

**MACHINERY  
SPECIALISTS  
L I M I T E D**

**SANY**

# CHAMPION IN ITS CATEGORY

RELIABLE.  
PROFITABLE.  
PRODUCTIVE.



CONSTRUCTION MACHINERY



**COMPACT EXCAVATOR  
SY135C**

Engine  
**ISUZU 4JJ1X Stage III**  
Power  
**73 kW / 2000 rpm**  
Bucket capacity  
**0.6 m<sup>3</sup>**  
Operating weight  
**14870 kg**

# SANY

**The most demanding tasks require a first-class partner.**

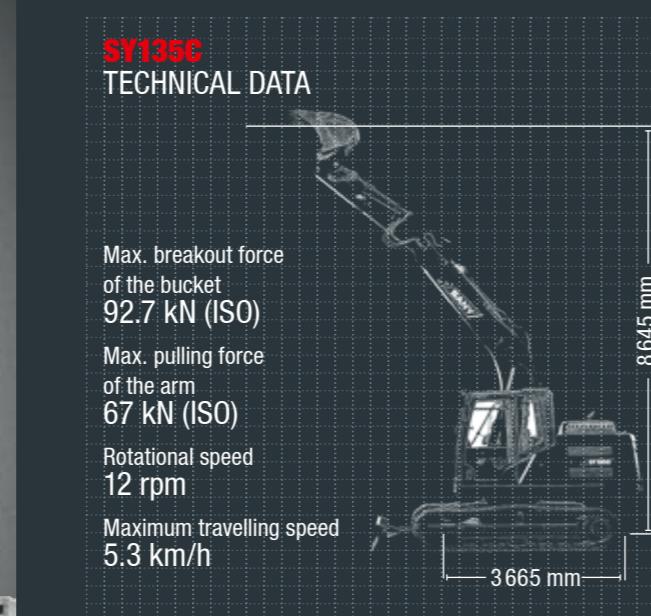
Quality comes from experience. And from innovative ideas. That's why at SANY we combine these two important factors. Because we are one of the leading manufacturers, with more than **500,000** excavators sold **worldwide**. Given this, you can trust our advanced products, tested in the construction field. 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



## REINVENTING COMPACT EXCAVATORS

Despite its compact design, the SANY SY135C delivers impressive performance and versatility. This universal machine excels at digging, breaking, loading and filling. It is ideal for road and canal construction or demolition work. Thanks to its power, the machine achieves a high digging force that would only be possible with much larger machines. And all this with a surprisingly large operating radius. This saves time, as the excavator does not need to be moved around the site as often. Speaking of movement, the

machine's compact dimensions make it easy and safe to transport. Thanks to its unique gear ratio control, optimum speed and thrust are always provided. The modern hydraulic system (positive flow controlled) with two variable axial piston pumps and an additional pump ensures direct response with improved machine performance efficiency. The Isuzu common rail diesel engine complies with the most stringent exhaust emission standard (Stage III) and stands out for its durability, fuel efficiency and customer satisfaction.

# HIGH PERFORMANCE WITH LOW CONSUMPTION

Work harder while consuming less fuel: the sophisticated engine and hydraulic concept of the SY135C make it possible. The super-powerful diesel engine, with common rail technology and AdBlue emission control, delivers maximum torque of 365 Nm at 1,600 rpm. In addition, the choice of different operating modes and automatic speed reduction significantly optimise fuel consumption. In this way, performance is combined with efficiency. The savings achieved through improved fuel efficiency result in attractive benefits in terms of profitability.

## CONSTRUCTION

**Proven durability:** high-quality components improve the machine's longevity, increasing maintenance and service intervals. The bearing system with support rollers mounted on both sides is a first in this class.



## SAFETY

**Complete protection:** in addition to the camera system, omnidirectional light and movement alarm, the security package also includes protective plates over the cylinder locks.

## DIMENSIONS

**Compact power:** as a compact excavator, the SANY SY135C works very efficiently. Great performance and impressive stability: a perfect combination for completing all tasks quickly and reliably on site.

## EASE OF USE

**Easy maintenance:** the bonnet can be opened completely and the most important components are clearly arranged in a central location, making maintenance and servicing quick and easy. In addition, the 7" touchscreen stands out for its high resolution and intuitive operation.

## SAFETY

### Without losing sight of the work area

Two protected cameras provide extra safety during all work, or when reversing, for example. The corresponding camera views are displayed accurately on the high-resolution 7" screen.



