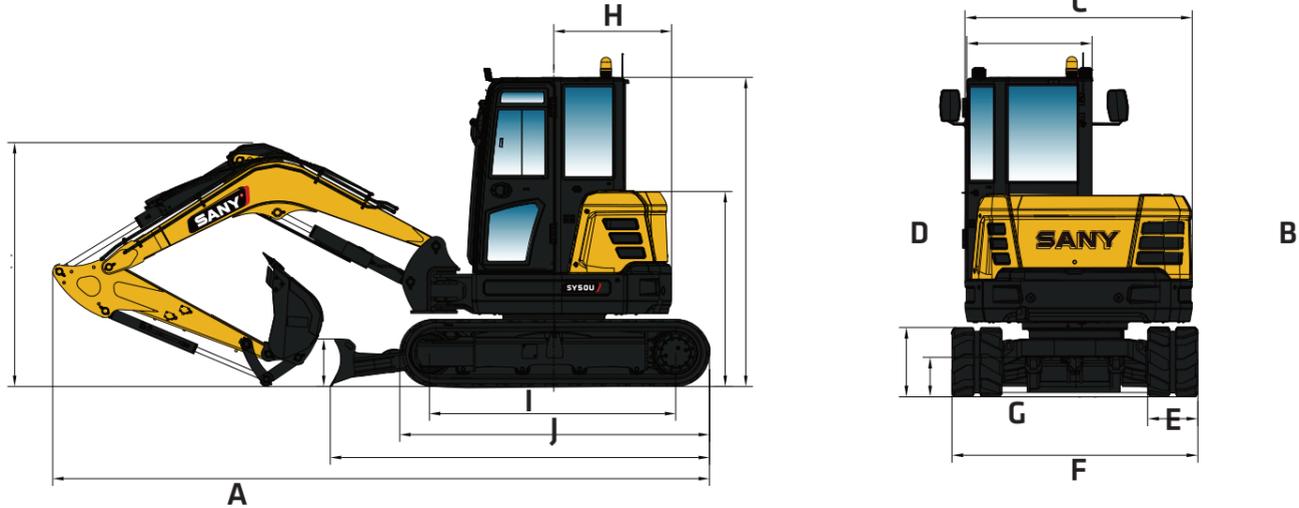




SY50U

MINI HYDRAULIC EXCAVATOR **11,707 LBS OPERATING WEIGHT**
47.6 HP GROSS HORSEPOWER
11' 4" MAX DIGGING DEPTH

TECHNICAL SPECIFICATIONS



DIMENSIONS	STANDARD STICK
- Boom Length	8' 10"
- Stick (Arm) Length	4' 11"
A Transport Length	17' 8"
B Transport Height	8' 5"
C Upper Structure Width	5' 11"
D Cab Height	6' 5"
E Blade Height	1' 3"
F Track Width	6' 5"
- Track Gauge	5' 1"
G Ground Clearance	1'
H Tail Swing Radius	3' 3"
I Track Length on Ground	6' 9"
J Track Length	8' 6"

SERVICE REFILL CAPACITIES	
Fuel Tank Capacity	23.78 gal
Hydraulic Tank Capacity	13.74 gal
Engine Oil Capacity	1.95 gal
Cooling System Capacity	1.11 gal

In the interest of continual equipment development, SANY America Inc. reserves the right to change these specifications at any time without prior notification.
 ©2026 SANY America Inc. HEXPS26SY50U001



*Warranty applies to 2026 Excavator and Wheel Loader models

SANY America Inc. 318 SANY Way
 Peachtree City, Georgia 30269
 470.552.SANY sanyamerica.com



