

SANY

SY155W

WHEELED EXCAVATOR

Max. Gross Power

115 kW / 2,000 rpm

Operating Weight

15,500-16,700 kg

Max. Dig Depth

5,260 mm



SANY:

QUALITY CHANGES THE WORLD

Founded in 1989, SANY has grown into one of the world's largest construction equipment manufacturers, with global R&D and production facilities and machines working in 150+ countries. Our range spans 1-400 tonne excavators, compaction and road equipment, material handlers, loaders (wheel, skid steer & backhoe), telescopic handlers, fork trucks, reach stackers and graders built with proven Lighthouse manufacturing heritage and modern quality systems.

A GLOBAL LEADER BEHIND EVERY RANGE

From compact excavators to high-tonnage earthmovers, cranes, telehandlers, concrete machinery, road equipment and more, SANY's worldwide product range reflects decades of innovation, investment, and real-world experience.

This broad international range is proven on job sites in over 150 countries, ensuring every machine delivered to Australia is backed by extensive testing, real-world performance and the strength of a global supply chain.

ENGINEERED FOR OUR AUSTRALIAN CUSTOMERS

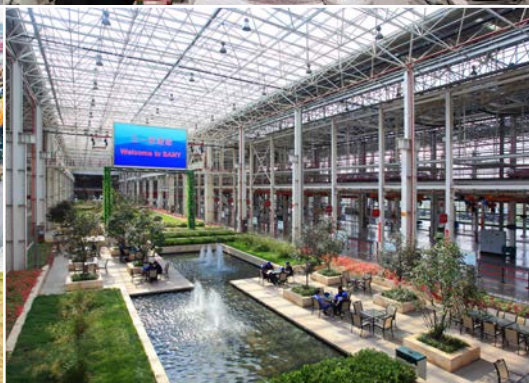
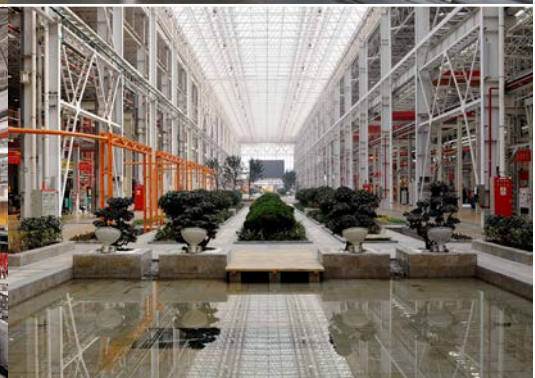
Every SANY machine destined for Australia is engineered to meet Australian regulations and real-world use cases – including CE, Tier III and stage V compliance specification offerings.

For Australian construction customers, this worldwide capability translates directly into trust. SANY selects and engineers its product line specifically for local requirements, combining global innovation with Australian-quality standards, dealer support and service.

GLOBAL MANUFACTURING EXCELLENCE

SANY's long-standing commitment to quality and innovation – supported by advanced intelligent manufacturing and a sustained 5-7% of annual revenue reinvested into R&D – results in machines that deliver reliability, efficiency, and consistent performance on site.

With state-of-the-art production facilities and rigorous global testing standards, every machine is built to withstand demanding conditions and deliver long-term value.



INTRODUCING THE SY155W

The SANY SY155W wheeled excavator combines outstanding mobility with the versatility and performance required for modern civil construction, utilities, roadworks and urban infrastructure projects. Designed to travel efficiently between job sites, the SY155W helps reduce transport requirements while delivering the reach, lifting capability and attachment versatility expected from a 15-tonne machine.

Powered by a fuel-efficient 115 kW Stage V engine and advanced hydraulic technology, the SY155W delivers smooth, responsive operation and excellent fuel economy. Multiple auxiliary hydraulic circuits, quick hitch compatibility and a wide range of configuration options allow operators to adapt the machine to changing jobsite requirements with ease.



WHY CHOOSE SANY EXCAVATORS



WORLD RENOWNED COMPONENTS

SANY uses proven, top-tier components to deliver long-lasting reliability – meaning you benefit from fewer breakdowns, longer service life, and lower ownership costs.



GREAT VALUE, UNCOMPROMISED QUALITY

From urban construction and utility installation through to roadworks and infrastructure maintenance, the SY155W is engineered to perform in demanding Australian operating environments.



PREMIUM COMMAND CARE 4 YEAR WARRANTY

Tailored to eliminate unexpected lifetime repair costs, this comprehensive protection lowers your total ownership risks while securing your machine's premium long-term resale value.



