

SANY

SY500H

TRACKED EXCAVATORS

Max. Gross Power

300kW / 1800 rpm

Operating Weight

49,500 kg

Max. Dig Depth

7490 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

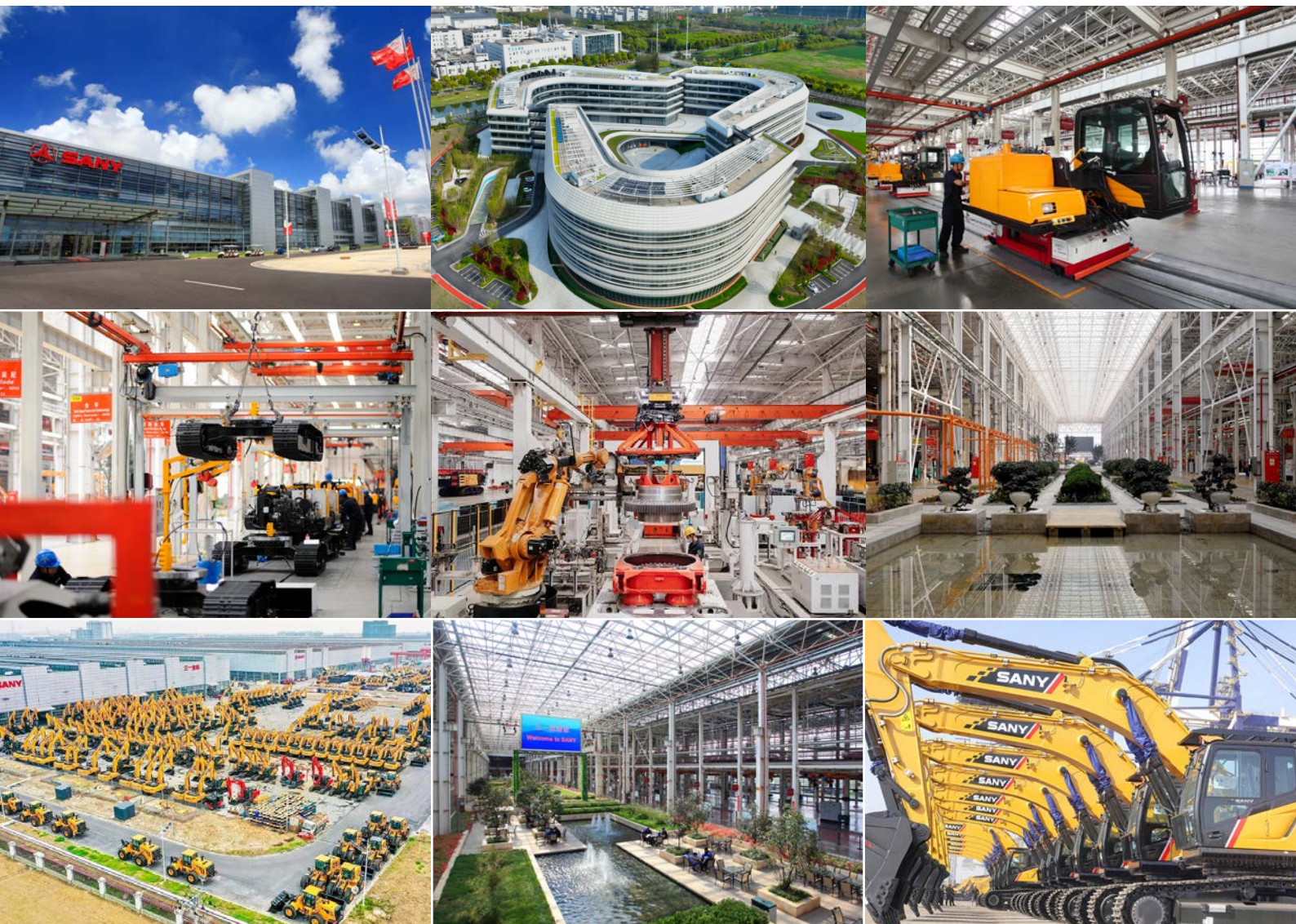
Every SANY machine destined for Australia is engineered to meet Australian regulations and real-world use cases – including CE, Tier III and stage V compliance specification offerings.

