

SY215C

SANY

supported by **Putzmeister**



POWER AND PRECISION

LASTING STRENGTH. EXEMPLARY VERSATILITY.

CONSTRUCTION MACHINERY



CRAWLER EXCAVATOR
SY215C

Engine
Mitsubishi Fuso 4M50
Power
118 kW / 2000 rpm
Bucket capacity
0.93 m³
Operating weight
21 900 kg

SANY

SY215C

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



SY215C TECHNICAL DATA

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

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

Rotational speed
11 rpm

Maximum travelling speed
5.4 km/h



THE SPECIALIST IN VERSATILITY

With the SANY SY215C crawler excavator, you can get more work done. No matter where you use it, it always applies its power with precision. Every detail has been specifically developed for the tough demands of the job site. This excavator is a true all-rounder and a specialist in any discipline, from fast loading to precise excavation and demolition.

It is particularly characterised by its ability to control its enormous power with great precision, for maximum productivity and a quick return on investment.



KEY FEATURES

PROFITABILITY

SUCH POWERFUL PERFORMANCE AND SUCH LOW CONSUMPTION

The highly efficient engine with common rail technology guarantees exceptional performance. Four operating modes for different conditions of use adapt the performance of the engine and hydraulic system to the requirements of the machine. This improves the performance of the components.

Fuel consumption and emissions are already at a very low level following adaptation to STAGE III emissions, and are reduced even further. For greater efficiency with fewer components: for the first time, without exhaust gas recirculation.

CONSTRUCTION

Tough and robust: the SY215C can be used when the going gets tough, which is why it needs to be able to withstand a lot. This is no problem for it, as with its reinforced, extremely **robust undercarriage and clean, robot-welded joints**, it is the perfect machine for the tough everyday conditions on the construction site.

EASE OF USE

A comfortable workplace: **the SY215C cab** exceeds all expectations. All controls are within easy reach from the air-suspension seat with comfortable backrest. The same applies to **maintenance and servicing:** thanks to large, easily accessible maintenance covers and the clear layout of the most important components, this work can be carried out **quickly and easily**.

DIMENSIONS

Agile power: the SY215C is both fast and powerful. Its more than 23 tonnes contain plenty of power reserves. The machine is mounted on a stable, reinforced undercarriage so that you can exploit its full potential.



SAFETY

Safety as a productive factor: only by working safely can you work profitably. That's why the **comprehensive safety package** includes everything as standard, from LED headlights and omnidirectional lighting to a safety valve for the boom, overload warning for lifting and two cameras **as standard**.

COMPONENTS

Tried and tested, high quality: the water-cooled Mitsubishi Fuso diesel engine with common rail technology guarantees **reliable performance** even under the toughest working conditions. The package is rounded off by a well-tuned hydraulic system from Kawasaki.

PROFITABILITY

Power and efficiency: the intelligent hydraulic control system adapts the pumping capacity to the available engine power. This means **greater efficiency and lower fuel consumption**, resulting in **exceptional profitability**.

SY215C

PROFITABILITY

Profitability thanks to maximum flexibility

Digging, loading, demolishing, transporting, hammering... The SANY 215C tackles the most diverse tasks without hesitation and without long reconfiguration or waiting times. Thanks to the pre-installation of the quick-release hydraulic system, many auxiliary devices can be mounted. Different working modes ensure optimum efficiency at all times.



PROFITABILITY

EVERYTHING IN VIEW, EVERYTHING UNDER CONTROL

In order to achieve efficient work on site, the operating pressures and desired oil quantities for the two additional proportional control circuits can be saved for up to five attachments per category.

To do this, simply enter the name of the tool on the high-resolution 10" touchscreen and assign the desired value. This makes changing attachments on the job site quick and easy, significantly reducing time and costs.

In addition, the large touchscreen with its simple menu structure allows for intuitive navigation and control of all important parameters.



PROFITABILITY

Well changed

The preparation for hydraulic quick coupling comes as standard and is integrated into the operating concept. The powerful electrical system comes as standard with numerous functions that give the crawler excavator maximum flexibility. One of the new functions makes changing tools easier

and faster. When switching from the hammer to the hydraulic shear, the hammer valve is changed via the display. In combination with the appropriate quick-change systems, the changeover of attachments can therefore be carried out entirely from the cab.



