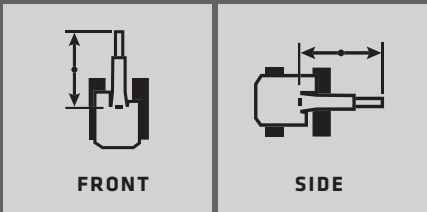
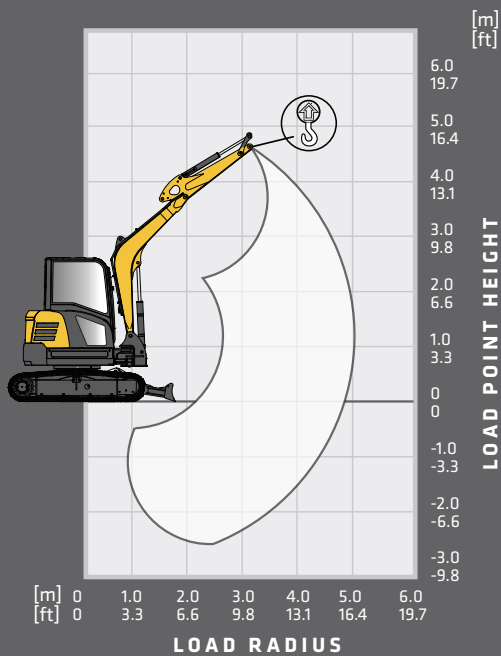


SY50U || LIFTING PERFORMANCE

Standard 2700 mm (8' 10") Boom
Standard 1500 mm (4' 11") Arm
Standard 400 mm (16") Track Shoes
No Bucket



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	2.0 m 6.6 ft		3.0 m 9.8 ft		4.0 m 13.1 ft		5.0 m 16.4 ft		MAX REACH	
LOAD POINT HEIGHT										
4.0 m 13.1 ft									1085 kg* 2,387 lb*	845 kg 1,859 lb
3.0 m 9.8 ft					1050 kg* 2,310 lb*	815 kg 1,793 lb			1050 kg* 2,310 lb*	655 kg 1,441 lb
2.0 m 6.6 ft			1545 kg* 3,399 lb*	1190 kg 2,618 lb	1190 kg* 2,618 lb*	790 kg 1,738 lb			1055 kg* 2,321 lb*	580 kg 1,276 lb
1.0 m 3.3 ft			2020 kg* 4,444 lb*	1110 kg 2,442 lb	1365 kg* 3,003 lb*	760 kg 1,672 lb	1080 kg* 2,376 lb*	560 kg 1,232 lb	1075 kg* 2,365 lb*	555 kg 1,221 lb
0 m 0 ft			2165 kg* 4,763 lb*	1075 kg 2,365 lb	1445 kg* 3,179 lb*	735 kg 1,617 lb			1100 kg* 2,420 lb*	575 kg 1,265 lb
-1.0 m -3.3 ft	2735 kg* 6,017 lb*	2000 kg 4,400 lb	1975 kg* 4,345 lb*	1075 kg 2,365 lb	1325 kg* 2,915 lb*	735 kg 1,617 lb			1100 kg* 2,442 lb*	655 kg 1,441 lb
-2.0 m -6.6 ft	2135 kg* 4,697 lb*	2050 kg 4,510 lb	1370 kg* 3,014 lb*	1100 kg 2,420 lb					1040 kg* 2,288 lb*	905 kg 1,991 lb

BLADE UP										
LOAD RADIUS	2.0 m 6.6 ft		3.0 m 9.8 ft		4.0 m 13.1 ft		5.0 m 16.4 ft		MAX REACH	
LOAD POINT HEIGHT										
4.0 m 13.1 ft									1025 kg 2,255 lb	845 kg 1,859 lb
3.0 m 9.8 ft					985 kg 2,167 lb	815 kg 1,793 lb			790 kg 1,738 lb	655 kg 1,441 lb
2.0 m 6.6 ft			1485 kg 3,267 lb	1190 kg 2,618 lb	960 kg 2,112 lb	790 kg 1,738 lb			700 kg 1,540 lb	580 kg 1,276 lb
1.0 m 3.3 ft			1400 kg 3,080 lb	1110 kg 2,442 lb	925 kg 2,035 lb	760 kg 1,672 lb	680 kg 1,496 lb	560 kg 1,232 lb	675 kg 1,485 lb	555 kg 1,221 lb
0 m 0 ft			1360 kg 2,992 lb	1075 kg 2,365 lb	905 kg 1,991 lb	735 kg 1,617 lb			700 kg 1,540 lb	575 kg 1,265 lb
-1.0 m -3.3 ft	2735 kg* 6,017 lb*	2000 kg 4,400 lb	1355 kg 2,981 lb	1075 kg 2,365 lb	900 kg 1,980 lb	735 kg 1,617 lb			800 kg 1,760 lb	655 kg 1,441 lb
-2.0 m -6.6 ft	2135 kg* 4,697 lb*	2050 kg 4,510 lb	1370 kg* 3,014 lb*	1100 kg 2,420 lb					1040 kg* 2,288 lb*	905 kg 1,991 lb

* Indicates load limited by hydraulic lifting capacity
In the interest of continual equipment development, SANY America, Inc. reserves the right to change these specifications at any time without prior notification.

