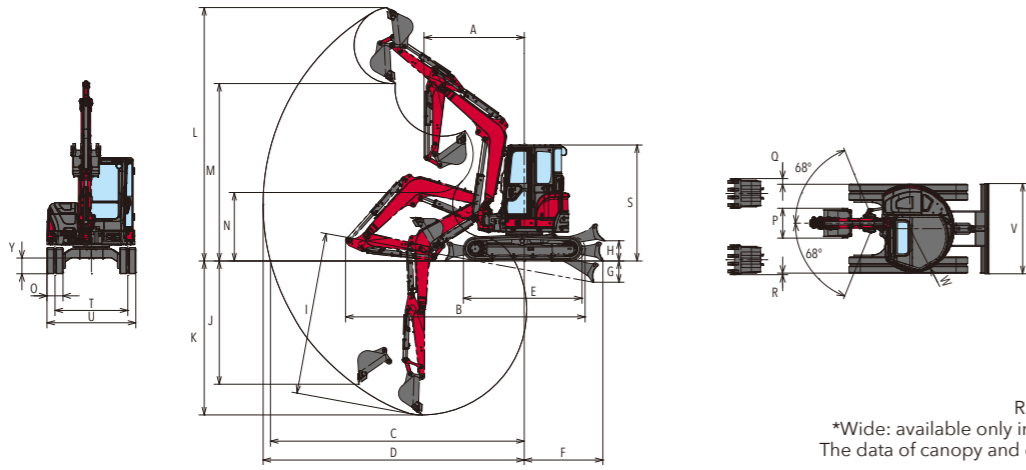


● Dimensions



Rubber track specification  
 \*Wide: available only in steel track specification  
 The data of canopy and cabin spec are the same.  
 Unit: mm (in.)

		A <at boom swing>	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Y
ViO50-6B	With quick coupler	2380 (93.7) <2120 (83.5)>	5320 (209.4)	5740 (226.0)	5890 (231.9)		1890 (74.4)	540 (21.3)	500 (19.7)	3740 (147.2)	2380 (93.7)	3550 (139.8)	5700 (224.4)	3680 (144.9)	1340 (52.8)	350 (13.8)	650 (25.6)	125 (4.9)	35 (1.4)			1940 (76.4)		970 (38.2)	
	Without quick coupler	2190 (86.2) <1950 (76.8)>	5230 (205.9)	5540 (218.1)	5700 (224.4)	2590 (102.0)	1720 (67.7)	465 (18.3)	445 (17.5)	3540 (139.4)	2690 (105.9)	3360 (132.3)	5530 (217.7)	3870 (152.4)	1500 (59.1)	*wide 400 (15.7)	*wide 100 (3.9)	*wide 10 (0.4)		2540 (100.0)	1590 (62.6)	*wide 1990 (78.3)	1970 (77.6)		345 (13.6)
ViO55-6B	With quick coupler	2370 (93.3) <2110 (83.1)>	5580 (219.7)	6140 (241.7)	6290 (247.6)		1890 (74.4)	540 (21.3)	500 (19.7)	4120 (162.2)	2560 (100.8)	3900 (153.5)	6060 (238.6)	4050 (159.4)	1410 (55.5)	400 (15.7)	700 (27.6)	125 (4.9)	35 (1.4)			1990 (78.3)		995 (39.2)	
	Without quick coupler	2180 (85.8) <1940 (76.4)>	5510 (216.9)	5950 (234.3)	6100 (240.2)		1720 (67.7)	465 (18.3)	445 (17.5)	3920 (154.3)	2930 (115.4)	3710 (146.1)	5900 (232.3)	4240 (166.9)	1570 (61.8)							1990 (78.3)			

