

SY365H

SANY

supported by **Putzmeister**



IMPRESSIVE EFFECTIVENESS

HIGH POWER. LOW CONSUMPTION.

CONSTRUCTION MACHINERY



CRAWLER EXCAVATOR
SY365H

Engine
ISUZU 6HK1XDHAG-01-C3
Power
212 kW / 2000 rpm
Bucket capacity
1.6 m³
Operating weight
37 100 kg

SANY

SY365H

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

SY365H TECHNICAL DATA

Max. breakout force
of the bucket
235 kN (ISO)

Max. pulling force
of the arm
180 kN (ISO)

Rotational speed
9.5 rpm

Maximum travelling speed
5.5 km/h

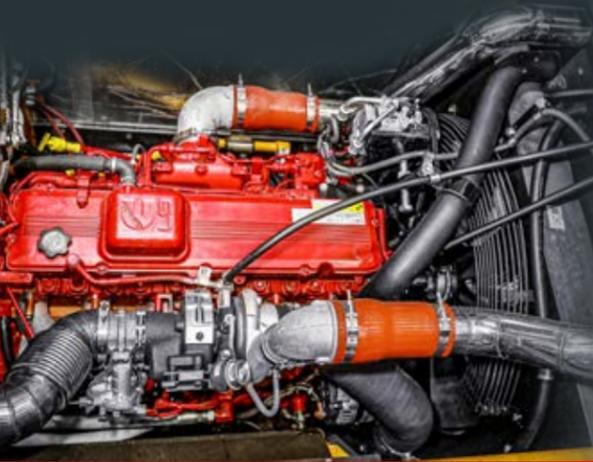


A POWERFUL MACHINE THAT DELIVERS PRODUCTIVITY AND NEW DIMENSIONS

With the SY365H crawler excavator, SANY offers a powerful ally that proves its worth when it comes to moving huge loads. It is equipped to deliver a long service life and long operating times, even in the toughest working conditions.

The new SY365H is a solid all-rounder for heavy-duty work. With its slightly reduced weight and moderate width of 3 metres, it exhibits superb agility for its class. Large earthworks and comprehensive public works projects can be carried out quickly and efficiently with it.





COMPONENTS

WELL-DESIGNED COOLING

To prevent the engine from overheating even at maximum power, easily accessible radiators with a powerful fan have been installed, whose speed is electronically regulated depending on the temperature. The integrated silicon oil clutch ensures that it only starts when really necessary. This saves fuel, reduces noise levels and minimises emissions.

DIMENSIONS

Stability in any situation

If you are looking for the right grip in the relentless activity of construction work, you need optimum structural stability. The perfect basis for this is the stable HD undercarriage. It is able to unleash its impressive power without limits thanks to its low centre of gravity and well-thought-out balance. The solid double-supported carrier rollers ensure that the chain drive remains clean even after long periods of operation. In addition, the crossbars in the cavities of the carrier wheel allow it to remain stable even under the toughest conditions, so that additional wear is not a concern.



CONSTRUCTION

Reliable: new high-strength castings at maximum load points reduce load stress and improve durability. For example, thanks to the lower chain track inlet protection, it is perfectly equipped for demolition and quarrying.

EASE OF USE

As pleasant as it is productive: the completely redesigned cab offers outstanding operating comfort thanks to its superb air-suspension seat, additional adjustment options and integrated control panel. Improved cab sealing and the new ventilation system with adjustable vents make the driver's comfort comparable to that of a car.

DIMENSIONS

A stable base: the heavy-duty undercarriage offers high stability in any situation. It is equipped as standard with triple chain protection and double bearings on the support wheels. The best conditions for maximum service life, even with continuous use.



SAFETY

Everything in view: a rear camera and a side camera, fitted as standard, together with LED headlights enable safe working with the best panoramic view. The images can be displayed individually or combined on the high-resolution 10" screen. The new, particularly flat bonnet design also allows a clear view to the rear.

COMPONENTS

Maximum efficiency: the powerful Isuzu engine is equipped with an exhaust gas module without cooled gas recirculation. In addition to a 50% reduction in installation space and a 30% weight saving, this ensures maximum combustion temperature and thus maximum efficiency with high fuel economy and 20% more torque.

PROFITABILITY

Maximum productivity: select the optimum operating mode depending on the application and choose between high power or minimum fuel consumption. Incredible productivity is also the result of great flexibility. Two additional proportional control circuits and switching of auxiliary devices via the touchscreen are also included as standard.