SY50U

PRODUCT SPECIFICATIONS



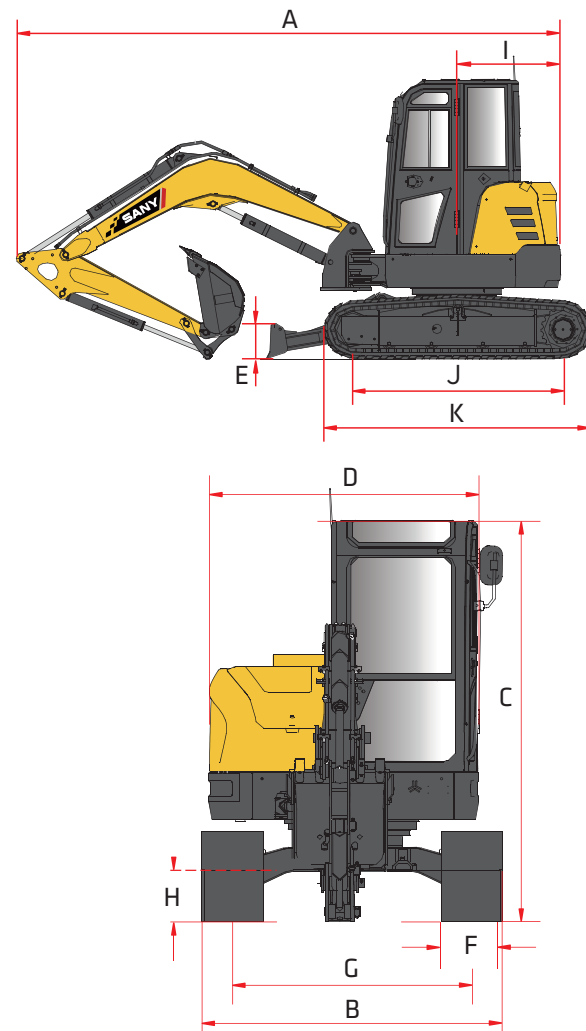
STANDARD FEATURES

- The tier 4 final power plant, advanced SLSS hydraulic system, optimal power control and work mode selection improve speed and power while reducing fuel consumption
- Zero tail swing radius and independent boom swing allow operation in extremely confined spaces
- Easily accessible service points and a detachable radiator screen are among the features that make scheduled maintenance more convenient

- ➔ **Gross Power**
29.1 kW / 39.0 hp
- ➔ **Dig Depth**
3420 mm / 11' 3"
- ➔ **Operating Weight**
5300 kg / 11,684 lb
- ➔ **Bucket Breakout**
32.5 kN / 7,306 lbf

SY50U || PRODUCT SPECIFICATIONS

DIMENSIONS



DIMENSIONS

Boom Length	2700 mm	8' 10"
Stick (Arm) Length	1500 mm	4' 11"
A Transport Length	5390 mm	17' 8"
B Transport Width	1960 mm	6' 5"
C Transport Height	2630 mm	8' 8"
D Upper Structure Width	1760 mm	5' 9"
E Blade Height	330 mm	13"
F Track Width (standard shoe)	400 mm	16"
G Track Gauge	1560 mm	5' 1"
H Ground Clearance (minimum)	325 mm	13"
I Tail Swing Radius	980 mm	3' 3"
J Track Length on Ground	1990 mm	6' 6"
K Track Length	2510 mm	8' 3"

Zero tail swing radius
and independent
boom swing allow
operation in extremely
confined spaces

