

**ELSEWEDY
ELECTRIC**

BUILDING
SOLUTIONS



SANY **EXCAVATORS**

Maximum Digging Performance
At Every Depth



ENGINEERED AS ONE.

CONTENTS

EXCAVATOR RANGE



SY215

Performance | Adaptability | Service Life
Maintenance | Specifications



SY330H

Technical Specifications | Machine Dimensions



SY335C

Highlights | Comfortable Driving
Powerful Performance | Technical Specifications



SY500H

Selling Points | Specifications
Standard Configuration

○ Standard configuration

Engine

- 24V/5.0kW starter motor
- 50A alternator
- Air prefilter
- Dry type dual-element air filter
- Cylinder-type engine oil filter
- Cylinder-type fuel oil fine filter
- Engine oil coarse filter
- Radiator with protective screening
- Radiator auxiliary water tank
- Fan aerofoil
- Isolated mounted engine
- Automatic idling system

Hydraulic system

- Operating mode selector switch
- Control valve with main overflow valve
- Spare oil port of control valve
- Oil suction filter
- Return oil filter
- Pilot filter

Slewing platform of superstructure

- Fuel oil level floater
- Hydraulic oil level gauge
- Tool kit
- Slewing parking brake
- Rearview mirror (right)

Alarm lamp

- Engine oil pressure insufficient
- Engine coolant temperature too high
- Fuel oil volume insufficient
- Failure code alarm

Cab

- Sound-proof steel-structure cab
- Reinforced light-color glass window
- Silicone oil rubber damper
- Openable top/front wall upper window and door window
- Emergency exit on rear window
- Wiper with washer (mute)
- Adjustable tilting seat with adjustable armrest
- AM-FM radio with digital clock (as a gift)
- Foot rest and floor mat
- Loudspeaker and rearview mirror
- Seat belt and fire extinguisher (as a gift)
- Cup holder and compartment lamp
- Ashtray and escape hammer
- Storage box and sundries bag
- Pilot controlled cut-off lever
- Fully-automatic air conditioner
- Sun shade

Air conditioning system

- Dual-purpose air conditioner
- A/C control panel
- Fresh air inlet system (fresh air exchanging function)

Instruments of monitoring system

- Hour meter and fuel tank oil level gauge
- Engine coolant temperature

Traveling body of undercarriage

- Traveling parking brake
- Traveling motor guard plate
- H-shaped track guide mechanism
- Hydraulic tensioning device of tracks
- Bolted driving wheel
- Thrust wheel and carrier wheel
- Reinforced chain trail with pin seal
- 600mm triple track shoes
- Reinforced side pedal
- Bottom cover plate

Front-end working device

- Flange pin
- Bucket clearance adjuster
- Welded connecting rod
- Central lubricating system
- All bucket pins are equipped with dustproof seal ring
- Reinforced all-welded box-type boom
- Reinforced all-welded box-type arm

Others

- Standard storage battery
- Lockable engine hood
- Lockable fuel filler cap
- Anti-slip sticker for armrest and sidewalk
- Traveling direction sign on traveling carriage
- Manual grease gun



- Rated power
118kW/2000rpm
- Total weight
21900kg
- Bucket capacity
0.93m³

SY215 Hydraulic excavator

Brand new change

QUALITY CHANGES THE WORLD
Lead by Innovation Splendid SANY



Contact
US



19159



Info@elsewedyelectricbuildingsolutions.com
www.elsewedyelectricbuildingsolutions.com



**ELSEWEDY ELECTRIC
BUILDING SOLUTION**

Plot No. 13co3, Cairo Festival City, 5th Settlement,
New Cairo - Egypt



SY215

Classic Succession Value leader

**New-generation Super Hydraulic
Excavator for Earthwork**



Selling Points

SY215 is a new-generation grade-21 super excavator for earthwork produced by SANY Heavy Machinery. It is designed for earthwork conditions and takes stonework into consideration. It targets to improve investment return of the customer. As compared with the competitor, it features "super excellent performance, super strong adaptability, super long life and super low maintenance cost" etc.