## CONSTRUCTION

### With added robustness

Durability and robustness are standard features on all SANY excavators. The reinforced structure of the SY135C gives the machine exemplary stability, thus extending the excavator's service life. In addition, the support rollers are mounted on both sides, which is a

considerable improvement in terms of durability and chain guidance. Furthermore, all cladding parts are made exclusively from sheet metal, making them particularly resistant and simplifying repairs if there is an obstacle in the way.

## COMPONENTS

### Flexibility as standard

All hydraulic preparation for the quick-release coupling system ensures that the function is perfectly integrated into the control menu and makes changing devices easier, faster and safer. Another added advantage: it saves time and costs compared to retrofitting. The two individually adjustable proportional control circuits are part of the SY135C's standard equipment. The rotation circuit is also powered by a separate pump to ensure smooth operation at all times, even when several movements are controlled simultaneously.





## EASE OF USE

**Control with precision**

The joystick control allows intuitive operation of all the excavator's functions. The hydraulic system's valve control reacts immediately to commands. This, combined with automatic speed adjustment, allows you to work accurately and safely and ensures that the machine runs smoothly, achieving greater efficiency and lower fuel consumption. Not to mention the large, high-resolution 7" touchscreen, which is easy to read and navigate and displays all the important information.

## EASE OF USE

**SUPERIOR CLASS  
IN DRIVER COMFORT**

One of the most important features of the SY135C is its driver comfort. The well-insulated cab reliably protects the operator from noise and vibrations, as well as high and low temperatures. The air-suspension seat, supplied as standard, offers unbeatable comfort and protection against fatigue thanks to its high backrest and various adjustment options. The new high-resolution 7" touchscreen is very convenient: the touchscreen monitor can be operated safely even when wearing gloves. Plenty of space and freedom of movement, a 12 V socket, adjustable ventilation, heating and air conditioning, plenty of storage space, various storage compartments and many other details complete the comfort package.

**Our key features.****The advantages of SANY Plus:**

- ⊕ Rear camera
- ⊕ 1 additional proportional control circuit as standard
- ⊕ Large, high-resolution 7" touchscreen
- ⊕ Hydraulic preparation for quick-release coupling system
- ⊕ Comprehensive safety equipment
- ⊕ LED work lights



## EASE OF USE

**Multipurpose display**

Thanks to its numerous comfort features, the large 7" touchscreen greatly reduces driver fatigue. In addition to monitoring key machine parameters, the screen offers other options. For example, it allows you to view high-resolution images from the rear camera or conveniently adjust the hydraulic parameters of various auxiliary devices.



## DIMENSIONS

**EVERYTHING  
AT YOUR  
FINGERTIPS**

The SY135C impresses on site with its stability and robustness, and thanks to these two qualities, it is able to deliver its power wherever it is needed.

It also has a wide working radius: the maximum reach is 8,270 mm and the maximum digging depth is 5,500 mm. The heavy push blade gives it additional stability.

## ENGINE

Model	ISUZU GJ-4JJ1XKSC Stage III
Type	Water-cooled, 4 cylinders, with common rail system and AdBlue
Emission standards	Stage III
Power	73 kW / 2000 rpm
Maximum torque	365 Nm / 1600 rpm
Displacement	2999 cc
Batteries	2 x 12V / 120 Ah

## SERVICE FILLING QUANTITIES

Fuel tank	250 l
Engine coolant	23.6 l
Engine oil	15 l
Travel drive (per side)	1,8 l
Hydraulic system	20 l
Hydraulic oil tank	150 l

## POWER

Rotation speed	12 rpm
Maximum travel speed	Fast 5.3 km/h, slow 3.5 km/h
Maximum traction force	110 kN
Climbing ability	35°
Bucket capacity	0.6 m³
Ground pressure	0.39 kg/cm²
ISO bucket breakout force	92.7 kN
ISO arm traction force	66 kN

## LOWER AND UPPER THRUST PLATE LOAD CAPACITIES \*

Loading point height	Radius							Maximum Range	
	2.0 m	3.0 m	4.0 m	5.0 m	6.0 m	6.0 m	7.0 m	Capacity	mm
7.0 m kg	3200	3200						2550	2550
6.0 m kg		3150	3150					2250	2250
5.0 m kg			3500	3500	2400	2400	2400	2100	2100
4.0 m kg			3950	3950	3700	3500	3550	2650	6066
3.0 m kg		5800	5800	4650	4650	4050	3400	3700	2650
2.0 m kg			7500	6800	5450	4500	4500	3300	3950
1.0 m kg				6800	6450	6150	4300	4900	3200
Floor line kg					6750	6300	6500	4200	4900
-1.0 m kg	4550	4550	8450	6250	6550	4100	5200	3050	4250
-2.0 m kg	6900	6900	8150	6300	6300	4100	5000	3050	3950
-3.0 m kg	9600	9600	7200	6350	5600	4150	4350	3100	3750
-4.0 m kg			5500	5500	4150	4150			4402

