

PRODUCT SPECIFICATIONS

SANY

EXCAVATOR



SY60U

STANDARD FEATURES

- Swing boom functionality
- Short tail swing
- 1-way and 2-way primary auxiliary circuit
- Quick coupler plumbing
- Powerful Yanmar Engine

42.4 kW

Net Power

3,990 mm

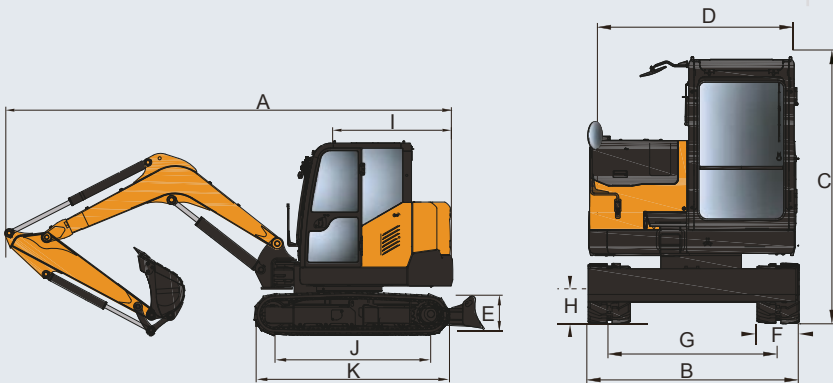
Dig Depth

6,300 kg

Operating Weight

45.0 kN

Bucket Breakout



TECHNICAL SPECIFICATIONS

Operating Weight	6300 kg
Ground Pressure	34.9 kPa
Engine	Yanmar 4TNV98C-WSY
Displacement	3.32 L
Gross Power	42.4 kW
Net Power	41.1 kW
Hydraulics	Load Sensing with Pilot Control
Main Hydraulic Pump	Axial Piston – Variable Displacement
Operating Flow (maximum)	148 L/min
Operating Pressure (maximum)	27 MPa
Auxiliary Flow (maximum)*	90 L/min / 60 L/min
Auxiliary Pressure (maximum)	25 MPa
Travel Motor	Axial Piston with Park Brake
Travel Pressure (maximum)	27 MPa
Travel Speeds (maximum)	2.2 / 3.8 km/hr
Travel Effort (maximum)	30 kN
Grade Capability (maximum)	30°
Swing Motor	Axial Piston with Swing Brake
Swing Pressure (maximum)	19.1 MPa
Swing Speed (maximum)	10 RPM
Undercarriage (standard)	Belted Rubber Track
Track Shoe Width (standard)	400 mm
Track Rollers (per side)	5
Carrier Rollers (per side)	1

DIMENSIONS

DIMENSIONS

Boom Length	3000 mm
Stick Length	1700 mm
A Transport Length	5830 mm
B Transport Width	2000 mm
C Transport Height	2530 mm
D Upper Structure Width	2000 mm
E Blade Height	340 mm
F Track Width (standard shoe)	400 mm
G Track Gauge	1600 mm
H Ground Clearance (minimum)	320 mm
I Tail Swing Radius	1350 mm
J Track Length on Ground	2055 mm
K Track Length	2580 mm

SERVICE REFILL CAPACITIES

Fuel Tank Capacity	85 L
Hydraulic Tank Capacity	105 L
Engine Oil Capacity	8.5 L
Cooling System Capacity	13 L

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

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STANDARD AND OPTIONAL EQUIPMENT

s = standard / o = optional

SY60U	ENGINE
s	Yanmar 4TNV98C
s	EU Stage V compliant
s	Auto-idle
s	Dual-element dry air filter
s	Engine air precleaner
s	Coolant Expansion tank
s	Electronic engine control
s	Fan guard
s	Engine coolant to -37 deg. C
s	Full-flow oil filter
s	High flow cooling fan
s	500-hour engine-oil-change interval
s	No scheduled DPF maintenance for 6000 hours
s	Fuel filter and water separator
	HYDRAULIC SYSTEM
s	Spring-applied, hydraulically released automatic swing brake
s	Load sensing hydraulic system
s	Control pattern change valve
s	Primary auxiliary hydraulic circuit with 1 and 2-way combination piping
s	Auxiliary hydraulic-flow adjustments through monitor
s	Adjustable auxiliary pressure relief
s	Quick coupler ready
	UNDERCARRIAGE
s	Planetary drive with axial piston motors
s	Propel motor shields
s	Spring-applied, hydraulically released automatic propel brake
s	Track guides, front idler and 2 per side
s	2-speed travel
s	5 lower track rollers each side
s	1 upper carrier roller each side
s	Dozer blade with cylinder guarding
s	Tie downs on track frame and dozer blade
s	400mm (16") wide rubber tracks
s	Undercarriage frame opening guard
	UPPERSTRUCTURE
s	Right-hand, left-hand, and counterweight mirrors
s	Lockable cab, hood, and service doors
s	Debris screen in side panel
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	Centralized lubrication system
s	Dirt seals on all bucket pins

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STANDARD AND OPTIONAL EQUIPMENT