Super excellent
performance



Super strong
adaptability



Super long life

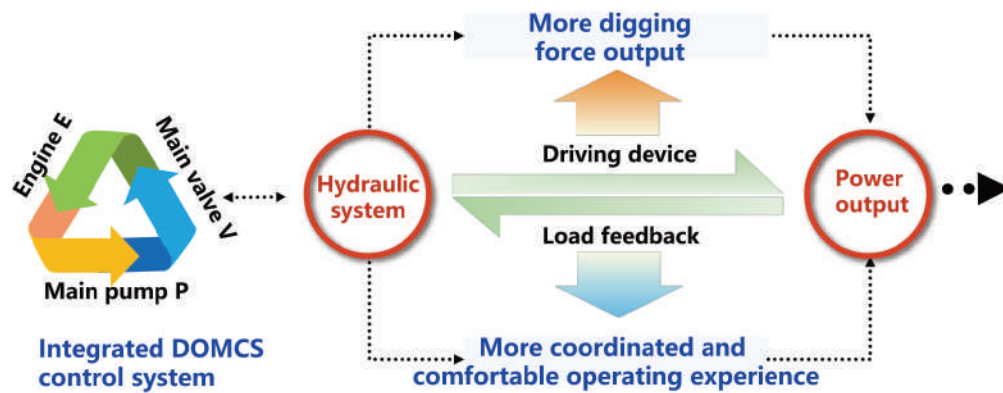


Super low
maintenance
cost

Super excellent performance

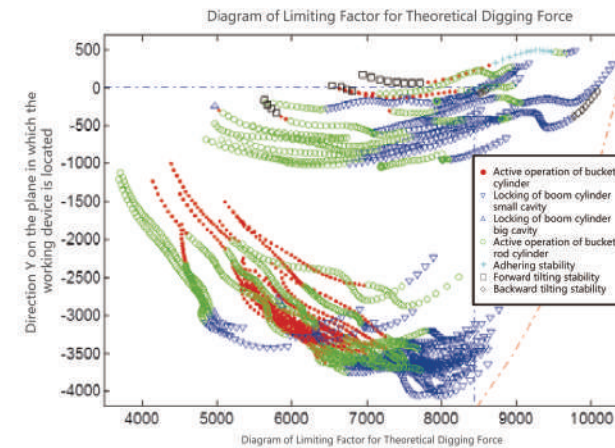
o Efficient and low consumption

With "positive flow" system and "DOMCS" integrated engine-pump- valve control system developed independently by SANY, the efficiency and fuel consumption surpass competitor brands. The efficiency is 8% higher and the fuel consumption is 10% lower.



o Super high digging force

By way of regulating power in real time in digging process and atlas analysis of digging force under full working conditions, the digging force is given into full play, and the efficiency is improved by 25%.



Green curve in the diagram indicates that the digging efficiency is given into full play and blue curve indicates other digging efficiency. As shown in the diagram, the region in which the digging force of SY215 is given into full play reaches 90% and others only reach 50%.

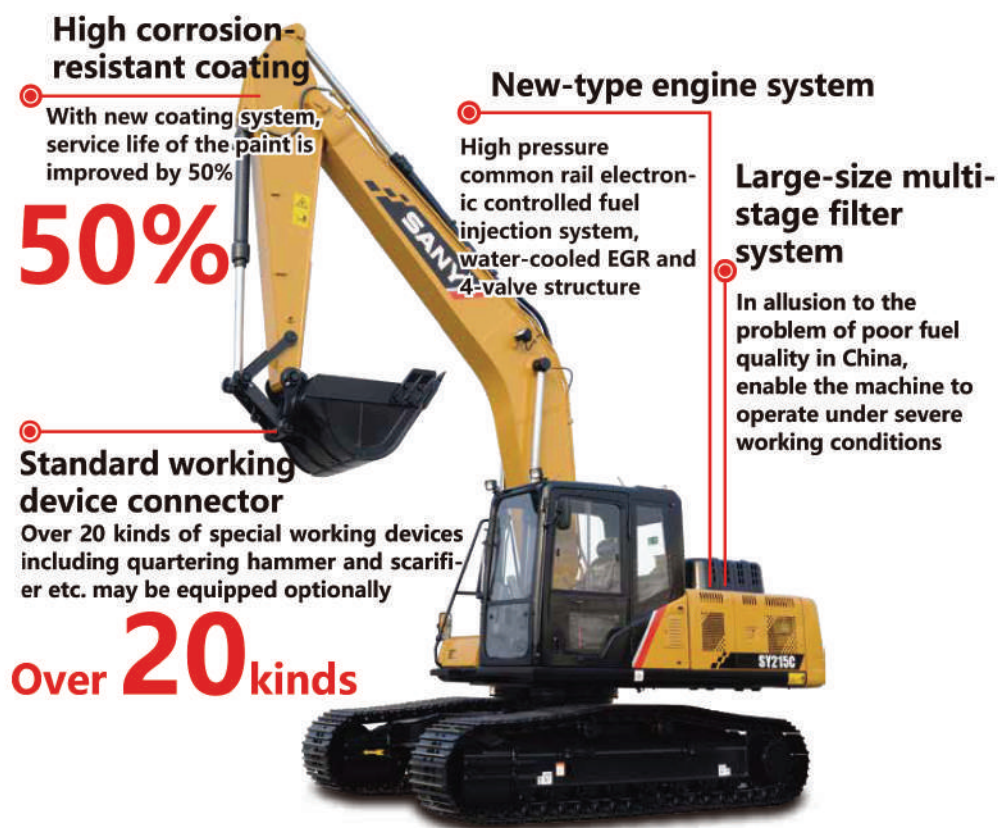
o Smooth controllability

With special handle, optimized valve core structure, regenerating channel and added intelligent interflow control etc. the pressure loss is reduced, operation coordination is improved and the equipment can be operated easily and smoothly.



Super adaptability

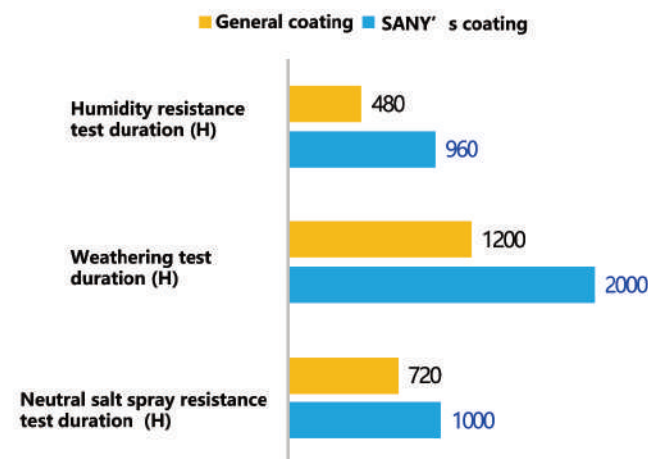
By improving safety and heat dissipation capability, and using efficient filter system and "high corrosion-resistant" coating, the adaptability of SY215C to the environment, working condition and oils is improved.



