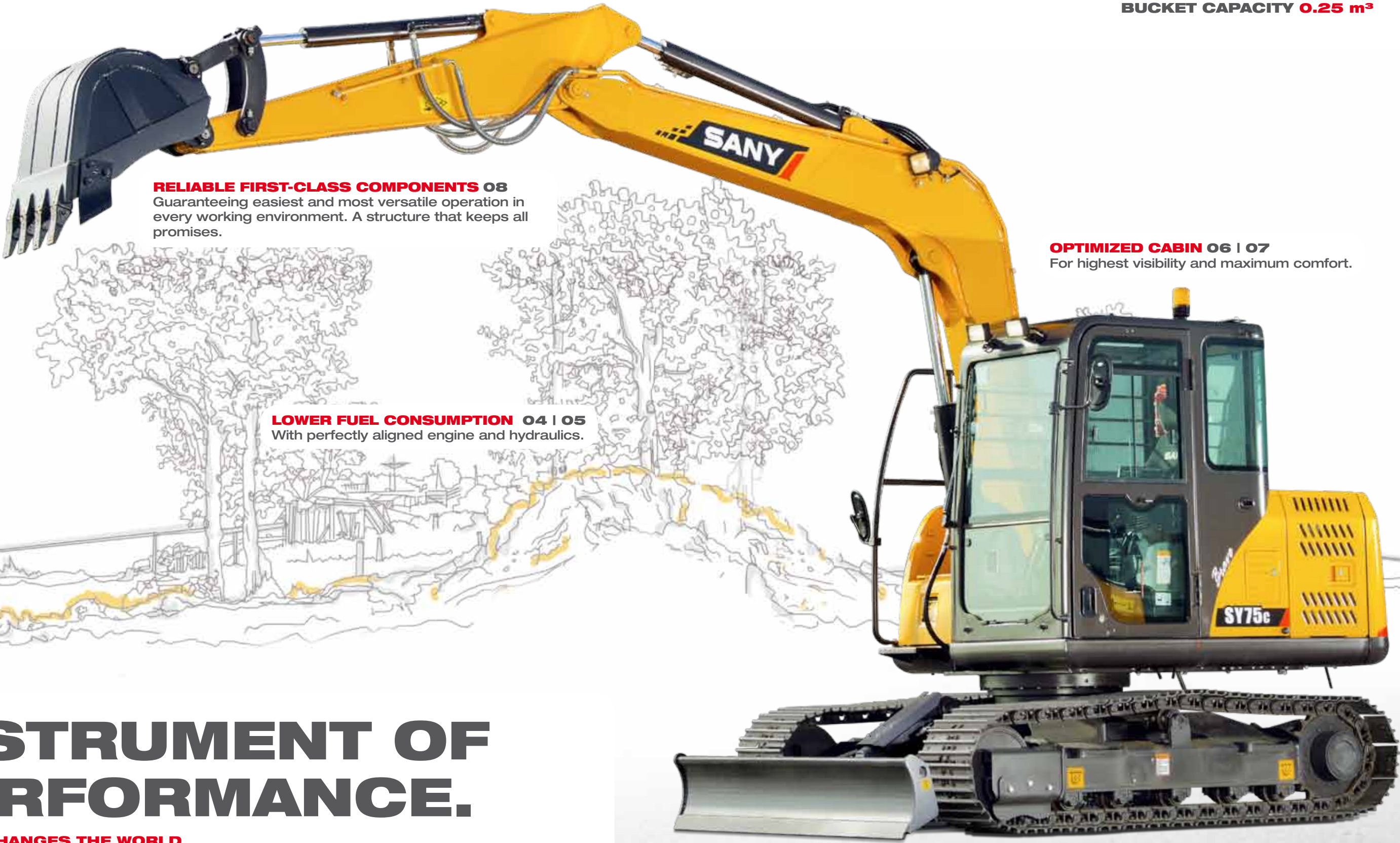


HYDRAULIC EXCAVATOR **SY75C**



SANY
GERMANY

ENGINE Isuzu AU-4LE2X
POWER 40.5 kW/2000 rpm
OPERATING WEIGHT 7.280 kg
GROUND PRESSURE 33 kPa
BUCKET CAPACITY 0.25 m³



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.

INSTRUMENT OF PERFORMANCE.

