

SY155U

TRACKED EXCAVATORS

Max. Gross Power

84 kW / 2,200 rpm

Operating Weight

16,000 kg

Max. Dig Depth

5,470 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

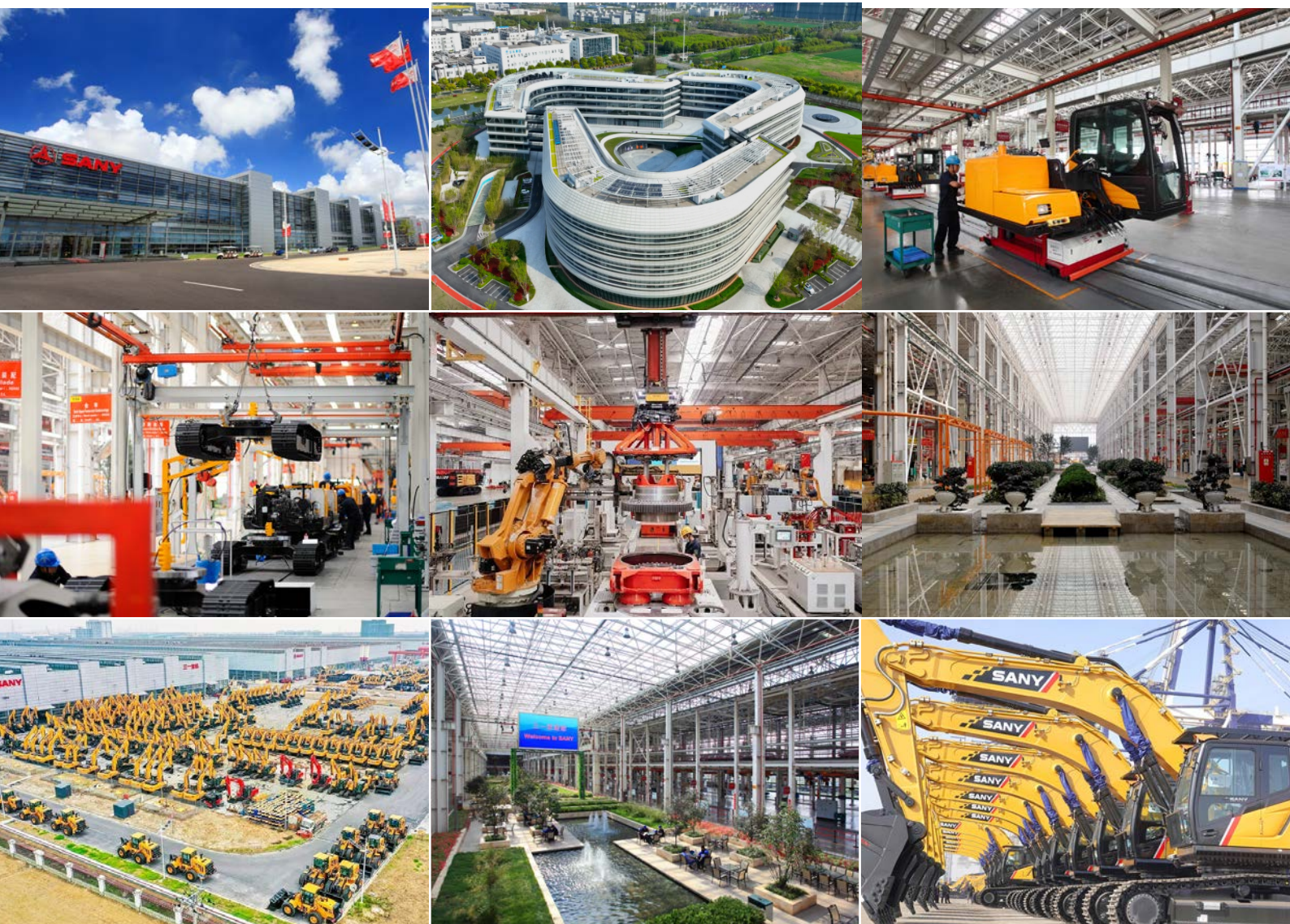
Every SANY machine destined for Australia is engineered to meet Australian regulations and real-world use cases – including CE, Tier III and stage V compliance specification offerings.