\* with chain plate width of 600 mm

## OPERATING WEIGHT

SY135C 14 870 kg

## PRESSURE RELIEF VALVES

Boom circuit	343 bar
Swing circuit	250 bar
Travel circuit	343 bar
Pre-control circuit	39 bar

## HYDRAULIC SYSTEM

Main pump	2 x axial piston control pump with electronic regulation
Max. oil flow	2 x 110 l/min
Drive	Variable axial piston motor
Swivel motor	Axial piston motor
Max. oil flow (AUX1)	110 l/min

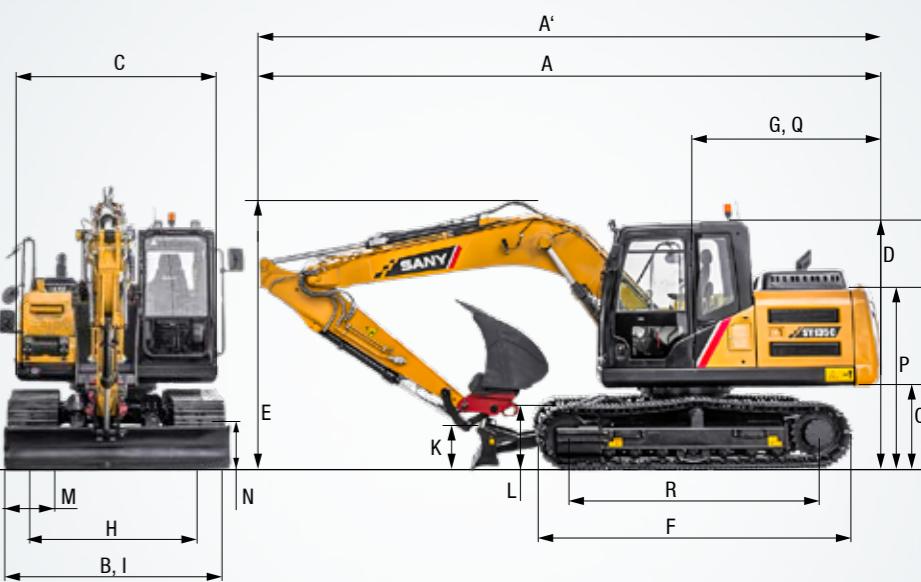
## LOWER AND UPPER BODY

Boom length	4600 mm
Arm length	2500 mm
Roller	7
Support rollers	1
Swivel system	Planetary gear driven by axial piston motor, hydraulically operated automatic parking brake

## DIMENSIONS

A Overall length	8100 mm
A' Overall length (push blade)	8850 mm
B Overall width*	2590 mm
Overall width**	2490 mm
Overall width***	2690 mm
C Overall width of upper body	2490 mm
D Overall height of cab	2820 mm
E Overall height of boom	3070 mm
F Overall length of lower body	3665 mm
G Rear length	2205 mm
H Wheelbase	1990 mm
I Lower body width (dozer blade)*	2590 mm
Lower body width (dozer blade)**	2490 mm
J Horizontal distance to dozer blade	2650 mm
K Dozer blade height	480 mm
L Chain height	815 mm
M Chain plate width	500 mm 600 mm 700 mm
N Min. ground clearance	425 mm
O Rear weight ground clearance	910 mm
P Bonnet height	2350 mm
Q Rear turning radius	2410 mm
R Distance (centre) between drive wheel and steering wheel	2930 mm

\* with chain plate width of 600 mm  
 \*\* with chain plate width of 500 mm  
 \*\*\* with chain plate width of 700 mm