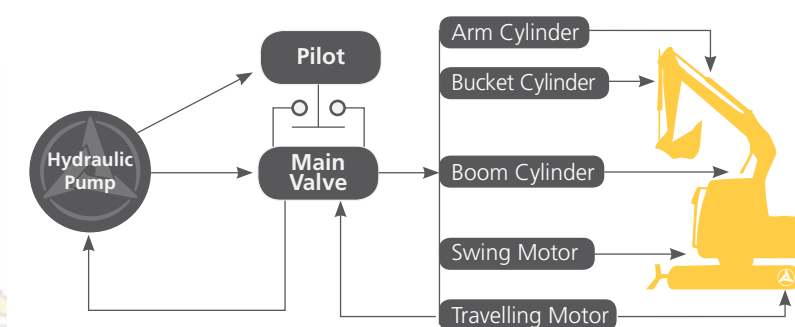
QUALITY CHANGES THE WORLD
The SY75C is the smallest excavator model developed for the European market, meeting the highest customer requirements and needs. The compact structure and improved stability enables the operator to fully concentrate on his work, whilst operating in a safe and efficient manner.

SIMPLIFIED SERVICE 09
Is a key tool for more uptime and reduced cost.



ISUZU AU-4LE2X STAGE III

The power for SY75C comes from an Isuzu four-cylinder four-stroke direct-injection diesel engine, featuring a high-precision filter system and an auto deceleration system. With Stage/Tier III emission standards, the engine follows the environmentally friendly direction of SANY products.



