

SY80U

PRODUCT SPECIFICATIONS

SANY



STANDARD FEATURES

- Boom Swing Functionality Allows for Offset Digging in Confined Areas
- Load-Sensing Hydraulic System Provides Increased Efficiency and Control
- Powerful Yanmar T4F Engine
- Reduced Tail Swing

Gross Power
73 HP

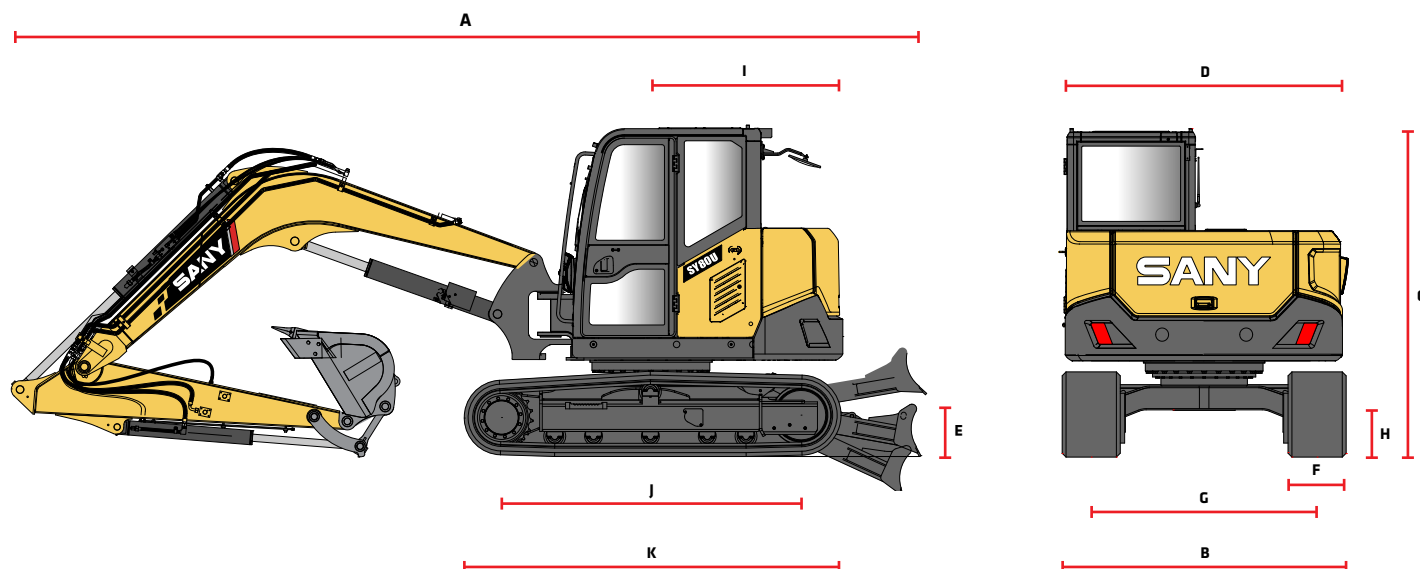
Dig Depth
14' 10.5"

Operating Weight
19,401 lb

Bucket Breakout
16,343 lbf

PRODUCT

SPECIFICATIONS



Compact Design with Powerful Performance

TECHNICAL SPECIFICATIONS

Operating Weight	8800 kg	19,401 lb
Ground Pressure	37.9 kPa	5.5 psi
Engine	Yanmar 4TNV98CT	
Displacement	3.3 L	202.5 in ³
Gross Power	54.4 kW	73 hp
Hydraulics	Load Sensing with Pilot Controls	
Main Hydraulic Pump	Axial Piston - Variable Displacement	
Operating Pressure (maximum)	26.3 MPa	3814 psi
Primary Auxiliary Flow (maximum)	102.2 l/min	27 gal/min
Travel Motor	Axial Piston with Park Brake	
Travel Pressure (maximum)	26.3 MPa	3814 psi
Travel Speeds (maximum)	2.6/4.5 kph	1.6/2.8 mph
Travel Effort (maximum)	70 kN	15,736 lbf
Grade Capability (maximum)	35°	
Swing Motor	Axial Piston with Gear Reduction	
Swing Speed (maximum)	10.2 rpm	
Undercarriage (standard)	Belted Rubber Track	
Track Width (standard)	450 mm	18"
Track Rollers (per side)	5	
Carrier Rollers (per side)	1	

