

ENGINE

Model	YANMAR 4TNV98CT-VSY
Type	Water-cooled, 4 cylinder, with commonrail and DPF
Exhaust emissions	Stage V
Rated power	53.7 kW / 2100 rpm
Max. torque	290 Nm / 1350 rpm
Displacement	3318 ccm
Batteries	1 x 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	3520 mm
Arm length	2050 mm
Bottomrollers	4
Toprollers	1
Rotation device	Planetary gear reducer driven by an axial piston motor, automatic hydraulic released slewing brake

OPERATING WEIGHT

SY80U* 8800 kg
* Includes 75 kg (165 lb) operator and full fuel tank and excludes bucket.

LIFTING CAPACITIES - DOZER BLADE DOWN

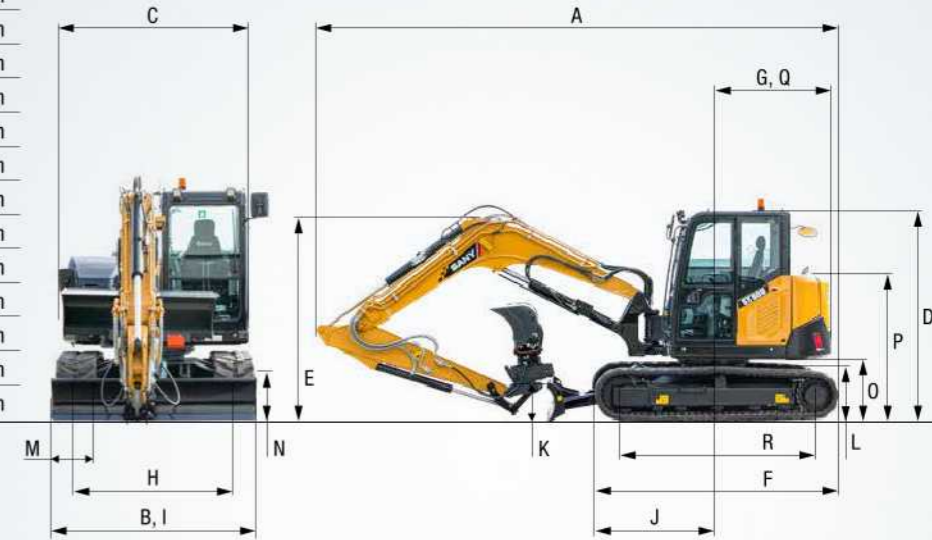
Load point height	Radius				Digging reach		
	3.0 m	4.0 m	5.0 m	Max.			
5.0 m kg	1960	1960	1800	1338	1710	1325	5025
4.0 m kg	2080	2080	2085	1345	1225	1055	5703
3.0 m kg	3100	3100	2540	1875	2275	1315	1585 930 6106
2.0 m kg	4745	2675	3180	1760	2570	1260	1630 865 6297
1.0 m kg	4325	2450	3745	1650	2845	1205	1750 855 6297
Ground line kg	4850	2390	4020	1590	2995	1170	1965 885 6109
-1.0 m kg	5670	2360	3950	1550	2935	1140	2370 995 5707
-2.0 m kg	4915	2375	3490	1550	2445	1150	2400 1185 5031
-3.0 m kg	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	1960	1960	1800	1338	1710	1325	5025
4.0 m kg	2080	2080	2085	1345	1225	1055	5703
3.0 m kg	3100	3100	2540	1875	1770	1315	1285 930 6106
2.0 m kg	3850	2675	2425	1760	1715	1260	1185 865 6297
1.0 m kg	3595	2450	2305	1650	1655	1205	1170 855 6297
Ground line kg	3525	2390	2240	1590	1615	1170	1215 885 6109
-1.0 m kg	3490	2360	2195	1550	1585	1140	1360 995 5707
-2.0 m kg	3510	2375	1550	1550	1600	1150	1630 1185 5031
-3.0 m kg	3385	2450					2290 1735 3899