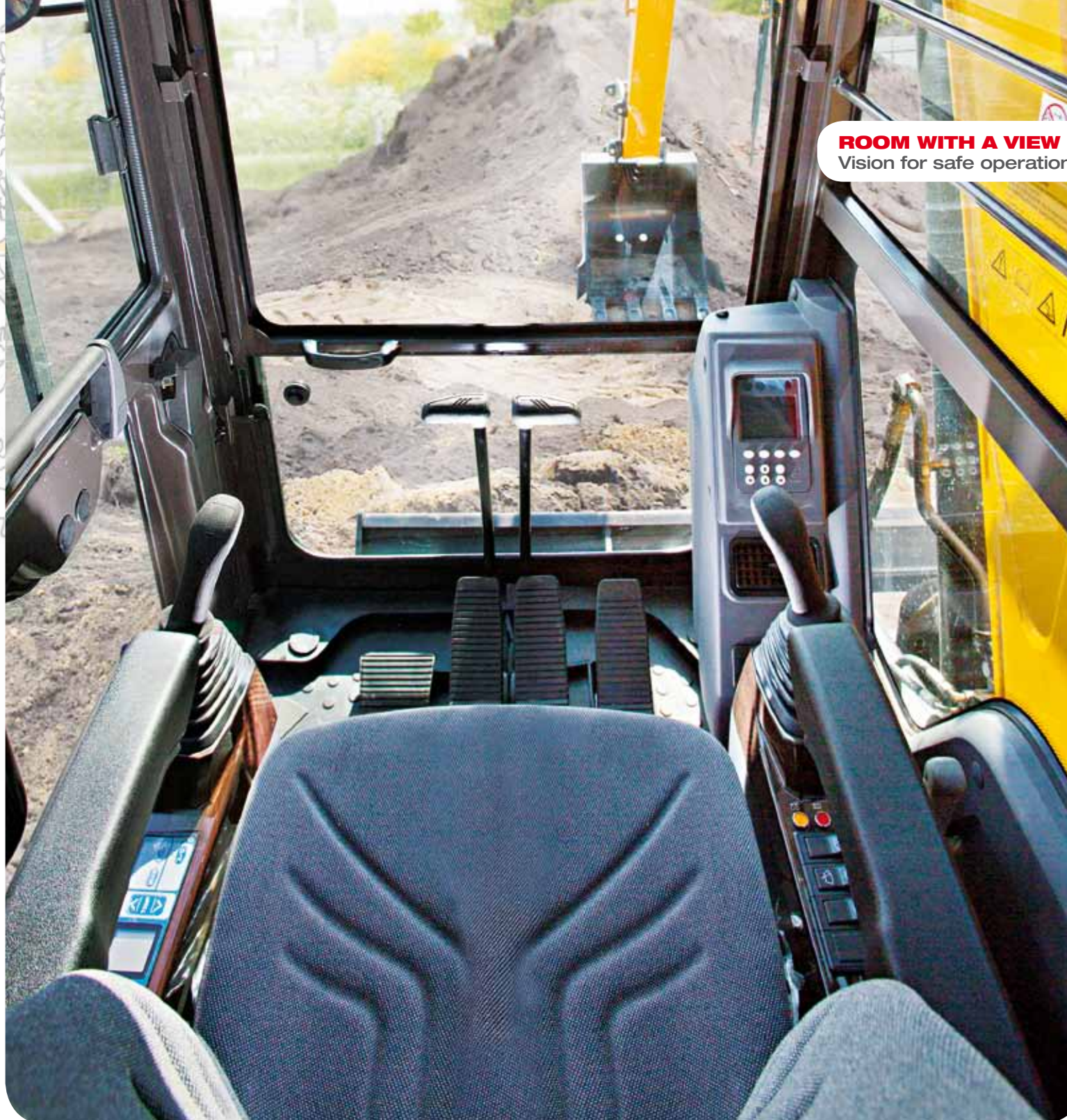
LOAD-SENSING FLOW DISTRIBUTION SYSTEM WITH OPTIMUM PERFORMANCE

Consisting of variable single pumps that provide a constant overall power, the load-sensing flow distribution system is of high stability and excellent performance, offering an almost perfect meticulous process. Its superior performance lies with the flow demand that is determined according to the actuators and their corresponding actions.

WHERE EFFICIENCY MEETS ECONOMICAL NEEDS.

Equipped with an Isuzu AU-4LE2X engine and improved hydraulic systems, this machine performs at the peak of efficiency and works 10% more effective than former models of SY75C. An auto-matic deceleration system facilitates fuel savings of 5-10% as it brings the engine down to idle mode after 3.5 seconds, after operations stop. With the Isuzu diesel engine with Stage/Tier III Emission Standards, SANY is conscious of the environmental responsibility to reduce emissions and fuel consumption.





ROOM WITH A VIEW
Vision for safe operation.



EASY ACCESS
Access and Egress made easy.



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.



HIGH TECH
Control at your fingertips.



TOP PERFORMER
in all conditions.

A STRUCTURE THAT KEEPS ALL PROMISES.

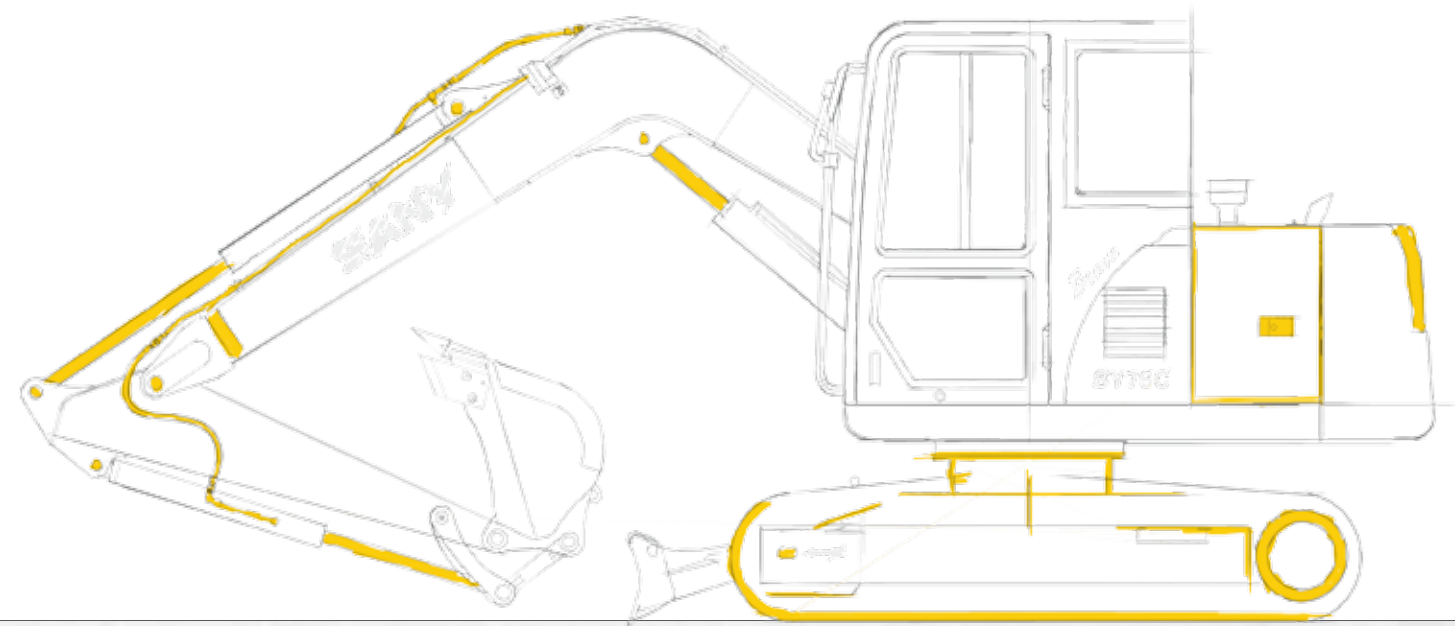
SANY Hydraulic Excavators are designed and developed to perform in the toughest working conditions. A robot welding process ensures the precise production of a strong and durable machine. In intensive testing sequences, the products have to pass rigorous test procedures and prove their reliability, durability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