● Specifications

MODEL	ViO50-6B								ViO55-6B																		
	With quick coupler				Without quick coupler				With quick coupler				Without quick coupler														
	Canopy		Cabin		Canopy		Cabin		Canopy		Cabin		Canopy		Cabin												
WEIGHT	Operating weight	Rubber track	kg (lbs.)	4705 (10373)	4875 (10748)	4605 (10152)	4775 (10527)	5355 (11806)	5535 (12203)	5255 (11585)	5435 (11982)																
		Steel track, std	kg (lbs.)	4835 (10659)	5005 (11034)	4735 (10439)	4905 (10814)	5385 (11872)	5565 (12269)	5285 (11651)	5465 (12048)																
		Steel track, wide	kg (lbs.)	4905 (10814)	5075 (11188)	4805 (10593)	4975 (10968)	-	-	-	-	-	-														
ENGINE	Type	Vertical 4-cylinder water-cooled direct injection diesel engine																									
	Model	4TNV88-ZPBV				4TNV84T-ZMBV																					
BUCKET	Capacity, standard	cu.m (cu.ft)	0.14 (4.94)								0.16 (5.65)																
	Width, standard	mm (in.)	650 (25.6)								700 (27.6)																
PERFORMANCE	Max. digging force	Bucket	kN (lbs.)	28.9 (6497)				36.5 (8206)				33.2 (7464)				41.9 (9419)											
		Arm	kN (lbs.)	20.8 (4676)				22.7 (5103)				22.5 (5058)				24.4 (5485)											
	Max. digging depth <at the blade down>		mm (in.)	3550 (139.8) <3740 (147.2)>				3360 (132.3) <3540 (139.4)>				3900 (153.5) <4120 (162.2)>				3710 (146.1) <3920 (154.3)>											
		Max. vertical wall digging depth	mm (in.)	2380 (93.7)				2690 (105.9)				2560 (100.8)				2930 (115.4)											
	Max. cutting height	mm (in.)	5700 (224.4)				5530 (217.7)				6060 (238.6)				5900 (232.3)												
	Max. dumping height	mm (in.)	3680 (144.9)				3870 (152.4)				4050 (159.4)				4240 (166.9)												
	Max. digging radius of the ground	mm (in.)	5740 (226.0)				5540 (218.1)				6140 (241.7)				5950 (234.3)												
	Front min. swing radius <at swinging the boom>	mm (in.)	2380 (93.7) <2120 (83.5)>				2190 (86.2) <1950 (76.8)>				2370 (93.3) <2110 (83.1)>				2180 (85.8) <1940 (76.4)>												
Boom swing angle: left / right	degrees	68 / 68																									
SPEED	Travel speed: high / low	Rubber track	km/h (mph)	4.6 (2.9) / 2.4 (1.5)								4.2 (2.6) / 2.2 (1.4)															
		Steel track	km/h (mph)	4.3 (2.7) / 2.1 (1.3)								3.9 (2.4) / 2.0 (1.2)															
	Swing speed	rpm	10																								
GROUND PRESSURE	Rubber track	kPa (PSI)	29.3 (4.25)	30.4 (4.41)	28.7 (4.16)	29.8 (4.32)	29.2 (4.24)	30.2 (4.38)	28.6 (4.15)	29.6 (4.29)																	
	Steel track, standard	kPa (PSI)	30.5 (4.42)	31.6 (4.58)	29.9 (4.34)	31.0 (4.50)	29.7 (4.31)	30.7 (4.45)	29.2 (4.24)	30.2 (4.38)																	
	Steel track, wide	kPa (PSI)	27.1 (3.93)	28.0 (4.07)	26.5 (3.85)	27.5 (3.99)	-	-	-	-																	
TANK CAPACITY	Fuel tank	L (gal)	66 (17.4)																								
	Hydraulic oil tank	L (gal)	38 (10.0)																								
HYDRAULIC SYSTEM	Pump displacement	L/min (gpm)	42.5 (11.2)×2 <Variable displacement pump> 37 (9.8)×1, 10.8 (2.9)×1 <Gear pump>								45.8 (12.1)×2 <Variable displacement pump> 37 (9.8)×1, 10.8 (2.9)×1 <Gear pump>																
	Relief set pressure	MPa (PSI)	24.5 (3553)×2, 21.6 (3133)×1, 3.9 (566)×1								24.5 (3553)×2, 24.5 (3553)×1, 3.9 (566)×1																
	Max. P.T.O. output	L/min (gpm)	79.5 (21.0)								82.8 (21.9)																

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



**YANMAR**

TRUE ZERO TAIL SWING MINI EXCAVATOR

# ViO50-6B/ViO55-6B

[Gross] 28.1kW <37.7HP> / 33.4kW <44.8HP>



YANMAR COMPACT EQUIPMENT



yanmar.com



## **Vi050-6B** **Vi055-6B**

No compromise between  
compactness and power



**BUILDING**  
**WITH YOU**

The specifications and attachments may differ depending on the sales area / sales period.