LOW OPERATING COSTS

Simple engineering, readily available parts, and low fuel consumption reduce ongoing running costs – a major advantage in Australia's high-cost markets.



LOCAL SUPPORT

CEA's national footprint of company owned facilities will provide you with after-market support to keep your machine running, and simplify ownership.



STANDARD ADVANCED FEATURES

SANY excavators include all essential features as standard – no costly add-ons or custom tweaks required.



SY155W

MORE POWERFUL



The SY155W is powered by a fuel-efficient 115 kW Stage V four-cylinder engine, delivering 609 Nm of torque for strong performance across a wide range of applications. Advanced fuel injection and turbocharging technology maximise power while reducing fuel consumption, while the intelligent viscous cooling fan lowers noise levels and improves efficiency by up to 5%. Additional power reserves help reduce engine stress, contributing to long-term reliability and durability.

DOMCS (DYNAMIC OPTIMISATION INTELLIGENT CONTROL SYSTEM)

SANY's Dynamic Optimisation Intelligent Control System continuously monitors operating conditions and automatically matches engine power and hydraulic output to machine demand. By optimising power distribution in real time, the system delivers smooth operation, responsive control and improved fuel efficiency.

The result is a machine that responds quickly to operator inputs while helping reduce fuel consumption and unnecessary engine load throughout the working day.



SY155W

HIGHLY EFFICIENT POWER AND HYDRAULIC MANAGEMENT SYSTEM

HYDRAULIC SYSTEM

The SY155W features an advanced load-sensing hydraulic system that continuously adjusts oil flow and pressure to match operating requirements. By delivering only the hydraulic output required, the system provides smooth machine response, precise attachment control and efficient power distribution.

The intelligent hydraulic management system enables smooth multifunction operation when travelling, lifting and operating attachments simultaneously. Responsive control and consistent hydraulic performance help operators work accurately and efficiently across a wide range of applications



SY155W

MASTER VALVE

The SY155W features a premium Rexroth hydraulic control valve designed to deliver smooth and predictable machine operation. Efficient oil flow management ensures consistent hydraulic performance during lifting, travelling and attachment operation, providing operators with precise machine control when working in demanding applications.

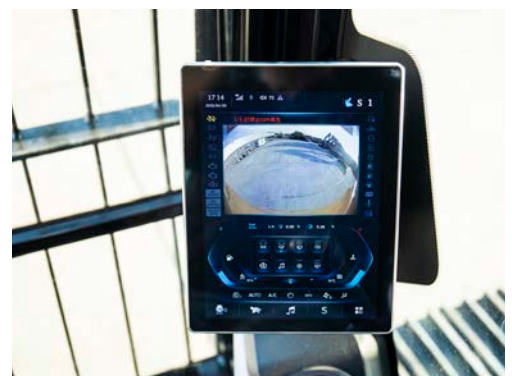
The advanced valve design supports smooth combined movements and efficient power distribution, helping maintain performance across a wide range of operating conditions



