

• Yanmar 4TNV98CT-VSY Engine



• 8800kg Operating Mass

The SANY SY80U is tailored to the requirements of tough everyday use on the construction site. It demonstrates its impressive versatility when digging and loading. Its agility is evident, thanks to its swivelling boom and zero tail swing. Aside from the compact design, it impresses with first class performance, low fuel consumption and outstanding user comfort. The driver's seat with high backrest offers the operator a comfortable workplace, thereby reducing symptoms of fatigue. The positioning of the controls is ergonomically designed - clear and easy to reach, they help to ensure that the operator can achieve maximum productivity while working

SPECIFICATIONS

SANY SY80U

ENGINE

Modell	YANMAR 4TNV98CT-VSY
Typ	Water-cooled, 4 cylinder, with commonrail and DPF
Exhaust emissions	Stage V
Rated power	53.7 kW / 2 100 rpm
Max. torque	290 Nm / 1 350 rpm
Displacement	3 318 ccm
Batteries	1 × 12 V / 120 Ah

HYDRAULIC SYSTEM

Mainpump	variable-piston-pump; Load sensing control
Max. oilflow	193.2 l/min
Travelmotor	Variable displacement axial piston motor
Swingmotor	Axial piston motor
Max. oilflow (AUX 1)	100 l/min
Max. oilflow (AUX 2)	70 l/min

SERVICE REFILL CAPACITIES

Fuel tank	100 l
Engine coolant	12 l
Engine oil	10,2 l
Drive (per side)	1,2 l
Hydraulic system	160 l
Hydraulic oil tank	120 l

PERFORMANCE

Swingspeed	10 rpm
Max. travel speed	High 4.5 km/h, slow 2.5 km/h
Max. travel force	70 kN
Gradeability	35°
Bucket capacity	0.28 m ³
Groundpressure	0.38 kg/cm ²
Bucket digging force ISO	72.7 kN
Arm digging force ISO	40.5 kN

RELIEF VALVE SETTINGS

Implement circuit	280 bar
Swing circuit	215 bar
Travel circuit	280 bar
Pilot pressure	35 bar

UNDER AND UPPER STRUCTURE

Boom length	3 520 mm
Arm length	2 050 mm
Bottomrollers	4
Toprollers	1
Rotation device	Planetary gear reducer driven by an axial piston motor, automatic hydraulic released slewing brake

OPERATING MASS

SY80U	8 800 kg
-------	----------

LIFTING CAPACITIES - DOZER BLADE DOWN

Load point height	Radius						Digging reach		
	3.0 m		4.0 m		5.0 m		Max.		
5.0 m kg									
4.0 m kg	1960	1960	1800	1338	1710	1325	5025		
3.0 m kg	2080	2080	2085	1345	1225	1055	5703		
2.0 m kg	3100	3100	2540	1875	2275	1315	1585	930	6106
1.0 m kg	4745	2675	3180	1760	2570	1260	1630	865	6297
Ground line kg	4325	2450	3745	1650	2845	1205	1750	855	6297
-1.0 m kg	4850	2390	4020	1590	2995	1170	1965	885	6109
-2.0 m kg	5670	2360	3950	1550	2935	1140	2370	995	5707
-3.0 m kg	4915	2375	3490	1550	2445	1150	2400	1185	5031
	3385	2450					2290	1735	3899