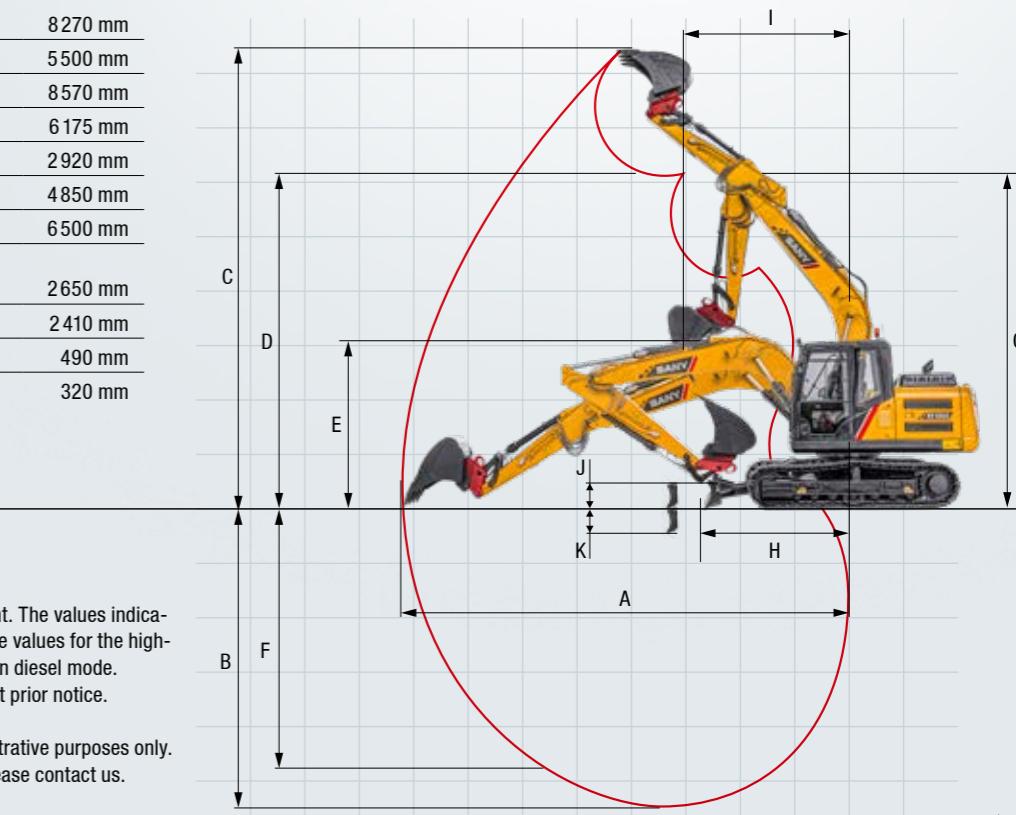


## WORK AREA

A Maximum reach	8270 mm
B Maximum digging depth	5500 mm
C Maximum cutting height	8570 mm
D Maximum dumping height	6175 mm
E Minimum dumping height	2920 mm
F Max. excavation depth vertical wall	4850 mm
G Total height with min. turning radius	6500 mm
H Boom head distance with max. retraction working devices	2650 mm
I Min. turning radius	2410 mm
J Max. dozer blade lift above ground	490 mm
K Max. dozer blade penetration	320 mm

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.

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



# EQUIPMENT



## EASY TO OPERATE / CAB

Air suspension seat	●
Heating	●
Automatic climate control*	●
Radio with speaker	●
Adjustable armrests	●
12 V connection	●
Windscreen wipers	●
7" touchscreen	●
Sunroof	●
Integrated cooling compartment	●
Additional proportional control circuit 1 on joystick	●
Integrated cooling compartment	●

## WORK LIGHTING

LED work light, front roof	●
LED work light, boom	●
LED work light, platform	●

## SAFETY

Battery disconnect switch	●
Driving alarm	●
Rotating beacon	●
Rear camera	●

Standard equipment ● Special option ●

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

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: 0.85 kg, CO<sub>2</sub>e: 1.22 t

## 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 down-times and minimal inactivity.

## WORK EQUIPMENT

Safety valve on boom and arm with overload indicator	●
Double-acting hydraulic circuit for quick coupling incl. hose system	●
Hammer installation	●
Attachment installation	●
Adjustable oil flow for accessories	●

## HYDRAULIC SYSTEM

Swing brake	●
2 travel speeds	●
Hydraulic control of the control lever	●
Tubes for additional control circuit 1	●
Main filter	●

