



**YANMAR**

TRUE ZERO TAIL SWING MINI EXCAVATOR

# **Vi017-1B**

[Gross] 10.1kW <13.5HP>











## **Vi017-1B**

**Top performance and  
reliability for professionals**



**BUILDING  
WITH YOU**

# Features of Vi017-1B

## Cylinder Hose **NEW**

Easy to be replaced, less manpower.

**P.13**

## LED Working Light **NEW**

Provides brighter light.

**P.10**

## Spring Steel Cylinder Guards **YANMAR ORIGINAL**

To prevent cylinder rods from damage.

**P.10**

## ViPPS Hydraulic System

Ensures smooth and precise simultaneous movements.

**P.11**

## **NEW** Heavy-Duty Turning and Travel Motors

Upgraded robust motors for the most demanding job sites.

**P.7**







### 2-Pole TOPS\* Canopy

The protective structure that meets ISO standards, minimizes the damage in case of an accident. (4-Pole version is optional)

**P.11**

### Oil Cooler **NEW**

Enhanced heat balance.

**P.11**

### YANMAR Engine **YANMAR ORIGINAL**

Powerful, reliable and efficient.

**P.8, 9**

### True Zero Tail Swing

Ensures safer operation on the tight job sites.

**P.6**

### Walk-Through

Get on and off the machine from both sides.

**P.11**

### Sliding Variable Undercarriage **YANMAR ORIGINAL**

Retracts to fit through narrow passages. Extends for stable operation.

**P.6**

\*Tip-Over Protection Structure (TOPS): A structure to protect the operator wearing a seat belt, in case the machine tips over.

# Designed to withstand the toughest job site conditions



Machine width  
**1280mm** ▶ **950mm**

at the maximum    at the minimum

### Sliding Variable Undercarriage

The undercarriage retracts to 950mm to fit through narrow passages and extends to 1280mm for stability while working.



### 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.



**NEW**



**Heavy-Duty Turning Motor**

Turning motor is one of the key components that can be damaged in long continuous operations. To withstand the toughest jobs, the thermo-mechanical treatment is applied to enhance the durability.