sanyamerica.com ||| SY50U

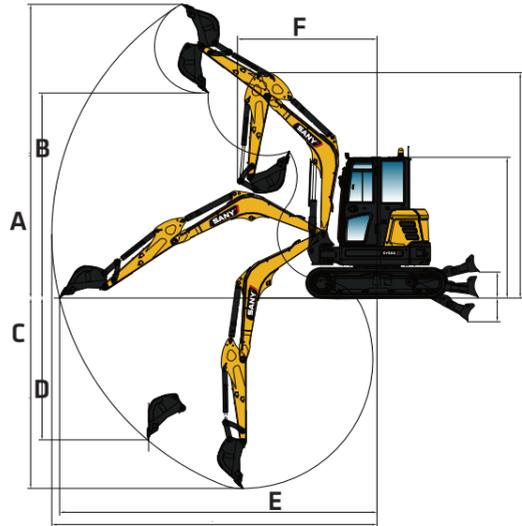
MACHINE DATA	STANDARD STICK
Operating Weight*	11,707 lbs
Bolt-on Counterweight	661 lbs
Ground Pressure	4.4 psi
Engine Model	4TNV86CT
Displacement	128 in ³
Net Power	45.2 HP @2,400 rpm
Gross Power	47.6 HP @2,400 rpm
Hydraulics	Load Sensing with Pilot Control
Main Hydraulic Pump	Axial Piston - Variable Displacement
Operating Flow (Max)	38 gpm
Operating Pressure (Max)	3,989 psi
Auxiliary Flow	21.1 gpm
Auxiliary Pressure	3,626 psi
Travel Motor	Axial Piston with Park Brake
Travel Pressure (Max)	3,989 psi
Travel Speeds (Max)	2.5 / 1.6 mph
Travel Effort (Max)	12,994 lbf
Gradability	30°
Swing Motor	Axial Piston with Swing Brake
Swing Pressure (Max)	2,770 psi
Swing Speed (Max)	10 rpm
Undercarriage	Belted Rubber Track
Track Shoe Width	16"
Track Rollers	4 Per Side
Carrier Rollers	1 Per Side

WORKING SPECIFICATIONS

WORKING RANGE	STANDARD STICK
Boom Length	8' 10"
Stick (Arm) Length	4' 11"
A Maximum Digging Height	17' 6"
B Maximum Dumping Height	12' 3"
C Maximum Digging Depth	11' 4"
D Maximum Vertical Wall Digging Depth	8' 6"
E Maximum Reach at Ground Level	18' 10"
F Minimum Swing Radius	8' 4"

DIGGING PERFORMANCE	STANDARD STICK
Boom Length	8' 10"
Stick (Arm) Length	4' 11"
Bucket Breakout Force (ISO)	8,273 lbf
Stick (Arm) Digging Force (ISO)	5,620 lbf

*Operating weight is for the SY50U with no attachments, and standard stick.
 SANY America Inc. reserves the right to change these specifications at any time without prior notification. ©2026 SANY America Inc. HEXPS26SY50U001



sanyamerica.com ||| SY50U

MINI HYDRAULIC EXCAVATOR SY50U

STANDARD FEATURES

ENGINE

- Yanmar 4TNV88C
- Tier 4F / EU Stage V Ready
- Auto-idle
- Dual-element dry air filter
- Engine air precleaner
- Coolant expansion tank
- Electronic engine control
- Fan guard
- Engine coolant to -37 deg. C (-34 deg. F)
- Fuel filter with water separator
- Full-flow oil filter
- High flow cooling fan
- 500-hour engine-oil-change interval
- No scheduled DPF maintenance for 6000 hours
- Fuel filter and water separator

HYDRAULIC SYSTEM

- Spring-applied, hydraulically released automatic swing brake
- Load sensing hydraulic system
- Control pattern change valve
- Primary auxiliary hydraulics circuit with 1 and 2-way combination piping
- Secondary auxiliary hydraulic circuit
- Auxiliary hydraulic-flow adjustments through monitor
- Adjustable auxiliary pressure relief
- Quick coupler ready

UNDERCARRIAGE

- Planetary drive with axial piston motors
- Propel motor shields
- Spring-applied, hydraulically released automatic propel brake
- Track guides, front idler and 2 per side
- 2-speed travel selection through display and on dozer lever
- 4 lower track rollers each side
- 1 Upper carrier roller each side
- Dozer blade with cylinder guarding
- Tie downs on track frame and dozer blade
- 400mm (16") wide rubber track
- 4-way angle blade

- Undercarriage frame opening guard

UPPERSTRUCTURE

- Left hand mirror
- Lockable cab, hood, and service doors
- Debris screen in side panel
- Remote-mounted engine oil and fuel filters
- Daily fluid level inspection visible from ground
- Rear reflectors

ATTACHMENTS

- Dirt seals on all bucket pins
- Convenient grease points
- Thumb bracket
- Oil-impregnated bushings
- Reinforced thrust plates
- Quick coupler plumbing to end of the stick