AUXILIARY HYDRAULICS

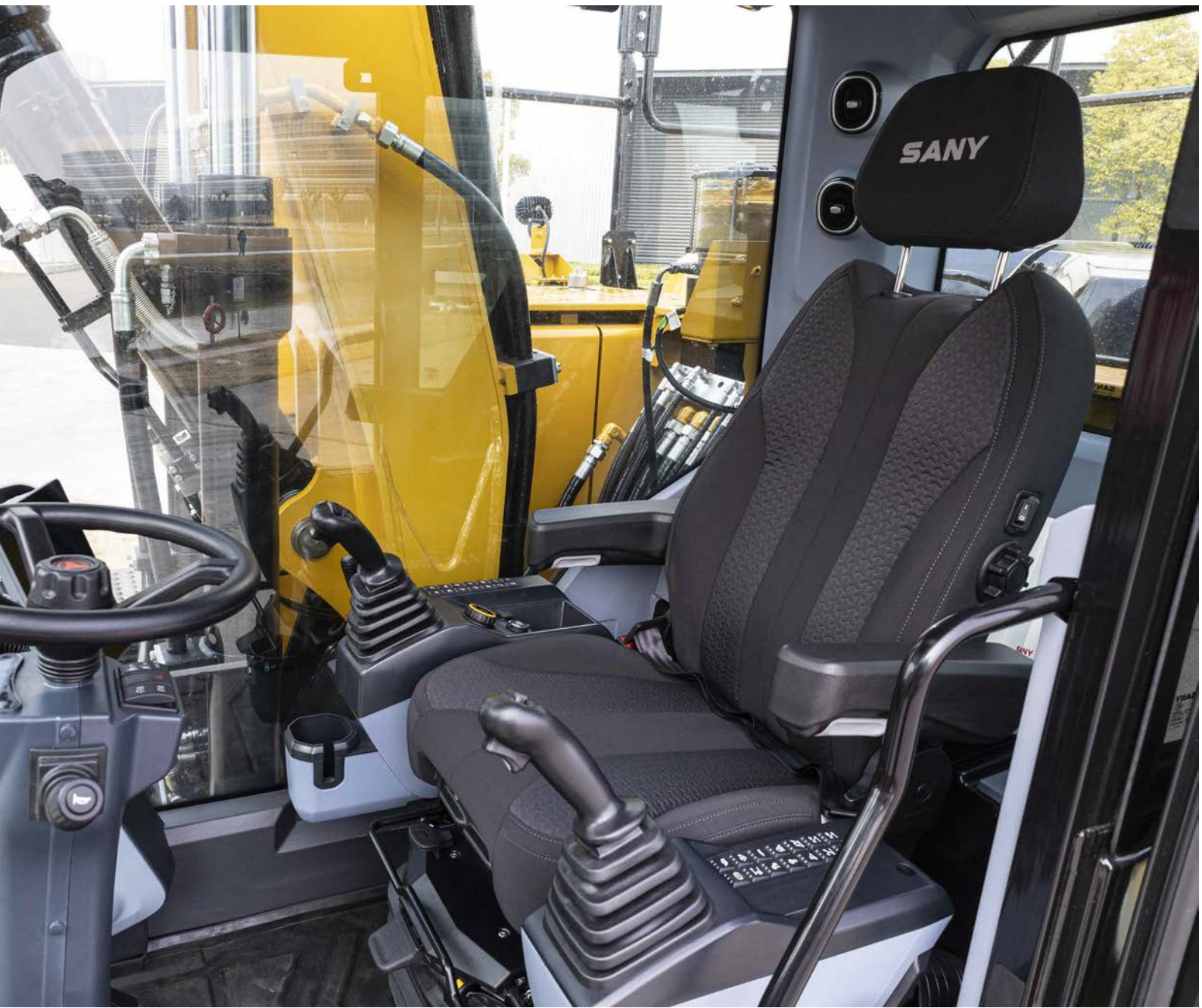
Three independent auxiliary hydraulic circuits allow the SY155W to operate a wide range of attachments including hydraulic hammers, grabs, shears and augers. Operators can quickly switch between attachment functions directly from the cab, reducing setup time and improving jobsite flexibility.

The proportional control system provides smooth attachment operation, while quick-change hydraulic connections support fast attachment changeovers, helping maximise machine utilisation.



SY155W

OPERATOR ENVIRONMENT



OPERATOR ENVIRONMENT

↑ The SY155W features a redesigned premium cab engineered to keep operators comfortable and in control throughout long working shifts. A spacious interior, intuitive controls and excellent visibility combine to create a productive working environment for demanding applications.

PREMIUM COMFORT - The air-suspension heated seat, ergonomic controls and spacious cab layout help reduce operator fatigue throughout the working day. Enhanced cab sealing, low noise levels and reduced vibration create a quieter and more comfortable operator environment.

INTUITIVE OPERATION & VISIBILITY - The 10-inch touchscreen display provides quick access to machine settings, auxiliary hydraulic functions and operating information through an easy-to-use interface. Bluetooth connectivity, USB charging ports and keyless push-button start provide everyday convenience.

SY155W

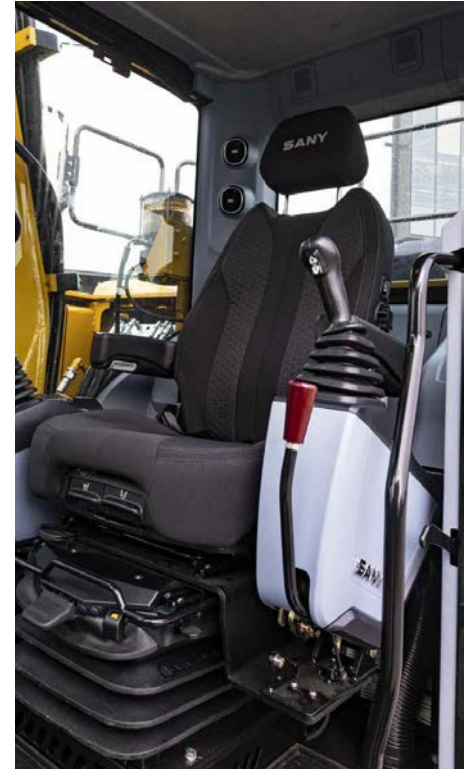
OPERATOR CONFIDENCE

The SY155W is designed to help operators work efficiently in busy urban environments, construction sites and roadside applications. Excellent visibility, intuitive controls and advanced monitoring systems combine to provide greater awareness and confidence throughout the working day.