SAFETY

SAFETY DOWN TO THE SMALLEST DETAIL

A rear and side camera are included as standard equipment. The high-resolution monitor can display the images from the cameras individually or in various combinations. This provides a precise picture of the surroundings for maximum safety. In low-light conditions, six maintenance-free LED headlights provide optimum illumination. Similarly, the standard equipment includes lashing eyes for safe transport and a maintenance platform with non-slip flooring and secure handrails, as well as an emergency descent. The latter allows the equipment to be lowered in the event of a drive unit failure.

The impressive safety features are complemented by an optimised design and a ROPS/FOPS Class II certified cab. In addition, Class 2 certified protective grilles protect people and the machine on stony ground or during demolition work.



CONSTRUCTION

Because quality matters

Crawler excavators are high-performance machines and must prove their worth every day in demanding construction site conditions. That is why we take no risks when it comes to quality.

Robot-controlled welding and a high-quality pipe system for the hydraulic lines ensure that you can rely completely on your SANY. Thanks to its all-metal plating, minor damage can be repaired in most cases.

EASE OF USE

A CABIN THAT MEETS THE HIGHEST STANDARDS

The completely redesigned cab has been designed with great attention to detail to enable safe and fatigue-free working. With its complex insulation, it offers excellent protection against noise, dust and vibrations, creating a comfortable and pleasant working environment. The cab impresses with its high-quality comprehensive equipment. The air-suspended driver's seat with heating and numerous adjustment options is the centrepiece. It enables fatigue-free working and ensures safe and precise operation thanks to its integrated control panel.

Comfort is enhanced by features such as increased legroom, automatic climate control and optimised air intake in the cab air filter. Other standard features include a radio with USB connection and generous storage space, with an integrated refrigerator and cup holder.



Our key features. The advantages of SANY Plus:

- + Completely remodelled driver's cab with Class II ROPS/FOPS certification
- + Large 10" high-resolution touchscreen
- + 2 cameras providing a 270° field of view
- + Seat with integrated adjustable consoles
- + 2 additional control circuits
- + Programmable auxiliary devices
- + Automatic switching of the hydraulic system when operating with a hammer
- + Heavy-duty undercarriage
- + High-power engine



EASE OF USE

Success during maintenance is guaranteed.

Inspection and maintenance work ensures the power and service life of the machine. For this reason, we simplify the user's tasks as much as possible. The hydraulic oil indicator, main battery switch, air filter, liquid container for the washing system and fuse boxes are easily and safely accessible from the ground. The lubrication bench allows for quick and convenient lubrication of different points in one operation, and the well-designed filter arrangement on the right-hand side of the machine facilitates both checks and maintenance.

EASE OF USE

Large and practical

The 10" touchscreen gives users quick and secure access to the most important information and machine parameters at all times. This information includes high-resolution images from the two standard cameras. Pressure and volume settings for up to 10 auxiliary devices can also be quickly controlled, including automatic machine diagnostics and maintenance intervals. Simple handling, intuitive menu navigation and the option to select the language prevent operating errors. Incidentally, the 10" touchscreen also works reliably when wearing gloves.



RENTABILIDAD

FLEXIBILITY AT THE TOUCH OF A BUTTON

The preparation for the hydraulic quick coupler is included as standard and is integrated into the operating concept. Both control circuits allow individual adjustments to be made. The desired parameters can be saved for the various work tools and accessed at any time. For greater ease of operation and faster tool changes, the crawler excavator has been equipped with a new multi-way valve.

The changeover from hammer to shear hydraulic systems can also be conveniently operated from the cab thanks to an electronically controlled valve. This means that everything is ready for a quick and complete hydraulic changeover.



PROFITABILITY

Maximise power, minimise consumption

The water-cooled six-cylinder engine provides the power needed to deliver perfect, continuous grip in excavations, quarries or demolition sites. What's more, it not only meets the requirements of Stage III emissions standards, but is also extremely fuel-efficient and quiet.



