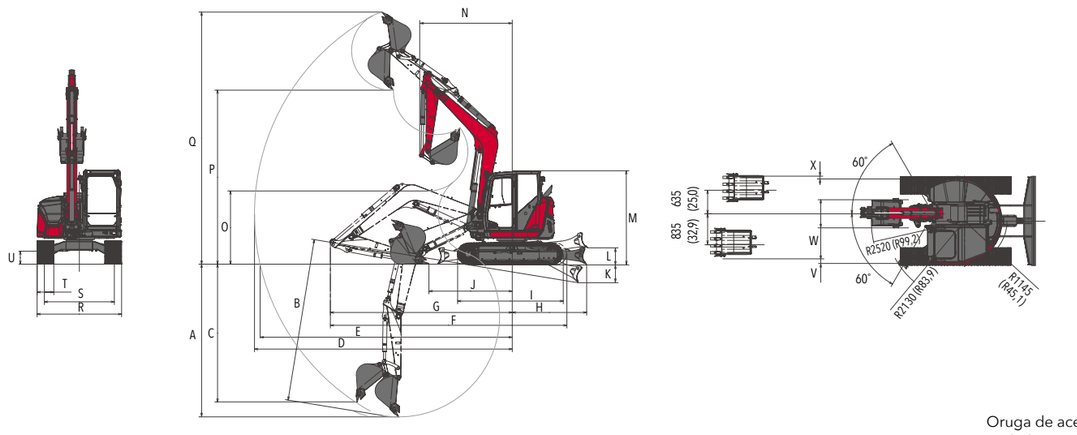
● Dimensiones



Oruga de acero
Unidad : mm(in.)

		A	B	C	D	E	F	G	H	I	J	K	L	M	N <en la oscilación de la pluma>	O	P	Q	R	S	T	U	V	W	X
ViO80-7	con acoplador rápido	4370 (172,0)	4640 (182,7)	3810 (150,0)	7290 (287,0)	7140 (281,1)	6450 (253,9)	4970 (195,7)	2000 (78,7)	2850 (112,2)	2410 (94,9)	500 (19,7)	440 (17,3)	2540 (100,0)	2770 (109,1) <2360 (92,9)>	1780 (70,1)	4630 (182,3)	7260 (285,8)	2280 (89,8)	1890 (74,4)	450 (17,7)	350 (13,8)	125 (4,9)	760 (29,9)	75 (2,9)
	Sin acoplador rápido	4120 (162,2)	4390 (172,8)	3720 (146,5)	6960 (274,0)	6810 (268,1)	6390 (251,6)	4910 (193,3)			2250 (88,6)				2520 (99,2) <2130 (83,9)>	1980 (78,0)	4700 (185,0)	6810 (268,1)							