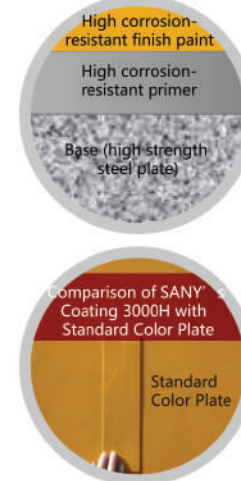
High corrosion-resistant coating

By cooperating with world known paint brands, aging life of the paint reaches the level of competitor brands and is 40% higher than that of general excavator

Comparison of coating endurance test data

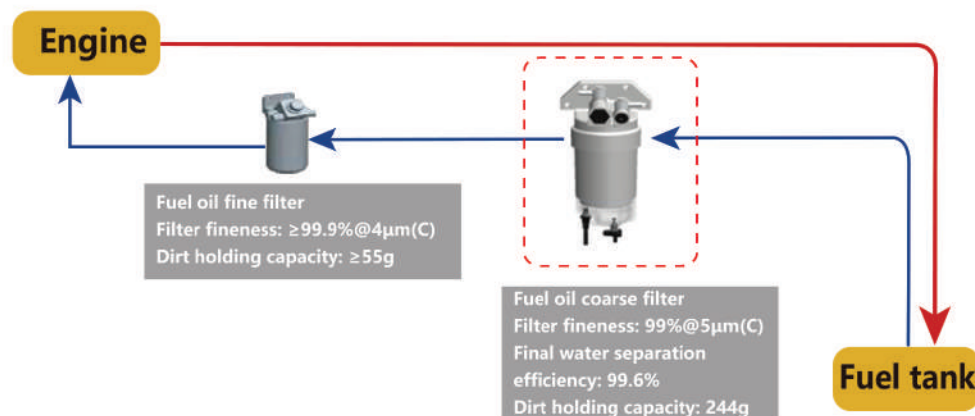


Coating distribution of SANY's high corrosion-resistant paint



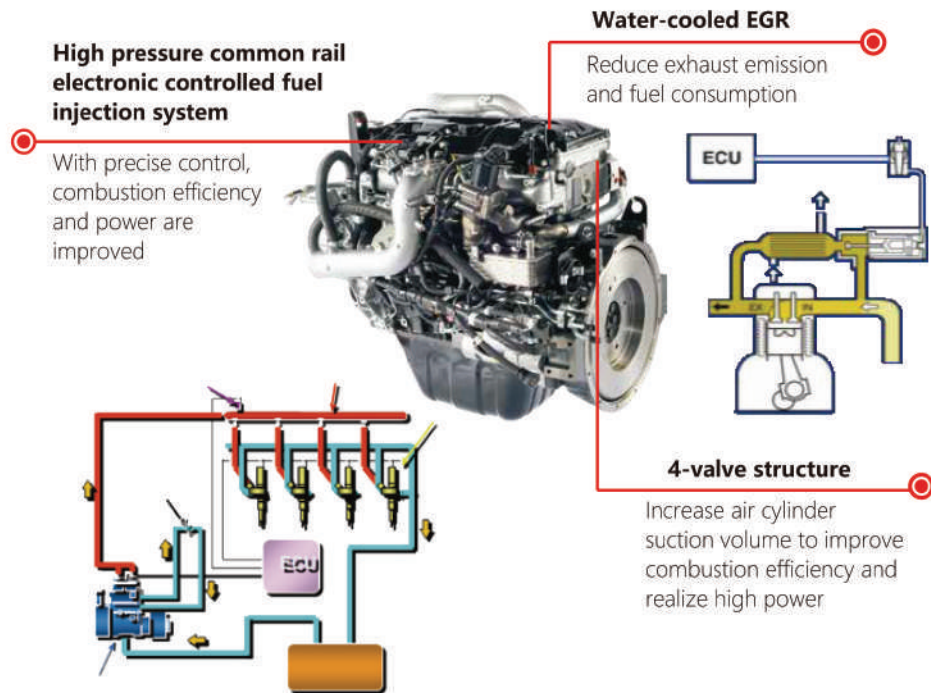
Large-capacity multi-stage filter system

Domestically initiative self-circulation "large-capacity multi-stage filter system" is launched in allusion various oils and meets emission requirements of national III standard. Top-level protection



○ New-type engine system

With new-type engine system, the efficiency improves by over 8% and fuel consumption declines by over 10%.



2 valves



4 valves

○ The machine serves several purposes

In allusion to individual demands of the customer for this tonnage, this product may work with more than 20 working devices, and various modified products to improve the earning power of the customer.

Configuration Table of Working Devices of SY215C Excavator

Model		SY215C			Remarks
Boom (m)		5.7	8.5		
Bucket rod (m)		2.9	2.4	6.02	
Bucket m ³	0.35	-	-	■	Maximum material density (kg/m ³): ● ≤2100; ■ ≤1800; ◆ ≤1500; ▲ ≤1200 - Unavailable
	0.93	●	-	-	
	0.9	■	-	-	
	1	■	-	-	
	1.2	-	■	-	

Example of special working device of SY215



SY215C
quartering hammer



SY215C
extension boom

Super long service life

Through the accumulation over 15 years, design life of SY215C exceeds 15,000h and surpasses competitor brands with the help of initiative "three-dimensional" design test system for large-scale excavator.