## ENGINE COMPARTMENT

Automatic speed adjustment	●
Refuelling pump	●

## LOWER BODY

Steel chain	●
Cylinder protectors – dozer blade	●
Fastening rings	●

**SY135C**

# A SERVICE YOU CAN RELY ON

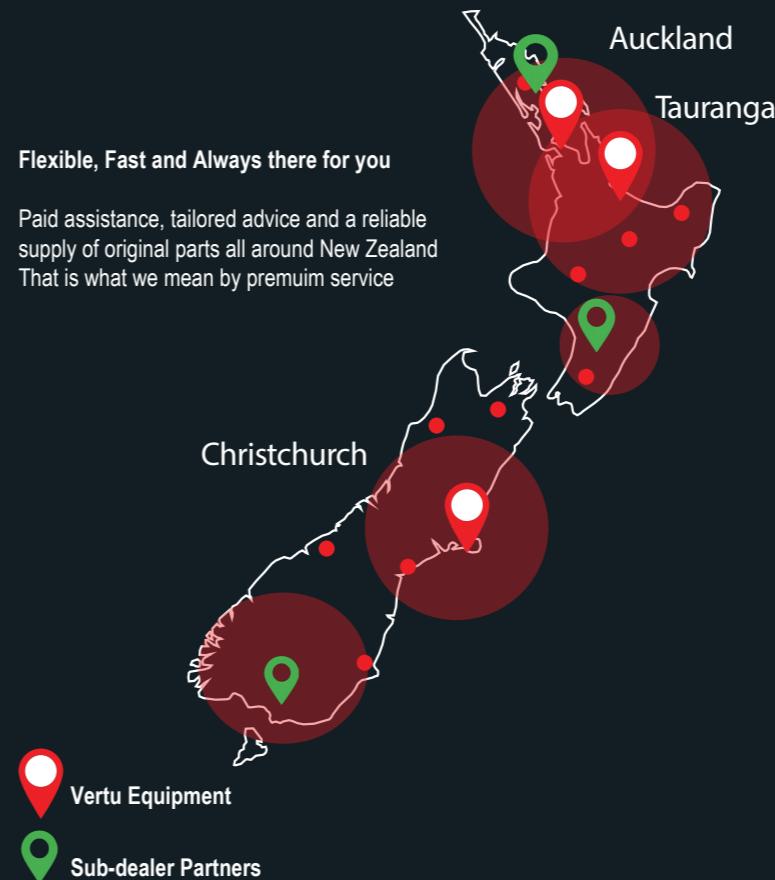
In the event of a breakdown during your warranty period, Vertu will come to your site as soon as possible to get your machine back up and running.

### 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.



### 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.

# KEY FEATURES **SY135C**



## PERFORMANCE YOU CAN ALWAYS COUNT ON

The SY135C proves beyond doubt that the performance of a compact excavator does not have to be determined by its size. With a total weight of just 15 tonnes, it offers an optimum balance between power and mobility. Added to this is the high degree of stability provided by the sturdy, robust and wide undercarriage and the stable dozer blade. This allows you to apply its power perfectly in a wide range of applications, wherever other machines would have to be used.

### QUALITY MAKES THE DIFFERENCE

**High-quality materials** and meticulous workmanship are the basis for a **long service life**. This is part of a well-thought-out concept: for example, the pen is made from a single sheet of metal at **both the top and bottom** and is welded continuously from front to back.

### COMPACT STRENGTH

The machine has been developed with every detail taken into account to ensure **excellent digging power and maximum stability**, thus offering numerous advantages.

### SIMPLE MAINTENANCE

All routine checks and maintenance work on the machine can be carried out quickly and easily. For example, many of the machine's bearings can be **lubricated from a single point using grease nipples**.

### COMPLETE PROTECTION

Safety for people, machines and the working environment is paramount for SANY. The **safety equipment** on the SY135C includes, among other things, **a travel alarm and an omnidirectional light**. The **camera in combination with the high-resolution 7" touchscreen** is an indispensable component of the safety equipment.

### EXCELLENT DESIGN

The SY135C stands out for its flexibility in any application. Thanks to the **hydraulic system**, different auxiliary devices can be added without having to choose additional options.

### STRENGTH AND EFFICIENCY

The **automatic idle function** adjusts the engine speed to the power required in combination with the electronic injection system. In addition, the intelligent hydraulic system reduces **fuel consumption**, engine wear and exhaust emissions.

### KEY TECHNICAL FEATURES

Engine	ISUZU GJ-4JJ1XKSC Stage III
Power	73 kW / 2000 rpm
Maximum torque	365 Nm / 1600 rpm
Maximum travel speed	5.3 km/h
Rotational speed	12 rpm
Main pump	2 x axial piston pump with electronic control
Maximum oil flow	2 x 110 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.



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