LIFTING CAPACITIES - DOZER BLADE UP

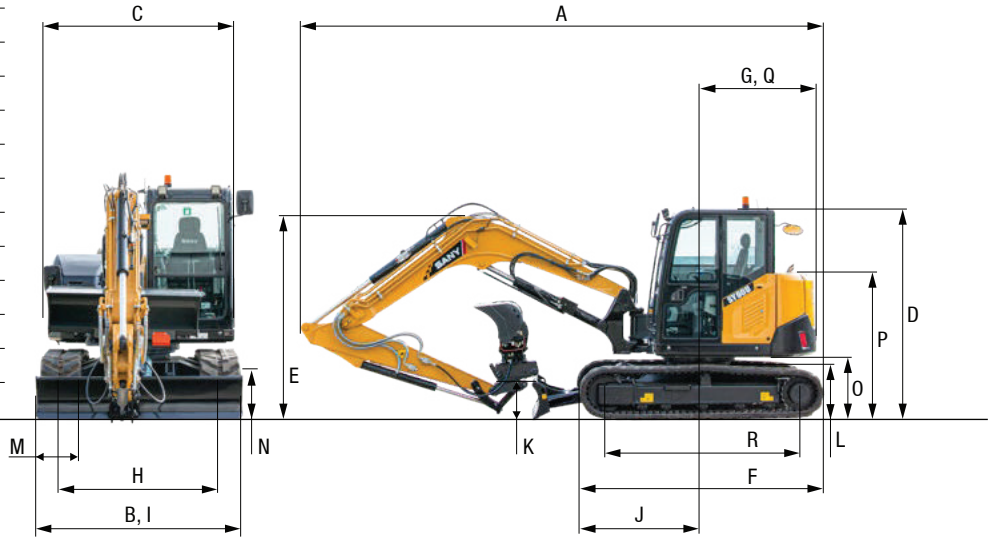
Load point height	Radius						Digging reach		
	3.0 m		4.0 m		5.0 m		Max.		
5.0 m kg									
4.0 m kg	1960	1960	1800	1338	1710	1325	5025		
3.0 m kg	2080	2080	2085	1345	1225	1055	5703		
2.0 m kg	3100	3100	2540	1875	1770	1315	1285	930	6106
1.0 m kg	3850	2675	2425	1760	1715	1260	1185	865	6297
Ground line kg	3595	2450	2305	1650	1655	1205	1170	855	6297
-1.0 m kg	3525	2390	2240	1590	1615	1170	1215	885	6109
-2.0 m kg	3490	2360	2195	1550	1585	1140	1360	995	5707
-3.0 m kg	3510	2375	1550	1550	1600	1150	1630	1185	5031
	3385	2450					2290	1735	3899

SPECIFICATIONS

SANY SY80U

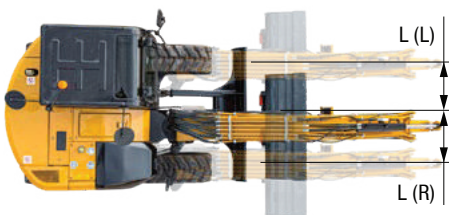
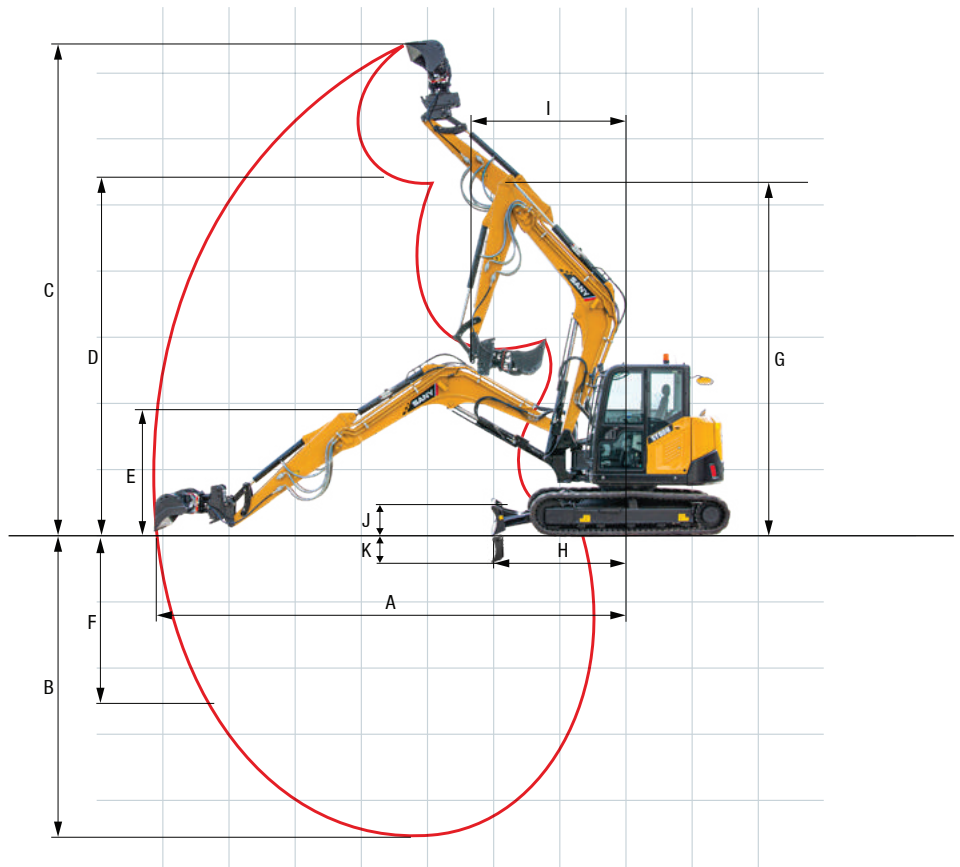
DIMENSIONS (TRANSPORT)