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 SY500H

The SANY SY500H tracked excavator combines heavy-duty production performance with outstanding fuel efficiency, making it ideally suited to large-scale civil construction, quarrying, and high-volume bulk earthmoving applications. Powered by a proven 300 kW Isuzu Tier 3 engine and Kawasaki hydraulic pumps optimised and tuned by SANY, the SY500H delivers high breakout forces, fast cycle times, and smooth, responsive machine control to maximise productivity on site.

Standard auxiliary hydraulics, hammer and bi-directional pipework, and quick-hitch compatibility provide the versatility to operate a wide range of heavy attachments across multiple applications. Built with a reinforced heavy-duty undercarriage, robust steel structures, and premium components, the SY500H is engineered to withstand Australia's toughest working conditions while delivering exceptional reliability, low operating costs, and maximum uptime.



WHY CHOOSE SANY EXCAVATORS



WORLD RENOWNED COMPONENTS

SANY integrates proven components from globally recognised manufacturers to deliver dependable performance, long service life and lower ownership costs in demanding applications



BUILT FOR AUSTRALIAN CONDITIONS

From quarry production and bulk earthmoving through to major infrastructure projects, the SY500H is engineered to perform in harsh Australian environments while delivering consistent results shift after shift.



PREMIUM COMMAND CARE 4 YEAR WARRANTY

Backed by SANY's comprehensive Command Care Warranty, the SY500H helps protect your investment against unexpected repair costs while supporting long-term resale value and ownership confidence



LOW COST OF OWNERSHIP

Efficient machine systems, simplified maintenance requirements and extended service intervals help reduce operating costs and deliver greater value throughout the life of the machine



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.



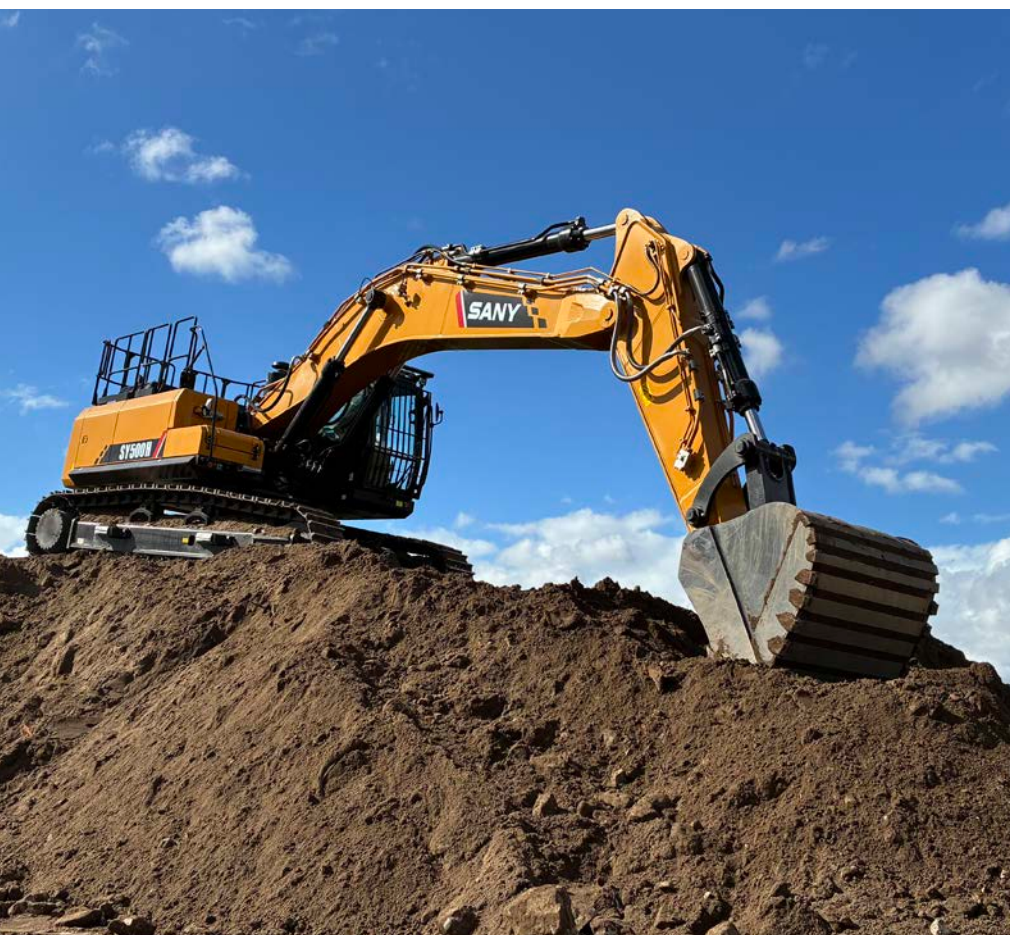
HIGH STANDARD SPECIFICATION

The SY500H comes equipped with the features Australian operators expect as standard, reducing the need for costly options while delivering greater value from day one.