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.

REINFORCED BOOM AND ARM

The structure of the boom and arm of SY75C 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.



SIMPLIFIED SERVICEABILITY
with ground level doors.



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 SY75C allows you to safely service from ground level. The grouped filters are accessible with only one door.

42

Spareparts

40

38

36

34

32

30

28

26

YOUR VALUE IS OUR COMMITMENT.

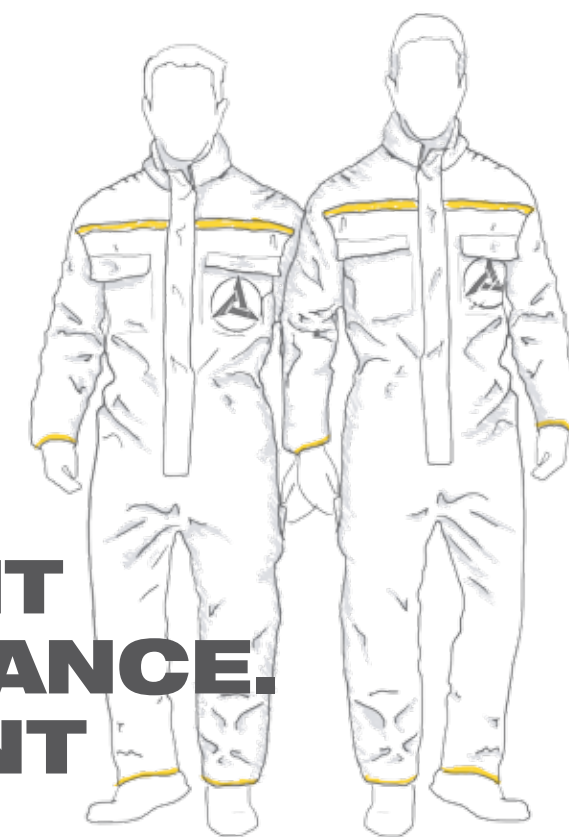
VALUE PLUS

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

HYDRAULIC EXCAVATOR SY215C SERVICE



EXCELLENT PERFORMANCE. EXCELLENT SUPPORT.

The purchase of your SANY Excavator SY75C 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 container handling 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	Isuzu AU-4LE2X
Displacement (l)	2.079
Engine power at rated engine speed (kW/ rpm)	40.5/2000
Max. Torque (N-M @ rpm)	210/1500

HYDRAULIC SYSTEM	
Type	Load Sensing
Number of selectable working modes	4
Main pump	
Type	Variable-capacity piston pumps
Maximum flow (l/min)	168
Hydraulic motors	
Travel	2* axial piston motor with parking brake
Swing	1* axial piston motor with swing holding brake
Relief valve setting	
Implement circuits	27.5mpa 269kg/cm² 3 psi
Travel circuit	27.5mpa 269kg/cm² 3.988psi
Swing circuit	21.5mpa 210kg/cm² 3.118psi
Heavy lift circuit	27.5mpa 269kg/cm² 3.988psi
Pilot circuit	3.5mpa 34kg/cm², 507psi
Hydraulic cylinders	
Boom cylinder diameter x stroke (mm)	110*885
Arm cylinder diameter x stroke (mm)	90*900
Bucket cylinder diameter x stroke (mm)	80*730
Blade cylinder diameter x stroke (mm)	130*145