● Especificaciones

Modelo				ViO80-7	
Tipo				Cabina	
				Con acoplador rápido	Sin acoplador rápido
Peso	Masa operativa	Oruga de caucho	kg (lbs.)	8490 (18717)	8350 (18409)
		Oruga de acero	kg (lbs.)	8510 (18761)	8370 (18453)
Motor	Tipo			Motor diésel vertical de inyección directa enfriado con agua de cuatro cilindros	
	Modelo			4TNV98CT-VBV2	
	Salida nominal, bruta		kW (HP) / rpm	50,0 (67,1) / 1800	
Cuchara	Capacidad de la cuchara, estándar		cu.m (cu.ft)	0,28 (9,89)	
	Ancho de la cuchara, estándar		mm (in.)	760 (29,9)	
Rendimiento	Fuerza de excavación máxima	Cuchara	kN (lbs.)	48,1 (10803)	61,3 (13781)
		Brazo	kN (lbs.)	36,0 (8093)	39,6 (8295)
	Profundidad de excavación máxima <debajo de la cuchilla>		mm (in.)	4370 (172) <4640 (183)>	4120 (162) <4390 (173)>
	Profundidad máxima de excavación de la pared vertical		mm (in.)	3810 (150)	3720 (146)
	Altura de corte máxima		mm (in.)	7260 (286)	6810 (268)
	Altura de vertido máxima		mm (in.)	4630 (182)	4700 (185)
	Radio máximo de excavación del suelo		mm (in.)	7140 (281)	6810 (268)
	Radio de oscilación mínimo delantero <al hacer oscilar la pluma>		mm (in.)	2770 (109) <2360 (93)>	2520 (99) <2130 (84)>
	Ángulo de oscilación de la pluma: izquierdo / derecho		grados	60 / 60	
Velocidad	Velocidad de traslado: alta / baja	Oruga de caucho	km/h (mph)	4,8 (3,0)/ 2,5 (1,6)	
		Oruga de acero	km/h (mph)	4,5 (2,8)/ 2,3 (1,4)	
	Velocidad de oscilación		rpm	9,0	
Presión promedio en el suelo	Con oruga estándar	Oruga de caucho	kPa (PSI)	36,5 (5,3)	35,9 (5,2)
		Oruga de acero	kPa (PSI)	36,8 (5,3)	36,2 (5,3)
Capacidad del depósito	Depósito de combustible		L (gal)	115 (30,4)	
	Depósito hidráulico		L (gal)	60 (15,8)	
Sistema hidráulico	Desplazamiento de la bomba hidráulica		L/min (gpm)	118,1(31,2)×2 <Bomba de desplazamiento variable> 18,0 (4,8)×1 <Bomba de engranajes>	
	Presión fija de alivio del sistema		MPa (PSI)	27,5 (3989)×2, 3,4 (493)×1	
	Salida AUX máxima		L/min (gpm)	100 (26,4) <AUX1>, 70 (18,5) <AUX2>, 60 (15,9) <AUX3>	

All data are subject to change without notice. Note that the standard equipment may vary. Consult your YANMAR dealer for confirmation.

YANMAR COMPACT EQUIPMENT

yanmar.com

Printed in Japan
031D0-J02000 2504 2408 ⓘ

YANMAR

TURE ZERO TAIL SWING EXCAVATOR

ViO80-7

[Gross] 50.0kW < 67.1HP>

BUILDING WITH YOU

Maximum Performance with Smaller Dimensions

Offers the performance of a large excavator while enjoying the benefits of mini excavator

ViO80-7

Features of ViO80-7

Standard Boom Swing and Blade

Boom swing enables parallel digging to a wall.
Blade is useful for grading and stability.

Page 7

Double Lock Quick Coupler

No tools required to change the attachments.
(Optional)

Page 13

Improved AUX Usability

Attachments that require flow rate can also be moved smoothly.

Page 10

7-inch Color Display

Showing operating status and maintenance information.

Page 11

ViPPS2i YANMAR ORIGINAL

Ensures smooth and precise simultaneous movement of digging equipment.

Page 10

SMARTASSIST Remote

Advanced fleet management system.
(Optional)

Page 13

ROPS*1 and OPG*2 TOP Guard (Level I) Cabin

The protective structure that meets ISO standards minimizes the damage in case of an accident.

Page 12

Right-side & Rearview Camera
Surround View Camera (Optional)

Ensures safer operation on the job sites.

Page 11, 13

YANMAR Engine YANMAR ORIGINAL

Powerful, reliable and efficient.

Page 9

True Zero Tail Swing*3

Ensures safer operation on the tight job sites.

Page 6

More Powerful on Slope

Travel speed on slope increased by 26%.

Page 10

*1 Roll-Over Protective Structure (ROPS): A structure to protect the operator wearing a seat belt, in case the machine rolls over.
*2 Operator Protective Guards (OPG): A structure to protect the operator from falling objects.
*3 In case of rubber track specification.

Standard Boom Swing

YANMAR ORIGINAL

One of the major advantages of mini excavator over heavy excavator is a boom swing. It provides the necessary flexibility for parallel digging to obstacles.
The combination of Boom Swing and Zero Tail Swing enables ViO80-7 to get the job done in the narrow spaces. No other 8-ton excavator can match the performance of ViO80-7.