DIMENSIONS

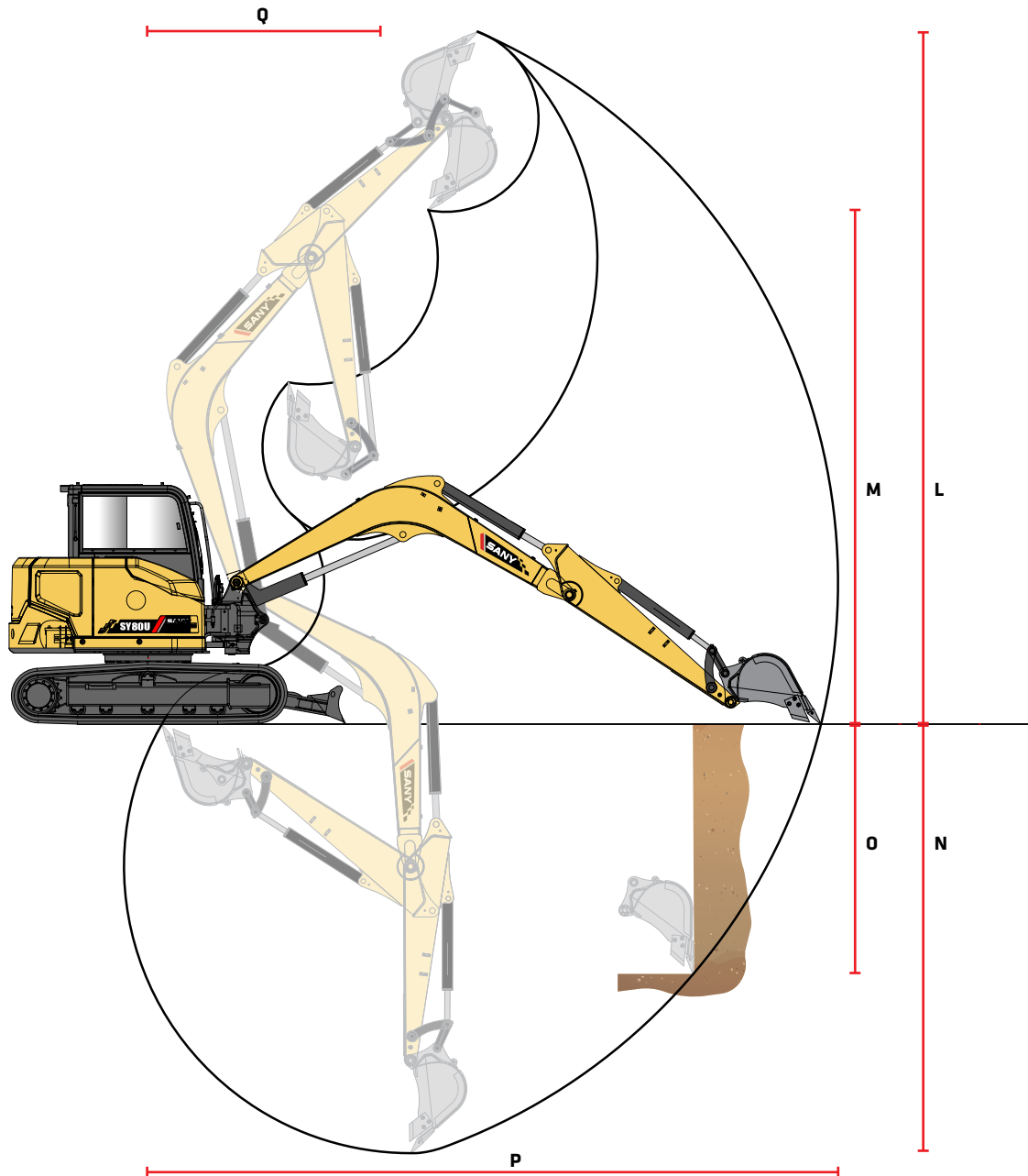
Boom Length	3499 mm	11' 6"
Stick (Arm) Length	2051 mm	6' 9"
A Transport Length	7010 mm	23'
B Transport Width	2200 mm	7' 3"
C Transport Height	2550 mm	8' 5"
D Upper Structure Width	2200 mm	7' 3"
E Blade Height	410 mm	16"
F Track Width	450 mm	18"
G Track Gauge	1750 mm	5' 9"
H Ground Clearance	365 mm	14"
I Tail-Swing Radius	1480 mm	4' 10"
J Track Length on Ground	2315 mm	7' 7"
K Track Length	2915 mm	9' 7"