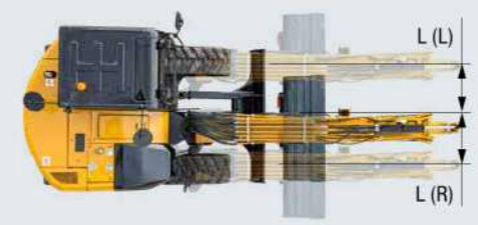
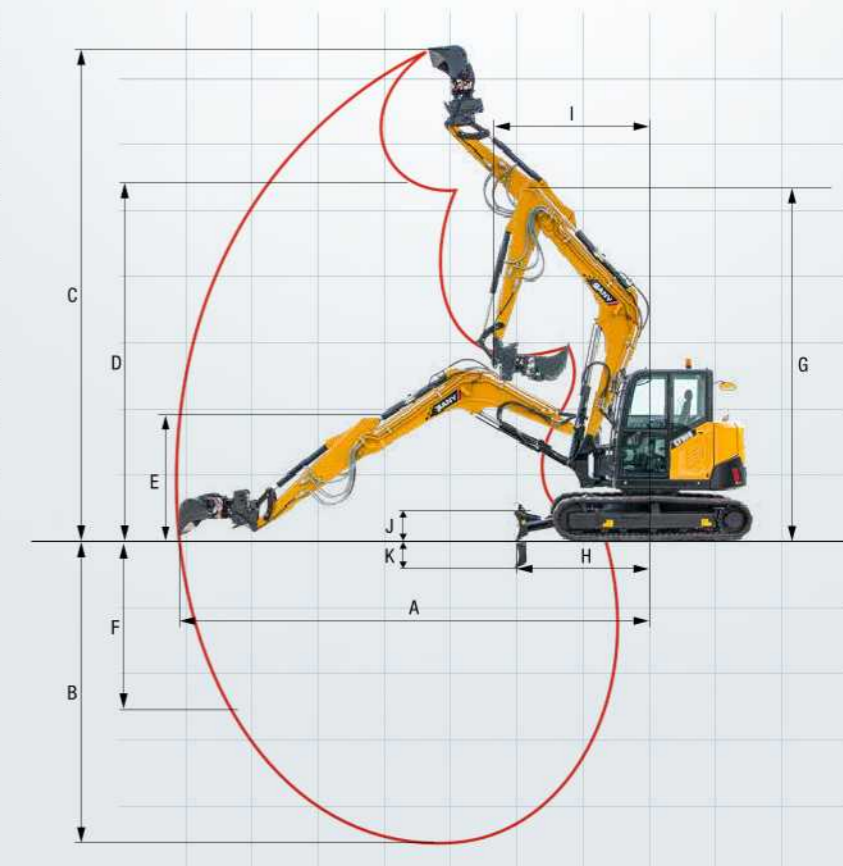
DIMENSIONS (TRANSPORT)

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	450 mm
L Track height	660 mm
M Track pads width	450 mm
N Min. ground clearance	365 mm
O Counterweigh clearance	745 mm
P Engine cover height	1880 mm
Q Tail swing radius	1480 mm
R Center distance of tumbler	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°





Enormous versatility

Many components that allow flexible use are already included as standard ex works. The attachment of the hydraulic quick coupler is already prepared for.

OPERATORS COMFORT / CAB

Suspension seat	●
Heater	●
Manual air condition system	●
Radio and speaker	●
Armrests (adjustable)	●
12v outlets	●
USB port (music)	●
Wiper	●
AUX 1 on Joystick	●
AUX 2 on Joystick	●
8 stored hydraulic settings for attachments	●

SAFETY

Battery master switch	●
Travel Alarm	●
Warning beacon	●

WORKING EQUIPMENT

Boom and arm load holding valves with overload indicator	●
Double acting circuit for hydraulic quick coupler with piping	●
Hammer & Shear line proportional on Joystick with piping	●
Rotation line proportional on Joystick with piping	●
Flow adjustment for attachments	●
Dozer blade	●
Cylinder guards – boom	●

Standard equipment ● Special option ●

The standard and special options differ depending on the country in which the compact excavator is delivered. If you have any questions, please contact your dealer directly.

