

SY35U

SANY

supported by **Putzmeister**



A POWERFUL FEATHERWEIGHT

COMPACT. FLEXIBLE. VERSATILE.

CONSTRUCTION MACHINERY



MINI EXCAVATOR
SY35U

Engine
Yanmar 3TNV88F
Power
18,2 kW / 2 200 rpm
Bucket capacity
0,12 m³
Operating weight
3 790 kg

The most demanding tasks require a first-class partner.

Quality comes from experience. And from innovative ideas. That's why at SANY we combine these two important factors. Because we are one of the leading manufacturers, with more than **500,000** excavators sold **worldwide**. Given this, you can trust our advanced products, tested in the construction field. We allocate a high percentage of our annual turnover, between **5 and 7%**, to research and development. This allows us to promise you the power and robustness of our products.

500 000
EXCAVATORS SOLD
WORLDWIDE

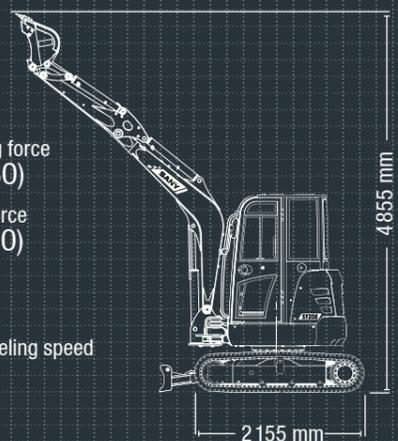
5-7%

PERCENTAGE OF TURNOVER ALLOCATED TO RESEARCH AND DEVELOPMENT

Quality Changes the World

SY35U
TECHNICAL DATA

Bucket digging force
30.4 kN (ISO)
Arm digging force
18.2 kN (ISO)
Swing speed
10 rpm
Maximum traveling speed
4.2 km/h



HIGH PERFORMANCE DOES NOT NECESSARILY HAVE TO TAKE UP A LOT OF SPACE.

The SANY SY35U short swing excavator is a true powerhouse in a small package. Its compact dimensions make it the perfect piece of equipment for jobs that require strength and manoeuvrability. One of the great strengths of this 'little one' is its versatility. It is a truly multifunctional machine, capable of working with attachments such as a demolition hammer or a handling clamp. This allows it to offer

versatility in gardening and landscaping work, as well as in demolition and excavation tasks, which pays off day after day. Especially in the city, where space is often limited on construction sites, the short swing design provides the perfect solution to many challenges that must be solved on a regular basis.



PROFITABILITY

LESS IS MORE: ESPECIALLY WHEN IT COMES TO OPERATING COSTS

The SY35U pays off. This versatile workhorse is a safe investment in performance, reliability and productivity. With a comprehensive technology package, it has been developed for maximum profitability.



CONSTRUCTION

Robust and durable: the most important protective and reinforcement elements, as well as all cladding parts, are made of high-quality alloy. Ideal for rigorous construction work.

DIMENSIONS

Compact and powerful: On the one hand, a short-swing excavator with compact dimensions; on the other, a small powerhouse that offers extraordinary power values compared to other machines in its class. When the cab door is open, the machine can swing and the door will not exceed the swing radius. For fast and efficient work, even when space is limited. Thanks to the option of adding a heavy counterweight, in combination with the long excavator arm, you get a wide range of reach with greater safety.

EASE OF USE

Extremely comfortable: drivers will enjoy maximum comfort thanks to the comfortable seat and ergonomic controls, among other features. In this regard, the Bluetooth radio with free memory assignment device is another feature designed for greater comfort.



SAFETY

Proven reliability: the standard safety valves on the boom and arm also enable safe use in lifting tasks, providing additional safety.

COMPONENTS

Standard excellence: the SY35U comes with a wide range of equipment as standard including a dozer blade floating function, making dozing and leveling more convenient. It can also be expanded with additional special options and adapted to individual requirements, conditions & terrains.

PROFITABILITY

Convincing cost-effectiveness: low fuel consumption, simple maintenance, low investment costs. The SY35U offers excellent value for money in every respect. The two additional control circuits and the preparation for hydraulic quick coupling provide the ideal pre-installation for virtually any job and application.

PROFITABILITY

Efficiency or performance? Why choose?

