HYDRAULIC EXCAVATOR SY235C

Engine	ISUZU AL-4HK1X
Power	140 kW/2000 rpm
Operating Weight	24900 kg
Ground Pressure	30,4 kPa



- RELIABLE FIRST-CLASS COMPONENTS
- LOWER FUEL CONSUMPTION
- SIMPLIFIED SERVICE

SANY

HYDRAULIC EXCAVATOR **SY235C**

SPECIFICATIONS

ENGINE	
Model	ISUZU AL-4HK1X
Displacement (L)	5,193
Engine power at rated engine speed (kW/rpm)	140/2000
Max. Torque (N·m/rpm)	676/1800

HYDRAULIC SYSTEM	
Type	Positive flow system
Number of selectable working modes	4
Main pump	
Type	Variable-capacity piston pumps
Maximum flow (L/min)	2x 252
Hydraulic motors	
Travel	2*axial piston motor with parking brake
Swing	1*axial piston motor with swing holding brake
Relief valve setting	
Implement circuits (MPa)	34,3
Travel circuit (MPa)	34,3
Swing circuit (MPa)	27,5
Heavy lift circuit (MPa)	34,3
Pilot circuit (MPa)	3,9
Hydraulic cylinders	
Boom cylinder diameter x stroke (mm)	1130x1295
Arm cylinder diameter x stroke (mm)	140x1675
Bucket cylinder diameter x stroke (mm)	130x1156

SERVICE REFILL CAPACITIES (L)	
Fuel tank	340
Engine coolant	20
Engine oil	21,5
Swing drive	4
Final drive (each side)	5,5
Hydraulic oil tank	340

OPERATING WEIGHT	
Operating weight with standard bucket, fully serviced, +75 kg operator (ISO)	
Operating weight (kg)	24900
Ground Pressure (kPa)	30,4

Drive	
Travel Speed (Low/High) (km/h)	3,5/5,4
Maximum Travel Force (kN)	209
Gradeability	35°

Swing	
Swing Speed (rpm)	11

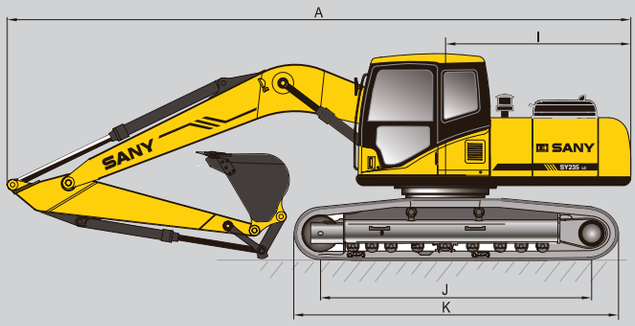
Digging Force	
Bucket Digging Force (kN)	175
Arm Digging Force (kN)	122



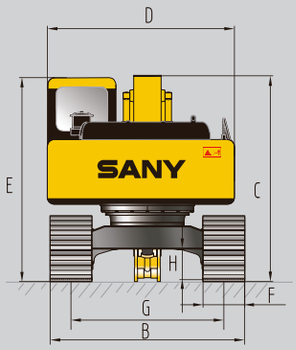
LIFTING CAPACITY

A / B	3.0m		4.5m		6.0m		7.5m		9.0m		MAXIMUM		mm
7.5m (kg)					5103.7	5103.7					5181.5	5065.4	6150
6.0m (kg)					5231.3	5221.8	5477.9	3569.7			5444	3546.7	7525
4.5m (kg)					7088	4990.7	5398.1	3497.9			4739.7	3064.5	8100
3.0m (kg)			8996.4	7079.33	7088	4679	5237.7	3353.5			4739.4	2799	8400
1.5m (kg)			11177.6	6455.1	7099.7	4384	5069.7	3202.2			4372.4	2661.5	8500
0 (kg)			10842.1	6183.4	6865.4	4180.4	4944.7	3089.7			4198.5	2707.9	8260
-1.5m (kg)	11090.6	11090	10738.9	6099.8	6765.3	4093.3	4900.3	3049.7			4730.9	2991.7	7750
-3.5m (kg)	17169.8	11810	10823.7	6168.5	6804.9	4127.8					5613.7	2532.7	6910
-4.5m (kg)	14747.7	12219	10544.9	6403.4							8000.2	4845.1	5510