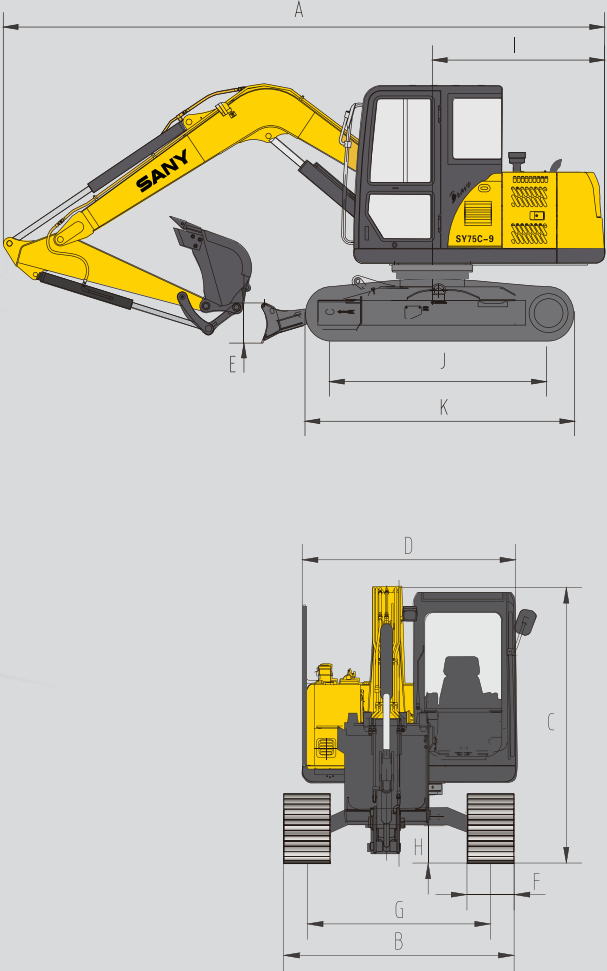
SERVICE REFILL CAPACITIES (l)	
Fuel tank	150
Engine coolant	12
Engine oil	10
Swing drive	1,5
Final drive (each side)	2.5
Hydraulic oil tank	120

OPERATING WEIGHT	
Operating weight with standard bucket (0.25 m³) and track shoes 450 mm (triple grouser), fully serviced, +75 kg operator weight (ISO)	
Operating weight (kg)	7355
Ground Pressure (kPa)	33

Drive	
Travel Speed (Low/High) (km/h)	2.4/ 4.4
Maximum Travel Force (kN)	56.8
Gradeability	70%/35°