SY500H

PRODUCTIVITY

Purpose-built for operations where machine utilisation and productive material extraction are critical to profitability. The SY500H is designed for large-scale excavation, it combines exceptional load out capability and lifting performance to help operators maintain high production levels across demanding applications.



BUILT FOR HIGH VOLUME PRODUCTION

← With an operating weight of 49.5 tonnes, a reinforced boom and arm assembly, and a heavy-duty undercarriage, the SY500H PRO is engineered for sustained operation in demanding environments.

Strong lifting performance, exceptional machine balance and 287 kN of bucket breakout force enable the machine to confidently handle high-production excavation, loading and material handling tasks while maintaining long-term durability.

VERSATILE OPERATION

Designed to perform beyond conventional excavation, the SY500H PRO can be equipped with a broad range of attachments including hydraulic hammers, pulverisers, grapples, and specialised quarry tools. Standard auxiliary hydraulics and bi-directional pipework provide the flexibility to adapt the machine to changing jobsite requirements.

HYDRAULICS DESIGNED FOR PRODUCTIVITY

→ SANY's auxiliary hydraulic circuits deliver precise proportional control and flow required to operate demanding hydraulic attachments with confidence. Smooth hydraulic response and accurate attachment control help operators maintain efficiency across a wide range of applications.

CEA's local Integrated quick hitch solutions and SANY's in-cab attachment control enable fast, safe attachment changes, helping maximise machine utilisation and minimise downtime between tasks.



SY500H

EFFICIENCY



CONSUMING LESS, PRODUCING MORE

↑ The SY500H PRO is engineered to reduce fuel consumption, minimise operating costs and maximise machine availability. Intelligent machine systems help deliver efficient performance across a wide range of demanding applications

The SY500H PRO is designed to maximise uptime in demanding applications. Intelligent hydraulic management continuously matches system output to machine demand, reducing wasted energy and helping lower operating costs throughout the life of the machine.

EFFICIENT OPERATION

↓ Selectable work modes allow operators to match machine performance to the task at hand, reducing unnecessary fuel consumption while maintaining smooth and predictable operation.

By optimising machine output to suit varying workloads, the SY500H PRO helps improve fuel efficiency and reduce operating costs across every shift.

ENERGY-EFFICIENT HYDRAULICS

↓ The advanced Kawasaki hydraulic system delivers oil flow and pressure only when required, reducing wasted energy and improving overall machine efficiency.