ADVANCED CAMERA SYSTEM

Four strategically positioned high-definition cameras deliver a comprehensive view around the machine, helping minimise blind spots and improve awareness when operating near pedestrians, traffic and site obstacles.

Multiple display modes allow operators to quickly select the most appropriate view for the task, providing greater confidence in confined and high-traffic work areas.



DESIGNED FOR URBAN APPLICATIONS

The combination of compact dimensions, excellent visibility and advanced monitoring technologies helps operators work safely and efficiently where space is limited.

Whether working alongside traffic, utilities or surrounding infrastructure, the SY155W provides the control and awareness required for demanding urban and civil construction projects



SY155W

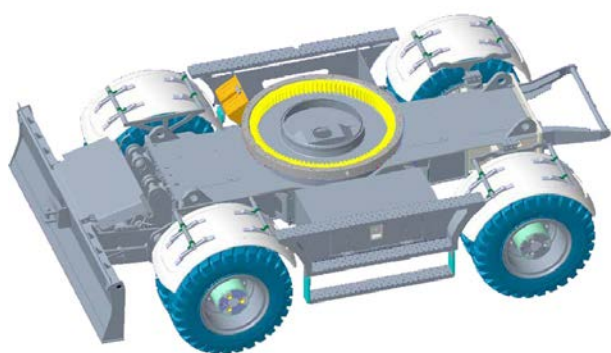
UNDERCARRIAGE

The SY155W combines the versatility of a wheeled excavator with the stability and performance required for demanding construction applications. Designed for efficient travel between job sites, it helps reduce transport requirements while improving overall machine utilisation.

HIGH MOBILITY

Full-time four-wheel drive and travel speeds of up to 35 km/h allow the SY155W to move quickly and efficiently between work locations.

Excellent on-road and off-road capability provides the flexibility required for utility installation, roadworks, infrastructure maintenance and urban construction projects.



ADVANCED SUSPENSION & STABILITY

The hydraulic front axle suspension automatically adapts to changing ground conditions, improving ride quality and machine control when travelling across uneven terrain.

During excavation and lifting operations, the suspension system can be automatically locked to provide a stable working platform, enhancing machine stability and operator confidence.

CONFIGURED FOR THE JOB

A wide range of factory-fit options, including mudguards, outriggers and tyre configurations, allows the SY155W to be tailored to specific application requirements.

This flexibility enables operators to optimise machine performance across a variety of working environments while maintaining the mobility advantages of a wheeled excavator.



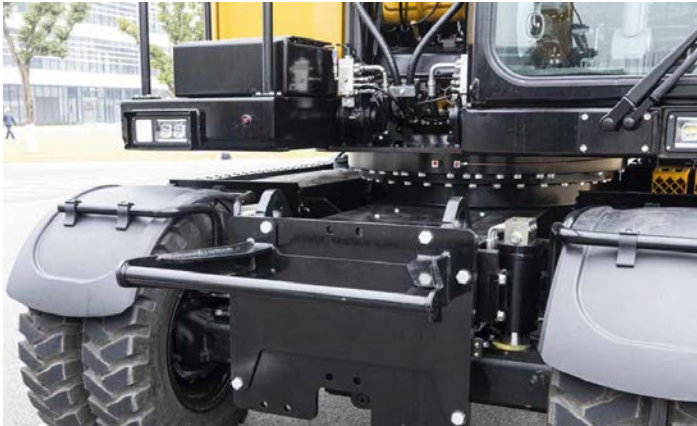
SY155W

CHASSIS OPTIMISATION

ADDED STANDARDISED LIFTING POINTS

Four high-strength tie down points are integrated into key chassis mounting locations for safe and efficient machine transport.

Robust chassis integration ensures strength, durability and reliable securing points.



DURABLE NON-SLIP ACCESS SYSTEM

One-piece non-slip rubber supported track plates replace traditional steel cable-style step connections for improved durability and safety.

Manufactured from wear-resistant composite materials for long service life in harsh operating environments.