Swing	
Swing Speed (rpm)	10

Digging Force	
Bucket Digging Force (kN)	51
Arm Digging Force (kN)	30

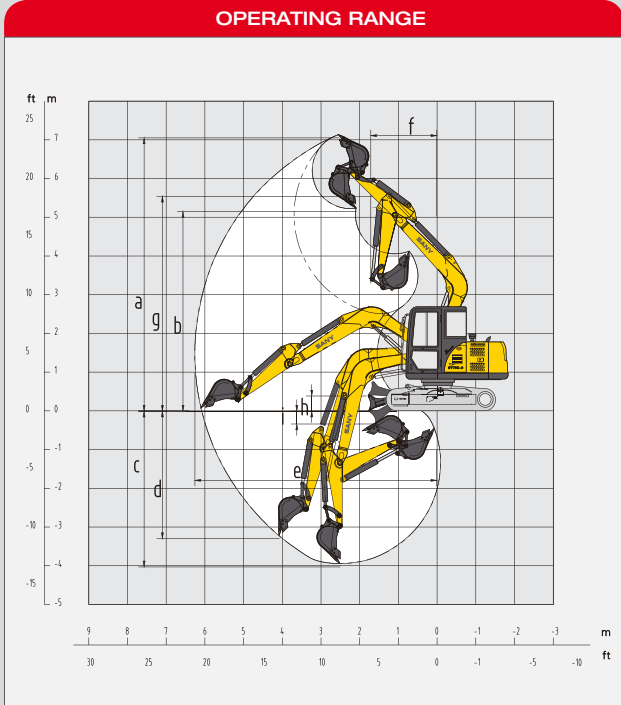


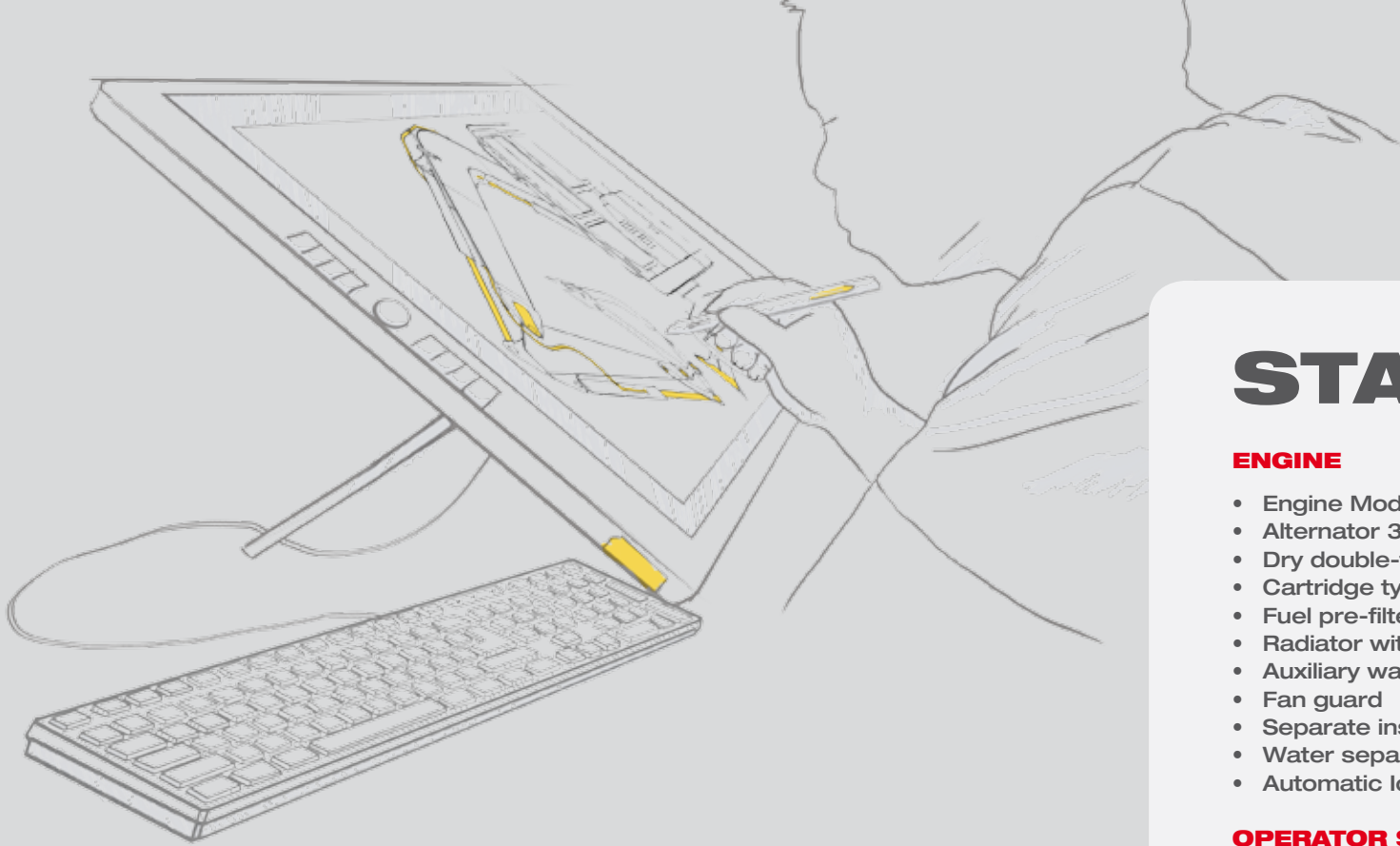
ITEM	mm
A Max. Digging Height	7420
B Max. Dumping Height	5495
C Max. Digging Depth	4450
D Max. Vertical Digging depth	3840
E Max. Digging Reach	6660
F Min. Swing Radius	1720
G Height at Min. Swing Radius	5550
H Max. Clearance when Blade up	390
I Max. Depth of Blade down	330