Operating Weight

8370 kg*1

*1 Cabin and steel track type

Machine width **2290**mm

As powerful as a full-sized excavator, as convenient as a mini

True Zero Tail Swing*2

True Zero Tail Swing YANMAR pioneered the concept of a true zero tail swing mini excavator. The upper frame doesn't extend beyond the track width, giving operator the ability to tackle jobs more safely in tighter spaces.

*2 In case of rubber track specification. In case of steel track, the rear end extends 5mm beyond the width of its tracks.

6960mm

Wide working range

The boom reaches to the back of the truck bed.

Reliable YANMAR engine designed to deliver powerful output and fuel efficiency

YANMAR Engine

Equipped with the latest technologically advanced engine.
4TNV98CT achieves superior exhaust emissions utilizing common rail direct-injection, exhaust gas recirculation, precise ECU engine control and diesel particulate filter.

Model **4TNV98CT-VBV2** Output (Gross) **50.0kW / 1800min^{-1}**

Common Rail Engine with DPF*1

High precision fully electronically controlled common rail and fuel injection system for fuel efficiency. YANMAR's automatic DPF regeneration technology provides seamless operation, no downtime for cleaning or servicing filters.

Auto Deceleration

Automatically lowers the engine speed to idle when the machine stops for more than 4 seconds. Reverts to the original speed, once the operation lever is moved.

Eco Mode

Lower fuel consumption by reducing the engine speed to 90% from maximum speed.

The Exhaust Gas Recirculation (EGR)

It partially cools the exhaust gas, and by mixing with suction air and circulating it within the cylinder, lower the burning temperature inside the cylinder and decrease emission (NOx).

*1 Diesel Particulate Filter (DPF) is designed to capture diesel particulates to prevent their release to the atmosphere.

Powerful, swift, and at your command

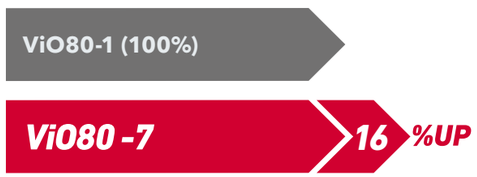
ViPPS2i

ViO Progressive Pump System 2pump independent

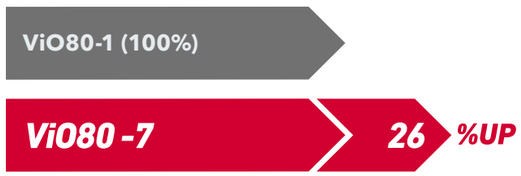
YANMAR ORIGINAL

2 independent pumps work separately according to the load. It ensures smooth and precise simultaneous movement of excavator and attachments.

Productivity per hour



Travel Speed under Load

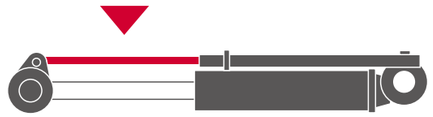


1
AUX Oil Flow Control

The option of setting and saving the oil flow for up to 5 attachments on the display allows the operator to easily adapt the machine to the respective application and requirements of each attachment.

2
Boom Cylinder Guard

To prevent cylinder rod from damage.



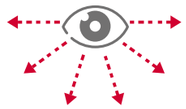
Comfortable operator space

1
7-inch Color Display

Easy-to-read display showing operating status and maintenance information.

2
Auto Heater & A/C

Powerful air conditioning keeps you comfortable and focused on your work.



3
Excellent Visibility

The glass area of the cab has been increased by 12%, providing a clear view of the foreground and surroundings.

4
Suspension and Reclining Seat

A suspension and adjustable seat allow the operator to find their perfect working position while reducing shocks and vibrations.

5
USB Port

It can also charge smartphones and other devices.

6
Dual Camera

Two cameras increase safety at your site by showing the right side and rear of the machine.

Easily maintainable and enhanced safety features

1
Control Valve, Radiator, Water Separator

Tool-free access to bonnet on right side for easy maintenance and inspection of control valve, radiator, and water separator.