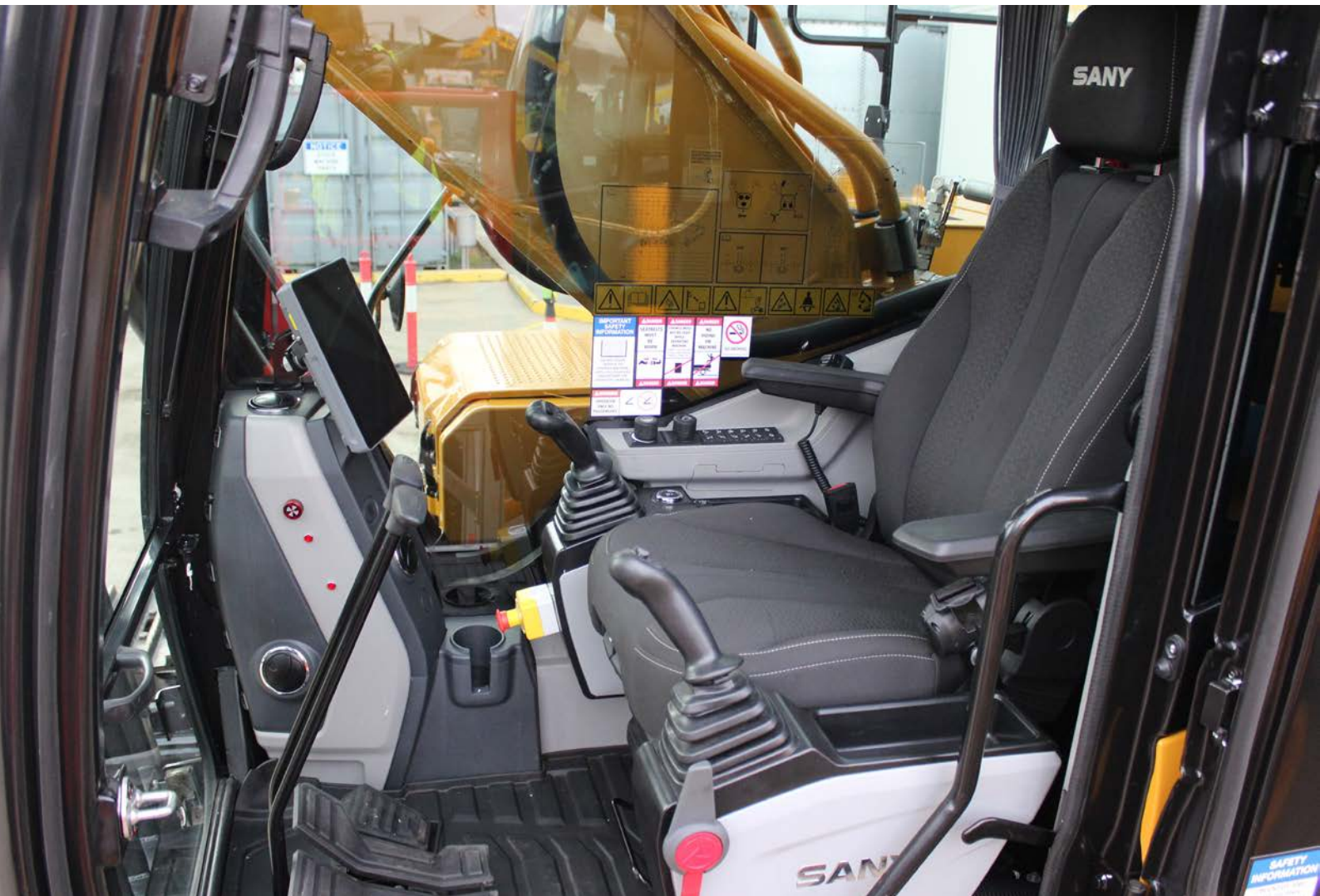
Precise hydraulic management helps lower fuel consumption, reduce component wear and deliver consistent performance across demanding applications



SY500H

OPERATOR ENVIRONMENT

The SY500H PRO's spacious C11 Enhanced cabin is designed to keep operators comfortable and in control throughout long working shifts. From the ergonomic controls to the premium seating position, every element is engineered to reduce fatigue and support efficient operation in demanding environments.



PREMIUM COMFORT

↑ Designed for long hours in the seat, the SY500H PRO features an air suspension seat, adjustable armrests and a spacious operator environment that helps minimise fatigue throughout the working day.

Automatic climate control maintains a comfortable cab temperature in all conditions, while low in-cab noise levels create a refined working environment that supports operator focus throughout the shift.

JOB SITE AWARENESS

↑ Large glazed surfaces, strategically positioned mirrors and an integrated rear-view camera provide excellent visibility around the machine, helping operators work confidently in busy jobsite environments.



EVERYDAY EASE

↙ The 10-inch touchscreen display provides intuitive access to machine functions and attachment settings, helping operators make adjustments quickly and efficiently.

Proportional auxiliary controls, Bluetooth connectivity, USB power outlets, integrated storage and a practical cab layout ensure essential functions remain easily accessible throughout the working day.