A	Transport length	6500 mm
B	Transport width	2220 mm
C	Upperstructure carriage	2150 mm
D	Height over cabin/ROPS	2550 mm
E	Height of Boom – transport	2220 mm
F	Overall length of crawler	2915 mm
G	Tail length	1480 mm
H	Track gauge	1750 mm
I	Undercarriage width (blade)	2200 mm
J	Horizontal distance to blade	2080 mm
K	Blade height	2080 mm
L	Track height	660 mm
M	Track pads width	450 mm
N	Min. ground clearance	365 mm
O	Counterweight clearance	745 mm
P	Engine cover height	1880 mm
Q	Tail swing radius	1480 mm
R	Center distance of tumblers	2315 mm



WORKING AREA

A	Max. digging reach	7290 mm
B	Max. digging depth	4535 mm
C	Max. digging height	7315 mm
D	Max. dumping height	5430 mm
E	Min. dumping height	1915 mm
F	Max. vertical digging depth	2490 mm
G	Overall height over arm by min. swing radius	5490 mm
H	Arm head distance with work equipment retracted as far as possible	2080 mm
I	Swing radius by max. boomswing (L)	4510 mm
	Swing radius by max. boomswing (R)	4670 mm
	Min. swing radius	2435 mm
J	Max. clearance when blade up	480 mm
K	Max. depth of blade down	325 mm
L	Offset boom (L)	636 mm
	Offset boom (R)	740 mm
	Max. boom-swing angle (L)	65°
	Max. boom-swing angle (R)	51°



COUNT ON US

1800 440 550 | prestonhire.com.au



Perth

Adelaide

Sydney

Brisbane

Newcastle

Melbourne



SPECIALISED EQUIPMENT HIRE SOLUTIONS

Branch Locations

NSW/ACT

Unit 4, 4 Dupas Street,
Smithfield, NSW 2164
nswsales@prestonhire.com.au

NSW

56 Sandringham Place,
Thornton, NSW, 2322
nswsales@prestonhire.com.au

QLD

83 Parramatta Road,
Underwood, QLD 4119
qldsales@prestonhire.com.au

VIC/TAS

38 Sunline Dr,
Truganina, VIC 3029
vicsales@prestonhire.com.au

WA/NT

Unit 2,8 Hunt Street,
Malaga, WA 6090
wasales@prestonhire.com.au

SA

102 Cormack Road,
Wingfield, SA 5013
sasales@prestonhire.com.au

**Preston Hire available across Oceania*



COUNT ON US

1800 440 550 | prestonhire.com.au