Five major structural members

As compared the product of previous generation, the service life of key structural members like boom, bucket rod, platform and undercarriage etc. is doubled

Hydraulic system

Delivery cleanliness of hydraulic system reaches NAS7 and is not only higher than competitor brands but also higher than industrial standard

Core parts

Core parts like main pump, main valve, oil cylinder and retarder etc. guarantee super long life



Key structural members

With most advanced international methods including optimization design of structural members, stress test, research of welds and plates, endurance test, 100% UT detection for key components and fatigue test for two axes, the service life of key structural members is improved comprehensively.



The boom adopts box-type structure with higher strength and is made of high-strength steel plates through advanced welding and molding process. The service life is four times of general boom.



Bucket rod adopts bottom plate reinforcing bars and forging front support etc. As compared with competitor brands, the stress on main loading point is 30% lower, and the service life is 30% higher.

In allusion to the positions with concentrated stress such as oil cylinder connections and boom root etc., special welding process and protection structure are used. The stress on loading point is 20% lower than the competitor.

Dedicated heavy-duty four-wheel & one-belt is used, and the service life is doubled.

Core parts

Relying on the only endurance test system for excavator parts in China, and through joint research with world famous research institutions, the research on service life of the parts is carried out for improving the service life of core parts comprehensively. The service life of components including pump, valve, oil cylinder, retarder, fuel tank and cab etc. is doubled.



Hydraulic components like oil cylinder and retarder etc. must be subjected to impulse test according to the requirements higher than industrial standard. They can be put into operation only after reaching the requirements. Through this process, the service life of the components is 30% higher than that of general brands.

Oil cylinder impulse test bed

Pump-valve test bed



With pump-valve endurance test bed, the service life of main pump and main valve are tested and analyzed. In combination with research achievements of long-life parts of the customer, the service life of the pumps and the valves is improved by 1 time.



With vibration test bench and test bed, fuel tank and the cab has been tested by over hundreds of thousands of times on aspect of the vibration to improve the service life of the component by 50%.

Vibration test bench and test bed

Super low maintenance cost

o Super low maintenance cost

SANY is developing long-life engine oil, diesel oil filter and hydraulic oil jointly with professional manufacturers. Through two years' market verification, maintenance cost of the product is reduced by 50%, and maintenance interval is extended by 1 time; as compared with competitor brands, the maintenance cost is reduced by 40%.

o Super easy management

Four-dimensional construction management system developed by SANY independently is equipped to improve maintenance convenience of maintainable parts, and make equipment management easier and simpler.



Pilot transition block is moved from main valve to the platform below air filter for the convenience of maintenance.



Engine oil drain pipe is added to prevent engine oil splashing in the process of maintenance.



Tail plate of the platform is straightened and storage battery is placed in front of the radiator for the convenience of service and maintenance.



o Maintenance convenience

In allusion severe working conditions of the mine, the design of maintenance convenience of the maintainable parts is improved. "Big space, Easy to operate". Maintenance space for various maintainable parts increases by 20%-30% and makes the operation easier!



Replace air filter element

Easy to replace air filter element



Replace diesel oil filter element

Easy to replace diesel oil filter element



Inspect the situation of engine oil



Pump oil by one push after engine goes off abnormally

Easy to inspect engine oil; pump oil by one push after engine goes off abnormally



Engine compartment



Water drain valve and check valve of fuel tank

Engine compartment volume increases by 20%, and water drain valve and diesel oil check valve are added

Product Introduction

o Main configuration

Core components like pumps, valves and engine etc. are designed jointly with proprietary intellectual property rights, and are manufactured by world famous manufacturers to ensure high quality and satisfy professional demands of SANY's customers

Engine



Engine meets emission standard and is equipped with high pressure common rail electronic injection system. It outputs high power and helps the customer to solve the operating difficulties of heavy-duty working condition.

Main valve



It is developed and designed according to the needs of the customer, and has outstanding advantages including "high reliability, low pressure loss, high flow distribution efficiency and smooth compound control action". It could handle heavy-duty operation conditions for the customer.

Main pump



Customized parallel pump for SY215; as compared with traditional tandem pumps, the power output increases by 10%, the arrangement structure is more compact and the maintenance becomes more convenient.

o Construction cases



SANY in Australia

SANY in ceramics mine of Hunan Province



SANY in national railway station of Thailand

Technical specifications

Specifications		Main performance	
Total weight	21900kg	Traveling speed (high/low)	5.4/3.3(km/h)
		Gradeability	70%(35°)
Engine		Ground pressure	47.4/45.9kPa
Model	4M50	Digging force of bucket	138kN/148kN (turbocharged in two times)
Type	4-cylinder, 4-stroke, water-cooled, electronic injection, common rail, with turbocharger	Digging force of arm	103kN/107kN (turbocharged in two times)
Rated power	118kW/2000rpm		
Maximum torque	580N.m/1600rpm		
Displacement	4.9L		

Capacity of oil and coolant		Traveling section	
Fuel tank	340L	Number of track shoes	47
Hydraulic oil	239L	Carrier wheel on each side	2
Coolant	29L	Thrust wheel on each side	8
Final drive	2×5.0L	Standard track	600mm
Engine oil	22L		