The days when high performance was synonymous with high operating costs are a thing of the past. The SY35U combines cost-effectiveness and performance in an exemplary manner. The modern drive and load-sensing hydraulic system with variable transport capacity are designed to achieve minimum fuel consumption and comply with the stringent Stage 5 emissions standard. You can choose between two work programmes to adjust the machine's performance to each task with optimum precision.



CONSTRUCTION

Maximum load resistance: metal alloy covers

All SANY mini excavators come standard with robustness and long service life. The linings, for example, are made exclusively from alloy. This gives them special strength. So if they suffer any impact during demanding work on site, they can usually be repaired quickly. In addition, all maintenance covers can be locked to further protect the interior.





EASE OF USE
Simple maintenance and technical service

Performing maintenance and inspections quickly thanks to SANY's ingenious service concept. The large covers ensure quick and easy access to all components that require maintenance. The central lubrication system allows grease to be supplied to the various support points. On this machine, for example, it is possible to conveniently lubricate the entire slewing ring through an opening in the upper body.



COMPONENTS
Many good things from the outset

Whether it's the Yanmar engine, the Casappa hydraulic system or the Nachi transmission: the machine features a host of brand-name components, meaning excellent quality.

Our key features. The advantages of SANY Plus:

- + 2 additional proportional control circuits with joystick operation as standard
- + Double-acting hydraulic circuit for quick coupling incl. hose system
- + Safety valves on boom and arm
- + Air conditioning
- + LED work lights
- + Efficient and powerful hydraulic system with load sensor
- + Three-flange drive rollers
- + USB/Bluetooth radio

EASE OF USE
DRIVER COMFORT IN THE SPOTLIGHT

The spacious cab guarantees comfort for everyday work. For many, the most important component is the driver's seat. The SY35U uses high-back mechanical shock-absorbing seats. The armrests can be adjusted to suit any height, allowing you to work without fatigue. Special rubber bearings reduce vibrations and work movements. Ergonomically arranged controls round off the complete package. And finally, the USB/Bluetooth radio provides the ultimate in comfort. The large central display allows you to keep everything under control, as it shows the most important data and values in a clear and legible manner. In addition to displaying basic information, the working mode, travel speed and attachment can also be adjusted here. The next maintenance appointment is also listed in the menu.



SAFETY
What is important must be protected.

The safety of the machine and personnel is ensured by warning systems such as standard rotating signal lights and a travel alarm. In addition, the boom cylinder is protected by a plate to prevent serious damage to the cylinder in the event of an operating error. Safety valves on the boom and arm are also included as standard and enable safe lifting tasks with the machine.



EASE OF USE
Everything at the right temperature

A real novelty in its category is the standard air conditioning system that allows the driver to keep a cool head.

ECONOMY
Complete and versatile

The design of the hydraulic quick-change system, in addition to the two additional proportional control circuits, allows for easy adjustment to different auxiliary devices. Safety valves are also included as standard equipment.

DIMENSIONS
Perfect stability in any situation

The 1420 mm wheelbase, low centre of gravity and carefully considered weight distribution give the SY35U unbeatable stability; the heavy counterweight option* also allows you to increase the reach in combination with the long arm, or ensure stability at all times even with heavy tilt rotators. The machine's design as a cantilever excavator not only means a slight change in the centre of gravity when turning, but also the possibility of working in confined spaces. In addition, the slewing bracket offers a wider range of applications and allows comfortable and safe working parallel to the boundaries of buildings of any type.

* Modification of machine dimensions

PROFITABILITY
The subtle difference: open to everything

If a completely unobstructed view is desired, the SY35U is also available in a canopy version. It offers a perfect view of the work area, naturally complying with all current ROPS specifications.



ENGINE

Model	YANMAR 3TNV88F
Type	Water-cooled 4-stroke diesel engine with direct injection
Emissions standards	Stage V
Power	18.2 kW / 2200 rpm
Maximum torque	91.4 Nm / 1320 rpm
Displacement	1 642 cc
Batteries	1 × 12 V / 80 Ah

HYDRAULIC SYSTEM

Main pump	Axial piston control pump
Max. oil flow	88 l/min
Drive	Axial piston control motor
Swivel motor	Axial piston motor
Max. oil flow (AUX1)	70 l/min

SERVICE FILLING QUANTITIES

Fuel tank	50 l
Engine coolant	7.7 l
Engine oil	6.7 l
Travel drive (per side)	0.6 l
Hydraulic system	50 l
Hydraulic oil tank	40 l