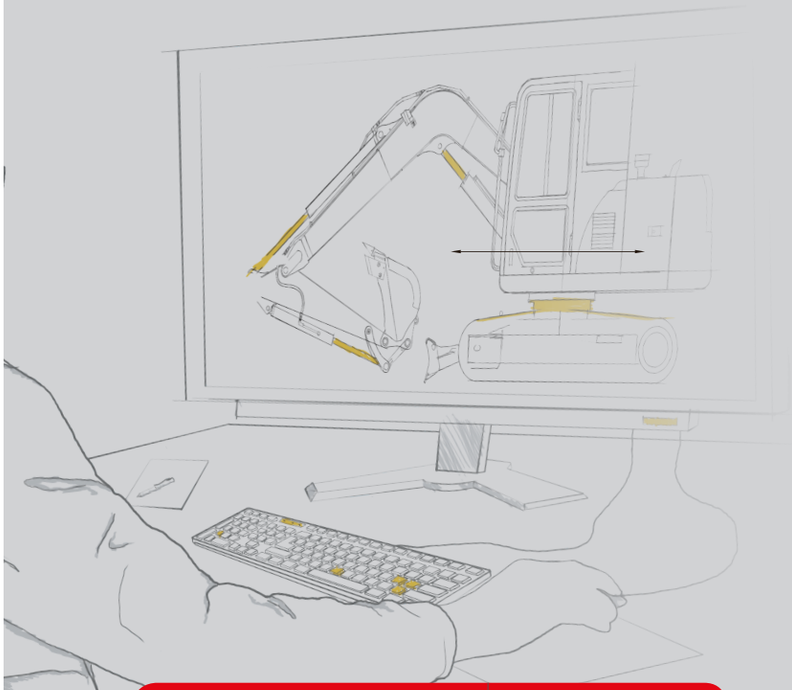
DIMENSIONS



ITEM	mm
A Transport Length	9920
B Transport Width	3080
C Transport Height	3180
D Upperstructure Width	2710
E Cab Height	2990
F Track Shoe Width	700
G Track Gauge	2380
H Minimum Ground Clearance	440
I Tail Swing Radius	2960
J Center distance of tumblers	3640
K Overall length of crawler	4450
Boom Length	5900
Arm Length	2950

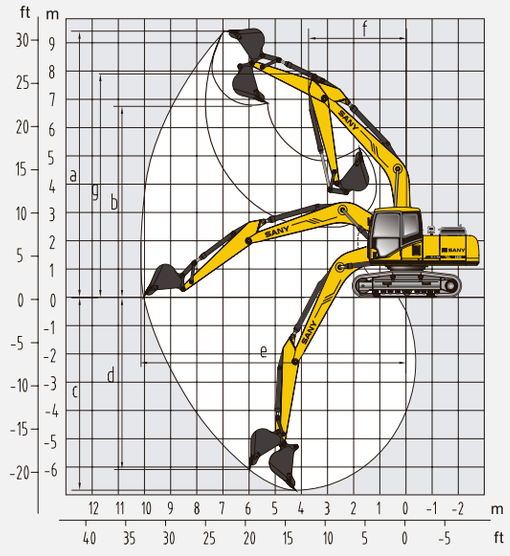


UNDERCARRIAGE	
Track shoe width (mm)	700
Number of track shoes (per side)	49
Carrier roller (per side)	2
Track roller (per side)	9



ITEM	mm
A Max. Digging Height	9630
B Max. Dumping Height	6725
C Max. Digging Depth	6785
D Max. Vertical Digging depth	5845
E Max. Digging Reach	10150
F Min. Swing Radius	3800
G Height at Min. Swing Radius	7940

OPERATING RANGE



Standard Equipment

Operators Enviroment

- ROPS cabin mounted on Silicone Rubber
- Short joystick + Multi-functions equipped
- Mechanical suspension seat
- Multi Language Display
- Air conditioning C/H
- Radio
- 12v/24v outlets
- Cup holder
- Document compartment

Safety

- Battery master switch
- Fire-Extinguisher
- mergency Hammer
- Rear Camera + mirrors
- Travel Alarm and Beacon
- Overload warning for lifting
- Safety valves Boom
- Engine emergency cut off from ground
- User Manual language (EN)

Working Equipment

- Boom :Standard 5900mm
- Arm:Standard 2950mm
- Hydraulic QC line controlled on joystick
- Break&Shear line proportional on Joystick
- Rotation line proportional on Joystick
- Fuel filler pump

Upper strucuture

- Battery Box
- Storage Box
- Anti-Skid plates

Undercarriage

- UC-4636mm length
- Track shoes 700mm
- Carrier-roller per side : 2
- Track roller per side : 9

Lights

- Roof light 2X
- Boom light(2 sides) 2x
- Platform 1x(Battery box)

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