# Features of Vi050-6B / Vi055-6B



## Spring Steel Cylinder Guard **YANMAR ORIGINAL**

To prevent cylinder rods from damage.

**Page 10**

## Hydraulic Quick Coupler **YANMAR ORIGINAL**

No tools required to change the attachments.  
(Optional)

**Page 13**

## Auto Deceleration & Eco Mode

Efficient automatic engine deceleration.  
Eco mode reduces fuel consumption by 15-20%.

**Page 9**

## Robust Undercarriage

Tough and long lasting undercarriage.

**Page 10**

## LED Working Lights

Provides brighter light.

**Page 10**

## ROPS<sup>\*1</sup> and FOPS<sup>\*2</sup> 4-pole Canopy / Cabin

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

**Page 12**

## SMARTASSIST Remote

Advanced fleet management system.

**Page 13**

## Optimal Heat Balance

Top performance regardless of ambient temperatures.

**Page 10**

## YANMAR Engine **YANMAR ORIGINAL**

Powerful, reliable and efficient.

**Page 8, 9**

## True Zero Tail Swing

Ensures safer operation on the tight job sites.

**Page 6**

Roll-Over Protective Structure (ROPS): A structure to protect the operator wearing a seat belt, in case the machine rolls over.  
\*2 Falling Objective Structure (FOPS): A structure to protect the operator from falling objects.

# Unmatched compactness, power and efficiency



Machine width: **Vi050-6B 1970mm / Vi055-6B 1990mm**

### 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.

### Operating Weight

**Vi050-6B 4605kg**  
**Vi055-6B 5255kg**

\*Canopy and rubber track type



### Well-Balanced Frame Design

Ingenious design and optimized weight distribution deliver unmatched stability and lifting power.

### Productivity per liter

\*Measured in our own method

#### Vi050-6B

Previous Model (100%)

