HYDRAULIC EXCAVATOR SY335C

SANY GERMANY
INSTRUMENT OF PERFORMANCE.

QUALITY CHANGES THE WORLD

The SY335C is one of five excavator models developed for the European market, meeting the highest customer requirements and needs. The reliable structure and improved stability enables the operator to fully concentrate on his work, whilst operating in a safe and efficient manner.

RELIABLE FIRST-CLASS COMPONENTS 08
Guaranteeing easiest and most versatile operation in every working environment. A structure that keeps all promises

LOWER FUEL CONSUMPTION 04 | 05
With perfectly aligned engine and hydraulics.

OPTIMIZED CABIN 06 | 07
For highest visibility and maximum comfort.

ENGINE ISUZU AL-6HK1X
POWER 210 KW /1900 RPM
OPERATING WEIGHT 35,500 KG
GROUND PRESSURE 49.2 KPA
BUCKET CAPACITY 1.5 M³

Simplified Service 09
Is a key tool for more uptime and reduced cost.
WHERE EFFICIENCY MEETS ECONOMICAL NEEDS.

Equipped with an Isuzu AL-6HK1X engine and improved hydraulic systems, this machine performs at the peak of efficiency. A negative flow controlled hydraulic system reduces fuel consumption by 10%, providing real-time match between engine and main pump power. With the Isuzu diesel engine with Stage IIIB Emission Standards, SANY is conscious of the environmental responsibility to reduce emissions and fuel consumption.

ISUZU AL-6HK1X STAGE IIIB
The power for SY335C comes from an Isuzu six-cylinder four-stroke direct-injection turbocharger diesel engine, featuring a high-precision filter system and air intercooler. With Stage IIIB emission standards, the engine follows the environmentally friendly direction of SANY products.

WORLD-LEADING NEGATIVE FLOW CONTROLLED HYDRAULIC SYSTEM
With the negative flow controlled hydraulic system, the main pump's displacement is directly proportional to the signal pressure from the operator's joystick. The controller determines the flow demand and variation trend of the actuator, and regulates the displacement. This provides a real-time match of flow.
THE PLACE TO BE.

ERGONOMIC AND COMFORTABLE WITH LOW CABIN NOISE

SANY’s optimized cabin enables an all-round visibility and is designed to support the operator’s natural range of action. Spacious leg room and an adjustable seat are at the center of comfort, supporting an excellent working environment and increased productivity.
A STRUCTURE THAT KEEPS ALL PROMISES.

SANY Hydraulic Excavators are designed and developed to perform in the toughest working conditions. A robot welding process ensures the precise production of a strong and durable machine. In intensive testing sequences, the products have to pass rigorous test procedures and prove their reliability, durability and longevity before being delivered to the customer.

REINFORCED BOOM AND ARM
The structure of the boom and arm of SY335C has been totally redesigned. With the emphasis on reducing stress points to a minimum, both boom and arm go through rigorous fatigue and field testing. With this, SANY has the confidence to apply their machines in any demanding working environment.

UNDERCARRIAGE
X-beam design, using a box-section structure with high strength and durability, provide excellent torsion and bending resistant performance. Track rollers, carrier rollers and idlers use seal-in lubrication that provides higher longevity. The triple grouser track shoes rolled with a high-strength alloy provide excellent contact, stability and durability. The track links have additional reinforced ribs to increase their strength and absorb shock when travelling on rough surface.

THE EASE OF MAINTENANCE.
Comfort and safety of the operator are attributes that SANY places a lot of emphasis on, always aiming at creating the optimum working atmosphere for the customer. Simplified maintenance and service of SANY’s Hydraulic Excavator has an effective impact on reduced time and cost. The design of SY335C allows you to safely service from ground level. The grouped filters are accessible with only one door.
YOUR VALUE IS OUR COMMITMENT.

SANY offers customized services and products to fulfill highest demands. We understand value as our commitment to you which we aim to reflect in everything we do.

- European R&D
- First Class After Sales Support
- Best return on investment
- Fast and customized solutions
- Premium distribution network
- Selected and market proven components
- Continuous improvement and development
- Quality driven production processes
- Manufacturing expertise
- Deep Industry knowledge
- Commitment to environmentally friendly and safe solutions

EXCELLENT PERFORMANCE. EXCELLENT SUPPORT.

The purchase of your SANY Excavator SY335C is just the beginning of a close relationship with SANY and its authorized dealers. SANY Germany understands the importance of an excellent After Sales Support to the customer, the organization is committed to minimize down-time and maximize the value of the products. SANY Germany’s dealers are carefully selected and trained to provide the best Aftersales service in the earthmoving machinery sector. Their service teams are there to support you, anytime, anywhere your SANY equipment is working. SANY Germany is backing up all service partners with a huge parts inventory in Germany, ensuring parts availability and short lead times. Employing most modern communication and administration systems, SANY allows an easy approach to address any request our customers have. SANY provides space for individual solutions and strives to grow with its customers’ businesses.
## SPECIFICATIONS

### ENGINE
- **Model**: AL-6HK1X
- **Displacement (l)**: 7.79
- **Engine power at rated engine speed (kW/rpm)**: 210/1900
- **Max. Torque (N-M @ rpm)**: 1080/1500