Table of Lifting Capacity

SY215C		 Rated lifting capacity under first working condition				 Rated lifting capacity under second working condition				Removed bucket weight: 770kg				Unit: kg		
Conditions	B	A										Maximum point position				
		3.0m		4.5m		6.0m		7.5m		9.0m						
																mm
Bucket rod 2919mm Boom 5700mm Counter weight 5700kg	7.5m						4439.18	4439.18						3142.46	3142.46	6275
	6.0m						5210.52	4631.08						3143.33	3143.33	7360
	4.5m						5905.03	4466.82	4636.06	3133.94				3099.06	2783.4	8025
	3.0m			8686.56	6388.9	6380.68	4225.13	4523.84	3031					3182.79	2540.63	8370
	1.5m			9504.66	5894.4	6112.18	3985.7	4396.98	2914.62					3381.35	2450.68	8435
	0	6663.3	6663.3	9129.42	5577.9	5922.25	3816.32	4296.37	2822.33					3717.27	2494.18	8230
	-1.5m	10709	10353.9	9085.85	5541.2	5840.95	3743.83	4275.64	2803.31					4110.75	2703.05	7730
-3.0m	16361	10539.8	9156.21	5600.5	5882.45	3780.84							4996.22	3295.6	6870	
-4.5m	14692	10913	9415.98	5819.6									6959.28	4477.58	5485	

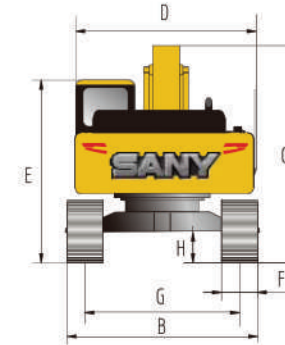
1. The lifting capacity is calculated in accordance with ISO10560 and SAE1097, where limit coefficient of hydraulic system is 0.87 and tilting limit coefficient is 0.75;

2. The item with the mark * is limited by hydraulic pressure and the item without the mark ** is limited by stability;

3. Lifting point is front support hole of bucket rod (excluding the weight of bucket). It is necessary to deduct from the above lifting capacity if additional accessory is installed such as bucket etc.

4. Lifting capacity of SY225C is improved by 1.04 times on the basis of SY215C.

Overall dimensions (mm)



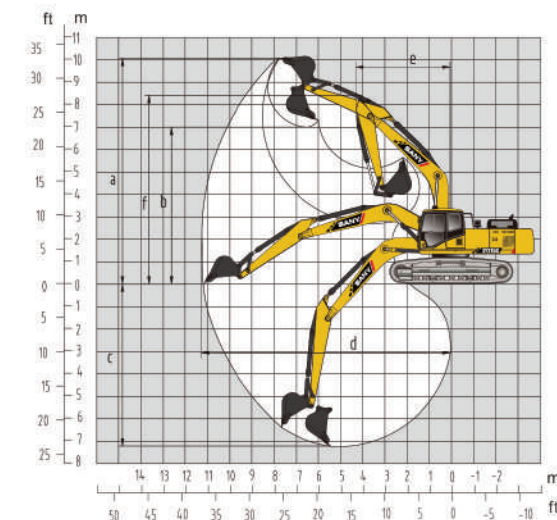
Overall dimensions: mm SY215C

A. Overall length (in transportation state)	9680
B. Overall width	2980
C. Overall height (in transportation state)	3440
D. Upper width	2875
E. Overall height (cab top)	3075
F. Width of standard track shoe	600
G. Track gauge	2380
H. Minimum ground clearance	440
I. Slewing radius of tail	2900
J. Ground contact length of track	3445
K. Track shoe length	4250

Performance Parameters SY215C

Total weight, kg	21900
Bucket capacity, m ³	0.93
Rated power, kW/rpm	118/2000
Traveling speed (high/low), km/h	5.4/3.3
Slewing speed, rpm	11
Gradeability	70%/35°
Ground pressure, kPa	47.4
Digging force of bucket, kN	138/148
Digging force of bucket rod, kN	103/107

Operating range (mm)



Operating range: mm SY215C

a. Maximum digging height	9600
b. Maximum unloading height	6730
c. Maximum digging depth	6600
d. Maximum digging distance	10280
e. Minimum slewing radius	3730
f. Maximum height at minimum slewing radius	7680



Classic *SY215* Succession Value leader

New-generation Super Hydraulic
Excavator for Earthwork





-  Superior Performance
-  Super high adaptability
-  Super-long Service Life

- ◆ Upgraded cab, AC, seats for better sealing and cooling. Global methods optimize structure, enhance key components' service life.
- ◆ Real-time power regulation increases excavation efficiency by 25%.
- ◆ First self-circulation filtration copes with various oil products.

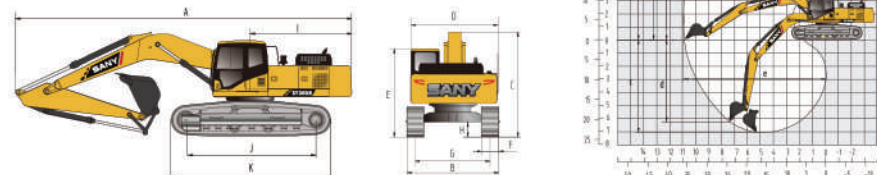
SY330H

Technical specifications

Specification		Main performance	
Operating weight	31500 kg	Traveling speed(high/low)	5.4/3.2 (km/h)
Bucket Capacity	1.65-2.0(1.65) m ³	Swing speed	9.0 rpm
Engine	Isuzu	Gradeability	70% (35°)
Mode	6HK1	Ground pressure	60.3 kPa
Type	Electronic control direct injection, 6-cylinder 4-stroke turbocharged intercooled, water-cooled	Bucket digging force	204 kN
Engine power	212 kW/ 2000 rpm	Arm crowd force	153 kN
Maximum torque	1080 Nm/ 1500 rpm		
Displacement	7.79 L		