DIMENSIONS

ITEM	mm
A Transport Length	6095
B Transport Width	2220
C Transport Height	2610
D Upperstructure Width	2040
E Blade Height	405
F Standard Track Shoe Width	450
G Track Gauge	1750
H Minimum Ground Clearance	380
I Tail Swing Radius	1800
J Center distance of tumbler	2200
K Overall length of crawler	2815
L Counterweight Clearance	790
Boom Length	3720
Arm Length	2050


UNDERCARRIAGE	
Track shoe width (mm)	450
Number of track shoes (per side)	39
Carrier roller (per side)	1
Track roller (per side)	5






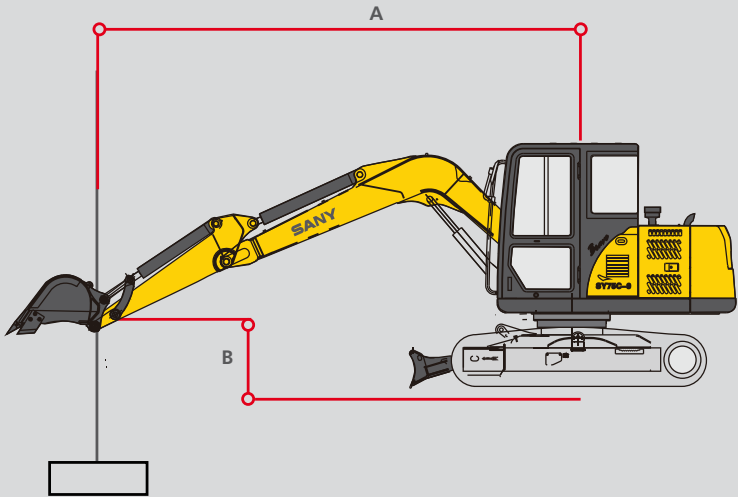
LIFTING CAPACITY










Arm Length: 1622mm

- 

Rating Over Side
- 

Rating Over Front



A \ B		MAX		2mm		3mm		4mm		5mm	
		Maximum									
5m kg	3812	1500	1500			1700	1700				
4m kg	4564	1350	1200			1850	1850	1800	1500		
3m kg	5008	1250	1050	3200	3200	2300	2200	1800	1450	1300	1050
2m kg	5225	1150	950			2650	2100	1750	1400	1250	1000
1m kg	5243	1150	900			2550	1950	1650	1400	1250	1000
0m kg	5065	1200	950			2450	1900	1650	1300	1200	950
-1m kg	4668	1300	1050	4350	3600	2450	1900	1600	1300		
-2m kg	3986	1650	1300	4450	3650	2450	1900				

STANDARD EQUIPMENT

ENGINE

- Engine Mode control (S, L)
- Alternator 30A
- Dry double-filtering air cleaner
- Cartridge type engine oil filter
- Fuel pre-filter
- Radiator with protective screen
- Auxiliary water tank for radiator
- Fan guard
- Separate installed engine
- Water separator
- Automatic Idle system

OPERATOR STATION

- ROPS Compliant cab
- Noise proof steel-structured cab
- Laminated glass
- 4 silicone rubber damping support
- Openable roof hatch, upper front window 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
- Cup holder and Ashtray
- Cab light
- Storage box, literature bag
- Hydraulic lockout control
- Fully automatic air-conditioner
- Cab visor
- 12 v 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

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

SWING PLATFORM

- Fuel level float
- Hydraulic oil level gauge
- Toolbox
- Rear view mirror (R and L)
- Swing brake
- Grease barrel holder
- Counterweight

FRONT WORK EQUIPMENT

- Flanged pin
- Bucket clearance adjustment
- Welded bucket link
- Central lubrication point
- Dust ring-seal of bucket pin
- 3.7 m Fully welded box boom
- 2.0 m Fully welded box arm
- 0.25 m³ standard bucket

ALARM & 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

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

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