SY500H

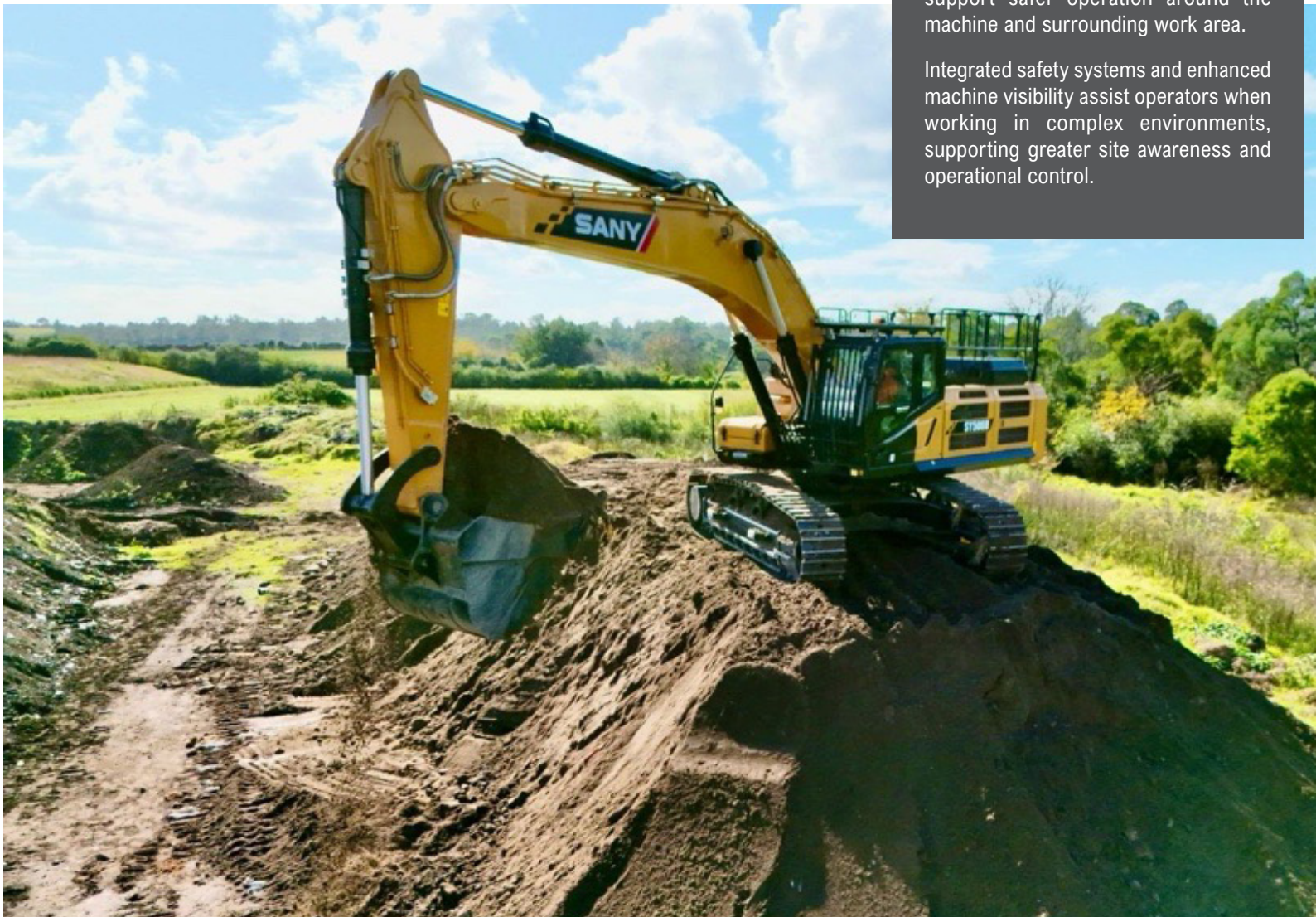
SAFETY & SECURITY

The SY500H PRO is equipped with a comprehensive range of safety and security features designed to protect operators and critical machine systems in demanding quarry, mining support and earthmoving applications. From advanced operator protection to integrated security technology, every feature is engineered to support safer operation and greater peace of mind on site.

PROTECTING BYSTANDERS

High-output LED work lights provide excellent visibility in low-light and night-time operating conditions, helping support safer operation around the machine and surrounding work area.

Integrated safety systems and enhanced machine visibility assist operators when working in complex environments, supporting greater site awareness and operational control.



STRUCTURAL INTEGRITY

The SY500H PRO features OPG Level II top and front protection system designed to provide enhanced operator protection in demanding applications.

Heavy-duty steel structures, reinforced chassis bump rails and robust guarding help protect critical machine components while contributing to long-term durability and reliability.

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.