EASE OF USE

THE NEW COMFORT ZONE

In order for the driver to concentrate fully on their work, they must first be seated comfortably. The individually adjustable seat with air suspension provides a comfortable workplace from which all controls can be easily reached. At the centre, alongside the ergonomic controls, is the 10" touchscreen. It displays the images from the two cameras in great detail and, thanks to its intuitive operation, allows all relevant machine parameters to be easily adjusted in all common European languages. Naturally, the consoles move up and down with the seat to provide the best possible protection for the operator, even in the event of an impact. The flat-design engine cover allows a clear view of the rear working area.

It includes air conditioning to maintain a comfortable temperature in the cab even in summer, powerful heating, a radio with additional USB so that the driver can connect their own audio devices, as well as large storage compartments to keep everything you need close at hand.

EASE OF USE

Minimising maintenance times and increasing operating time

All important components for maintenance are easily accessible. This allows maintenance and servicing to be carried out efficiently and safely, reducing unproductive downtime and increasing machine availability.

Above all, routine daily checks are quick, uncomplicated and safe thanks to the handrails and non-slip steps. Many maintenance tasks, such as cleaning the air filter, can be carried out from the ground.



CONSTRUCTION

A very stable base

Machines take on a lot of work in the tough day-to-day reality of construction sites. That is why, from the selection of materials used to the finishes and final checks, all SANY excavators are designed to be robust. For example, all welds are computer-controlled by robots; this extraordinary precision guarantees stability and reliability.



COMPONENTS

More power thanks to improved hydraulics

The position-controlled hydraulic system adjusts the pressure and oil quantity required based on demand. The powerful variable piston pumps achieve a flow rate of 2 x 241 l/min, resulting in very high efficiency at low revs.



Our key features. The advantages of SANY Plus:

- + Large 10" high-resolution touchscreen
- + 2 cameras
- + Seat with adjustable consoles
- + 5 different attachments per programmable category (name, pressure, oil quantity)
- + 2 proportional control circuits as standard
- + Convenient switching of the hammer/shear hydraulic system

SAFETY

The best visibility even in low light conditions

Good visibility is essential for accurate and fast work. The SY215C provides sufficient light even in the worst conditions. Two LED headlights on the roof and two LED headlights on the boom, as well as one on the superstructure and one LED headlight directed towards the rear, illuminate the working area. The high-quality LED lights not only stand out for their particularly good illumination, but also because they consume little power, have a long service life and require hardly any maintenance. For added safety, two cameras capture all the machine's blind spots. With a single touch, the images can be combined and displayed individually on the high-resolution screen.



ENGINE

Model	Mitsubishi Fuso 4M50
Type	Water-cooled, 6 cylinders, with common rail system
Emission standards	Stage III
Power	118 kW / 2000 rpm
Maximum torque	620 Nm / 1500 rpm
Displacement	4900 cc
Batteries	2 × 12 V / 120 Ah

HYDRAULIC SYSTEM

Main pump	2 x electronically controlled axial piston pump
Max. oil flow	2 x 234 l/min
Drive	Variable axial piston motor
Swivel motor	Axial piston motor
Max. oil flow (AUX1)	400 l/min

PRESSURE RELIEF VALVES

Pen circuit	343 bar
Power amplifier	373 bar
Rotation circuit	275 bar
Translation circuit	343 bar
Pre-control circuit	39 bar

SERVICE FILLING QUANTITIES

Fuel tank	340 l
Engine coolant	29 l
Engine oil	22 l
Travel drive (per side)	5 l
Hydraulic system	45 l
Hydraulic oil tank	239 l