2
Hydraulic Oil Tank, Fuel Tank, Grease Pump Holder

Lockable right upper hand side bonnet provides easy access and security.

3
ROPS and OPG TOP Guard (Level I) Cabin

The protective structure that meets ISO standards, minimizes the damage in case of accident.

4
Battery Cutoff Switch

Turn off the switch during long-term storage to prevent the battery from being drained.

5
Water Separator Alarm

The water separator alarm notifies the timing for water drainage, preventing water from entering the engine.

6
Emergency Engine Stop Switch

In case of emergency, the engine can be shut down easily with emergency switch.

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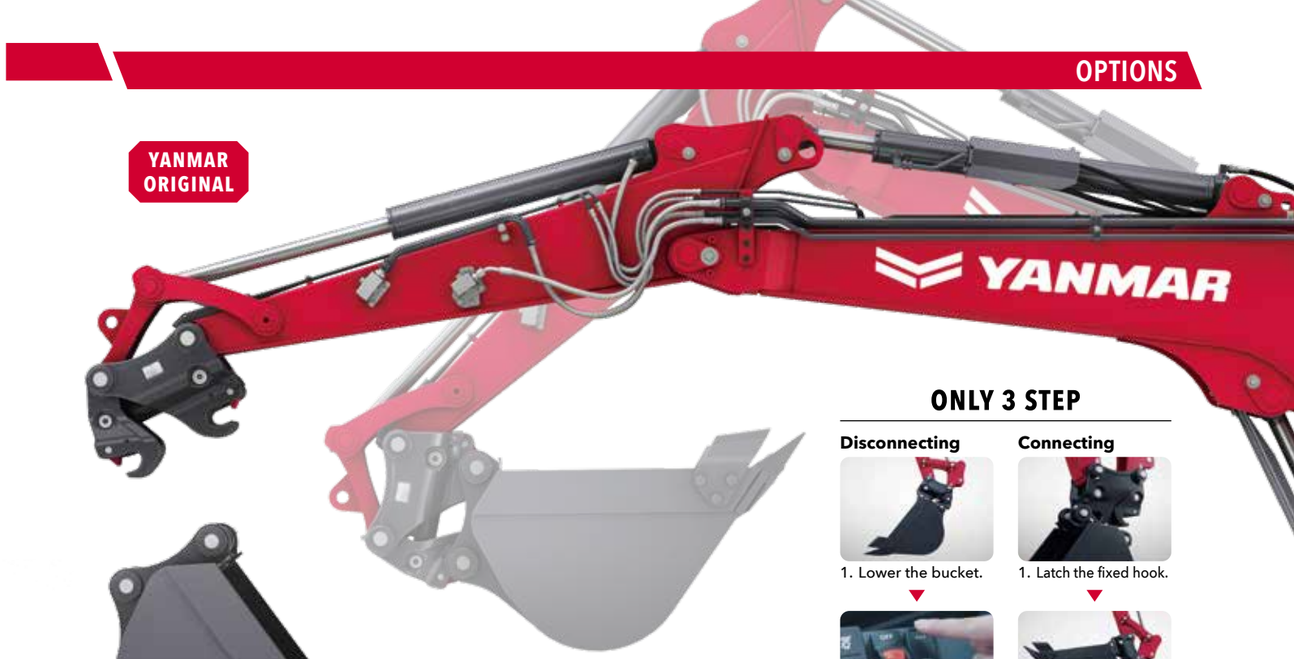


■ Double Lock Quick Coupler (ISO13031 Complied)

Quick coupler makes it easier and quicker than ever to change buckets and other attachments. It saves time, so operator can focus job in hand.

ONLY 3 STEP

Disconnecting

1. Lower the bucket.

2. Press the "Unlock" switch.

3. Raise the arm.

Connecting

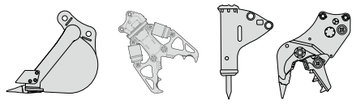
1. Latch the fixed hook.