POWER

Rotation speed	10 rpm
Maximum travel speed	Fast 4.2 km/h, slow 2.4 km/h
Maximum traction force	36.5 kN
Climbing capacity	30°
Bucket capacity	0.12 m ³
Ground pressure	0.32 kg/cm ²
ISO bucket breakout force	30.4 kN
ISO arm traction force	18.2 kN

LOWER AND UPPER BODY

Boom length	2540 mm
Arm length	1400 mm / 1650 mm opcional
Roller	4
Swivel system	Axial piston motor with planetary gear in oil bath and single-row slewing ring. Spring-loaded brake for slewing system, hydraulically operated.
Lower body	Large, reinforced lower body. Welded chassis frame in modular design. Side frame welded to chassis frame.

PRESSURE RELIEF VALVES

Boom circuit	245 bar
Swing circuit	206 bar
Travel circuit	245 bar
Pre-control circuit	35 bar

OPERATING WEIGHT

SY35U	3790 kg
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DOZER BLADE LOAD CAPACITIES BELOW*

Load point height	Radio				Maximum Range	
	2.0 m	3.0 m	4.0 m	4.0 m	3.0 m	
4.0 m kg				803	660	
3.0 m kg			818	503	688	
2.0 m kg	1000	762	855	491	667	
1.0 m kg	1447	703	1036	468	695	
Floor line kg	1650	669	1137	452	787	
-1.0 m kg	2372	1245	1631	665	1082	
-2.0 m kg	2057	1287	1217	691	1023	

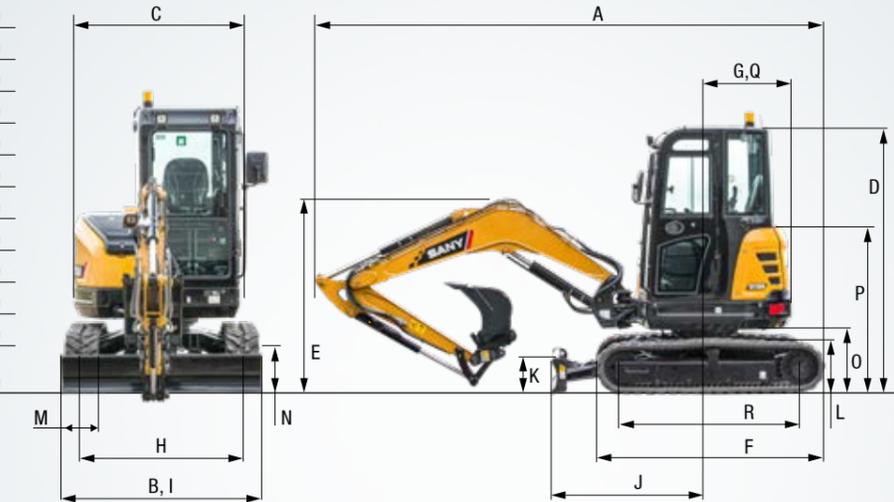
DOZER BLADE LIFTING CAPACITY*

Load point height	Radio				Maximum Range	
	2.0 m	3.0 m	4.0 m	4.0 m	3.0 m	
4.0 m kg				704	660	
3.0 m kg			534	503	486	
2.0 m kg	817	762	522	491	411	
1.0 m kg	755	703	499	468	387	
Floor line kg	720	669	482	452	398	
-1.0 m kg	1377	1245	717	665	482	
-2.0 m kg	1423	1287	743	691	665	