POWER

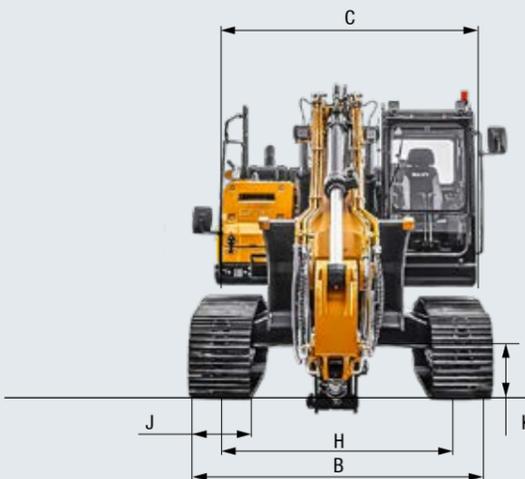
Rotation speed	11 rpm
Maximum travel speed	Fast 5.4 km/h, slow 3.3 km/h
Maximum traction force	207 kN
Climbing ability	35°
Bucket capacity	0.93 m ³
Ground pressure	0.47 kg/cm ²
ISO bucket breakout force	138 kN
ISO arm traction force	103 kN

LOWER AND UPPER BODY

Boom length	5700 mm
Arm length	2900 mm
Roller	9
Support rollers	2
Swivel system	Planetary gear driven by axial piston motor, hydraulically operated automatic parking brake

OPERATING WEIGHT

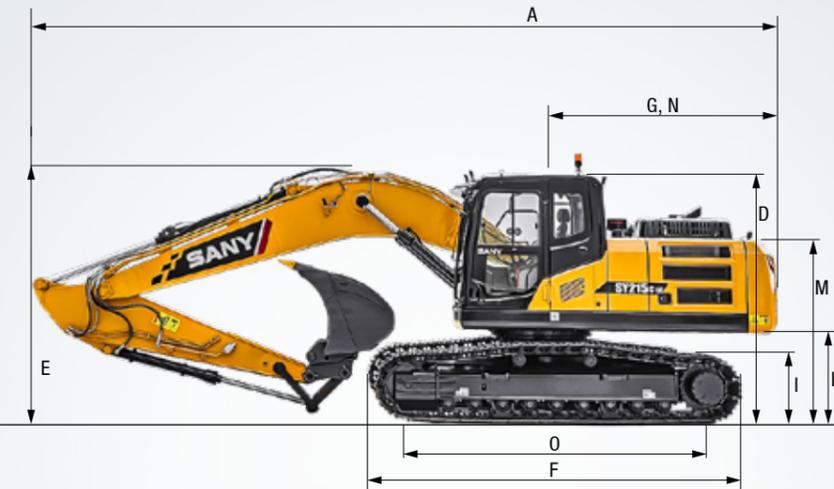
SY215C 23550 kg



DIMENSIONS

A Overall length	9680 mm
B Overall width	2980 mm
C Overall width of upper body	2753 mm
D Overall height of cab	3255 mm
E Overall height of boom	3440 mm
F Overall length of lower body	4250 mm
G Rear length	2900 mm
H Wheelbase	2380 mm
I Chain height	965 mm
J Chain plate width	600 mm
K Min. ground clearance	440 mm
L Rear weight ground clearance	1090 mm
M Bonnet height	2450 mm
N Rear turning radius	2900 mm
O Distance (centre) between sprocket and steering wheel	3445 mm

* with chain plate width of 600 mm



LOAD CAPACITIES*

Loading point height	Radius				Max. height		
	3.0 m	4.5 m	6.0 m	7.5 m	Capacity		
7.5 m kg			4232	4232	3449	3449	6200
6.0 m kg			5360	5150	5290	5130	7300
4.5 m kg			5900	5973	5380	5010	7980
3.0 m kg		7499	7499	6570	6530	5690	4830
1.5 m kg		8954	8197	7360	6330	6170	4540
Floor line kg	7389	7389	9726	7832	7123	5265	5689
-1.5 m kg	11637	11637	9745	7710	7221	5161	5589
-3.0 m kg	12677	12677	9026	7778	6691	5160	
-4.5 m kg	9843	9843	7102	7102			