SERVICE REFILL CAPACITIES

Fuel Tank Capacity	99.9 L	26.4 gal
Hydraulic Tank Capacity	119.9 L	31.7 gal
Engine Oil Capacity	10.2 L	2.7 gal
Cooling System Capacity	11.7 L	3.1 gal

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



WORKING RANGE

Boom Length	3499 mm	11' 6"
Arm Length	2051 mm	6' 9"
L Maximum Digging Height	7315	24'
M Maximum Dumping Height	5436	17' 10"
N Maximum Digging Depth	4534	14' 10.5"
O Maximum Vertical Wall Digging Depth	2490	8' 2"
P Maximum Reach at Ground Level	7290	23' 11"
Q Minimum Swing Radius	2413	7' 11"

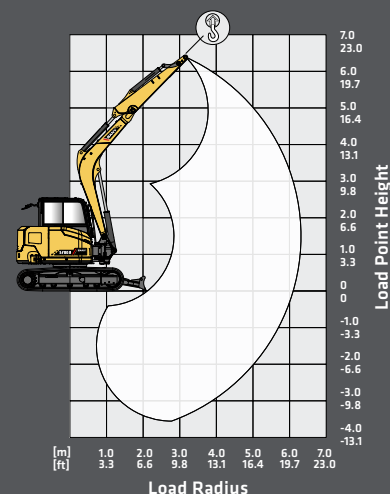
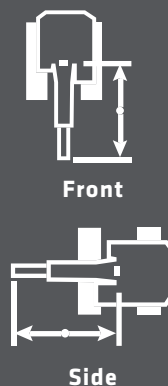
DIGGING PERFORMANCE

Boom Length	3499 mm	11' 6"
Arm Length	2051 mm	6' 9"
Bucket Breakout Force (ISO)	72.7 kN	16,343 lbf
Arm Breakout Force (ISO)	40.5 kN	9,105 lbf

SY80U LIFTING PERFORMANCE

Standard 3499 mm (11' 6") Boom
Standard 2051 mm (6' 9") Arm
Standard 450 mm (18") 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										
5.0 m 16.4 ft					1960 kg* 4,321 lb*	1960 kg* 4,321 lb*	1800 kg* 3,968 lb*	1338 kg 2,950 lb	1710 kg* 3,770 lb*	1325 kg 2,921 lb
4.0 m 13.1 ft					2080 kg* 4,586 lb*	2080 kg* 4,586 lb*	2085 kg* 4,597 lb*	1345 kg 2,965 lb	1225 kg* 2,701 lb*	1055 kg 2,326 lb
3.0 m 9.8 ft			3100 kg* 6,834 lb*	3100 kg* 6,834 lb*	2540 kg* 5,600 lb*	1875 kg 4,134 lb	2275 kg* 5,016 lb*	1315 kg 2,899 lb	1585 kg* 3,494 lb*	930 kg 2,050 lb
2.0 m 6.6 ft			4745 kg* 10,461 lb*	2675 kg 5,897 lb	3180 kg* 7,011 lb*	1760 kg 3,880 lb	2570 kg* 5,666 lb*	1260 kg 2,778 lb	1630 kg* 3,594 lb*	865 kg 1,907 lb
1.0 m 3.3 ft			4325 kg* 9,535 lb*	2450 kg 5,401 lb	3745 kg* 8,256 lb*	1650 kg 3,638 lb	2845 kg* 6,272 lb*	1205 kg 2,657 lb	1750 kg* 3,858 lb*	855 kg 1,885 lb
0.0 m 0.0 ft			4850 kg* 10,692 lb*	2390 kg 5,269 lb	4020 kg* 8,863 lb*	1590 kg 3,505 lb	2995 kg* 6,603 lb*	1170 kg 2,579 lb	1965 kg* 4,332 lb*	885 kg 1,951 lb
-1.0 m -3.3 ft	3845 kg* 8,477 lb*	3845 kg* 8,477 lb*	5670 kg* 12,500 lb*	2360 kg 5,203 lb	3950 kg* 8,708 lb*	1550 kg 3,417 lb	2935 kg* 6,471 lb*	1140 kg 2,513 lb	2370 kg* 5,225 lb*	995 kg 2,194 lb
-2.0 m -6.6 ft	6120 kg* 13,492 lb*	4830 kg 10,648 lb	4915 kg* 10,836 lb*	2375 kg 5,236 lb	3490 kg* 7,694 lb*	1550 kg 3,417 lb	2445 kg* 5,390 lb*	1150 kg 2,535 lb	2400 kg* 5,291 lb*	1185 kg 2,612 lb
-3.0 m -9.8 ft	5055 kg* 11,144 lb*	5055 kg* 11,144 lb*	3385 kg* 7,463 lb*	2450 kg 5,401 lb					2290 kg* 5,049 lb*	1735 kg 3,825 lb