OPERATOR'S STATION

- Hydraulic pilot controls for boom, stick, swing, and travel operations
- Proportional auxiliary switches on joystick
- Travel levers with foot pedals
- AM/FM radio with bluetooth and USB connection port
- Cell phone tray
- Cloth seat with fore/aft adjustment
- 2" retractable seat belt
- Emergency stop switch
- Window breaker
- ECO mode switch
- 8 tool selection modes
- Fully adjustable auxiliary flow circuits and pressure from display
- Multifunction LCD monitor with: Diagnostic capability / Multiple-language
- System 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
- High performance heating, ventilation, and air conditioning system
- Operation and maintenance manual storage
- Heavy duty rubber floor mat
- Front windshield wiper with high and low speed
- Horn, electric
- Hour meter, electric
- Hydraulic shutoff lever, all controls
- Interior light
- Cup holder
- Travel alarm with cancel switch
- Transparent overhead hatch

ELECTRICAL

- 12V electrical system
- Maintenance free battery
- Ground level battery disconnect
- Easy access fuse panel
- Terminal battery covers
- 80-amp alternator
- 12V power outlet

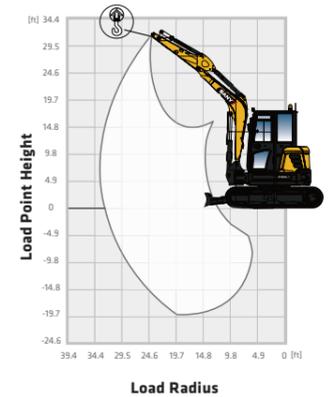
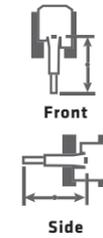
LIGHTS

- Work lights: 3 mounted on top of cab, 1 mounted on boom, magnetic beacon

LIFTING PERFORMANCE

- Standard 8' 10" Boom
- Standard 4' 11" Stick
- Standard 15.7" 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 Up

B (HEIGHT)	6.6 FT		9.8 FT		13.1 FT		16.4 FT		MAX	
LOAD POINT HEIGHT										
13.1 ft									2,260 lbs	1,863 lbs
9.8 ft					2,172 lbs	1,797 lbs			1,742 lbs	1,444 lbs
6.6 ft			3,274 lbs	2,623 lbs	2,116 lbs	1,742 lbs			1,543 lbs	1,279 lbs
3.3 ft			3,086 lbs	2,447 lbs	2,039 lbs	1,675 lbs	1,499 lbs	1,069 lbs	1,488 lbs	1,058 lbs
0.0 ft			2,998 lbs	2,370 lbs	1,995 lbs	1,620 lbs			1,543 lbs	1,268 lbs
-3.3 ft	*6,030 lbs	4,409 lbs	2,987 lbs	2,370 lbs	1,984 lbs	1,620 lbs			1,764 lbs	1,444 lbs
-6.6 ft	*4,707 lbs	4,519 lbs	*3,020 lbs	2,425 lbs					*2,293 lbs	1,995 lbs

Blade Down

B (HEIGHT)	6.6 FT		9.8 FT		13.1 FT		16.4 FT		MAX	
LOAD POINT HEIGHT										
13.1 ft									*2,392 lbs	1,863 lbs
9.8 ft					*2,315 lbs	1,797 lbs			*2,315 lbs	1,444 lbs
6.6 ft			*3,406 lbs	2,623 lbs	*2,623 lbs	1,742 lbs			*2,326 lbs	1,279 lbs
3.3 ft			*4,453 lbs	2,447 lbs	*3,009 lbs	1,675 lbs	*2,381 lbs	1,069 lbs	*2,370 lbs	1,058 lbs
0.0 ft			*4,773 lbs	2,370 lbs	*3,186 lbs	1,620 lbs			*2,425 lbs	1,268 lbs
-3.3 ft	*6,030 lbs	4,409 lbs	*4,354 lbs	2,370 lbs	*2,921 lbs	1,620 lbs			*2,425 lbs	1,444 lbs
-6.6 ft	*4,707 lbs	4,519 lbs	*3,020 lbs	2,425 lbs					*2,293 lbs	1,995 lbs