**Vi050-6B Standard Mode 45%UP**

**Vi050-6B Eco Mode 65%UP**

#### Vi055-6B

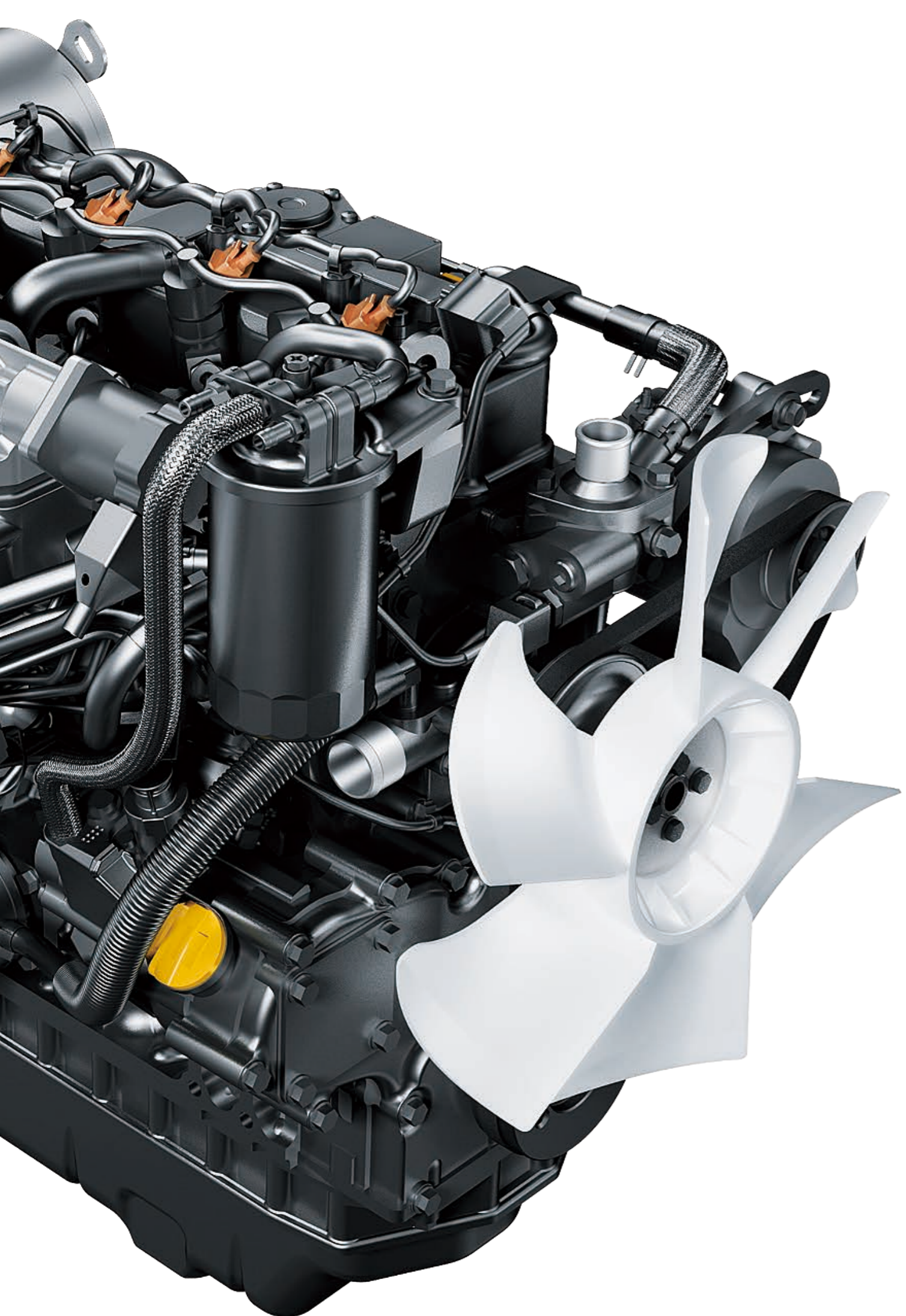
Previous Model (100%)

**Vi055-6B Standard Mode 30%UP**

**Vi055-6B Eco Mode 60%UP**

### More Powerful with Improved Fuel Efficiency

Smooth and efficient operations are achieved thanks to powerful hydraulic system combined with Eco mode.



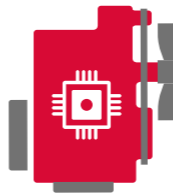
# Reliable YANMAR engine designed to deliver powerful output and fuel efficiency

### YANMAR Engine

Equipped with powerful and highly fuel efficient engines.  
TNV engines benefit from the latest electronically controlled direct injection technologies.

**Vi050-6B**  
Model **4TNV88-ZPBV** Output (Gross) **28.1kW**

**Vi055-6B**  
Model **4TNV84T-ZMBV** Output (Gross) **33.4kW**



**Isochronous Control**  
The ECU controller helps to maintain constant engine speed even in high loads. Enables operator to work stress-free.



**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 87% from maximum speed.

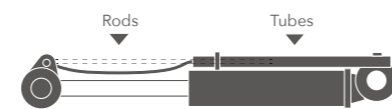
# Proven durability



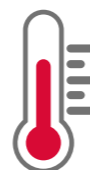
Watch the video

**1 LED Working Lights**  
A well protected LED lights provide brighter light for work safely and with accuracy in dark spaces.

**2 Spring Steel Cylinder Guards**  
All cylinders are protected with unique spring steel structured guards to reduce machine downtime.



**Robust Undercarriage**  
Tough and long lasting undercarriage enhances the service life of the excavator.



**Optimal Heat Balance**  
A discharge-type radiator and the large oil cooler ensure excellent heat balance in all weather conditions.

