustments through monitor	S	ATTACHMENTS
S	Adjustable auxiliary pressure relief	S	Convenient grease points
S	Quick coupler ready	S	Centralized lubrication system
S	Case-Drain Line Installed		Dirt seals on all bucket pins
OPERATOR'S STATION			
S	Hydraulic pilot controls		
S	Proportional auxiliary switches on joystick		
S	Travel levers with foot pedals		
S	AM/FM radio with bluetooth and USB connection port		
S	Cell phone tray		
S	Weight adjustable suspension cloth seat with fore/aft adjustment and adjustable armrests		
S	2" seat mounted lap belt		
S	Emergency stop switch		
S	Sliding front window		
S	Removable lower front window		
S	Window breaker		
S	ECO mode switch		
S	8 tool selection modes		
S	Fully adjustable auxiliary flow circuits and pressure from display		
S	Multifunction color LCD monitor with: Diagnostic capability / Multiple-language		
S	System monitoring features: Auto-idle indicator, 2-speed indicator, work-mode indicator, preheat icon, time and date, battery charge icon, throttle position, engine oil pressure alarm, DPF regeneration inhibit indicator, fuel level gauge, maintenance needed icon, failure code, standard/eco work mode icon, engine coolant temperature, coolant temp alarm, severe failure alarm, work tool mode icon, operating hours		
S	High performance heating, ventilation, and air conditioning system		
S	Operation and maintainance manual storage		
S	Heavy duty removable rubber floor mat	S	ELECTRICAL
S	Front windshield wiper with high and low speed	S	12V electrical system
S	Horn, electric	S	Maintenance free battery
S	Hour meter, electric	S	Ground level battery disconnect
S	Hydraulic shutoff lever, all controls	S	Easy access fuse panel
S	Interior light	S	Terminal battery covers
S	Cup holder	S	80-amp alternator
S	Travel alarm with cancel switch	S	12V power outlet
S	Transparent overhead hatch with retractable sun shade	S	LIGHTS
			Work lights: 2 mounted on top of cab, 1 mounted on boom, magnetic beacon

A SERVICE YOU CAN RELY ON

In the event of a breakdown during your warranty period, Vertu will come to your site as soon as possible to get your machine back up and running.

National Service Representation

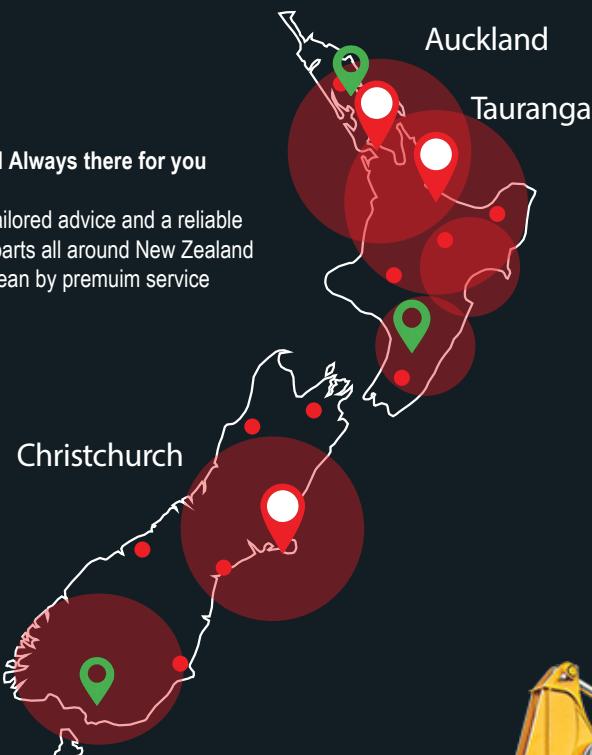
Our national service network partnerships provide certainty that you are supported with service and parts, wherever you are located.

Parts and Inventory

As the dealer of SANY excavators, roading and construction equipment Vertu holds a significant inventory of SANY Genuine and aftermarket parts and attachments, both in New Zealand and Australia to keep you going. With direct relationships locally and internationally we can source parts quickly and as a matter of priority.

Flexible, Fast and Always there for you

Paid assistance, tailored advice and a reliable supply of original parts all around New Zealand. That is what we mean by premium service.



The added benefits SANY offers you:

- ⊕ Fast supply thanks to SANY Parts Hub at Vertu Equipment HQ
- ⊕ More than 15,000 spare parts to make your machine highly reliable
- ⊕ Expert knowledge for optimal supply for your machine
- ⊕ Thanks to SANY's special training programme, our dealers are always kept up-to-date so that they can face all technical challenges.



Detailed information in black and white

Handbooks and documents are available for all SANY mini excavators, and these can help you with operation, maintenance, servicing and repairs. These include operating and maintenance instructions and technical specifications.

HIGHLIGHTS **SY60U**

COMPACT POWERHOUSE FOR BIG PERFORMANCE



Urban worksites, road maintenance, and hillside operations demand strength, stability, and precision — and that's exactly where the SY60U excels. With its advanced hydraulic system, dual proportional auxiliary lines, and strong digging performance, it delivers the finesse needed for detailed work while packing the muscle for tougher jobs. Compact, powerful, and built for versatility — the SY60U is your reliable partner on every site.

ROBUST RELIABILITY

High-quality materials and careful machining guarantee the highest degree of solidity and stability even under stress.

ALWAYS COMFORTABLE

Whether in the enclosed cab or open canopy, the SY60U is designed with operator comfort at its core. The spacious cockpit features ergonomic controls, a 7-inch smart touchscreen, Bluetooth/USB connectivity, and excellent visibility for confident operation. With reduced cabin noise and intuitive layout, the SY60U helps operators stay focused, comfortable, and productive — all day long.

SMALL POWERHOUSE

Thanks to its smart, compact design, the SY60U makes light work of tight and complex job sites. Its reduced tail swing and excellent maneuverability allow it to operate confidently in confined urban areas, while maintaining the power and reach needed for larger projects. With compact dimensions and impressive stability, the SY60U delivers big performance where space is limited.

INHERENTLY SAFE

Maximum safety for the operator, the worksite, and the machine itself comes built into every SY60U. With safety valves on the boom and arm, a rearview camera, and a travel alarm system, the SY60U ensures protection and awareness in every working condition. Robust design and intelligent safety features deliver peace of mind — protecting both people and performance while maintaining the highest level of operational security.

IMPROVED DETAILS

The extensive standard features and high-quality components from trusted global manufacturers make the SY60U a dependable powerhouse for every application. Equipped with advanced hydraulics, dual proportional auxiliary lines, a 7-inch smart display, and reliable Yanmar power, the SY60U combines proven durability with modern innovation — making it a truly versatile all-rounder on any job site.

TECHNICAL HIGHLIGHTS

Engine	YANMAR 4TNV98C
Gross power	42.4 kW
Max. Hydraulic Flow	148 L/min
Max. travel speed	3.8 km/h
Swingspeed	10 rpm
Mainpump	Rexroth Axial Piston
Operating Weight	6300 kg



Not all products are available in all markets. As part of our continuous improvement process, we reserve the right to modify specifications and designs without giving prior notice. The figures may contain additional options.



Machinery Specialists
06 356 8459
www.machineryspecialists.co.nz
info@machineryspecialists.co.nz

18 Bisley Street
Palmerston North

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