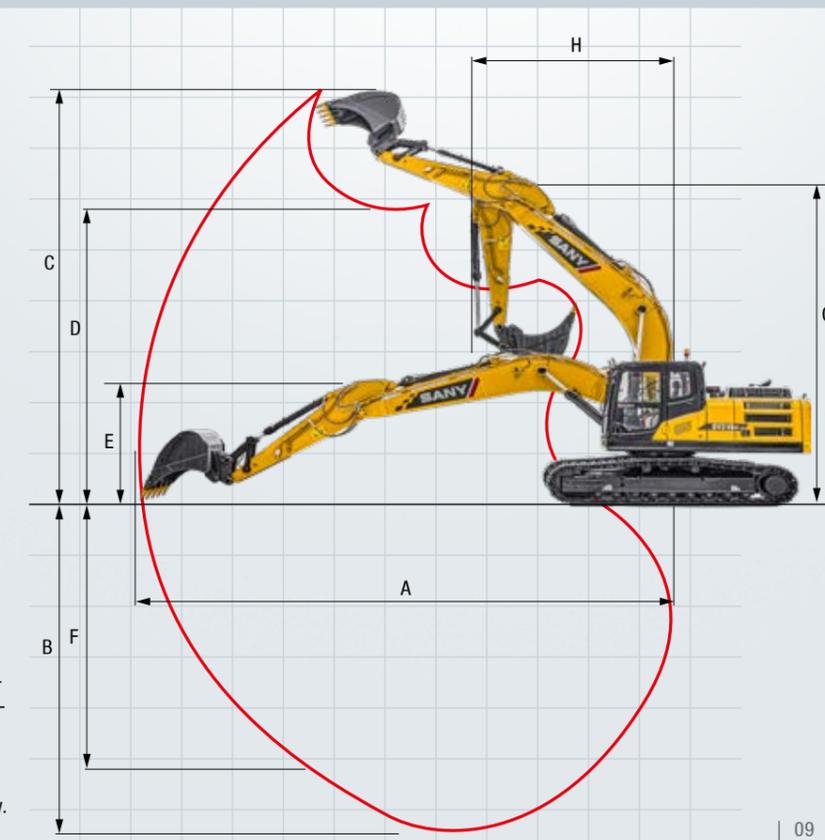
* with chain plate width of 600 mm

WORK AREA

A Maximum reach	10280 mm
B Maximum digging depth	6600 mm
C Maximum cutting height	9600 mm
D Maximum dumping height	6730 mm
E Minimum dumping height	2470 mm
F Maximum digging depth, vertical wall	5886 mm
G Total height with minimum turning radius	7680 mm
H Minimum turning radius	3730 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.



Versatile strength

With the SANY SY215C, you don't need to worry about extras. Everything you need to do a pleasant and comfortable job is included as standard.



EASY TO OPERATE / CAB

Heating	●
Automatic climate control	●
Radio with loudspeaker	●
Adjustable armrests	●
12 V connection	●
USB connection (music)	●
Air suspension seat	●
Heated seat	●
Windscreen wipers	●
Additional control circuit 1 on control lever	●
Additional control circuit 2 on control lever	●
Sunroof	●
Integrated cooling compartment	●
10" touchscreen	●

WORK EQUIPMENT

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

LOWER BODY

600 steel chain	●
Fastening rings	●

Standard equipment ● Special option ●

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* The air conditioning contains fluorinated greenhouse gases: Refrigerant type: HFC-134a, Global warming potential: 1,430, Quantity: 0.9 kg, CO2e: 1.29 t

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	●
SCR	●
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	●