MODULAR MUDGUARD PACKAGE (OPTIONAL)

Modular mudguard packages are available for both front and rear wheel positions, helping protect the machine, operator and surrounding work area from mud, water and debris.

Designed for flexibility, the system can be configured to suit specific site requirements while maintaining easy access for inspection and maintenance.

SY155W

PROVEN STRUCTURAL STRENGTH AND DURABILITY

SY155W TWO-PIECE ARTICULATED BOOM (TAB)

The SY155W's optional two-piece articulated boom configuration delivers exceptional flexibility in confined and urban working environments. By providing an additional articulation point, operators can position the attachment more precisely when working close to structures, around services or alongside traffic corridors.

.01

IMPROVED REACH & POSITIONING

The TAB configuration allows operators to position the attachment more accurately across a wider working range without repositioning the machine. This improves efficiency when loading trucks, working around obstacles and undertaking detailed excavation tasks.

.02

DESIGNED FOR CONFINED WORKSITES

The articulated boom design provides greater flexibility when operating in restricted areas where machine positioning options may be limited. Improved attachment positioning helps maximise productivity while maintaining excellent visibility and control.



.03

GREATER JOBSITE VERSATILITY

The TAB configuration allows the SY155W to adapt easily to a variety of applications including utility installation, urban infrastructure projects, roadworks and material handling tasks. Greater attachment positioning flexibility helps reduce machine movements and improve overall jobsite efficiency.

.04

PRODUCTIVE LOADING PERFORMANCE

The additional boom articulation improves loading capability when working close to trucks, stockpiles and other obstacles. Operators can maintain efficient material placement while benefiting from the mobility advantages of a wheeled excavator.

.05

PROVEN STRUCTURAL DURABILITY

Engineered using advanced structural analysis and validated through extensive durability testing, the articulated boom assembly is built to withstand demanding operating conditions. Reinforced structures and high-strength materials provide long service life and dependable performance across a wide range of applications



SY155W

SAFETY PROTECTION



HEADLIGHTS (STANDARD)

High-output LED headlights come standard, providing wider visibility, improved illumination and lower power consumption compared to traditional halogen lights.



TURN SIGNALS (STANDARD)

Integrated LED indicator lights enhance visibility and clearly communicate machine movements when travelling on roads or around busy job sites.



WARNING LIGHTS (OPTIONAL)

- No more screws: Magnetic chassis design enables one-second installation/removal, improving maintenance efficiency by 70%.
- Visual seat belt status: New green seat belt warning light (optional) provides clear status indication.



PROTECTIVE GUARD (OPTIONAL)

A 270-degree protective guard above the entire vehicle enhances safety during overhead operations.

WORK LIGHTS (OPTIONAL)

In addition to the standard front lighting on the cab, 7 optional lighting units are provided around the vehicle to adapt to polar night working conditions.

SY155W

CONVENIENT MAINTENANCE

Wide-opening service doors provide excellent access to major service and maintenance points, reducing inspection and servicing time.

Service points are positioned for easy ground-level access where possible, improving safety and technician convenience.

Thoughtfully designed access routes make routine inspections, repairs and daily maintenance quicker and easier.

Simplified maintenance design helps reduce downtime, lower service costs and maximise machine availability on site.



AUTOMATIC LUBRICATION SYSTEM UPGRADE

The automatic lubrication system controller is integrated into the main system to eliminate single-point control failures. Lubrication coverage is now more comprehensive, including full lubrication for the boom, sick, and linkage mechanisms.



SY155W

YOUR UPTIME. OUR PRIORITY.

Rely on SANY's value-added aftermarket services to keep your equipment operating at peak efficiency. From proactive maintenance to reducing unexpected downtime and controlling operating costs, we provide the support your business depends on. Our Australian service solutions further boost performance, streamline maintenance tasks, and improve profitability across your fleet.

FOUR YEAR WARRANTY

Built on a global reputation for reliability and durability, SANY excavators come with an unmatched Four-year warranty* – one of the strongest in the industry.

It's a clear statement of the confidence we have in our machines and our commitment to your uptime. Your investment is protected from day one, giving you the assurance that if an issue arises, you're fully covered.

*Terms and conditions apply.