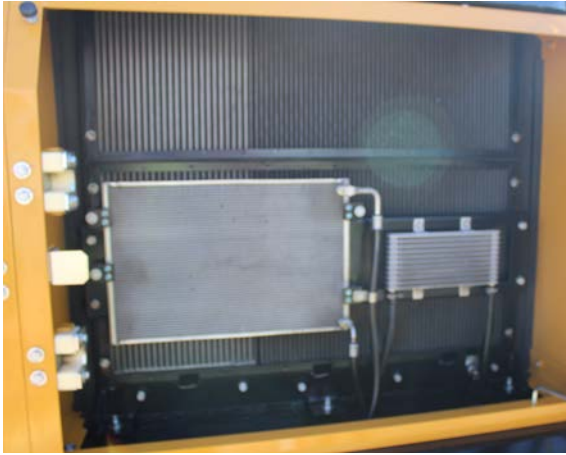
Advanced anti-theft EVI telematics employ GPS tracking and configurable geofencing, this along with a password protected keyless stop/start function, safeguard the machine from theft and unauthorised use.



SY500H

SERVICE & MAINTENANCE

Built to maximise uptime in demanding applications, the SY500H PRO is designed with accessible service points, simplified maintenance procedures and proven components throughout. Routine inspections can be completed quickly and efficiently, helping reduce downtime and keep the machine working longer.



ROBUST STRUCTURES

The SY500H PRO is built to withstand the demands of high-production environments. Reinforced steel structures, heavy-duty guarding and a purpose-built undercarriage help protect critical components from impact and wear.

A high-strength lower frame and durable upper structure provide the long-term durability required for quarry, civil construction and bulk earthmoving applications.



MAINTENANCE MADE EASY

◀ Wide-opening service doors provide convenient ground-level access to key maintenance areas, making daily inspections and scheduled servicing faster and more efficient.

Grouped service points and a practical machine layout help reduce maintenance time, allowing technicians to complete routine tasks quickly and safely.



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.

SY500H

ATTACHMENTS

The SY500H PRO is designed to deliver maximum versatility across demanding applications. Whether working in quarry production, bulk earthmoving, demolition or material handling, a wide range of attachments allows the machine to be configured for the task at hand and adapted to changing jobsite requirements.



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

A range of locally sourced application-specific buckets is available to suit quarrying, civil construction and bulk earthmoving applications. Designed for durability and efficient material retention, each bucket is selected to deliver optimum performance in its intended application.

ATTACHMENTS

Expand the capability of the SY500H PRO with a broad range of hydraulic attachments including hammers, pulverisers, grapples and specialised quarry tools. Purpose-built hydraulic circuits and proportional controls provide smooth, responsive operation across a wide variety of demanding applications.

SY500H

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

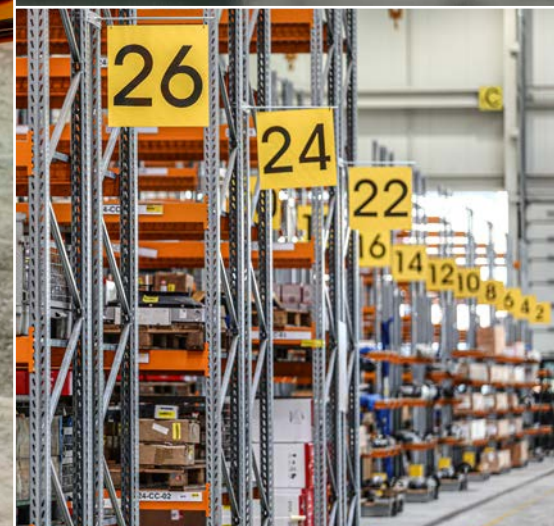
SANY's extensive network of certified technicians and dealer partners provides on-site service and technical expertise designed to minimise downtime and maintain peak machine performance.

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.



SY500H

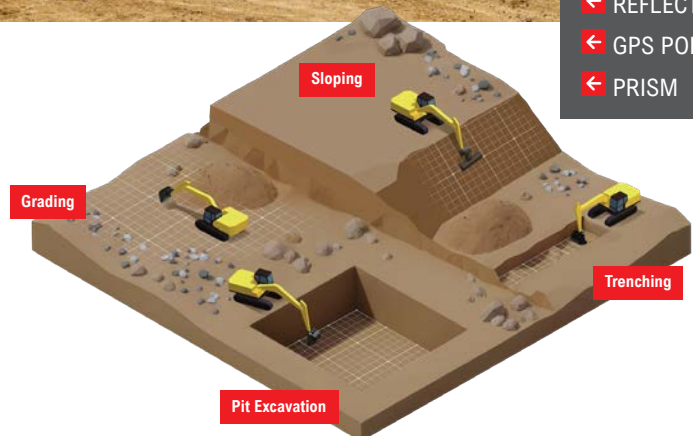
INTELLIGENT SUPPORT



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

SY500H

SPECIFICATION

POWER SYSTEM

Model	Isuzu 6WG1-XDHAG-03-C3
Type	Tier 3
Emission	ECM / HPCR / Cooled EGR
Rated Power	300Kw@1800rpm
Max torque (Nm / RPM)	1932/1400
Displacement	6 cyl / 15.68L
Batteries	2 x 12v High Performance