Machine dimensions

Overall dimensions (mm)	SY330H	Operation range (mm)	SY330H
A. Overall length (in transportation state)	10667	a. Maximum excavation height	10497
B. Overall width	3190	b. Maximum unloading height	7359
C. Overall height (in transportation state)	3470	c. Maximum excavation depth	6815
D. Upper width	3175	d. Maximum excavation depth with vertical boom	5500
E. Overall height (cab top)	3280	e. Maximum excavation distance	10870
F. Width of standard crawler plate	600	f. Maximum slewing radius	4000
G. Track gauge	2590	g. Maximum height at maximum slewing radius	8405
H. Minimum ground clearance	550		
I. Slewing radius of tail	3315		
J. Ground contact length of crawler	3315		
K. Crawler length	4840		



ELSEWEDY ELECTRIC BUILDING SOLUTION
Plot No. 13003, Cairo Festival City, 5th Settlement,
New Cairo - Egypt

Contact US  **19159**
info@elsewedyelectricbuilding.com
www.elsewedyelectricbuilding.com

SANY[®]

Contact
US

19159

Info@elsewedybuildingsolutions.com
www.elsewedybuildingsolutions.com



**ELSEWEDY ELECTRIC
BUILDING SOLUTION**

Plot No. 13co3, Cairo Festival City, 5th Settlement,
New Cairo - Egypt

SANY[®]
QUALITY CHANGES THE WORLD

Engine power
190.5kW/2000 rpm

Bucket capacity
1.5(HD)/1.65(HD)/1.8m³

Operating weight
34300 kg (attachments not included)

SY335C
Sany Excavator

HIGHLIGHTS



STRONG POWER

SPECIAL ENGINE

- Equipped with Isuzu engine. Provide guarantee for power performance.
- Optimize power system components, engine service life is extended by 10%.
- Upgrade the fuel filtration system, suitable for bad oil.
- Using high elastic coupling with high polymer, high reliability.



Main pump

Maximizes the engine and main pump's efficiency range to achieve optimal performance and fuel economy.



Main valve

Designed based on customer needs, it offers high reliability, low pressure loss, high flow distribution efficiency, and smooth compound actions to handle heavy-duty tasks with ease.

HIGHLIGHTS



COMFORTABLE DRIVING

A safe and comfortable cab

Large space, more spacious; A broad vision, a broader perspective.
The top is equipped with headlamps, making night construction as bright as day.
Adjustable suspended seats and optimized silicone oil rubber shock absorbers enhance the driver's working comfort.
The mining excavator is equipped with a front guard net and tempered door and window glass to enhance the safety of the cab.

POWERFUL IN PERFORMANCE

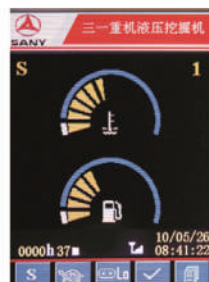
.01

A brand-new electronic control system

By adopting the original STVC electronic control method, the best power matching has been achieved.

Two-level idle speed control mode further reduces no-load fuel consumption.

The three-level working mode automatically selects the economical and efficient working mode based on the gear position.



.02

It has good fuel economy performance

Sany's dedicated engine has a wide fuel economy range and is fuel-efficient during operation.



.03

Increase the digging force

By optimizing the positions of the bucket arm, rocker arm, and bucket hinge points, as well as adjusting the parameters of the hydraulic cylinder, the digging force and digging range have been significantly enhanced.



.04

Perfect and smooth operational performance

Optimize the descent speed of the boom to prevent instantaneous impact.

The bucket rod is excavated and regenerated, and the oil in the small cavity flows back to the large cavity. Reduce the power loss caused by oil return in small cavities.

The large arm descent regeneration system ensures that the oil in the large cavity flows back to the small cavity, reducing the power loss caused by the oil return in the large cavity. The boom gives priority to rotation, significantly enhancing the operational efficiency.

By optimizing the valve core and weakening the starting wave peak, the single action is enhanced.

Micro-motion performance enhances efficiency and reduces fuel consumption.

Improve the coordination of compound actions by controlling the flow distribution.

Good stability, easy operation and improved efficiency.



.05

Rotary platform

The reinforced rotary platform is equipped with anti-collision side beams, effectively protecting components from damage.

The overall safety of the machine has been improved by 10% compared to the previous generation.



TECHNICAL SPECIFICATIONS

SPECIFICATION	UNIT	VALUE
Operating weight	kg	34300
Engine	-	Stage II
Bucket capacity	m ³	1.5(HD)/1.65(HD)/1.8
Model	-	6HK1
Type	-	Mechanical controlled direct injection, 6-cylinder, 4-stroke, turbocharged, inter-cooling and water-cooled
Engine power	kW/rpm	190.5/2000
Maximum torque	N·m/rpm	873/1700
Displacement	L	7.79

MAIN PERFORMANCE	UNIT	VALUE
Swingspeed	rpm	10.5
Max. travel speed	km/h	5.2/3.4
Grade ability	°	70% (35°)
Ground pressure	kPa	62
Bucket digging force	KN	220
Arm crowd force	kN	170

SERVICE REFILL CAPACITIES	UNIT	VALUE
Fuel tank	L	540
Liquid tank	L	380
Engine oil	L	35
Radiator	L	31.9
Final drive	L	2×6.3
Rotary drive	L	10.5

