

# PRODUCT SPECIFICATIONS

# SANY

# EXCAVATOR

# SY10U

## STANDARD FEATURES

- Swing boom functionality
- Zero tail swing
- Pilot control joysticks with single auxiliary line
- Powerful Stage V Kubota engine

**8.8 kW / 2200 rpm**

Net Power

**1868 mm**

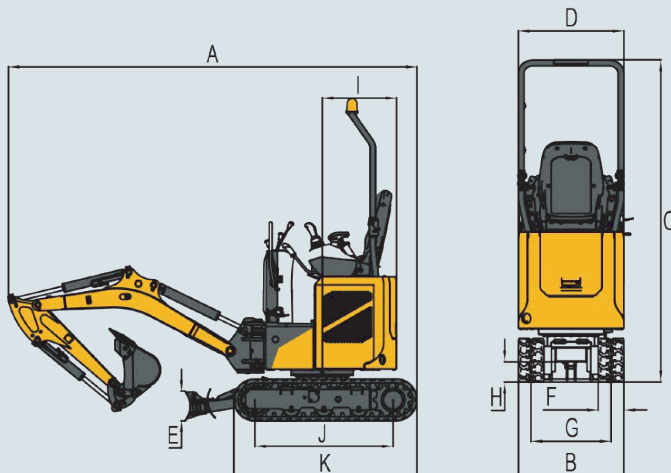
Dig Depth

**1195 kg**

Operating Weight\*

**12.9 kN**

Bucket Breakout Force



## TECHNICAL SPECIFICATIONS

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Operating Weight*	1195 kg
Ground Pressure	28.5 kPa
Engine	Kubota D722
Displacement	0.719 L
Gross Power	8.8 kW
Net Power	8.8 kW
Hydraulics	Load Sensing with Pilot Control
Main Hydraulic Pump	
Operating Flow (maximum)	40 L/min
Operating Pressure (maximum)	20.6 MPa
Auxiliary Flow (maximum)*	40 L/min
Auxiliary Pressure (maximum)	20.6 MPa
Travel Motor	Axial Piston
Travel Pressure (maximum)	20.6 MPa
Travel Speeds (maximum)	3.1 / 3.4 km/hr
Travel Effort (maximum)	8.8 kN
Grade Capability (maximum)	30°
Slew Motor	
Slew Pressure (maximum)	20.6 MPa
Slew Speed (maximum)	10 RPM
Undercarriage (standard)	Belted Rubber Track
Track Shoe Width (standard)	180 mm
Track Rollers (per side)	4
Carrier Rollers (per side)	1

## DIMENSIONS

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Boom Length	1460 mm
Dipper Length	890 mm
A Transport Length	3018 mm
B Transport Width	745/1100mm
C Transport Height	2290mm
D Upper Structure Width	745mm
E Blade Height	220 mm
F Track Width (standard shoe)	180 mm
G Track Gauge	564/919 mm
H Ground Clearance (minimum)	145 mm
I Tail Swing Radius	550 mm
J Track Length on Ground	1041 mm
K Track Length	1354 mm

### SERVICE REFILL CAPACITIES

Fuel Tank Capacity	13.0 L
Hydraulic Tank Capacity	11.0 L
Engine Oil Capacity	3.8 L
Cooling System Capacity	3.8 L

Based on theoretical calculation at max flow with no load. Subject to alterations. In the interest of continual equipment development, SANY UK reserves the right to change these specifications at any time without prior notification.

\* Operating weight: Includes 75kg (165 lb) operator, full fuel tank and excludes any attachments or hitch

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STANDARD AND OPTIONAL EQUIPMENT

s = standard / o = optional

SY10U	ENGINE
s	Kubota D722
s	EU Stage V compliant
s	Dry type dual-element air filter
s	Cylinder-type engine oil filter
s	Cylinder-type fuel oil filter
s	Engine preheating
s	Engine oil cooler
s	Fan aerofoil
s	Pod mounted Engine
s	13 L fuel tank
s	500-hour engine-oil-change interval
s	Fuel filter and water separator
	HYDRAULIC SYSTEM
s	Load sensing hydraulic system
s	Dual proportional auxiliary joysticks with LH/RH isolating levers
s	Single line auxiliaries with double acting circuit
s	Hydraulic oil radiator
s	11 L Hydraulic tank
	UNDERCARRIAGE
s	Expandable and retractable tracks
s	2-speed travel
s	3 lower track rollers each side
s	Dozer blade and cylinder guarding
s	Flip out dozer blade extentions
s	Tie downs on track frame and dozer blade
s	180 mm wide rubber tracks
s	11 L Hydraulic tank
	UPPER STRUCTURE
s	All-round mirrors
s	ROPS canopy

INDUSTRY'S  
STRONGEST  
STANDARD  
WARRANTY

5 - YEARS\*  
5,000 HOURS

\*Terms and Conditions apply.  
Check with your local dealer for further information.