SERVICE AND SUPPORT

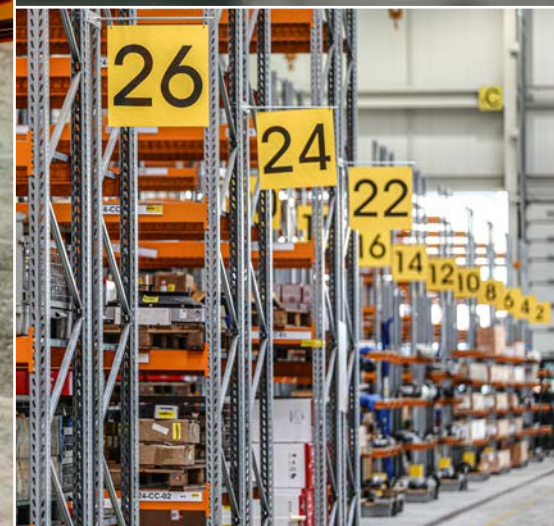
SANY's extensive network of certified technicians and dealer partners provides on-site service and technical expertise designed to minimise downtime and maintain peak machine performance.

Working in coordination with our advanced manufacturing facilities and CEA's Australian network combine global engineering capability with practical local support.

SANY GENUINE PARTS

SANY genuine parts are engineered, rigorously tested, and manufactured to the exact specifications required by your machine. Their precise fit and compatibility guarantee maximum performance and system integrity.

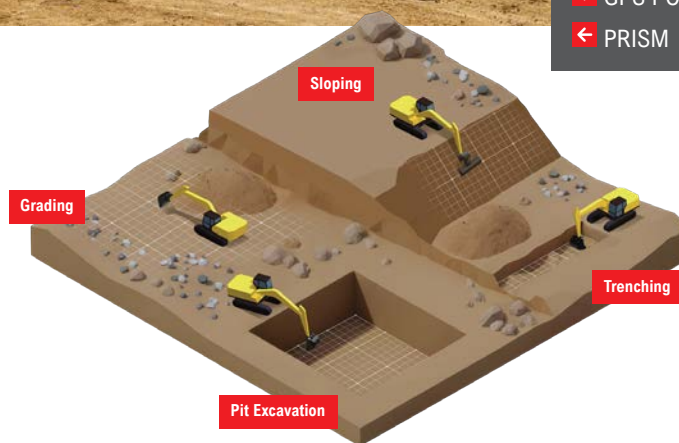
By maintaining correct operational tolerances, they enhance on-site safety and significantly reduce the risk of unplanned failures or downtime. All genuine parts are supported by a 12-month warranty for added assurance.



INTELLIGENT SUPPORT



SANY's connected tools give you clarity, confidence, and control on every project. ROOTPILOT brings precision to the bucket; EVI Telematics brings visibility to the fleet. Together, they reduce downtime, cut costs, and boost productivity. Smart technology – driving your success.



SANY ROOTPILOT

SANY ROOTPILOT is a high-precision 3D machine-control system that uses GNSS, IMU sensors, and smart algorithms to guide excavators in real time. It gives operators clear, intuitive 3D feedback for faster, safer, and more accurate digging.

ROOTPILOT installs quickly, works with multiple machines and attachments, and syncs designs through the cloud so every operator works from the same plan. It's ideal for highways, municipal works, and foundation projects where precision is critical.

Main customer benefits:

- ± 3 cm accuracy for first-time-right excavation
- Lower fuel, labour, and rework costs
- Faster production with fewer survey checks
- Works with 2D or full 3D design models
- Boosts operator confidence and consistency



Designed for advanced markets like Australia, our digital fleet management system EVI gives you complete visibility of your machines whenever and wherever you need it. By simplifying fleet oversight, it enables better decision-making, lowers costs, and improves uptime across your operations. With built-in safety and security features that let you monitor location and usage in real time, you gain greater control and peace of mind.

Key benefits include:

- Enhanced fleet visibility and remote machine management
- Set authorised operating hours and create geofenced security zones to reduce theft risk and misuse
- Greater visibility of routine checks and machine health
- Operating report analysis for smarter, data-led decision-making
- Customer account management for personalised, data-backed communication

SY155W

SPECIFICATION

SPECIFICATION	SY155W
Operating weight	15500-16700 kg
Bucket capacity	0.65 m³
Engine	Tier 4f/Stage V
Model	TCD4.1
Voltage	2 x 12 V
Engine power	115 kw/2000 rpm
Maximum torque	609 Nm/ 1600 rpm
Displacement	4.1 L

CAPACITY OF OIL & COOLANT	SY155W
Fuel tank	280 L
Hydraulic oil tank	150 L
Engine oil	11.5 L
Radiator	26 L
Gyration driving	3 L
Transmission	2.5 L
Wheel side of axle	4x2.4 L