TECHNICAL SPECIFICATIONS

Operating Weight	5,300 kg	11,684 lb
Ground Pressure	31.6 kPa	4.6 psi
Engine	Yanmar 4TNV88C-PSY2	
Displacement	2.2 L	134.3 in³
Gross Power	29.1 kW	39.0 HP
Hydraulics	Load Sensing with Pilot Control	
Main Hydraulic Pump	Axial Piston – Variable Displacement	
Operating Flow (maximum)	110.0 L/min	29.1 gal/min
Operating Pressure (maximum)	24.5 MPa	3553 psi
Auxiliary Flow (maximum)	80 L/min	21.1 gal/min
Auxiliary Pressure (maximum)	21 MPa	3045.798 psi
Travel Motor	Axial Piston with Park Brake	
Travel Pressure (maximum)	24.5 MPa	3553 psi
Travel Speeds (maximum)	2.7 / 4.0 km/hr	1.7 / 2.5 mph
Travel Effort (maximum)	40.7 kN	9,150 lbf
Grade Capability (maximum)	35°	
Swing Motor	Axial Piston with Swing Brake	
Swing Pressure (maximum)	19.1 MPa	2770 psi
Swing Speed (maximum)	10 RPM	
Undercarriage (standard)	Belted Rubber Track	
Track Shoe width (standard)	400 mm	16"
Track Rollers (per side)	4	
Carrier Rollers (per side)	1	

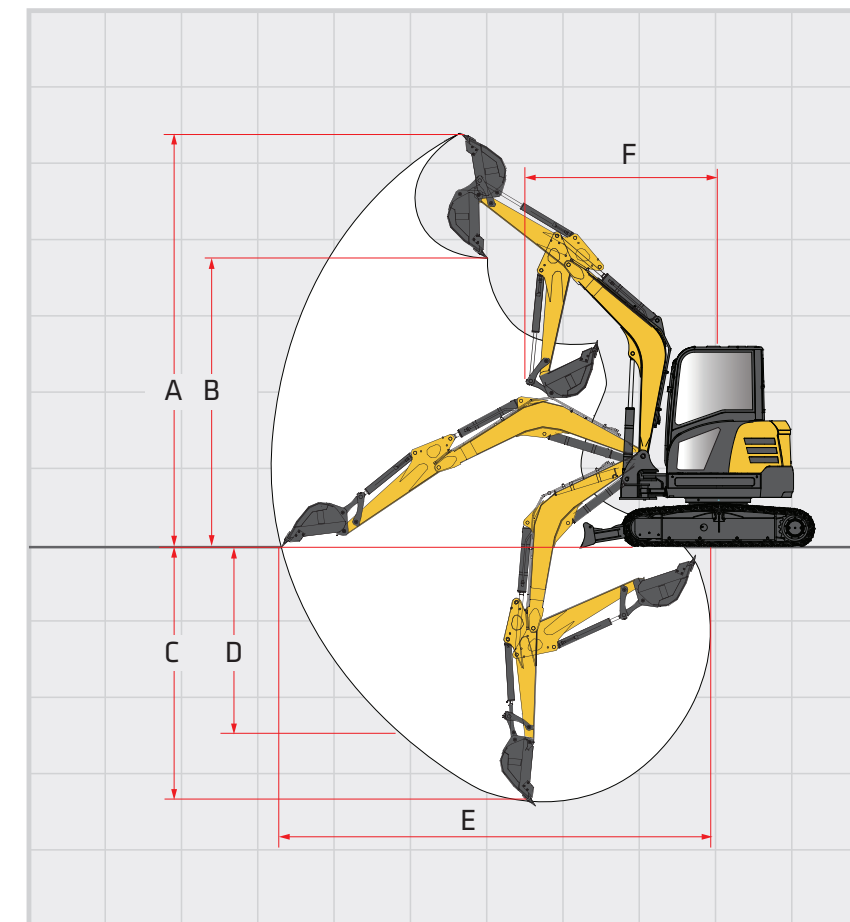
SERVICE REFILL CAPACITIES

Fuel Tank Capacity	78.0 L	20.6 gal
Hydraulic Tank Capacity	52.0 L	13.7 gal
Engine Oil Capacity	7.4 L	2.0 gal
Cooling System Capacity	4.2 L	1.1 gal

In the interest of continual equipment development, SANY America, Inc. reserves the right to change these specifications at any time without prior notification.

DIGGING PERFORMANCE || SY50U

WORKING RANGE



WORKING RANGE

Boom Length	2700 mm	8' 10"
Stick (Arm) Length	1500 mm	4' 11"
A Maximum Digging Height	5450 mm	17' 11"
B Maximum Dumping Height	3805 mm	12' 6"
C Maximum Digging Depth	3420 mm	11' 3"
D Maximum Vertical Wall Digging Depth	2460 mm	8' 1"
E Maximum Reach at Ground Level	5880 mm	19' 3"
F Minimum Swing Radius	2520 mm	8' 3"

DIGGING PERFORMANCE

Boom Length	2700 mm	8' 10"
Stick (Arm) Length	1500 mm	4' 11"
Bucket Breakout Force (ISO)	32.5 kN	7,306 lbf
Stick (Arm) Digging Force (ISO)	22.9 kN	5,148 lbf

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