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 SY155U

The SANY SY155U combines the versatility of an ultra-short tail swing design with the performance and stability expected from a 15-tonne excavator. Ideally suited to civil construction, utilities, roadworks and urban infrastructure projects, the SY155U allows operators to work confidently in confined spaces without compromising on performance or lifting capability.

Powered by a proven Tier 3 Isuzu engine and advanced hydraulic system, the SY155U delivers responsive operation, strong breakout performance and excellent fuel efficiency. Standard auxiliary hydraulics, quick hitch compatibility and a spacious operator environment further enhance versatility, making the machine a practical solution for a wide range of applications.



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

You can have confidence in your return on investment. SANY excavators are loaded with the latest innovations to help reduce costs, increase productivity and protect resale value.



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.

SY155U

PRODUCTIVITY

The SY155U combines strong breakout forces, confident lifting performance and precise hydraulic control to deliver productive results across demanding civil and construction applications.

Its balanced design provides the power and stability required for, earthworks, trenching, loading and site preparation.



STRONG BREAKOUT PERFORMANCE

← With 103 kN of bucket breakout force and 67 kN of arm force, the SY155U delivers the capability required to work effectively in compacted ground and demanding site conditions. Power is transferred smoothly through the work equipment, supporting efficient material loading and consistent cycle performance

CONFIDENT LIFTING

← A stable undercarriage and well-balanced upper structure provide a secure working platform when lifting, placing and handling materials. Stable machine balance helps maintain control throughout the working range, giving operators confidence when completing demanding tasks.

SMOOTH MULTIFUNCTION CONTROL

→ The advanced hydraulic system delivers responsive, coordinated movement when operating multiple functions simultaneously. Predictable control helps operators work accurately, maintain efficient cycles and achieve consistent results across changing site conditions.



SY155U

EFFICIENCY

The SY155U combines a proven Isuzu Tier 3 engine with an intelligent hydraulic system to deliver efficient performance across a wide range of applications. By matching hydraulic output to machine demand, the system helps reduce fuel consumption while maintaining smooth and responsive operation

CONSUMING LESS, STORING MORE

→ Equipped with a fuel-efficient Isuzu engine and a 220-litre fuel tank, the SY155U is designed to maximise working hours between refuelling stops. Reduced fuel consumption and extended operating time help lower running costs and improve machine availability throughout the day.

EFFICIENT OPERATION

↓ SANY's two-speed tracking lets the operator choose high or low travel to match terrain and task reducing unnecessary revs and therefore fuel usage.

Selectable work modes and two-speed travel allow operators to match machine performance to the task at hand. By reducing unnecessary engine load, the SY155U helps improve fuel efficiency without compromising machine capability.



ENERGY-EFFICIENT HYDRAULICS

→ The load-sensing hydraulic system continuously adjusts oil flow and pressure to suit operating conditions, delivering smooth multifunction operation and responsive attachment performance.

By providing only the hydraulic power required, the system reduces wasted energy, improves fuel efficiency and helps lower overall operating costs.



SY155U

OPERATOR ENVIRONMENT

The SY155U is designed to keep operators comfortable and in control throughout long working shifts. A spacious cab, air suspension seat and intuitive controls help reduce fatigue while providing the precision required for demanding applications.



PREMIUM COMFORT

↑ The air suspension seat, adjustable armrests and thoughtfully designed operator station create a comfortable working environment throughout the day.

Low noise and vibration levels, combined with automatic climate control, help operators remain focused and productive in changing conditions.

JOB SITE AWARENESS

↑ Large glazed areas, strategically positioned mirrors and excellent sight lines provide outstanding visibility around the machine and surrounding work area.

The compact machine layout helps operators maintain awareness when working close to structures, services and neighbouring traffic.



EVERYDAY EASE

↙ Clear instrumentation and a high-resolution display provide quick access to machine information and operating settings through an intuitive user interface.