ENGINE

| | |
|--------------------|---------------------------|
| Model | ISUZU 6HK1XDHAG-01-C3 |
| Type | Water-cooled, 6 cylinders |
| Emission standards | Stage III |
| Power | 212 kW / 2 000 rpm |
| Maximum torque | 1 080 Nm / 1 500 rpm |
| Displacement | 7 790 ccm |
| Batteries | 2 x 12 V / 120 Ah |

HYDRAULIC SYSTEM

| | |
|----------------------|--|
| Main pump | 2 electronically controlled axial piston pumps |
| Max. oil flow | 2 x 316 l/min |
| Drive | Variable axial piston motor |
| Swivel motor | Axial piston motor |
| Max. oil flow (AUX1) | 550 l/min |

PRESSURE RELIEF VALVES

| | |
|------------------------------|---------|
| Boom circuit | 343 bar |
| Power amplifier (Powerboost) | 373 bar |
| Swing circuit | 300 bar |
| Travel circuit | 343 bar |
| Pilot circuit | 39 bar |

SERVICE FILLING QUANTITIES

| | |
|-----------------------------|-------|
| Fuel tank | 646 l |
| Engine coolant | 28 l |
| Engine oil | 36 l |
| Travel drive (per side) | 8.5 l |
| Hydraulic system | - |
| Hydraulic oil tank | 380 l |
| Coolant (R134a – GWP: 1430) | - |
| CO ₂ e | - |

POWER

| | |
|-----------------------------------|-------------------------|
| Swing speed | 9.5 rpm |
| Maximum travel speeds fast, slow | 5.5 km/h, 3.5 km/h |
| Maximum traction force | 320 kN |
| Lifting capacity | 35° |
| Bucket capacity | 1.6 m ³ |
| Ground pressure | 0.65 kg/cm ² |
| Maximum bucket breakout force ISO | 235 kN |
| Maximum arm traction force ISO | 180 kN |

OPERATING WEIGHT

| | |
|------------------|-----------|
| Operating weight | 37 100 kg |
|------------------|-----------|

UNDERCARRIAGE AND SUPERSTRUCTURE

| | |
|-----------------|---|
| Boom length | 6 500 mm |
| Arm length | 2 900 mm |
| Rollers | 9 |
| Support rollers | 2 |
| Swivel system | Planetary gear driven by axial piston motor, hydraulically operated automatic parking brake |

LIFTING CAPACITIES*

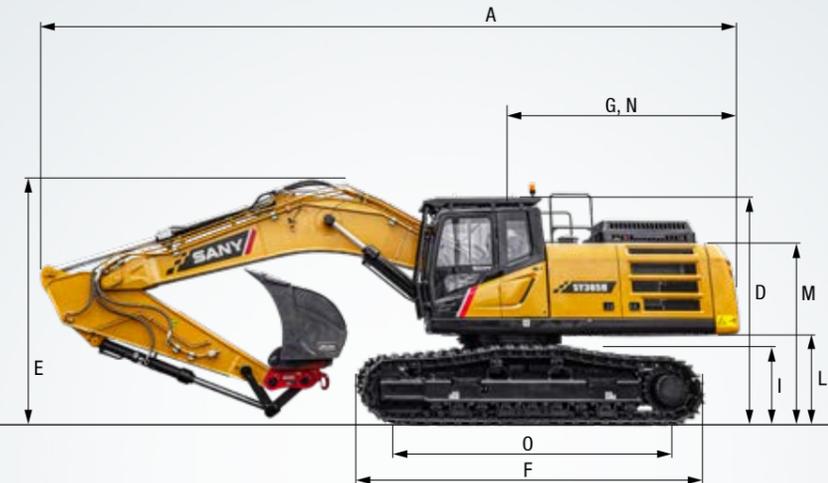
| Loading point height | Radius | | | | Maximum range | |
|----------------------|---------------|---------------|---------------|--------------|---------------|-------------|
| | 3.0 m | 4.5 m | 6.0 m | 7.5 m | Capacity | mm |
| 7.5 m kg | | | | | 7 445 7 445 | 7 508 7 508 |
| 6.0 m kg | | | 7 838 7 838 | 7 674 7 674 | 7 723 7 322 | 8 523 |
| 4.5 m kg | 11 274 11 274 | 9 313 9 313 | 8 386 8 386 | 7 958 6 583 | 9 061 | |
| 3.0 m kg | 14 855 14 855 | 11 028 11 028 | 9 281 8 384 | 8 215 6 203 | 9 326 | |
| 1.5 m kg | 17 214 15 870 | 12 456 10 851 | 10 093 8 122 | 8 497 6 084 | 9 340 | |
| Floor line kg | 17 899 15 543 | 13 244 10 561 | 10 601 7 937 | 8 809 6 211 | 9 106 | |
| -1.5 m kg | 15 981 15 981 | 17 531 15 505 | 13 318 10 454 | 10 642 7 861 | 9 150 6 646 | 8 601 |
| -3.0 m kg | 22 155 22 155 | 16 347 15 648 | 12 638 10 508 | 9 971 7 921 | 9 513 7 591 | 7 773 |
| -4.5 m kg | 18 794 18 794 | 14 113 14 113 | 10 852 10 750 | | 9 851 9 728 | 6 494 |