### HYDRAULIC SYSTEM
- **Type**: Negative control system
- **Number of selectable working modes**: 4
- **Main pump**: Variable-capacity piston pumps
- **Maximum flow (l/min)**: 2*380
- **Hydraulic motors**: 2 axial pistonmotor with parking brake
- **Swing**: 1 axial piston motor with swing holding brake
- **Relief valve setting**: 34.3mpa 336kg/cm² 4,974psi
- **Implement circuits**: 34.3mpa 336kg/cm² 4,974psi
- **Travel circuit**: 34.3mpa 336kg/cm² 4,974psi
- **Swing circuit**: 27.5mpa 270kg/cm² 3,988psi
- **Pilot circuit**: 3.9mpa 38kg/cm² 565psi
- **Hydraulic cylinders**: 140*1480
- **Arm cylinder diameter x stroke (mm)**: 170*1685
- **Bucket cylinder diameter x stroke (mm)**: 140*1285
- **Blade cylinder diameter x stroke (mm)**: 130*145

### SERVICE REFILL CAPACITIES (l)
- **Fuel tank**: 540
- **Hydraulic tank**: 340
- **Engine**: 21.5
- **Radiator**: 20
- **Final drive**: 2*15.5
- **Swing drive**: 4

### OPERATING WEIGHT
- **Operating weight with standard bucket, fully serviced, +75 kg operator (ISO)**: 35575
- **Ground Pressure (kPa)**: 49.2

### OPERATING RANGE
- **A Transport Length**: 10080
- **B Transport Width**: 3390
- **C Transport Height**: 3675
- **D Upperstructure Width**: 3145
- **E Upperstructure Height**: 3145
- **F Standard Track Shoe Width**: 700
- **G Track Gauge**: 2590
- **H Minimum Ground Clearance**: 550
- **I Tail Swing Radius**: 3330
- **J Center distance of tumblers**: 4140
- **K Overall length of crawler**: 5065
- **L Arm Length**: 6400
- **M Boom Length**: 3200

### UNDERCARRIAGE
- **Track shoe width (mm)**: 700
- **Number of track shoes (per side)**: 45
- **Carrier roller (per side)**: 8
- **Track roller (per side)**: 9

### DIMENSIONS

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<tbody>
<tr>
<td>A Transport Length</td>
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<td>O Upperstructure Height</td>
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<td>P Maximum Travel Force (kN)</td>
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<td>Q Gradeability</td>
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<td>R Travel Speed (Low/High) (km/h)</td>
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<td>S Maximum Travel Force (kN)</td>
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<td>T Arm Digging Force (kN)</td>
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<td>U Bucket Digging Force (kN)</td>
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<td>W Max. Dumpying Height</td>
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<td>Y Max. Vertical Digging depth</td>
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<td>B Max. Swing Radius</td>
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STANDARD EQUIPMENT

ENGINE
- Mode control (H, S, L and B)
- Start motor 24V/4.9KW
- Alternator 24/70A
- Air pre-cleaner
- Dry double-filtering air cleaner
- Cartridge type engine oil filter
- Engine oil cooler
- Radiator with protective screen
- Auxiliary water tank for radiator
- Fan guard
- Separately installed engine
- Automatic idle system

SWING PLATFORM
- Fuel level float
- Hydraulic oil level gauge
- Toolbox
- Rear view mirror (R and L)
- Swing brake
- Counterweight

OPERATOR STATION
- ROPS compliant cab
- Noise proof steel-structured cab
- Laminated glass
- 6 silicone rubber damping support
- Openable roof hatch, upper front and left window
- Rear window escape exit
- Window wiper with washer
- Adjustable inclined seat with adjustable armrest
- AM-FM radio with digital clock
- Foot rest and floor mat
- 2 speakers
- Rear view mirror
- Seat belt
- Cab light
- Storage box, literature bag
- Hydraulic lockout control
- Fully automatic air-conditioner
- Cab visor
- 12V socket

HYDRAULIC SYSTEM
- Working mode selection switch
- Control valve with main relief valve
- Spare oil port for control valve
- Oil suction filter
- Oil return filter
- Pilot filter
- Hose rupture valve boom
- Hose rupture valve arm

UNDERCARRIAGE
- Travel brake
- Travel motor guard
- H-track guiding mechanism
- Hydraulic track tensioner

OTHERS
- Bolted sprocket
- Carrier roller and track roller
- Reinforced track link with pin and seal
- 700 mm track shoe
- Bottom cover plate

LIFTING CAPACITY
Arm Length: 3200mm
Rating Over Side
Rating Over Front

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<td>6.0m</td>
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<td>9.0m</td>
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Rating Over Side
Rating Over Front

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<tr>
<td>-4.5m</td>
<td>17908 15149 10875 10945 7234</td>
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MONITORING SYSTEM
- Hour meter
- Fuel tank level gauge
- Engine coolant thermometer
- Engine oil pressure gauge

ARM & INDICATOR LIGHTS
- Engine oil pressure
- Engine coolant temperature
- Fuel low level
- Voltage higher than specification
- Engine over speed
- Auto-idle engine warm up
- Hi/Lo speed
- Throttle position fault
- Overload Warning Device

FRONT WORK EQUIPMENT
- Flanged pin
- Bucket clearance adjustment
- Welded bucket link
- Central lubrication point
- Dust ring-seal of bucket pin
- 6.4 m fully-welded box boom
- 3.2 m fully-welded box arm
- 1.5 m³ standard bucket

MONITORING SYSTEM
- Hour meter
- Fuel tank level gauge
- Engine coolant thermometer
- Engine oil pressure gauge

OTHERS
- Standard battery
- Lockable engine hood
- Lockable fuel filler cap
- Anti-skid film
- Handrail walkway
- Travel direction mark
- Hand grease gun
Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.