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SY60U	ATTACHMENTS
s	Oil-impregnated bushings
s	Reinforced thrust plates
s	Quick release couplers
	OPERATOR'S STATION
s	Hydraulic pilot controls
s	Proportional auxiliary switches on joystick
s	Travel levers with foot pedals
s	AM/FM radio with bluetooth and USB connection port
s	Cell phone tray
s	Weight adjustable suspension cloth seat with fore/aft adjustment and adjustable armrests
s	2" seat mounted lap belt
s	Emergency stop switch
s	Sliding front window
s	Removable lower front window
s	Window breaker
s	ECO mode switch
s	8 tool selection modes
s	Fully adjustable auxiliary flow circuits and pressure from display
s	Multifunction color LCD monitor with: Diagnostic capability / Multiple-language
s	System monitoring features: Auto-idle indicator, 2-speed indicator, work-mode indicator, preheat icon, time and date, battery charge icon, throttle position, engine oil pressure alarm, DPF regeneration inhibit indicator, fuel level gauge, maintenance needed icon, failure code, standard/eco work mode icon, engine coolant temperature, coolant temp alarm, severe failure alarm, work tool mode icon, operating hours
s	High performance heating, ventilation, and air conditioning system
s	Operation and maintenance manual storage
s	Heavy duty removeable rubber floor mat
s	Front windshield wiper with high and low speed
s	Horn, electric
s	Hour meter, electric
s	Hydraulic shutoff lever, all controls
s	Interior light
s	Cup holder
s	Travel alarm with cancel switch
s	Transparent overhead hatch with retractable sun shade
	ELECTRICAL
s	12V electrical system
s	Maintenance free battery
s	Ground level battery disconnect
s	Easy access fuse panel
s	Terminal battery covers
s	80-amp alternator
s	12V power outlet
	LIGHTS
s	Work lights: 2 mounted on top of cab, 1 mounted on boom, magnetic beacon



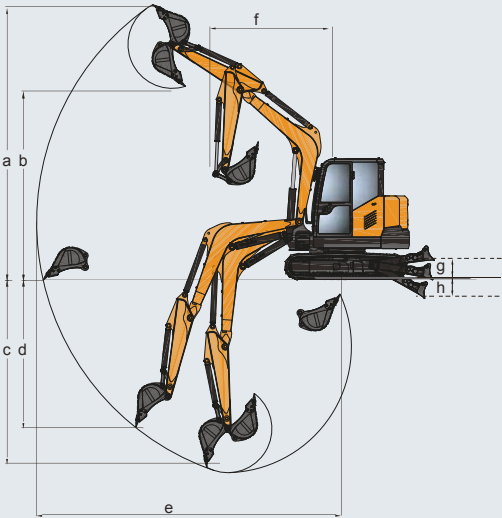
*Terms and Conditions apply.
Check with your local dealer for further information.

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WORKING RANGE



WORKING RANGE

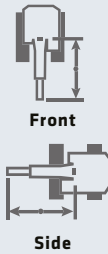
A	Maximum Digging Height	5695 mm
B	Maximum Dumping Height	3970 mm
C	Maximum Digging Depth	3990 mm
D	Maximum Vertical Wall Digging Depth	3130 mm
E	Maximum Reach at Ground Level	6375 mm
F	Minimum Swing Radius	2730 mm
G	Maximum Blade Height	400 mm
H	Maximum Blade Depth	385 mm

DIGGING PERFORMANCE

Boom Length	3000 mm
Dipper Length	1700 mm
Bucket Breakout Force (ISO)	49.1 kN
Dipper Tearout Force (ISO)	34.0 kN

Standard 3000 mm Boom
Standard 1700 mm Dipper
Standard 400 mm Track Tracks
No Bucket

Ratings are based on ISO 10567:200 7. Lift capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of hydraulic lifting capacity.



LIFTING PERFORMANCE

BLADE DOWN

LOAD RADIUS	6.6 ft 2.0 m		9.8 ft 3.0 m		13.1 ft 4.0 m		16.4 ft 5.0 m		MAX REACH	
LOAD POINT HEIGHT										
4.0 m					1150 kg*	1150 kg*			1120 kg*	1030 kg
3.0 m					1250 kg*	1250 kg *	1300 kg*	860 kg	1060 kg *	835 kg
2.0 m			2020 kg*	1690 kg	1175 kg	1175 kg	1390 kg*	840 kg	1080 kg*	750 kg
1.0 m			2890 kg*	1640 kg	1100 kg	1100 kg	1540 kg *	810 kg	1150 kg *	715 kg
0 m			3290 kg*	1570 kg	1070 kg	1070 kg	1650 kg *	790 kg	1320 kg *	735 kg
-1.0 m	2720 kg*	2720 kg*	3260 kg*	1560 kg	1050 kg	1050 kg			1660 kg *	720 kg
-2.0 m	4000 kg*	3030 kg	2880 kg*	1580 kg	1070 kg	1070 kg			1800 kg *	1020 kg

BLADE UP

4.0 m					1150 kg*	1135 kg			1070 kg	1030 kg
3.0 m					1250 kg*	1100 kg	900 kg	860 kg	870 kg	835 kg
2.0 m			1850 kg	1690 kg	1175 kg	1050 kg	880 kg	840 kg	785 kg	750 kg
1.0 m			1800 kg	1640 kg	1110 kg	995 kg	860 kg	810 kg	755 kg	715 kg
0 m			1740 kg	1570 kg	1070 kg	950 kg	840 kg	790 kg	775 kg	735 kg
1.0 m	2720 kg*	2720 kg*	1700 kg	1560 kg	1050 kg	935 kg			850 kg	810 kg
-2.0 m	3560 kg	3030 kg	1720 kg	1580 kg	1070 kg	955 kg			1080 kg	1020 kg

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