* With chain plate width of 600 mm

DIMENSIONS

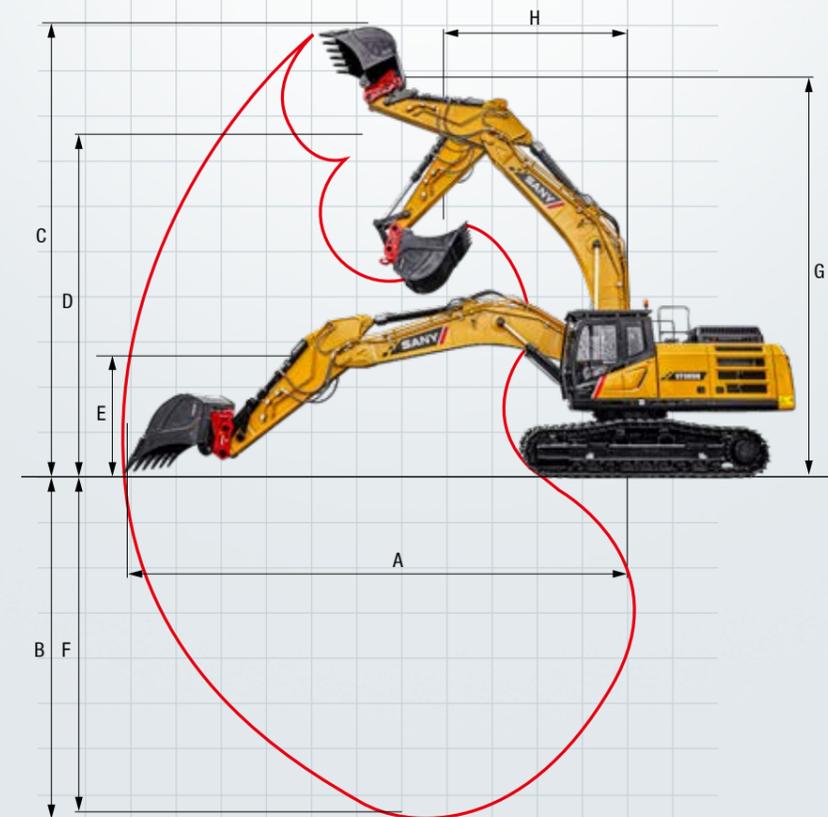
| | |
|---|-----------|
| A Overall length | 11 530 mm |
| B Overall width * | 3 190 mm |
| C Overall width of superstructure | 2 986 mm |
| D Overall height above cab | 3 320 mm |
| E Overall height of boom | 3 545 mm |
| F Length of undercarriage | 5 065 mm |
| G Rear length | 3 070 mm |
| H Wheelbase | 2 390 mm |
| I Track height | 1 080 mm |
| J Track plate width | 600 mm |
| K Minimum ground clearance | 550 mm |
| L Counterweight ground clearance | 1 250 mm |
| M Engine bonnet height | 2 760 mm |
| N Turning radius | 3 070 mm |
| O Distance (centre) between track wheel and guide wheel | 4 140 mm |

* With chain plate width of 600 mm



WORK AREA

| | |
|---|-----------|
| A Max. reach | 10 780 mm |
| B Max. digging depth | 7 050 mm |
| C Max. lift height | 10 570 mm |
| D Max. dump height | 6 920 mm |
| E Min. dump height | 2 413 mm |
| F Max. digging depth vertical wall | 7 050 mm |
| G Total height with min. turning radius | 9 085 mm |
| H Min. turning radius | 4 495 mm |



With numerous extras included as standard

This powerful machine comes equipped with many extras as standard. From the comfortable driver's cab to the automatic hydraulic system switchover, it makes everyday use more efficient and safer.