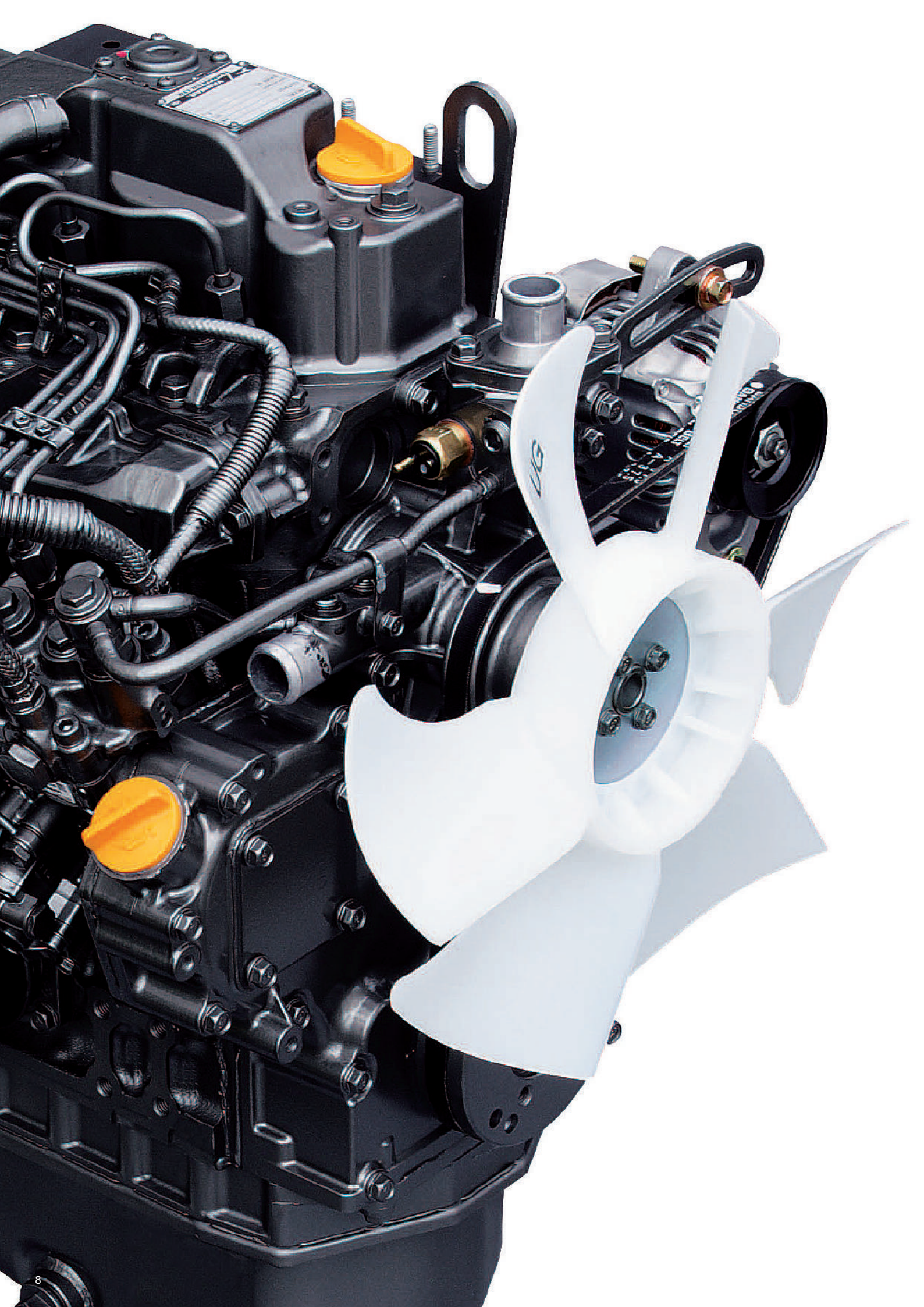
**NEW**



**Heavy-Duty Travel Motor**

The travel motor has been upgraded to piston type. It improves the durability by lowering the load on shaft. The new motor delivers sturdy performance.







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

## YANMAR Engine

Equipped with legendary YANMAR TNV engine. It guarantees high quality, power and efficiency thanks to advanced technologies.

Model **3TNV70-XBV** Output **10.1kW**



### High Performance Engine

High performance engine provides a powerful boost for tough works.



### Clean and Low-Noise

Ultra-low noise design, friendly to people and the environment.

\* The engine picture shown is for illustration purpose only.



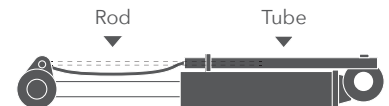
# Proven durability



Watch the video

## 1 Spring Steel Cylinder Guards

All cylinders are protected with unique spring steel structured guards to reduce machine downtime.



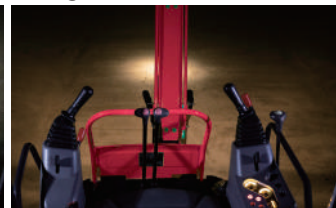
## Built-in LED Working Light **NEW**

A well protected LED light provides brighter light for work safely and with accuracy in dark spaces.

LED

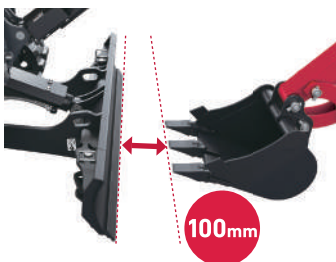


Halogen



## 2 P.T.O. Hydraulic Line

Standard P.T.O. hydraulic line delivers excellent performance for demolition job application.



## Minimal Distance between Bucket and Blade

It makes easy to push and collect soil in earth cleaning applications.



## Cutting Edge Blade

High tensile steel plate for outstanding durability.