TABLE OF LIFTING CAPACITY

SY335C	Load radius(A)								At max. reach	
Load Point Height(B)	3.0m		4.5m		6.0m		7.5m		Capacity	Reach
										
7.5m							*8223	6877	*8231	6630
6.0m							*8275	6836	*7995	5529
4.5m					*10119	*10119	*8742	6651	*7897	4937
3.0m			*15299	12989	*11344	8722	*9346	6405	*7889	4626
1.5m			*16963	12171	*12316	8289	*9846	6170	*7915	4515
0			*17083	11825	*12702	8011	*10048	5998	*7942	4590
-1.5m	*12852	*12852	*16154	11761	*12366	7896	*9762	5919	*7928	4887
-3.0m	*18272	*18272	*14325	11869	*11179	7926	*8642	5958	*7966	5540
-4.5m	*13801	*13801	*11249	11249	*8710	*8710			*7176	7176

1. Ratings are based on ISO 10576.

2. Lift capacity of the SY335C Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic Capacity not including the use of power boost

3. The load point is the centerline of the bucket pivot mounting pin on the arm.

4. *Indicates load limited by hydraulic capacity.

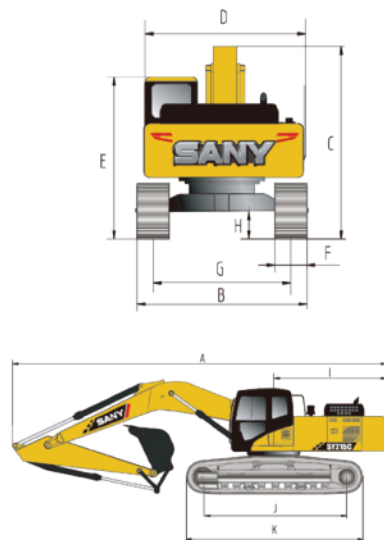
5. 0 m = Ground level.

 Rating over-front

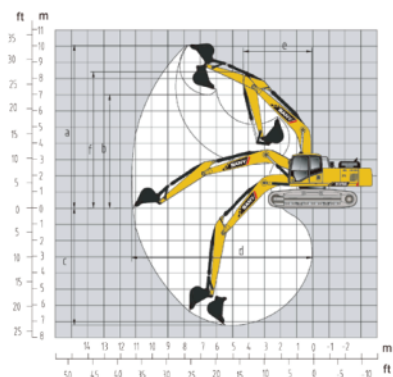
 Rating over-side or 360 degree

MACHINE DIMENSIONS

OVERALL DIMENSIONS	UNIT	VALUE
A. Transport Length	mm	11100
B. Transport width	mm	3190
C. Transport height	mm	3600
D. Upper body width	mm	3145
E. Overall height	mm	3085
F. Width of Std. track shoe	mm	600
G. Track gauge	mm	2590
H. Ground clearance	mm	550
I. Tail swing radius	mm	3300
J. Track length on ground	mm	4140
K. Track overall length	mm	5080



WORKING RANGE	UNIT	VALUE
a. Max. digging height	mm	10100
b. Max. dumping height	mm	7025
c. Max. digging depth	mm	7410
d. Max. digging reach	mm	11050
e. Min. swing radius	mm	4450
f. Max. height at min. swing radius	mm	8500



STANDARD CONFIGURATION

ENGINE SYSTEM	
Isolated mounted engine	●
Dynamic optimizing mode control	●
Radiator (with full protective screen)	●
24V/5kW starter motor	●
50A alternator	●
Dry-type dual-element air filter	●
Engine oil filter	●
Double-stage fuel oil filter	●
Auxiliary radiator water tank	●
Fan deflector	●
Automatic idling system	●
Preheating plug (for cold weather startup)	●
4000m operating altitude	●
Work mode (fuel saving mode, standard mode)	●
Dual-speed travelling	●
Refuelling pump	○
Three-stage fuel oil filter	○

HYDRAULIC SYSTEM	
Operating mode selector switch	●
Control valve with main overflow valve	●
Control valve with spare oil port	●
Oil suction filter	●
Oil return filter	●
Pilot filter	●
Oil drain filter	●

CAB	
Ultra-silence frame cab	●
Reinforced light-color glass window	●
Silicone oil rubber damper	●
Openable top/front wall upper window and left side window	●
Wiper (with washer)	●
Multidirectional adjustable seat	●
Radio (with digital clock)	●
foot rest and floor mat	●
Loudspeaker	●
Seatbelt and fire extinguisher	●
Cup holder and compartment lamp	●
Emergency hammer	●
Storage box and sundries bag	●
Pilot control cut-off lever	●
Fully-automatic A/C	●
Cab protective guards	○
Fops&Rops Cab	○

HYDRAULIC SYSTEM	
Fuel oil level sensor	●
Hydraulic oil level gauge	●
Toolbox	●
Slewing parking brake	●
Rearview mirror (right)	●
Cab alarm lamp	○

● Standard configuration ○ Optional



SY500H

NEW CHANGE

KING OF MINING EQUIPMENT
ASSET OF GREAT VALUE



SELLING POINTS

• SUPERIOR PERFORMANCE

The engine designed for large mining realized the high efficiency and low consumption, working efficiency up by 8% and fuel consumption down by 10%, strengthen digging force optimized the operation performance.

• LONG-TIME USAGE

Five part and core assembly service life improved greatly relying on trinity experiment system assures the machine can working more than 20000h in mining condition.