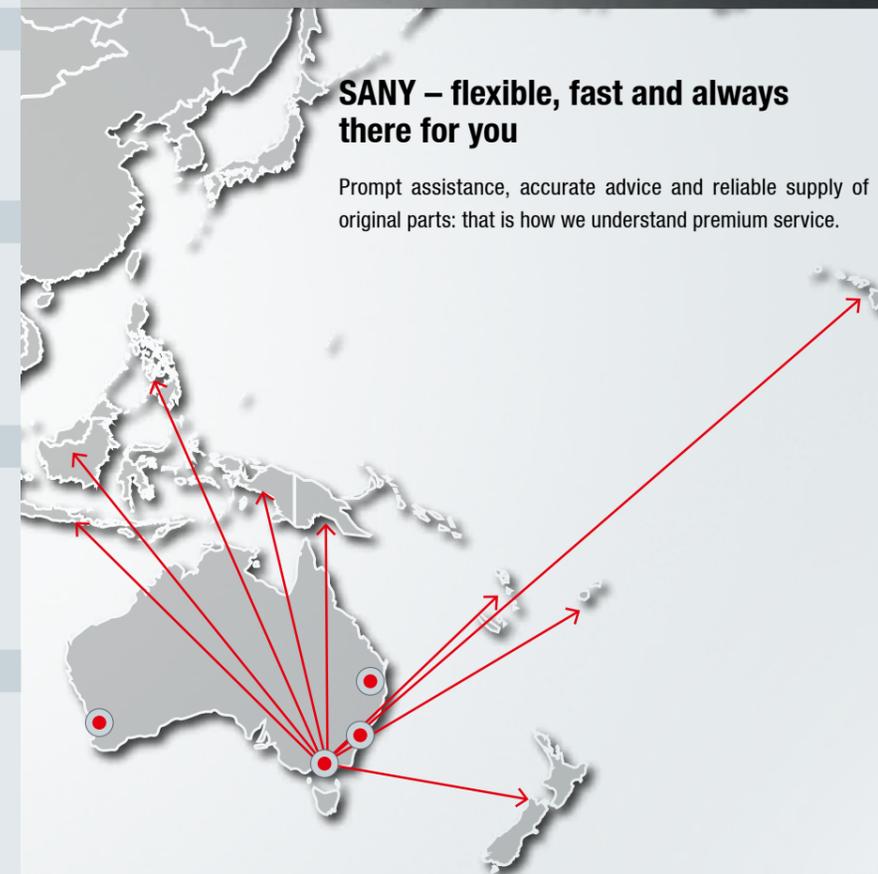
SAFETY

Battery disconnect switch	●
Tilt alarm	●
Omnidirectional lights	●
Rear camera	●
Camera (right)	●
Handrail	●
Lockable covers	●
Lockable fuel tank cap	●

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 **SY215C**

THE SPECIALIST WHO CAN HANDLE ANYTHING

The SANY SY215C is a powerful all-rounder that combines flexibility and strength. This enables it to perform a wide range of tasks in a variety of applications, and thanks to its robust construction, it works comfortably even in the most difficult tasks and harshest environments.



SAFETY AS A PRODUCTIVE FACTOR

The intelligent design of the cab provides a clear view of the work area, and the **two standard cameras** provide good visibility. Essential for long working days: the LED lighting system. In addition, improved access to all maintenance points provides greater safety.

A COMFORTABLE WORKPLACE

Good ergonomics are evident when the operator is able to concentrate on his work even after several hours. And that's easy in the SY215C cab, as the seat and controls have been **designed for the demands of practical use**. All machine settings can be conveniently adjusted from the high-resolution, intuitive 10" touchscreen.

TRIED AND TESTED HIGH QUALITY

With a maximum torque of 620 Nm at 1500 rpm, the powerful **Mitsubishi Fuso 6-cylinder** Stage III engine delivers an incredible amount of power.

RESISTANT AND ROBUST

The SY215C has to withstand the rigours of daily construction work. That's why it's perfectly equipped for the job. High-quality materials and careful design are the basis for a long service life: for example, the **reinforced undercarriage** and **precise welding**. In addition, the **continuous plate on the underside of the boom ensures maximum stability for decades**.

AGILE STRENGTH

The SY215C is both fast and powerful. Its more than 23 tonnes contain plenty of **power reserves**. The machine is mounted on a **stable, heavy-duty undercarriage so you can utilise its full potential**.

STRENGTH AND EFFICIENCY

The **intelligent control system** for the hydraulic system adapts the pumping capacity to the available engine power. This reduces fuel consumption, engine wear and exhaust emissions. The **numerous standard features** of the hydraulic system make the machine perfect for virtually any job.

KEY TECHNICAL FEATURES

Engine	Mitsubishi Fuso 4M50
Power	118 kW / 2 000 rpm
Maximum torque	620 Nm / 1500 rpm
Maximum travel speed	5.4 km/h
Rotational speed	11 rpm
Main pump	2 x axial piston control pump with electronic regulation
Maximum oil flow	2 x 234 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

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