## Protected Boom Cylinder Hose

The unique structure minimizes damage to the hose caused by dirt and sand.

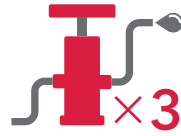


# Operator comfort and enhanced safety



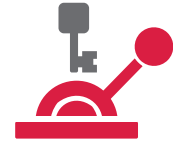
## 1 Walk-Through

A walk-through enables operator to get on and off the machine from both sides. It is highly efficient when operating right next to the wall.



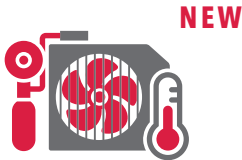
## 2 ViPPS Hydraulic System

YANMAR's progressive 3 pump system ensures smooth simultaneous operation of all functions, even when traveling.



## 3 Safety Lock Lever

To prevent from accidental operations, all the operations can be locked by pulling the safety lever.



## Upgraded Oil Cooler

Additional fins in the oil cooler enhances cooling capabilities, especially hydraulic oil. It delivers excellent heat balance in all kinds of weather conditions.



## 2-pole TOPS Canopy (4-Pole version is optional)

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



## Frame Guard

The bottom of the frame is covered with high-strength cast iron to provide protection on the toughest job sites.







# Easy maintenance



1

## Engine, Air Cleaner

Wide opening of engine bonnet makes inspection and maintenance of the engine and air cleaner simple.



2

## Battery, Cell Motor, Generator

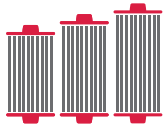
The battery, cell motor and generator can be easily accessed by opening the cover under the operator seat.



3

## Fuel Filler

Lockable cover below right-hand side joystick lever provides easy access and security.



4

## Hydraulic Components, Return Filter

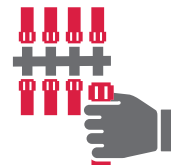
The left-hand side steel cover can be easily removed to access hydraulic components and return filter.



5

## Radiator

The right-hand side bonnet can be easily removed to access radiator.



6

## Cylinder Hose **NEW**

Easy to replace hoses. Reduces maintenance time and cost.



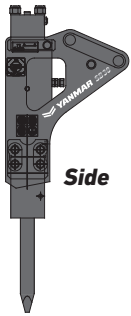
## Attachments

# 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.



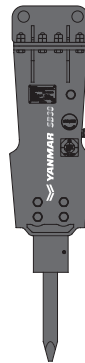
### Product Lineup



**Side**



**Pin Mounted**



**Cap Mounted**



**Box Housing (Silenced)**

## YANMAR's recommended parts

**ecoY**  
GUARANTEED QUALITY & DURABILITY



Watch the video



**ecoY Bucket Tooth-Adapter**



**ecoY Idler**



**ecoY Rubber Track**



**ecoY Rubber Pad**



**ecoY Carrier Roller**



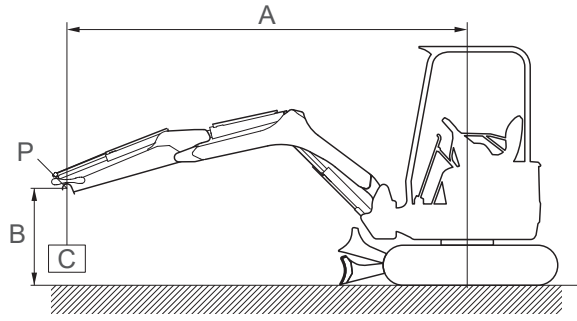
**ecoY Sprocket**



**ecoY Track Roller**



# Lifting Capacity



With: Canopy and rubber track

Without: Bucket

A: Reach from swing center line [m (in.)]

B: Load point height [m (in.)]

C: Lifting load [kg (lbs.)]