OPERATING WEIGHT

49,500 kg

Note: Includes 75kg (165 lb) operator, full fuel tank and excludes any
any Note: Includes 75kg (165 lb) operator, full fuel tank and excludes any

HYDRAULIC SYSTEM

Control Valve	Kawasaki KMX32NA
Main Pump	Kawasaki K5V212
Max Oil flow	2 x 385L/min Parallel
Auxiliary 1	Hammer - One Way / Bi-Directional Circuit
Auxiliary 2	Low Flow, Bi-Directional Tilt / Rotational Circuit

Based on theoretical calculation at max flow with no load.

PERFORMANCE

Traveling Speed (High/Low) (km/h)	5.4/3.1
Swing Speed (rpm)	8
Walking Traction (kN)	339
Gradeability	70%/35°
Ground Pressure (kPa)	75.3
Bucket Digging Force (kN)	287
Arm Digging Force (kN)	245

SERVICE REFILL CAPACITIES

Fuel Tank (L)	680
Hydraulic Oil Tank (L)	480
Engine Oil (L)	50
Cooling System Capacity (L)	28.6
Final Drive (L)	2×15
Swing Drive (L)	14

Subject to alterations.

In the interest of continual equipment development, SANY reserves the right to change these specifications at any time without prior notification.

SY500H

SPECIFICATION

LIFTING CAPACITIES - CONFIGURATION: BOOM 7,000 MM | STICK 3,000 MM | TRACK WIDTH 600 MM | COUNTERWEIGHT 8,700 KG

Load Point Height (B)	Radius (A) 3.0 m		Radius (A) 4.5 m		Radius (A) 6.0 m		Radius (A) 7.5 m		Radius (A) 9.0 m	
	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side
										
7.5 m	-	-	-	-	-	-	*8,940	*8,940	-	-
6.0 m	-	-	-	-	-	-	*9,398	*9,398	*9,035	*8,270
4.5 m	-	-	*16,060	*16,060	*12,094	*12,094	*10,266	*10,266	*9,334	*8,129
3.0 m	-	-	-	-	*13,961	*13,961	*11,276	*10,255	*9,838	*7,923
1.5 m	-	-	-	-	*15,408	*13,419	*12,166	*9,902	*10,323	*7,733
Ground line	-	-	*15,643	*15,643	*16,135	*13,107	*12,725	*9,676	*10,602	*7,610
-1.5 m	*12,096	*12,096	*21,217	*21,217	*16,121	*13,031	*12,971	*9,599	*10,406	*7,608
-3.0 m	*22,977	*22,977	*19,738	*19,738	*16,309	*13,147	*12,113	*9,692	-	-

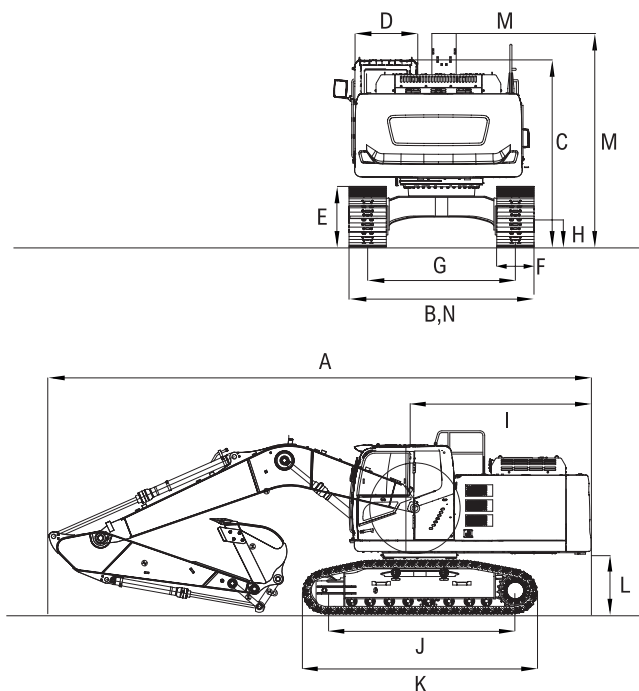
1. This lifting capacity is calculated based on ISO 10560 and SAE J1097 standards. Hydraulic system limit coefficient: 0.87. Tipping limit coefficient: 0.75.
2. Values marked with an asterisk (*) are limited by hydraulic pressure. Values without an asterisk are limited by stability.
3. The lifting point is the front support hole of the bucket rod. Bucket weight and any additional attachments must be deducted from the listed lifting capacity.
4. A = lifting radius in metres. B = load point height in metres.