Dual proportional auxiliary controls allow smooth attachment operation, while Bluetooth connectivity, USB charging and practical storage solutions provide additional convenience throughout the working day

SY155U

SAFETY & SECURITY

The SY155U is equipped with a comprehensive range of safety and security features designed to help protect operators, bystanders and machine assets in demanding working environments. Integrated safety systems and excellent machine visibility support confident operation on busy jobsites.

PROTECTING BYSTANDERS

← LED work lights, large mirrors and integrated camera systems assist operators when working in congested environments and low-light conditions.

The SY155U's compact design and excellent visibility help improve awareness around the machine, supporting safer operation near structures, pedestrians and live traffic areas.

STRUCTURAL INTEGRITY

↑ ROPS, TOPS and FOPS-certified protection systems are designed to provide enhanced operator protection in demanding applications.

Heavy-duty steel bodywork and reinforced structures help protect major components from accidental damage while contributing to long-term machine durability.

EMERGENCY SHUTDOWN

Featuring both a battery disconnect switch and an emergency stop button, the system allows immediate power isolation to enhance operator and site safety.

ADVANCED SECURITY

Reinforced lockable service doors protect critical components and fuel systems, preventing unauthorised access and enhancing site security.

Backed by the CESAR Datatag Scheme for proven theft deterrence and equipped with CESAR ECV, these machines allow swift and dependable verification of emissions category.

← Advanced anti-theft EVI telematics employ GPS tracking and configurable geofencing, this along with a password protected keyless stop/start function, safeguard the machine from theft and unauthorised use.



SY155U

SERVICE & MAINTENANCE

Engineered to keep you working longer, SANY excavators are designed with easy-access service doors, clearly positioned maintenance points, and extended service intervals to reduce downtime and simplify routine checks. High-quality, proven components used throughout the range enhance durability and long-term reliability, supporting consistent performance shift after shift.



MAINTENANCE MADE EASY

← SANY excavators are engineered for streamlined service and maintenance, with design features that make routine upkeep faster and more efficient.

A wide-opening engine door provides ground-level access to all key service points, ensuring that daily checks are quick, simple, and easy to perform whilst ergonomic handrails enable safe access to the maintenance platform.

ROBUST STRUCTURES

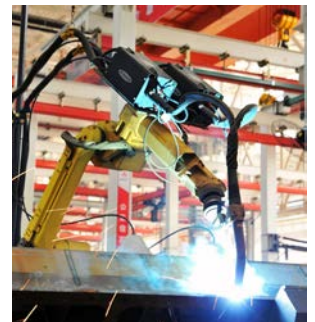
Integrated guarding for the dozer blade and hydraulic cylinders provides robust protection against on-site impacts, minimising the risk of component damage, unplanned downtime, and expensive repair work.

An X-beam configuration with a high-strength box-section structure provides exceptional durability and superior resistance to torsional forces.

COMMON, PREMIUM COMPONENTS

→ Produced in industry leading advanced automated lighthouse facilities. SANY excavators are built for high quality and lasting durability, utilising high-spec components from reputable global manufacturers.

Shared componentry across the range, combined with an extensive Australian CEA network, ensures rapid response and efficient turnaround for any machine repair.



INCREASED WORKING HOURS

← With extended 500-hour service intervals, maintenance frequency is reduced, lowering operating costs and improving machine availability.

Real-time health alerts, remote diagnostics, and scheduled maintenance via SANY EVI telematics work together to enhance reliability and extend machine life.

SY155U

ATTACHMENTS

SANY machines offer extended capability through a broad selection of easily interchangeable attachments. This range enables efficient performance across varied tasks such as digging, drilling, land clearing, material handling, and demolition.



QUICK HITCH

↑ Partnering with trusted local suppliers, SANY machines feature quick hitches that enable rapid changes, helping Australian customers get more done. Ensuring a secure fit, these hitches expand versatility while dedicated domestic support keeps your industry operations running smoothly every day.