*for a standard arm of 1400 mm

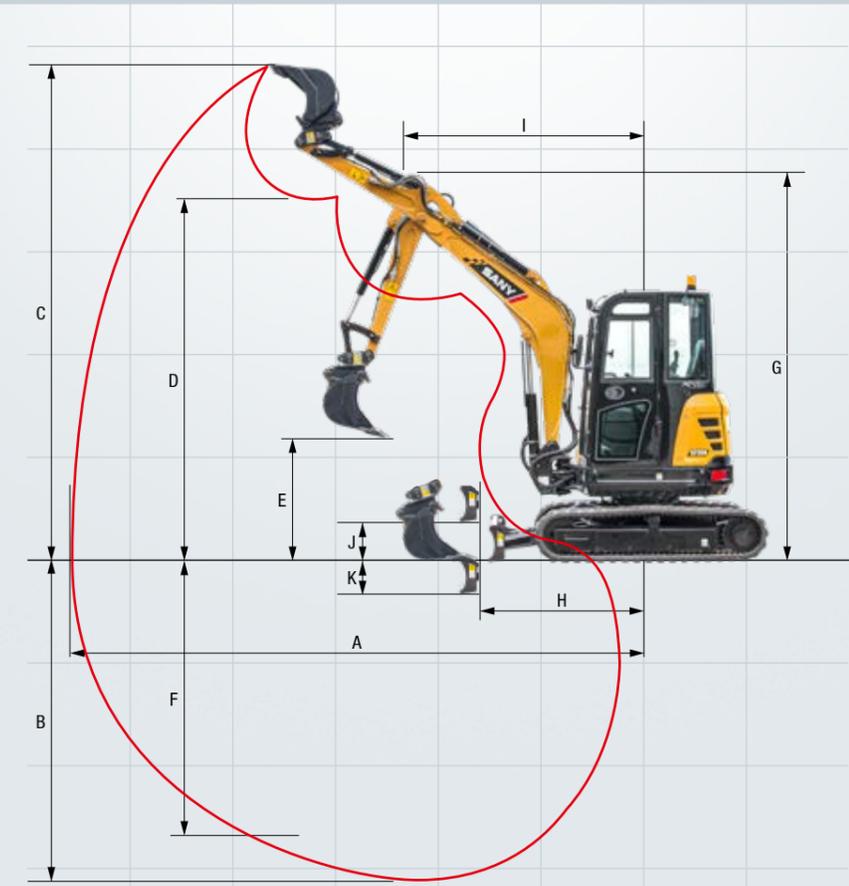
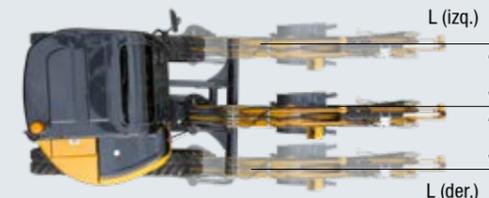
DIMENSIONS

A Overall length	4915 mm
B Overall width	1720 mm
C Overall width of upper body	1548 mm
D Overall height of cab	2515 mm
E Overall height of boom	1800 mm
F Overall length of lower body	2155 mm
G Rear length	860 mm
H Wheelbase	1420 mm
I Width of lower body (dozer blade)	1720 mm
J Horizontal distance to dozer blade	1500 mm
K Dozer blade height	350 mm
L Chain height	520 mm
M Chain plate width	300 mm
N Min. ground clearance	295 mm
O Rear weight ground clearance	560 mm
P Bonnet height	1550 mm
Q Rear turning radius	860 mm
R Distance (centre) between sprocket and steering wheel	1670 mm



WORK RANGE

A Maximum reach	5465 mm
B Maximum digging depth	3105 mm
C Maximum cutting height	4855 mm
D Maximum dumping height	3460 mm
E Minimum dumping height	1210 mm
F Maximum digging depth, vertical wall	2700 mm
G Total height with minimum turning radius	3690 mm
H Boom head distance with maximum retraction of working devices	1955 mm
I Turning radius with slewing bracket (left)	2245 mm
Turning radius with slewing bracket (right)	2140 mm
Min. turning radius	2475 mm
J Max. dozer blade lift above ground	375 mm
K Max. dozer blade penetration	370 mm
L Slewing bracket displacement extension (left)	645 mm
Slewing bracket displacement extension (right)	725 mm
Maximum boom swing angle (left)	57°
Maximum boom swing angle (right)	63°



Note: Non-binding information document. The values indicated are theoretical maximum values. The values for the high-pressure water pump are for operation in diesel mode. Specifications subject to change without prior notice. Photos and illustrations are for illustrative purposes only. For information on available options, please consult us.

The SY35U: exemplary equipment included as standard

Productive and focused work is only possible when you have the right equipment. The SY35U meets virtually every need.