2. Curl the bucket.

3. Press the "Lock" switch.

Watch the video.

Connect a wide variety of attachments.



■ **Surround View Camera**

■ **Additional Counter Weight**
*+400kg +105cm

■ AUX1/2/3

Powerful auxiliary hydraulic 1, 2, and 3 lines (AUX2 and 3 are optional) are available with adjustable proportional control.

■ Long Arm

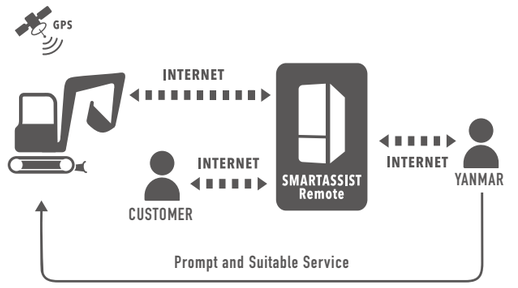
+350mm

SMARTASSIST Remote

Watch the video

Our service to avoid machine downtime

SMARTASSIST Remote is a telematic system that provides sophisticated management for construction equipment equipped with a GPS transmission terminal.This system monitors construction equipment remotely and ascertains maintenance intervals and troubles in a timely manner via the Internet, which allows YANMAR to constantly provide the customers with suitable services and support.

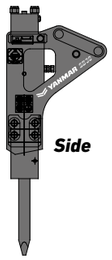


Attachments

YANMAR Hydraulic Breaker

A wide range of hydraulic breakers are available for demolition applications.
Each model delivers reliability, productivity and durability.
Refer to breaker's catalog for more information.

Product Lineup



Side

Pin Mounted

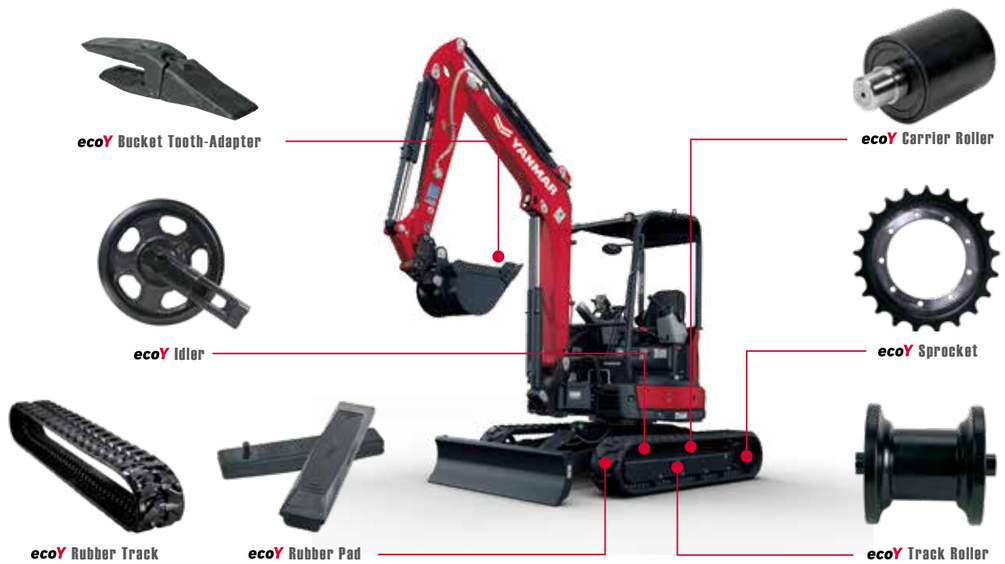
Cap Mounted

Box Housing
(Silenced)

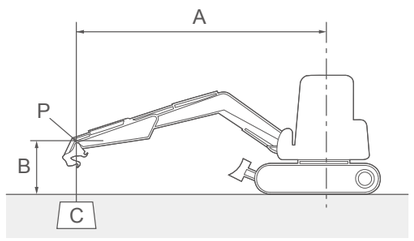
YANMAR's recommended parts

ecoY
GUARANTEED QUALITY & DURABILITY

Watch the video



ViO80-7 Lifting Capacity



With: Cabin type, rubber crawler
Without: Quick coupler and bucket

A: Reach from swing center line [m (in.)]
B: Load point height [m (in.)]
C: Lifting load [kg (lbs.)]
P: Load point
: Rating over front
: Rating over side or 180 degrees

Loads shown in table include weight of standard bucket [195 kg (430 lbs.)] and quick coupler [130 kg (287 lbs.)].