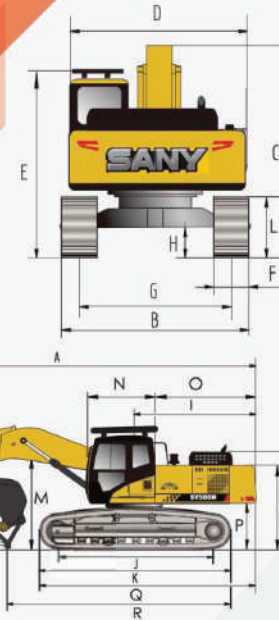
• EXCELLENT ADAPTABILITY

Over 20 special working device are optional, multistage filtration system provide the engine safest protection, independent oil radiator makes the machine working in a optimum temperature all the time.

• LOW COST OF MAINTENANCE

The parts are easy to change and maintain and the cost down by 50%; the maintenance period up by 100% by using high-quality oil and filter element.

Item(Unit:mm)

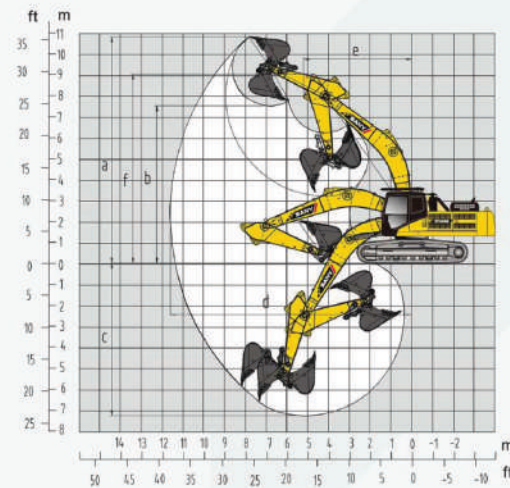


	SY500H
A Length(During Transportation)	12095
B Width(Transporting/Operating)	3360
C Height(During Transportation)	3790
D Upper body Width	3290
E Blade Height	3470
F Standard Track Shoe Width	600
G Track Gauge(Transporting/Operating)	2740
H Min Ground Clearance	560
I Tail Rotating Radius	3765
J Track Ground Contact Length	4415
K Track Length	5440

PerformanceParameter

	SY500H
Operating Weight	49500
Bucket Capacity m3	2.2~3.1
Rated Power KW/rpm	300/1800
Traveling Speed(High/Low) km/h	5.4/3.1
Rotating speed rpm	8.0
Gradeability	70%/35°
Ground Pressure(KPa)	87.1
Bucket Digging Force KN	287
Arm Digging Force KN	245

Operation Range



	SY500H
A Max. Digging Height	10950
B Max. Unloading Height	7450
C Max. Digging Depth	7490
D Max. Excavating Distance	11860
E Min. Rotating Radius	5240
F Max. Height at Min. Rotating Radius	9100

ELSEWEDY ELECTRIC BUILDING SOLUTION

Plot No. 13co3, Cairo Festival City,
5th Settlement, New Cairo - Egypt

Info@elsewedybuildingsolutions.com
www.elsewedybuildingsolutions.com

Contact US 19159



STANDARD CONFIGURATION

TRAVELING BODY OF UNDERCARRIAGE

Traveling parking brake	●
Traveling motor guard plate	●
H-shaped track guide mechanism	●
Hydraulic tensioning device of track	●
Bolted driving wheel	●
Carrier roller and thrust wheel	●
Reinforced chain track with pin shaft seal	●
600mm triple track shoe	●
Reinforced side pedal	●
Bottom cover plate	●
800mm track shoe	○

FRONT-END WORKING DEVICE

Flange pin	●
Bucket clearance adjuster	●
Welded connecting rod	●
Integrated lubricating system	●
All bucket pins are equipped with dustproof seal rings	●
Reinforced all-welded box-type boom	●
Reinforced all-welded box-type bucket rod	●
Anti-collision guard plate	●

SAFETY

Signal/alarm horn	●
Rearview mirror	●
Emergency exit on rear window	●
Negative pole switch of storage battery	●

● Standard configuration ○ Optional

FRONT-END WORKING DEVICE

Controller failure	●
Abnormal pump pressure	●
Pilot pressure of various movements abnormal	●
Abnormal power supply voltage	●
Starter motor relay abnormal	●
Abnormal hydraulic oil temperature	●
Engine oil pressure insufficient and engine coolant temperature high	●
Insufficient fuel volume	●
Return oil filter restriction alarm	●
Engine failure alarm	●
Fuel oil filter water level alarm	●
Radiator water level alarm	●

MONITORING SYSTEM INSTRUMENTS

Global positioning system (GPS)	●
7" colored display screen	●
EEVA system	●
Hour meter, fuel tank oil level gauge	●
Engine coolant temperature gauge	●
Altitude, track pressure, fuel consumption etc. can be added	●

OTHERS

High-capacity storage battery	●
Lockable engine hood	●
Lockable fuel filler cap	●
Anti-slip pedal, armrest and sidewalk	●
Traveling direction sign on traveling frame	●
Manual grease gun	●
Reversed bucket cylinder	○

**FAST SERVICE.
RELIABLE SUPPORT.**

**Contact US
19159**



**ELSEWEDY
ELECTRIC**

**BUILDING
SOLUTIONS**



ELSEWEDY ELECTRIC BUILDING SOLUTION

Plot No. 13co3, Cairo Festival City, 5th Settlement,
New Cairo - Egypt

**Contact
US**



19159



www.elsewedybuildingsolutions.com
info@elsewedybuildingsolutions.com