BUCKETS

Buckets sourced by CEA are supplied by trusted local suppliers to deliver optimum performance, lasting durability, and high efficiency. Australian consumers benefit from premium domestic support across civil, construction and earthworks applications.

ATTACHMENTS

CEA excavator attachments are sourced through strong local partnerships, ensuring durable construction and smooth control. Australian industry customers enjoy cost-effective, high-performance equipment backed by dedicated support that boosts productivity on every single local job.

SY155U

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

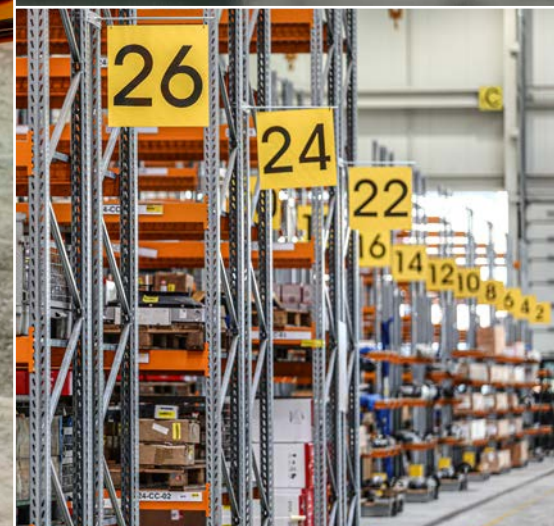
SANY's extensive network of certified technicians and dealer partners provides on-site service and technical expertise designed to minimise downtime and maintain peak machine performance.

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.



SY155U

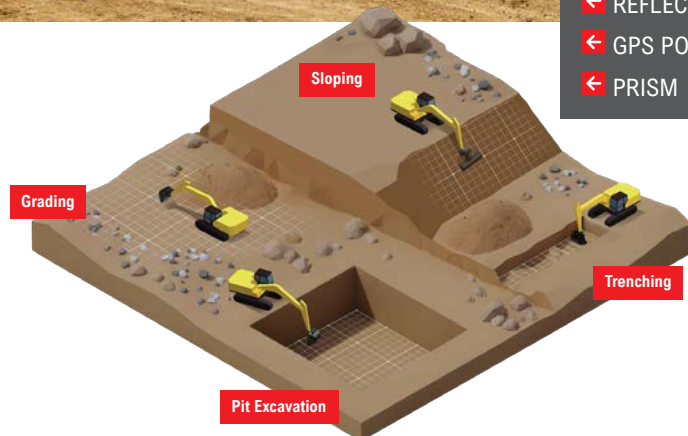
INTELLIGENT SUPPORT



ADDED FEATURES

- ← BASE STATION
- ← SURVEYOR SCOPE
- ← LASERS
- ← REFLECTORS
- ← GPS POLES
- ← PRISM

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

SY155U

SPECIFICATION

ENGINE

Model	Isuzu VD-4JJ1XKSC-05
Type	Tier 3
Emission	ECM / HPCR / Cooled EGR
Rated Power	84kW@2200rpm
Max torque (Nm / RPM)	375/1800
Displacement	4 cyl / 3.0L
Batteries	2 x 12v High Performance

HYDRAULIC SYSTEM

Control Valve	Kawasaki KMX13RB/M45201
Main Pump	Kawasaki K7V63DTP1X5R
Max Oil flow	2 x 124 L/m
Auxiliary 1	Hammer - One Way / Bi-Directional Circuit
Auxiliary 2	Low Flow, Bi-Directional Tilt / Rotational Circuit

PERFORMANCE

Traveling Speed (High/Low) (km/h)	5.3/3.1
Swing Speed (rpm)	12.5
Walking Traction (kN)	114
Gradeability	70%/35°
Ground Pressure (kPa)	41
Bucket Digging Force (kN)	103
Arm Digging Force (kN)	67
Arm digging force (ISO)	67 kN

SERVICE REFILL CAPACITIES

Fuel Tank (L)	220
Hydraulic Oil Tank (L)	110
Engine Oil (L)	16.7
Cooling System Capacity (L)	27
Final Drive (L)	2×2.2
Swing Drive (L)	2

OPERATING WEIGHT

SY155U*	116,000 kg
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Note: Includes 75kg (165 lb) operator, full fuel tank and excludes any attachments or hitch.