# Comfortable operator space



**1 Large LCD Monitor with LED Backlight**  
Easy-to-read display showing operating status and maintenance information.



**2 Dial Accelerator**  
Fingertip control dial easy to change the engine speed.



**3 Ergonomically Designed Controls**  
Ergonomically arranged operating controls and switches are within the reach of one hand.



**4 Suspension and Reclining Seat**  
A suspension and adjustable seat allow the operator to find their perfect working position while reducing shocks and vibrations.



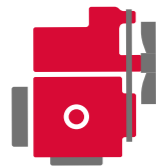
**5 External Power Outlet (12V)**  
The 12V power socket can be used for charging your cell phone and other devices.



**6 P.T.O. Switch and Flow Adjustment**  
Hydraulic P.T.O. lines can be controlled with the tip of your fingers. Ensures precise operation of attachments.



# Easy maintenance and enhanced safety



**1 Engine, Radiator and Battery**  
No tools required to open rear bonnet and the right-hand side bonnet.



**2 Hydraulic Oil Tank, Fuel Tank and Air Cleaner**  
Lockable right upper hand side bonnet provides easy access and security.



**3 ROPS and FOPS 4-pole Canopy / Cabin**  
The protective structure that meets ISO standards, minimizes the damage in case of an accident.



**4 Engine, Hydraulics and Electric Components**  
Seat mount and floor covers are easily opened to access components.



**5 Air Conditioner**  
A/C filters can be easily accessed from the inside of cabin. A/C condenser is built in the back of cabin, ensures a better visibility.