EASE OF USE / CABIN

Heating	●
Manual climate control system	●
USB/Bluetooth radio	●
Adjustable armrests	●
12 V connection	●
Windscreen wipers	●
Windscreen washer system	●
Additional control circuit 1 on control lever	●
Additional control circuit 2 on control lever	●
8 implement settings	●

SAFETY

Battery disconnect switch	●
Rotating signal lights	●
Lockable covers	●
Emergency descent	●

HYDRAULIC SYSTEM

Swivel brake	●
2 travel speeds	●
Hydraulic control of the control lever	●
Main filter	●

WORK LIGHTING

LED work lights on front roof	●
LED work light on boom	●

LOWER BODY

Rubber chain	●
Cylinder protectors – dozer blade	●
Lashing rings	●

ENGINE COMPARTMENT

Automatic rev adjustment	●
Diesel filter	●
Diesel system purge	●
Box or compartment for storing grease stains	●

WORK EQUIPMENT

Safety valve on boom and arm with overload warning device	●
Double-acting hydraulic circuit for quick coupling incl. hose system	●
Hammer installation	●
Parts installation	●
Adjustable oil flow for accessories	●
Shield	●
Cylinder protection on arm	●
Additional counterweight	●
1.65 m long arm	●
Safety valve for blade	●

Standard equipment ● Special option ●

Note: Non-binding information document. The values indicated are theoretical maximum values. Specifications subject to change without prior notice.

The photos and illustrations are for illustrative purposes only. For information on available options, please consult us.

* The air conditioning contains fluorinated greenhouse gases: Refrigerant type: HFC-134a, Global warming potential: 1,430, Quantity: 0.625 kg, CO2e: 0.89 t

Parts supply: fast and reliable

By purchasing a SANY mini excavator, you have invested in the future. The rapid availability of spare parts guarantees short downtimes and minimal inactivity.



A SERVICE YOU CAN RELY ON

As with our excavators, the quality and reliability standards of our service products are very high. This is demonstrated by the scope of our guarantee in terms of durability, as well as the excellent value for money. After all, maintenance is also crucial for efficiency,

profitability and safety. Your SANY dealer is at your side with a comprehensive service to ensure that your machine runs efficiently and durably.

SANY – flexible, fast and always there for you

Prompt assistance, accurate advice and reliable supply of original parts: that is how we understand premium service.



The advantages of SANY Plus:

- ✦ Experienced dealer network throughout Australia, New Zealand & the Pacific Islands
- ✦ Direct service coverage
- ✦ Local SANY team dedicated to your success
- ✦ Australia-wide parts distribution centers to ensure SANY machines are fully supported
- ✦ Ongoing customer care from purchase to after-sales

Full coverage, black on white

All SANY mini excavators come with manuals and documents to assist you with operation, maintenance, servicing, and repairs, including operating and maintenance instructions, technical specifications, and more.





THE LITTLE ONE WHO CAN HANDLE BIG TASKS

Work precisely, deliver high power, and move forward even when space is limited. The SY35U offers everything you would expect from a mini excavator. It is robust, simple, and, thanks to its excellent power ratings, ideal for all types of excavation work.

ROBUST AND DURABLE

The most important protective elements and reinforcements, as well as all coatings, are made of **highly robust metal alloy**. **Robot-welded seams** guarantee durability in all conditions.

UNPARALLELED COMFORT

Very simple control thanks to the **large screen** and **different operating modes**, combined with the comfort of an **air conditioning system**.

NO EXCUSES

To **protect both people and the machine as much as possible**, it comes with integrated devices such as cylinder protection plates. And, of course, the platform is **FOPS-TOPS** certified.

COMPACT POWER

With the compact dimensions of a short-swing excavator, the SY35U is a powerhouse in its class. The swing bracket provides even more flexibility.

PROFITABLE

Low fuel consumption that complies with Stage V emissions standards and an intelligent hydraulic system with load sensor, as well as the option to purchase the SY35U as a Canopy, make this an attractive package offering excellent value for money.

SERIES EXCELLENCE

High-quality components from brand manufacturers guarantee high performance and unparalleled safety of use: all this is included as standard in the **extensive standard equipment**, which includes **several LED work lights**.

KEY TECHNICAL FEATURES

Engine	YANMAR 3TNV88F
Power	18.2 kW / 2200 rpm
Maximum torque	91.4 Nm / 1 320 rpm
Maximum travel speed	4.2 km/h
Rotational speed	10 rpm
Main pump	Axial piston control pump
Maximum oil flow	88 l/min

Not all products are available in all markets. As part of our ongoing improvement process, we reserve the right to change specifications and designs without prior notice. Images may contain additional options.

SANY

supported by **Putzmeister**

Putzmeister Oceania

12 Kimpton Way,
Altona VIC 3018
1300 321 080
sanyoceania@putzmeister.com
www.sanyoceania.com