MAIN PERFORMANCE	SY155W
Oscillation	±6.5°
Twin wheels	10.00-20
Tractive force	89 kN
Max. Travel speed, on road	20.0/35.0 (km/h)
Max. Travel speed, off road	10 (km/h)
Relief valve setting pressure	34/37.5 Mpa
Breakout force (bucket)	102.3 kN
Tearout force	64 kN

TRAVELING PART	SY155W
Model of tire	10.00-20 16PR
Number of gears	Two gears at the front and Two gears at the back
Min. ground clearance	360 mm
Front axle swing angle	±6.5°

STANDARD CONFIGURATION - ENGINE

ENGINE	STATUS
Euro V Emission Engine	●
Fuel Priming Pump	●
Electrically Controlled Silicone Oil Fan	●
Four-stroke, water-cooled, and direct injection turbo-charging	●
Air prefilter	●
Automatic engine preheating	●
H/S/L mode control	●
Startup protection system	●
24V/5.5kW starter motor	●
100A alternator	●
Dry-type dual-element air filter	●
Cylinder-type engine oil filter	●
Cylinder-type fuel oil filter	●
Engine oil cooler	●
Radiator with protective screen	●
Radiator auxiliary water tank	●
Fan deflector	●
Isolated mounted engine	●
Automatic idling system	●

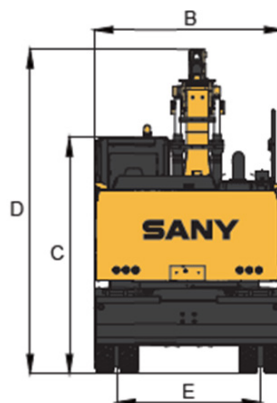
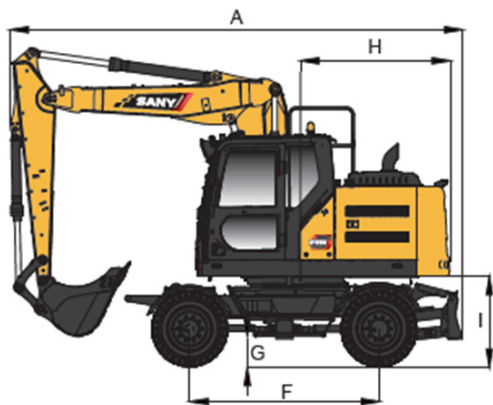
STANDARD CONFIGURATION

TRAVELING BODY OF UNDERCARRIAGE	STATUS
Integral Frame	●
Front Bucket Stand + Rear Dozer Blade	●
Front Dozer Blade + Rear Outriggers	○
Front Outriggers + Rear Dozer Blade	○
Front Outriggers + Rear Outriggers	○
Front Dozer Blade + Rear Dozer Blade	○
Left Toolbox Assembly + Right Pedal Assembly	●
Right Toolbox Assembly + Left Pedal Assembly	○
Right Toolbox Assembly + Right Toolbox Assembly	○
Left Pedal Assembly + Right Pedal Assembly	○
Pneumatic Tire 10.00-20	●
Solid Tire 10.00-20	○
Dual Tires 315/70R22.5	○
Tire Mud Flaps	○
Tow Hook	○

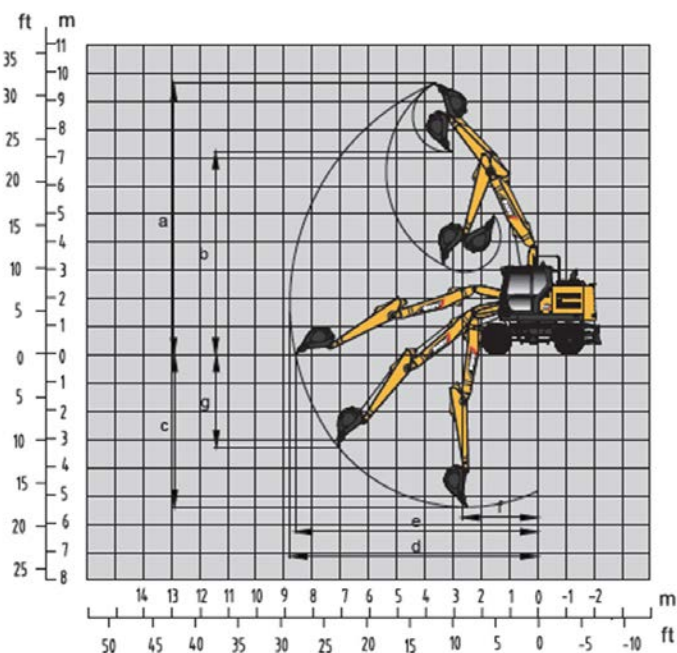
SY155W

SPECIFICATION

OVERALL DIMENSIONS (MM)	SY155W
A. Overall length (transportation)	8000
B. Overall width	2550
C. Overall height (cab top)	3200
D. Overall height (transportation)	3980
E. Track width	1944
F. Wheelbase	2600
G. Min. ground clearance	360
H. Tail gyration radius	2120
I. Ground clearance of counterweight	1230