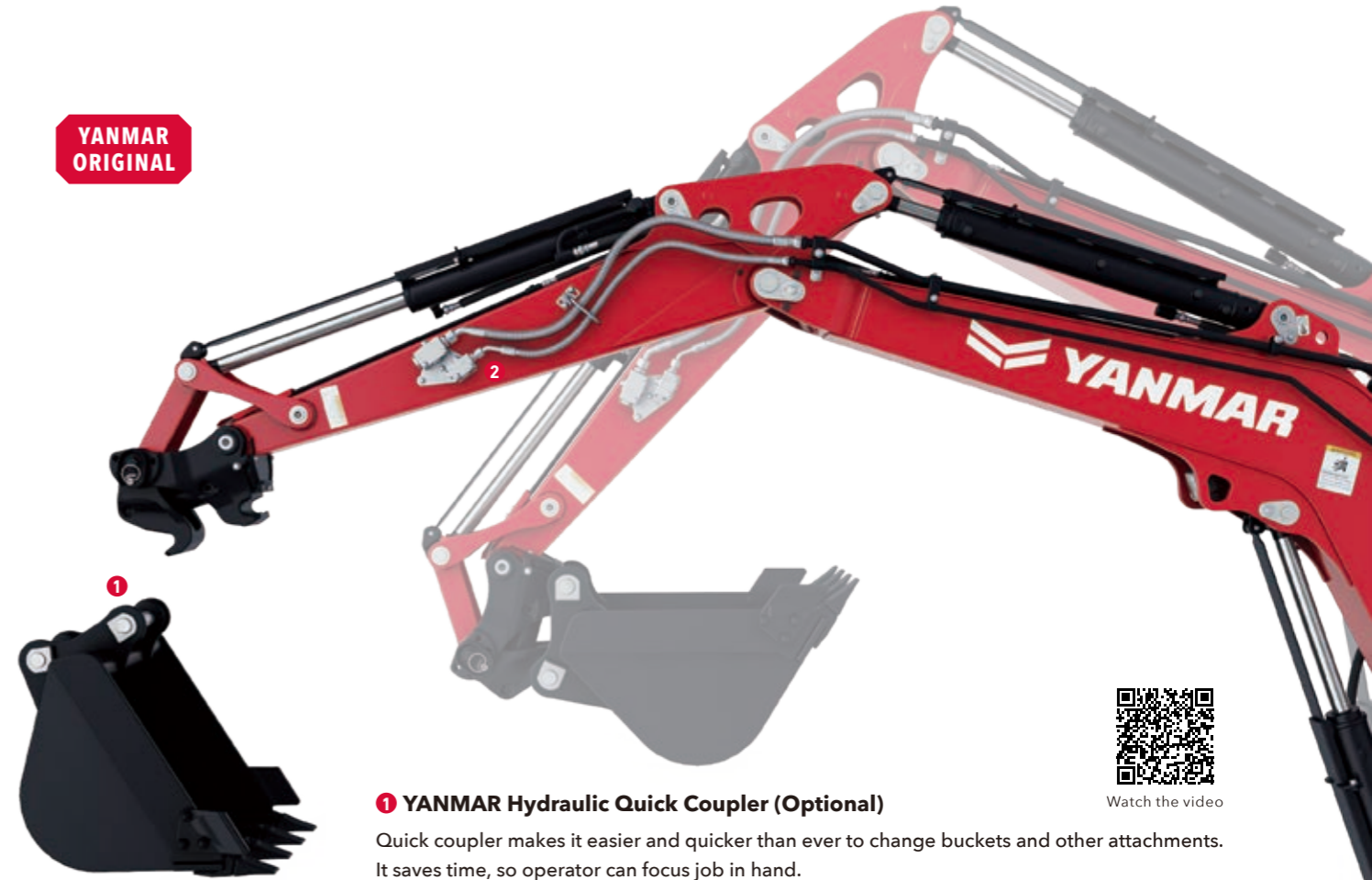


**6 Emergency Engine Stop Switch**  
In case of emergency, the engine can be shut down easily with emergency switch.



## A Wide Variety Functions

**YANMAR ORIGINAL**



**1 YANMAR Hydraulic Quick Coupler (Optional)**

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.  
Some buckets and attachments may not be applicable.

**Double Locking Quick Coupler**

The double locking type that meets ISO standards is also available for specific area.



**2 P. T. O. Hydraulic Lines (Optional)**

Powerful hydraulic P.T.O.1 and 2 lines are available with adjustable proportional control. Enables easy, fast and intuitive control of various attachments.