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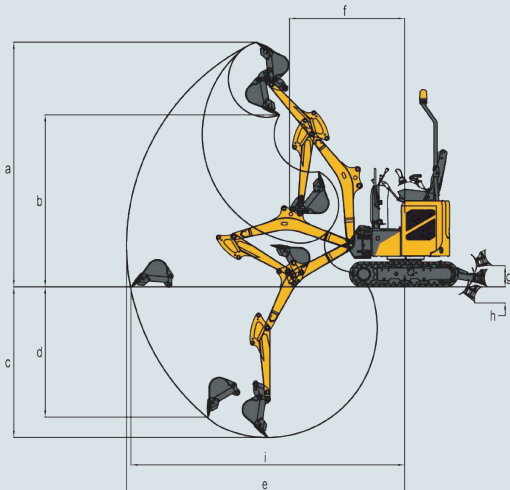
SY10U	UPPERSTRUCTURE (Continued)
s	Remote-mounted engine oil and fuel filters
s	Daily fluid level inspection visible from ground
s	Rear reflectors
	ATTACHMENTS
s	Convenient grease points
s	Dirt seals on all bucket pins
s	Oil-impregnated bushings
s	Reinforced plates
s	Quick release couplers
	OPERATOR'S STATION
s	Hydraulic pilot controls for boom, arm, swing, and travel operations
s	Proportional auxiliary switches on joystick
s	Travel levers
s	Manual suspension leather seat with fore/aft adjustment
s	2" retractable seat belt
s	Emergency stop switch
s	Monitor with engine coolant gauge, high temp warning, low oil pressure indicator, glow plug indicator, battery indicator, engine hour meter, fuel level
s	Operation and maintenance manual storage
s	Heavy duty removeable rubber floor mat
s	Horn (electric)
s	Hour meter (electric)
s	Hydraulic isolation LH/RH lever, all controls
s	Travel alarm with cancel switch
	ELECTRICAL
s	12V electrical system
s	Maintenance free battery
s	Ground level battery disconnect
s	Easy access fuse panel
s	Terminal battery covers
s	40-amp alternator
s	12V power outlet
	LIGHTS
s	Work lights: 1 mounted on boom, green and amber beacon

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WORKING RANGE



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A	Maximum Digging Height	3037 mm
B	Maximum Dumping Height	2096 mm
C	Maximum Digging Depth	1868 mm
D	Maximum Vertical Wall Digging Depth	1614 mm
E	Maximum Reach at Ground Level	3539 mm
F	Minimum Swing Radius	1487 mm
G	Maximum blade height	260 mm
H	Maximum blade depth	212 mm

DIGGING PERFORMANCE

Boom Length	1460 mm
Dipper Length	890 mm
Bucket Breakout Force (ISO)	12.9 kN
Dipper Tearout Force (ISO)	6.9 kN

LIFTING PERFORMANCE

Standard 1460 mm Boom  
Standard 890 mm Dipper  
Standard 180 mm Tracks

Ratings are based on ISO 10567:2007. Lift capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of hydraulic lifting capacity.



BLADE DOWN	LOAD RADIUS	1.5 m		2.0 m		2.5 m		MAX REACH	
	LOAD POINT HEIGHT								
BLADE DOWN	2.5 m							286 kg*	286 kg*
	2.0 m			221 kg*	221 kg*			256 kg*	187 kg
	1.5 m			244 kg*	244 kg*	245 kg*		234 kg*	152 kg
	1.0 m	429 kg*	392 kg	317 kg*	249 kg	260 kg*	176 kg	216 kg*	137 kg
	0 m	545 kg*	346 kg	369 kg*	227 kg	260 kg*		187 kg*	133 kg
	-1.0 m	371 kg*	349 kg	246 kg*	225 kg	222 kg*		162 kg*	162 kg*
BLADE UP	2.5 m							286 kg	286 kg*
	2.0 m			221 kg*	221 kg*			171 kg	187 kg
	1.5 m			238 kg	244 kg*	165 kg		139 kg	152 kg
	1.0 m	359 kg	392 kg	228 kg	249 kg	161 kg	176 kg	124 kg	137 kg
	0 m	313 kg	346 kg	206 kg	227 kg	151 kg		121 kg	133 kg
	-1.0 m	316 kg	349 kg	205 kg	225 kg	145 kg		160 kg	162 kg*

\* Indicates load limited by hydraulic lifting capacity.

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