WORKING LIGHTS

Lights – front (LED)	●
Lights – boom (LED)	●

UNDERCARRIAGE

Rubber tracks	●
Steel tracks	●
Holes/loops for fixing	●

ENGINE

Auto idle	●
Diesel filter	●
DPF	●
DOC	●
Airfilter	●

HYDRAULIC SYSTEM

Swing brake	●
2 speed travel	●
Piping for additional hydraulic function AUX 1	●
Piping for additional hydraulic function AUX 2	●
Mainfilter	●
Hydr. Pre-pressure operating joysticks	●
Filter for pre-pressure circle	●

A SERVICE YOU CAN RELY ON

Just as we do with our excavators, we also demand high quality and reliability of our service products. This underlines our equipment's performance in terms of their durability and their excellent price-performance ratio. After all, maintenance is crucial

for efficiency, cost-effectiveness and safety. Your SANY dealer is happy to help you with a comprehensive range of services to ensure that your machine continues operating efficiently in the long term.

SANY – flexible, fast and always there for you

Rapid assistance, tailored advice and a reliable supply of original parts – that is what we mean by a premium service.



The added benefits SANY offers you:

- ✦ Experienced dealer network throughout England, Wales, Northern Ireland and Ireland
- ✦ Direct sales and support route in Scotland
- ✦ Dedicated SANY team based in the UK to support you and your product
- ✦ UK office and parts warehouse to ensure SANY excavators are fully supported

* To locate your nearest dealer, visit <https://www.sanyuk.com>.

Parts supply – quick and reliable

With the purchase of a SANY compact excavator you have made an investment in the future. Fast availability of spare parts is your guarantee of minimal downtimes and failure times.



Detailed information in black and white

Handbooks and documents are available for all SANY compact excavators, and these can help you with operation, maintenance, servicing and repairs. These include operating and maintenance instructions and technical specifications.



HIGHLIGHTS **SY80U**

A TRUE WORKHORSE

The SY80U short-tail-swing excavator is tailored to the requirements of tough everyday use on the construction site. It demonstrates its impressive versatility when digging, loading and crushing – and its agility is evident, thanks to its swivelling boom and the short tail concept. Aside from its compact design, it impresses with its first-class performance, its low fuel consumption and its outstanding user comfort.



FOR THE GREATEST LOADS

All components are designed to withstand **high stress**. The **meticulous machining**, **high-quality materials** and welded seams perfectly executed by welding robots are guarantees for this.

IN THE SMALLEST OF SPACES

The **robust swivel bracket** is the most important aspect for all tasks. It makes the **compact manoeuvrability** of the short-tail-swing excavator possible, together with the **compact total dimensions** and the **minimal slewing radius**.

MAINTENANCE AND SERVICE

Full concentration and **maximum safety** are the first priorities on the construction site. For this purpose, the SY80U driver's cab offers the best conditions for the machine operator – from the **comfortable driver's seat** to the **large, easily legible monitor** and the **precise joystick** with fine response characteristics.

SAFETY FIRST

We have taken the full range of measures to minimise the risk to drivers in the cab and people on the construction site in the vicinity of the machine. This includes **optimal visibility on all sides**, as well as **LED working lights**, **safety valves** and **cylinder covers**.

RELIABLE POWER

With the **strong YANMAR engine**, the smallest SANY compact excavator is optimally equipped even **for large tasks**.

LESS IS MORE

The **automatic speed setting** reduces the fuel consumption, engine wear and exhaust gas emissions (Euro 5 standard). This is positively reflected in its **low fuel consumption** and exemplary **low life cycle costs**.

TECHNICAL HIGHLIGHTS

Engine	YANMAR 4TNV98CT-VSY
Rated power	53.7 kW / 2 100 rpm
Max. torque	290 Nm / 1 350 rpm
Bucket digging force ISO	72.7 kN
Swingspeed	10 rpm
Mainpump	Variable-piston-pump
Max. oilflow	193.2 l/min

Not all products are available in all markets. As part of our continuous improvement process, we reserve the right to modify specifications and designs without giving prior notice. The figures may contain additional options.

SANY

Quality Changes the World

SANY HEAVY MACHINERY (UK) LTD
info@sanyuk.com
www.sanyuk.com