OPERATING RANGE (mm)	SY155W
a. Maximum digging height	9700
b. Maximum dump height	7150
c. Maximum digging depth	5260
d. Max. excavation radius	8750
e. Max. ground excavation radius	8540
f. Min. front slew radius	2030
g. Max. vertical digging depth	4220



SY155W

SPECIFICATION

RATED LIFT CAPACITY (KG) - SY155W: DOZER AND STABS RAISED

Height							Maximum point		
	3.0 m		4.5 m		6.0 m				
	A	B	A	B	A	B	A	B	Radius (m)
7.5 m	—	—	3630*	3630*	—	—	3840*	3390	4.95
6.0 m	—	—	3410*	3410*	3320	2510	3000	2270	6.33
4.5 m	—	—	3980*	3920	3280	2480	2450	1840	7.12
3.0 m	—	—	4980	3660	3710	2380	2130	1590	7.53
1.5 m	—	—	4680	3390	3050	2260	2210	1650	7.61
0 m	—	—	4520	3240	2960	2180	2210	1650	7.38
-1.5 m	9130	6020	4500	3220	2950	2170	2490	1850	6.81

RATED LIFT CAPACITY (KG) - SY155W: - SY155W: DOZER AND STABS DEPLOYED

Height							Maximum point		
	3.0 m		4.5 m		6.0 m				
	A	B	A	B	A	B	A	B	Radius (m)
7.5 m	—	—	3630*	3630*	—	—	3840*	3840*	4.95
6.0 m	—	—	3410*	3410*	3520*	3340	3620*	3030	6.33
4.5 m	—	—	3980*	3980*	3620*	3310	3590*	2490	7.12
3.0 m	—	—	4990*	4920	4040*	3200	3700*	2180	7.53
1.5 m	—	—	6070*	4640	4510*	3080	3790*	2260	7.61
0 m	—	—	6590*	4490	4800*	3000	3790*	2260	7.38
-1.5 m	9600*	8600	6480*	4470	4690*	2290	3870*	2540	6.81

1. The lifting capacity is calculated in accordance with ISO10567 and SAEJ1097, where the limit coefficient of the hydraulic system is 0.87 and tipping limit coefficient is 0.75.

2. Items marked * are limited by hydraulic pressure. Items without * are limited by stability.

3. The lifting point is the front support hole of the grab arm, excluding the bucket weight. Additional accessories such as a bucket must be deducted from the listed lifting weight.

SY155W

SPECIFICATION

CAB	STATUS
Multi-Functional Handle	●
Automatic Air Conditioning	●
Comfortable Seat (Back Adjustment + Heated Seat)	●
Front Cabin Protection Net	○
Top Cabin Protection Net	○
Front Lower Cabin Protection Net	○
Parallel Windshield Wiper	●
Front Cabin Rain Shield	●
Full Upper Vehicle Protection Rail	○

HYDRAULIC SYSTEM	STATUS
Quick Coupling Lines	●
Mode Switching	●
First Set of Auxiliary Lines (Flow/Pressure Adjustable)	●
Second Set of Auxiliary Lines (Flow/Pressure Adjustable)	●
Boom and Arm Burst Protection Valves	●

ELECTRIC	STATUS
Halogen Headlights	●
LED Headlights	○
One-key Start	●
Bluetooth/USB	●
Touch Screen Display	●
14 Languages	●
Rearview Camera	○
360-degree Camera	●
Seat Belt Warning Light	○
Audible and Visual Alarm Light	●
Auxiliary Lighting	○

FUNCTION	STATUS
Automatic lubrication	●
Maximum Speed 20km/h	●
Maximum Speed 35km/h	○
Cruise Control Function	●
Floating Boom Function	●
Overload Alarm Function	●
Swing Lock Function	●
Startup Password Function	●
50 Sets of Attachments Optional and Memory Function	●

WORKING DEVICE	STATUS
0.6m³ Bucket	○
2-piece Boom: 5.1m	●
2.5m Stick	●

SANY



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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. Machines
shown may feature additional options other than
the standard machine specification.

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