BLADE UP

5.0 m 15.4 ft					1960 kg* 4,321 lb*	1960 kg* 4,321 lb*	1800 kg* 3,968 lb*	1338 kg 2,950 lb	1710 kg 3,770 lb	1325 kg 2,921 lb
4.0 m 13.1 ft					2080 kg* 4,586 lb*	2080 kg* 4,586 lb*	2085 kg* 4,597 lb*	1345 kg 2,965 lb	1225 kg* 2,701 lb*	1055 kg 2,326 lb
3.0 m 9.8 ft			3100 kg* 6,834 lb*	3100 kg* 6,834 lb*	2540 kg* 5,600 lb*	1875 kg 4,134 lb	1770 kg 3,902 lb	1315 kg 2,899 lb	1285 kg 2,833 lb	930 kg 2,050 lb
2.0 m 6.6 ft			3850 kg 8,488 lb	2675 kg 5,897 lb	2425 kg 5,346 lb	1760 kg 3,880 lb	1715 kg 3,781 lb	1260 kg 2,778 lb	1185 kg 2,612 lb	865 kg 1,907 lb
1.0 m 3.3 ft			3595 kg 7,926 lb	2450 kg 5,401 lb	2305 kg 5,082 lb	1650 kg 3,638 lb	1655 kg 3,649 lb	1205 kg 2,657 lb	1170 kg 2,579 lb	855 kg 1,885 lb
0.0 m 0.0 ft			3525 kg 7,771 lb	2390 kg 5,269 lb	2240 kg 4,938 lb	1590 kg 3,505 lb	1615 kg 3,560 lb	1170 kg 2,579 lb	1215 kg 2,679 lb	885 kg 1,951 lb
-1.0 m -3.3 ft	3845 kg* 8,477 lb*	3845 kg* 8,477 lb*	3490 kg 7,694 lb	2360 kg 5,203 lb	2195 kg 4,839 lb	1550 kg 3,417 lb	1585 kg 3,494 lb	1140 kg 2,513 lb	1360 kg 2,998 lb	995 kg 2,194 lb
-2.0 m -6.6 ft	6120 kg* 13,492 lb*	4830 kg 10,648 lb	3510 kg 7,738 lb	2375 kg 5,236 lb	2195 kg 4,839 lb	1550 kg 3,417 lb	1600 kg 3,527 lb	1150 kg 2,535 lb	1630 kg 3,594 lb	1185 kg 2,612 lb
-3.0 m -9.8 ft	5055 kg* 11,144 lb*	5055 kg* 11,144 lb*	3385 kg* 7,463 lb*	2450 kg 5,401 lb					2290 kg* 5,049 lb*	1735 kg 3,825 lb

*Indicates load limited by hydraulic lifting capacity

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