SY500H

SPECIFICATION

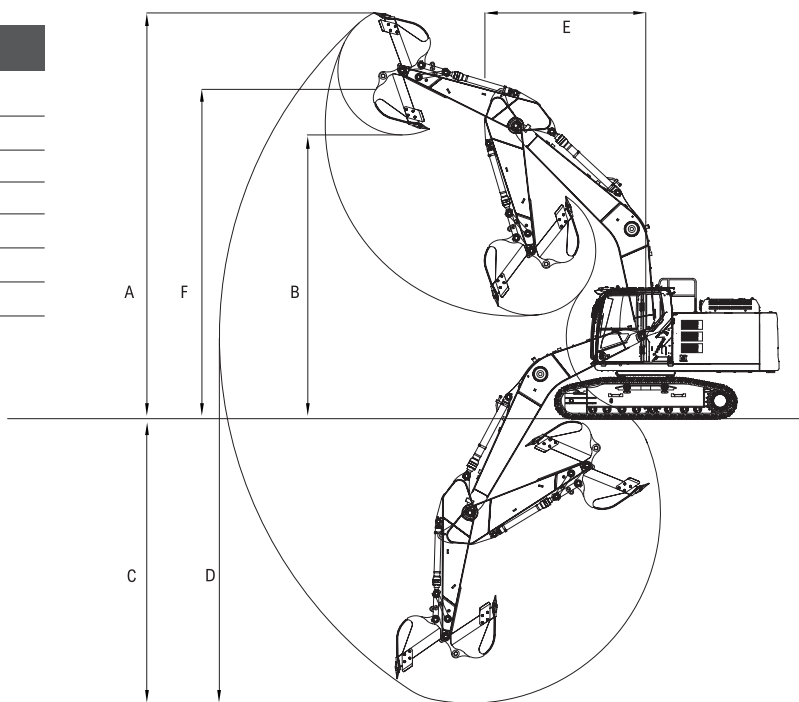
DIMENSIONS (TRANSPORT)

A Transport Length	12280
B Transport Width	3470
C Height Over Cabin	3850
D Upper Structure Width	3290
E Track Height	1220
F Standard Track Shoe Width	600
G Track Gauge	2740
H Minimum Ground Clearance	560
I Tail Swing Radius	3765
J Track Ground Length	4415
K Track Length	5440
L Counterweight Ground Clearance	1355
M Boom Height for Transport*	3600*
N Undercarriage Width	3470



WORKING AREA

A Maximum Digging Height	10950
B Maximun Dumping Height	7450
C Maximum Digging Depth	7490
D Maximum Digging Reach	11860
E Minimum Swing Radius	5240
F Maximum Height at Minimum Swing Radius	9100
Maximum Vertical Wall Digging Depth	5660



SY500H

STANDARD/OPTIONAL EQUIPMENT

OPERATORS COMFORT / CAB

Air suspension seat	•
Automatic air conditioning (C/H*)	•
10" Bluetooth touchscreen with built-in radio (FM/AM)	•
Armrests (adjustable)	•
12V outlets	•
Parallel wiper	•
10" High Resolution 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 (600/700 mm)	OPT
Tripple track guides	•
Holes / loops for fixing	•

ENGINE

Auto idle	•
Electric re-fueling pump	OPT
Fuel pump	•

SAFETY & SECURITY

ROPS, TOPS and FOPS cab	•
Battery master switch	•
Travel alarm	•
Beacon lamp	•
Emergency stop button	•
Standard 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	•
Double acting circuit for hydraulic quick coupler with piping	•
Breaker & shear line proportional on joystick with piping	•
Rotation line proportional on joystick with piping	OPT
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



SANY CEA
50 Skyline Crescent
Horningsea Park NSW 2171
Tel: 1300 788 757
Email: marketadmin@cea.net.au

www.cea.net.au/sany

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 - SY500H - 03.2026 - EU - V1