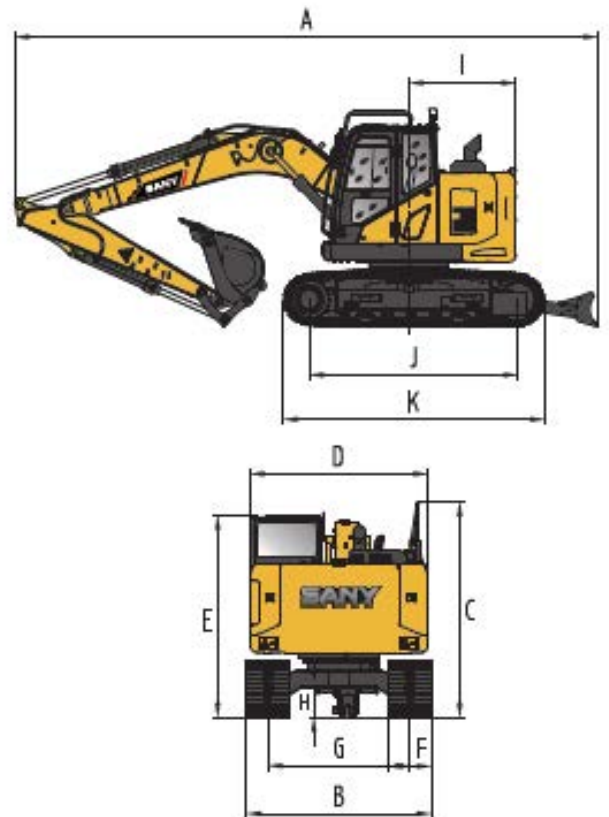
STRUCTURAL PARTS

Number of Track Shoes (Single Side)	44
Number of Upper Rollers (Single Side)	1
Number of Lower Rollers (Single Side)	7
Boom (m)/Boom	4.6
Arm (m)/Arm	2.5
Undercarriage Type	Standard
Steel Track	500mm - Triple Grouser, Drilled

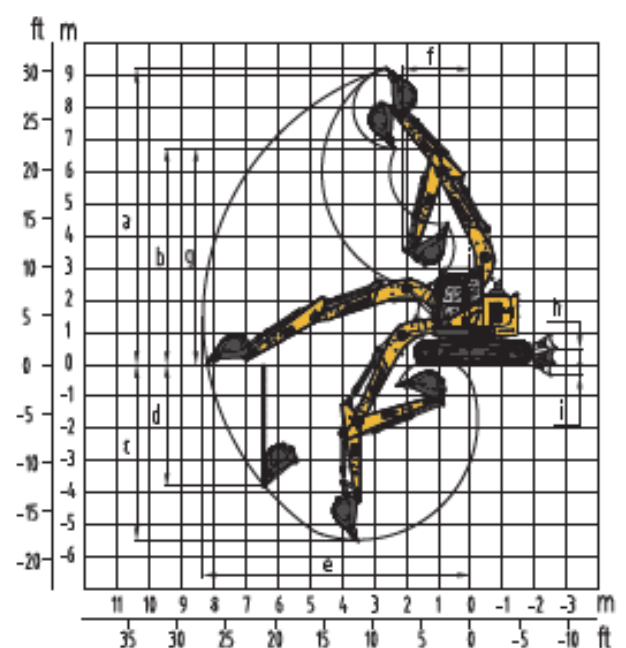
SY155U

SPECIFICATION

OVERALL DIMENSIONS (MM)	SY155U
A Transport Length	8180
B Transport Width (Transport/Working)	2590
C Transport Height	3070
D Upper Width	2490
E Dozer Blade Height	590
F Standard Track Shoe Width	600
G Track Gauge (Transport/Working)	1990
H Minimum Ground Clearance	425
I Tail Swing Radius	1500
J Track Ground Length	2930
K Track Length	3665
L Track Height	814
M Driver Sight Height	2330
N Canopy/Cab Top Length	1200
O Tail Length	1500
P Counterweight Ground Clearance	910
Q Overall Length (Without Working Device)	4412
R Ground Length (Transport)	5242
S Hood Height	2692
T Counterweight Total Height	2155