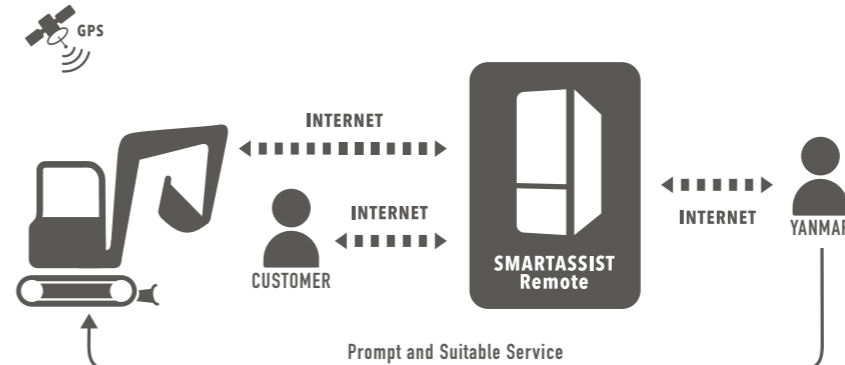


Watch the video

# 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.

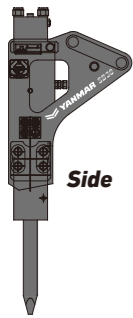
## Attachments

# 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



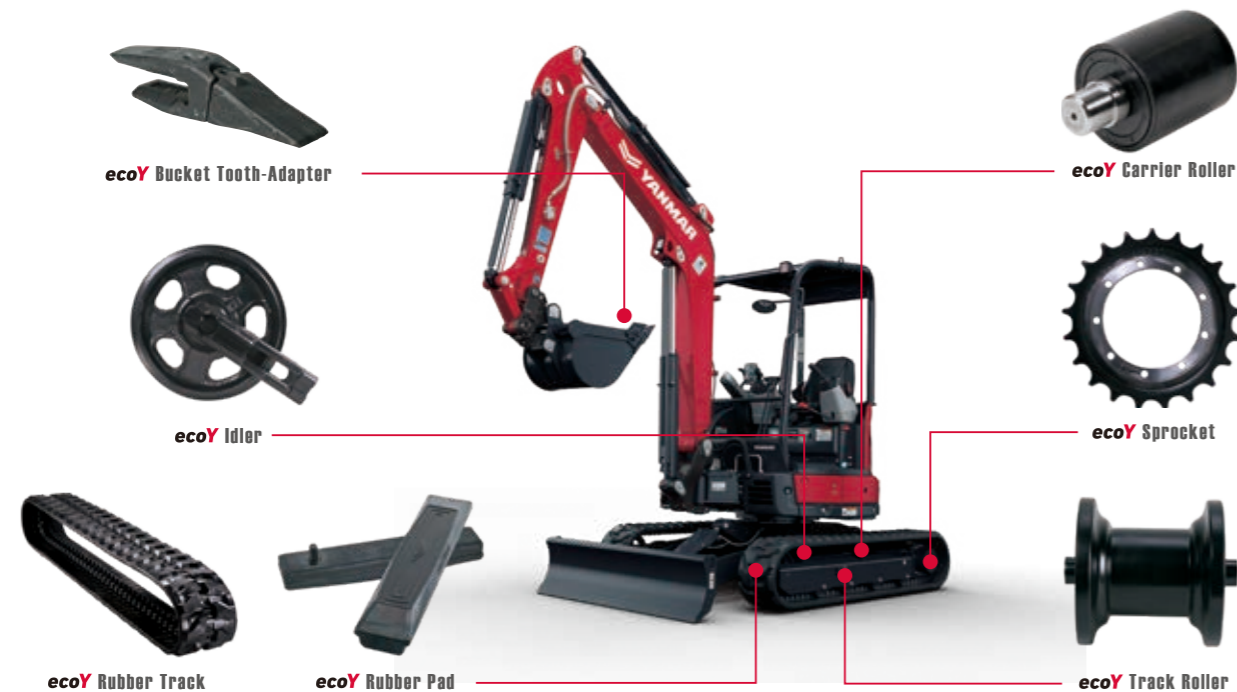
Box Housing (Silenced)

## YANMAR's recommended parts

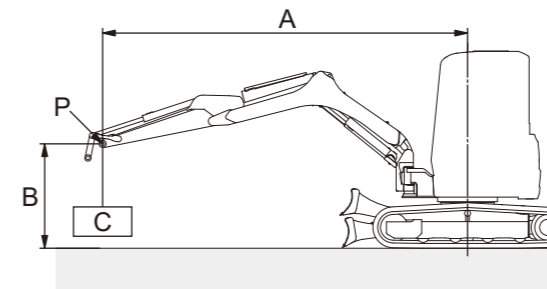
**ecoY**  
GUARANTEED QUALITY & DURABILITY



Watch the video



## ViO50-6B/ViO55-6B Lifting Capacity



With: Canopy and rubber track  
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

### ViO50-6B

Loads shown in table include weight of standard bucket [ViO50-6B: 127kg (280lbs.), ViO55-6B: 132kg (291lbs.)] and quick coupler [75kg (165lbs.)].

#### Blade on ground

A [m (in.)]	Max.		4.0 (157.5)		3.0 (118.1)		2.0 (78.7)	
B [m (in.)]								
4.0 (157.5)	*1090 (2403)	820 (1807)	-	-	-	-	-	-
3.0 (118.1)	*1070 (2358)	610 (1344)	*1050 (2314)	740 (1631)	-	-	-	-
2.0 (78.7)	*1100 (2425)	530 (1168)	*1200 (2645)	720 (1587)	*1500 (3306)	1100 (2425)	-	-
1.0 (39.4)	*1150 (2535)	510 (1124)	*1380 (3042)	690 (1521)	*1980 (4365)	1020 (2248)	-	-
0 (0)	*1170 (2579)	510 (1124)	*1490 (3284)	630 (1388)	*2080 (4585)	920 (2028)	*2930 (6459)	1560 (3439)
-1.0 (-39.4)	*1210 (2667)	600 (1322)	*1320 (2910)	620 (1366)	*1920 (4232)	900 (1984)	*2900 (6393)	1640 (3615)
-2.0 (-78.7)	*1150 (2535)	890 (1962)	-	-	*1340 (2954)	970 (2138)	-	-

Unit: kg (lbs.)