Blade on ground — **Unit: kg (lbs.)**

A [m (in.)]	Max.		5.0 (196.9)		4.0 (157.1)		3.0 (118.1)	
B [m (in.)]								
5.0 (196.9)	1590 (3506)	*1961 (4324)	–	–	*1890 (4167)	*1910 (4212)	–	–
4.0 (157.5)	1180 (2602)	*1880 (4145)	1270 (2800)	*1860 (4101)	*1880 (4145)	*1910 (4212)	–	–
3.0 (118.1)	1020 (2249)	*1870 (4123)	1230 (2712)	*1950 (4300)	1740 (3837)	*2200 (4851)	*2760 (6086)	*2790 (6152)
2.0 (78.7)	930 (2051)	*1900 (4190)	1180 (2602)	*2130 (4697)	1640 (3616)	*2630 (5799)	2390 (5270)	*3760 (8291)
1.0 (39.4)	910 (2007)	*1930 (4256)	1130 (2492)	*2280 (5027)	1530 (3374)	*2980 (6571)	2160 (4763)	*4190 (9239)
0 (0)	930 (2051)	*1940 (4278)	1110 (2448)	*2340 (5160)	1480 (3263)	*3070 (6769)	2160 (4763)	*4260 (9393)
-1.0 (-39.4)	1040 (2293)	*1940 (4278)	1110 (2448)	*2170 (4785)	1490 (3285)	*2920 (6439)	2200 (4851)	*3930 (8666)
-2.0 (-78.7)	1280 (2822)	*1860 (4101)	–	–	1530 (3374)	*2380 (5248)	2280 (5027)	*3220 (7100)

Blade above ground — **Unit: kg (lbs.)**

A [m (in.)]	Max.		5.0 (196.9)		4.0 (157.1)		3.0 (118.1)	
B [m (in.)]								
5.0 (196.9)	1590 (3506)	*1890 (4167)	–	–	1890 (4167)	*1870 (4123)	–	–
4.0 (157.5)	1180 (2602)	1230 (2712)	1270 (2800)	1320 (2911)	1880 (4145)	*1870 (4123)	–	–
3.0 (118.1)	1020 (2249)	1060 (2337)	1230 (2712)	1290 (2844)	1740 (3837)	*2110 (4653)	2760 (6086)	*2740 (6042)
2.0 (78.7)	930 (2051)	970 (2139)	1180 (2602)	1240 (2734)	1640 (3616)	1720 (3793)	2390 (5270)	2540 (5601)
1.0 (39.4)	910 (2007)	940 (2073)	1130 (2492)	1190 (2624)	1530 (3374)	1610 (3550)	2160 (4763)	2320 (5116)
0 (0)	930 (2051)	970 (2139)	1110 (2448)	1160 (2558)	1480 (3263)	1570 (3462)	2160 (4763)	2340 (5160)
-1.0 (-39.4)	1040 (2293)	1080 (2381)	1110 (2448)	1160 (2558)	1490 (3285)	1570 (3462)	2200 (4851)	2350 (5182)
-2.0 (-78.7)	1280 (2822)	1330 (2933)	–	–	1530 (3374)	1600 (3528)	2280 (5027)	2460 (5424)

Note:
The lifting load with the asterisk (*) mark is limited by hydraulic lifting capacity rather than tipping. The lifting capacity shown in the above list is based on the ISO Standard No. 10567 and represents either 87% of hydraulic lifting capacity or 75% of tipping load, which is smaller.