OPERATING RANGE (mm)	SY155U
A Maximum Digging Height	9220
B Maximum Dumping Height	6755
C Maximum Digging Depth	5470
D Maximum Vertical Wall Digging Depth	3795
E Maximum Digging Reach	8340
F Minimum Swing Radius	2085
G Maximum Height at Minimum Swing Radius	6750
H Dozer Blade Max Lift Height	505
I Dozer Blade Max Depth	350



SY155U

SPECIFICATION

LIFTING CAPACITIES - BLADE ABOVE GROUND															
BOOM: 4.60M (15.09 FT) ARM: 2.50M (8.2 FT) COUNTERWEIGHT: 3,720 KG TRIPLE GROUSER SHOES: 600 MM UNIT: KG															
	2.0m (6.6ft)		3.0m (9.8ft)		4.0m (13.1ft)		5.0m (16.4ft)		6.0m (19.7ft)		7.0m (23.0ft)		At Max. Reach		Max. Reach Radius
	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	
7.0m (23.0ft)	-	-	-	-	-	-	-	-	-	-	-	-	*2537	*2537	4.3m (14.15ft)
6.0m (19.7ft)	-	-	-	-	*4055	3613	-	-	-	-	-	-	*2218	*2218	5.4m (17.7ft)
5.0m (16.4ft)	-	-	-	-	*4207	3575	3574	2671	-	-	-	-	*2075	1985	6.1m (20.08ft)
4.0m (13.1ft)	-	-	*4738	*4738	4598	3469	3518	2615	2791	2039	-	-	*2018	1756	6.3m (20.75ft)
3.0m (9.8ft)	-	-	6088	4584	4437	3309	3428	2526	2744	1992	-	-	*2021	1619	6.9m (22.72ft)
2.0m (6.6ft)	-	-	5723	4219	4254	3126	3324	2422	2685	1932	2212	1568	*2075	1542	7.1m (23.22ft)
1.0m (3.3ft)	-	-	5467	3962	4096	2968	3227	2325	2626	1874	2184	1539	2152	1515	7.1m (23.24ft)
0.0m (0.0ft)	-	-	5357	3853	3993	2865	3154	2251	2579	1827	-	-	2184	1534	6.9m (22.77ft)
-1.0m (-3.3ft)	*4688	*4688	5328	3824	3943	2815	3112	2210	2599	1847	-	-	2286	1607	6.6m (21.8ft)
-2.0m (-6.6ft)	*7213	5973	5344	3839	3937	2808	3104	2201	2558	1806	-	-	2488	1757	6.2m (20.23ft)
-3.0m (-9.8ft)	*7504	6062	5398	3894	3970	2842	3136	2234	-	-	-	-	2869	2042	5.5m (17.92ft)
-4.0m (-13.1ft)	*3892	*3892	*2968	*2968	-	-	-	-	-	-	-	-	*2382	*2382	4.4m (14.48ft)