EASY TO OPERATE / CAB

| | |
|-------------------------------------|---|
| Automatic climate control | ● |
| Radio with speaker | ● |
| Adjustable armrests | ● |
| 12 V connection | ● |
| USB connection (music) | ● |
| Air suspension seat | ● |
| Heated seat | ● |
| Sunroof | ● |
| Integrated cooling compartment | ● |
| 10" touchscreen | ● |
| ROPS/FOPS cab with front protection | ● |
| Rubber mat | ● |

WORK EQUIPMENT

| | |
|---|---|
| Safety valves on boom and arm | ● |
| Double-acting hydraulic circuit for quick coupling, including pipe system | ● |
| Hammer installation | ● |
| Rotation circuit on control lever, including pipe system | ● |
| Part installation | ● |
| Adjustable oil flow for auxiliary devices | ● |
| Adjustable oil pressure for auxiliary devices | ● |

UNDERCARRIAGE

| | |
|---------------------------|---|
| 600 mm double-wall panels | ● |
| 600 mm triple-wall panels | ● |
| Fastening rings | ● |

WORK LIGHTING

| | |
|----------------------------|---|
| LED work light, front roof | ● |
| LED work light, boom | ● |
| LED work light, platform | ● |
| LED work light, rear roof | ● |

ENGINE COMPARTMENT

| | |
|----------------------------|---|
| Automatic speed adjustment | ● |
| Refuelling pump | ● |
| DPF | ● |
| DOC | ● |

HYDRAULIC SYSTEM

| | |
|--|---|
| Swing brake | ● |
| 2 travel speeds | ● |
| Pipes for additional control circuit 1 | ● |
| Pipes for additional control circuit 2 | ● |
| Hydraulic servo control of the control lever | ● |

SAFETY

| | |
|---------------------------|---|
| Battery disconnect switch | ● |
| Tilt alarm | ● |
| Omnidirectional lights | ● |
| Camera (rear) | ● |
| Camera (right) | ● |
| Handrail | ● |
| Lockable covers | ● |
| Lockable fuel tank cap | ● |

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: 0.9 kg, CO2e: 1.29 t

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



Parts supply: fast and reliable

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



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.

KEY FEATURES **SY365H**

STRENGTH AND FLEXIBILITY



High efficiency and surprising flexibility: this is how you invest sustainably in your company's leadership. For this reason, we paid special attention to durability and reliability during the development phase. We also focused on user needs, to enable them to work without fatigue and with precision.

STABLE BASE

The HD undercarriage not only guarantees stability in challenging tasks, but also provides the basis for maximum service life and performance.

AS COMFORTABLE AS IT IS PRODUCTIVE

The redesigned cab is designed to feel good. Improved ergonomics, clear organisation of the controls and a comfortable, individually adjustable seat with integrated control panels make this workplace a place to feel good.

ALWAYS ON THE SAFE SIDE

The arm of the bucket and the boom are designed to offer maximum lifting capacity. The areas that are most heavily loaded during daily construction work have been manufactured as high-strength castings. This reduces the load stress and extends the service life.

EVERYTHING AT A GLANCE

Two cameras are installed so that the driver always has a clear view of their entire working environment. The display shows high-resolution images, either individually or combined. The new flat bonnet and the new counterweight that completes the bonnet further optimise visibility.

OPTIMISED EFFICIENCY

It unleashes its great power at work. The Isuzu diesel engine and Kawasaki's powerful hydraulic system also tackle the toughest challenges and combine dynamics, precision and endurance.

MAXIMUM PRODUCTIVITY

Flexibility is evident when it comes to preparing for new tasks. Choose the optimum operating mode for different tasks: high power or minimum fuel consumption. Two additional proportional control circuits as standard allow for exemplary flexibility with different auxiliary devices.

KEY TECHNICAL FEATURES – SY365H

| | |
|----------------------|---|
| Engine | ISUZU 6HK1XDHAG-01-C3 |
| Power | 212 kW / 2 000 rpm |
| Maximum torque | 1 080 Nm / 1 500 rpm |
| Maximum travel speed | 5.5 km/h |
| Rotational speed | 9.5 rpm |
| Axial main pump | 2 electronically controlled piston adjustment pumps |
| Maximum oil flow | 2× 316 l/min |



“PRECISE AND POWERFUL”

Manu – Ets FRADET France

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**

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