P: Load point


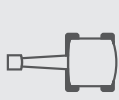

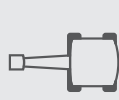

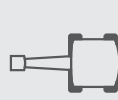

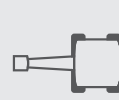
: Rating over front

: Rating over side or 180 degrees

Loads shown in table include weight of standard bucket [37kg (82lbs.)].


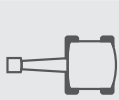

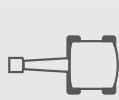

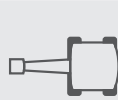

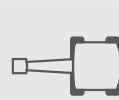
Blade on ground [Track width : 1280mm (extended)]

Unit: kg (lbs.)

A [m (in.)]	Max.		2.5 (98.4)		2.0 (78.7)		Min.	
B [m (in.)]								
2.0 (78.7)	*340 (749)	230 (507)	*320 (705)	*320 (705)	-	-	-	-
1.5 (59.1)	*350 (771)	200 (440)	*370 (815)	*530 (771)	*420 (925)	*420 (925)	-	-
1.0 (39.4)	*350 (771)	190 (418)	*440 (970)	290 (639)	*590 (1300)	410 (903)	*770 (1697)	530 (1168)
0.5 (19.7)	*370 (815)	190 (418)	*500 (1102)	280 (617)	*710 (1565)	380 (837)	*920 (2028)	480 (1058)
0 (0)	*380 (837)	200 (440)	*530 (1168)	280 (617)	*740 (1631)	370 (815)	*970 (2138)	590 (1300)
-0.5 (-19.7)	*400 (881)	220 (485)	*520 (1146)	270 (595)	*720 (1587)	360 (793)	-	-
-1.0 (-39.4)	*400 (881)	260 (573)	*440 (970)	270 (595)	*620 (1366)	360 (793)	-	-

Blade above ground [Track width : 1280mm (extended)]

Unit: kg (lbs.)

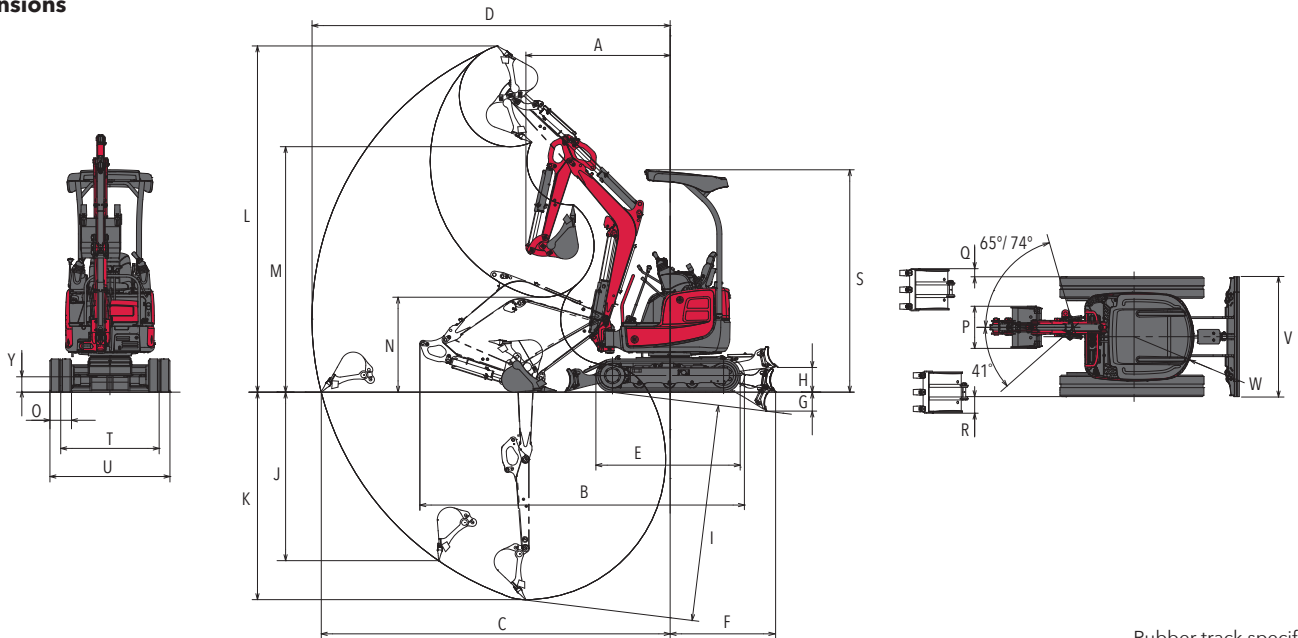
A [m (in.)]	Max.		2.5 (98.4)		2.0 (78.7)		Min.	
B [m (in.)]								
2.0 (78.7)	230 (507)	230 (507)	*320 (705)	*320 (705)	-	-	-	-
1.5 (59.1)	200 (440)	200 (440)	300 (661)	*350 (771)	*420 (925)	*420 (925)	-	-
1.0 (39.4)	200 (440)	190 (418)	300 (661)	290 (639)	430 (947)	410 (903)	530 (1168)	530 (1168)
0.5 (19.7)	190 (418)	190 (418)	280 (617)	280 (617)	390 (859)	380 (837)	500 (1102)	480 (1058)
0 (0)	190 (418)	200 (440)	260 (573)	280 (617)	350 (771)	370 (815)	590 (1300)	590 (1300)
-0.5 (-19.7)	200 (440)	220 (485)	250 (551)	270 (595)	350 (771)	360 (793)	-	-
-1.0 (-39.4)	260 (573)	260 (573)	270 (595)	270 (595)	360 (793)	360 (793)	-	-