#### Blade above ground

A [m (in.)]	Max.		4.0 (157.5)		3.0 (118.1)		2.0 (78.7)	
B [m (in.)]								
4.0 (157.5)	*1040 (2292)	800 (1763)	-	-	-	-	-	-
3.0 (118.1)	700 (1543)	600 (1322)	830 (1829)	720 (1587)	-	-	-	-
2.0 (78.7)	590 (1300)	520 (1146)	780 (1719)	720 (1587)	*1430 (3152)	1100 (2425)	-	-
1.0 (39.4)	570 (1256)	510 (1124)	760 (1675)	680 (1499)	1150 (2535)	1000 (2204)	-	-
0 (0)	590 (1300)	500 (1102)	720 (1587)	620 (1366)	1070 (2358)	920 (2028)	1890 (4166)	1520 (3351)
-1.0 (-39.4)	690 (1521)	600 (1322)	720 (1587)	610 (1344)	1090 (2403)	900 (1984)	1990 (4387)	1620 (3571)
-2.0 (-78.7)	*1180 (2610)	880 (1940)	-	-	1120 (2469)	960 (2116)	-	-

Unit: kg (lbs.)

### ViO55-6B

#### Blade on ground

A [m (in.)]	Max.		4.0 (157.5)		3.0 (118.1)		2.0 (78.7)	
B [m (in.)]								
4.0 (157.5)	*1140 (2513)	890 (1962)	*1100 (2425)	*1090 (2403)	-	-	-	-
3.0 (118.1)	*1140 (2513)	680 (1499)	*1170 (2579)	*1110 (2447)	-	-	-	-
2.0 (78.7)	*1160 (2557)	600 (1322)	*1350 (2976)	920 (2028)	*1780 (3924)	*1700 (3747)	-	-
1.0 (39.4)	*1200 (2645)	580 (1278)	*1560 (3439)	860 (1895)	*2270 (5004)	1250 (2755)	-	-
0 (0)	*1230 (2711)	590 (1300)	*1670 (3681)	800 (1763)	*2420 (5335)	1240 (2733)	*3160 (6966)	1980 (4365)
-1.0 (-39.4)	*1260 (2777)	670 (1477)	*1600 (3527)	810 (1785)	*2310 (5092)	1160 (2557)	*3260 (7187)	2050 (4519)
-2.0 (-78.7)	*1190 (2623)	940 (2072)	-	-	*1770 (3902)	1190 (2623)	-	-

Unit: kg (lbs.)

#### Blade above ground

A [m (in.)]	Max.		4.0 (157.5)		3.0 (118.1)		2.0 (78.7)	
B [m (in.)]								
4.0 (157.5)	*1100 (2425)	860 (1895)	*1070 (2358)	*1090 (2403)	-	-	-	-
3.0 (118.1)	700 (1543)	690 (1521)	*1130 (2491)	*1120 (2469)	-	-	-	-
2.0 (78.7)	660 (1455)	590 (1300)	1000 (2204)	890 (1962)	*1720 (3791)	*1640 (3615)	-	-
1.0 (39.4)	630 (1388)	560 (1234)	950 (2094)	850 (1873)	1420 (3130)	1250 (2755)	-	-
0 (0)	670 (1477)	590 (1300)	890 (1962)	790 (1741)	1350 (2976)	1170 (2579)	2160 (4761)	1890 (4166)
-1.0 (-39.4)	730 (1609)	660 (1455)	880 (1940)	810 (1785)	1320 (2910)	1180 (2601)	2230 (4916)	2030 (4475)
-2.0 (-78.7)	1000 (2204)	940 (2072)	-	-	1330 (2932)	1190 (2623)	-	-

Unit: kg (lbs.)

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.