LIFTING CAPACITIES - BLADE ON GROUND															
BOOM: 4.60M (15.09 FT) ARM: 2.50M (8.2 FT) COUNTERWEIGHT: 3,720 KG TRIPLE GROUSER SHOES: 600 MM UNIT: KG															
	2.0m (6.6ft)		3.0m (9.8ft)		4.0m (13.1ft)		5.0m (16.4ft)		6.0m (19.7ft)		7.0m (23.0ft)		At Max. Reach		Max. Reach Radius
	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	Over-Front	Over-Side	
7.0m (23.0ft)	-	-	-	-	-	-	-	-	-	-	-	-	*2537	*2537	4.3m (14.15ft)
6.0m (19.7ft)	-	-	-	-	*4055	3613	-	-	-	-	-	-	*2218	*2218	5.4m (17.7ft)
5.0m (16.4ft)	-	-	-	-	*4207	3575	*3949	2671	-	-	-	-	*2075	1985	6.1m (20.08ft)
4.0m (13.1ft)	-	-	*4738	*4738	*4648	3469	*4154	2615	*3828	2039	-	-	*2018	1756	6.3m (20.75ft)
3.0m (9.8ft)	-	-	*6866	4584	*5321	3309	*4491	2526	*3971	1992	-	-	*2021	1619	6.9m (22.72ft)
2.0m (6.6ft)	-	-	*8381	4219	*6044	3126	*4861	2422	*4152	1932	*2551	1568	*2075	1542	7.1m (23.22ft)
1.0m (3.3ft)	-	-	*9301	3962	*6658	2968	*5156	2325	*4289	1874	*2755	1539	*2186	1515	7.1m (23.24ft)
0.0m (0.0ft)	-	-	*8494	3853	*6716	2865	*5264	2251	*4300	1827	-	-	*2368	1534	6.9m (22.77ft)
-1.0m (-3.3ft)	*4688	*4688	*8503	3824	*6498	2815	*51261	2210	*4173	1847	-	-	*2661	1607	6.6m (21.8ft)
-2.0m (-6.6ft)	*7213	5973	*7529	3839	*5906	2808	*4670	2201	*3568	1806	-	-	*3153	1757	6.2m (20.23ft)
-3.0m (-9.8ft)	*7504	6062	*6087	3894	*4856	2842	*3708	2234	-	-	-	-	*3058	2042	5.5m (17.92ft)
-4.0m (-13.1ft)	*3892	*3892	*3892	*3892	*2968	2936	-	-	-	-	-	-	*2382	*2382	4.4m (14.48ft)

1. Ratings are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is the center-line of the bucket pivot mounting pin on the arm.
4. * Indicates load limited by hydraulic capacity rather than tipping capacity.
5. 0.0 m = Ground level.
6. For net lifting capacities, subtract bucket and quick hitch weight from lifting capacities specified above.

SY155U

STANDARD/OPTIONAL EQUIPMENT

OPERATORS COMFORT / CAB

Air suspension seat	•
Automatic air conditioning (C/H*)	•
7" Bluetooth touchscreen with built-in radio (FM/AM)	•
Armrests (adjustable)	•
12V outlets	•
Parallel wiper	•
7" touch display	•
Sky light window	•
AUX 1 on joystick	•
AUX 2 on joystick	•
Integrated cooling box	•
Cupholder	•

WORKING LIGHTS

Lights x 2 – front (LED)	•
Lights x 2 – boom (LED)	•
Lights x 1 – rear (LED)	•

UNDERCARRIAGE

Steel tracks (500/600/700 mm)	OPT
Cylinder guards – dozer blade	•
Holes / loops for fixing	•

ENGINE

Auto idle	•
Fuel pump	•

SAFETY & SECURITY

ROPS, TOPS and FOPS cab	•
Battery master switch	•
Travel alarm	•
Beacon lamp	•
Emergency stop button	•
Retractable seatbelt	•
Lockable bonnet	•
Lockable fuel cap	•
Hand rails	•
Rearview camera	•
All-round mirrors	•
EVI telematics	•

WORKING EQUIPMENT

Boom and arm load holding valves with overload indicator	•
Cylinder guards – boom	•
Double acting circuit for hydraulic quick coupler with piping	•
Breaker & shear line proportional on joystick with piping	•
Rotation line proportional on joystick with piping	•
Oil flow rate adjustable for attachments	•
Arm (2500/3000 mm)	OPT

HYDRAULIC SYSTEM

Swing brake	•
2-speed travel	•
Piping for additional hydraulic function AUX 1	•
Piping for additional hydraulic function AUX 2	•
Main filter	•
Hydraulic pre-pressure operating joysticks	•

The standard and optional equipment can differ depending on the country in which the machine is delivered. Please contact your local dealer for more information.

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.

HEX - SY155U - 08.2026 - EU - V1