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.



## ● Dimensions



Rubber track specification  
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
ViO17-1B 2-pole canopy	1540 (60.6) <1330 (52.4)>	3470 (136.6)	3720 (146.5)	3820 (150.4)	1560 (61.4)	1120 (44.1)	190 (7.5)	275 (10.8)	2300 (90.6)	1790 (70.5)	2200 (86.6)	3700 (145.7)	2630 (103.5)	1020 (40.2)	230 (9.1)	450 (17.7)	85-250 (3.3-9.8)	175-340 (6.9-13.4)	2380 (93.7)	720-1050 (28.3-41.3)	950-1280 (37.4-50.4)	950 / 1280 (37.4 / 50.4)	640 (25.2)	175 (6.9)
ViO17-1B 4-pole canopy	1540 (60.6) <1390 (54.7)>																	125-290 (4.9-11.4)	2330 (91.7)					

## ● Specifications

MODEL		ViO17-1B	
TYPE		Sliding variable undercarriage	
		2-pole canopy	4-pole canopy
WEIGHT	Operating weight	Rubber track	kg (lbs.)
		Steel track	kg (lbs.)
ENGINE	Type	Vertical 3-cylinder water-cooled diesel engine	
	Model	3TNV70-XBV	
	Rated output, gross	kW (HP) / rpm	
BUCKET	Capacity, standard	cu.m (cu.ft)	
	Width, standard	mm (in.)	
PERFORMANCE	Max. digging force	Bucket	kN (lbs.)
		Arm	kN (lbs.)
	Max. digging depth <at the blade down>	mm (in.)	
	Max. vertical wall digging depth	mm (in.)	
	Max. cutting height	mm (in.)	
	Max. dumping height	mm (in.)	
SPEED	Travel speed:	Rubber track	km/h (mph)
		Steel track	km/h (mph)
	Swing speed	rpm	
GROUND PRESSURE	With standard track	Rubber track	kPa (PSI)
		Steel track	kPa (PSI)
TANK CAPACITY	Fuel tank	L (gal)	
	Hydraulic oil tank	L (gal)	
HYDRAULIC SYSTEM	Pump displacement	L/min (gpm)	
	Relief set pressure	MPa (PSI)	
	Max. P.T.O. output	L/min (gpm)	

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

## YANMAR COMPACT EQUIPMENT



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