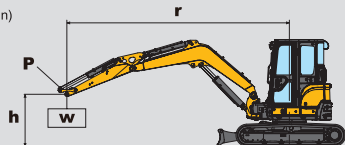


## Lifting capacity

Excavator equipped with ROPS/FOPS and rubber tracks  
(without quick coupler and without bucket)

**r** : Reach from swing center line : mm (in)  
**h** : Lift point height : mm (in)  
**w** : Lifting capacity : kg (lbs)  
**P** : Lift point



- The rated lifting capacities that are indicated below are based on ISO 10567 and do not exceed 87% of the excavator's hydraulic lifting capacity or 75% of its static tilt load (tipping load) capacity.
- The following operating criteria are also applicable to the calculation of these maximum loads:
  - The "Lift point" is the location of the front point on the arm
  - The three indicated machine position are : (i) arm over the front end (blade down), (ii) arm over the front end (blade up), and (iii) arm over the side (blade up).
- The weight of the excavator's bucket, hook, sling and other lifting accessories have been taken into consideration when calculating these maximum loads.

### ViO45-6B

LIFT POINT HEIGHT h : mm (in)	r : REACH mm (in)											
	RATED LIFT CAPACITY OVER END BLADE DOWN : kg (lbs)				RATED LIFT CAPACITY OVER END BLADE UP : kg (lbs)				RATED LIFT CAPACITY OVER SIDE BLADE UP : kg (lbs)			
	MAX	4000 (157.5)	3000 (118.1)	2000 (78.7)	MAX	4000 (157.5)	3000 (118.1)	2000 (78.7)	MAX	4000 (157.5)	3000 (118.1)	2000 (78.7)
4000 (157.5)	* 1090 (2403)				* 1040 (2292)				800 (1763)			
3000 (118.1)	* 1070 (2358)	* 1050 (2314)			700 (1543)	830 (1829)			600 (1322)	720 (1587)		
2000 (78.7)	* 1100 (2425)	* 1200 (2645)	* 1500 (3306)		590 (1300)	780 (1719)	* 1430 (3152)		520 (1146)	720 (1587)	1100 (2425)	
1000 (39.4)	* 1150 (2535)	* 1380 (3042)	* 1980 (4365)		570 (1256)	760 (1675)	1150 (2535)		510 (1124)	680 (1499)	1000 (2204)	
0 (Ground)	* 1170 (2579)	* 1490 (3284)	* 2080 (4585)	* 2930 (6459)	590 (1300)	720 (1587)	1070 (2358)	1890 (4166)	500 (1102)	620 (1366)	920 (2028)	1520 (3351)
-1000 (-39.4)	* 1210 (2667)	* 1320 (2910)	* 1920 (4232)	* 2900 (6393)	690 (1521)	720 (1587)	1090 (2403)	1990 (4387)	600 (1322)	810 (1344)	900 (1984)	1620 (3571)
-2000 (-78.7)	* 1150 (2535)		* 1340 (2954)		* 1180 (2601)		1120 (2469)		880 (1940)		960 (2116)	

### ViO55-6B

LIFT POINT HEIGHT h : mm (in)	r : REACH mm (in)											
	RATED LIFT CAPACITY OVER END BLADE DOWN : kg (lbs)				RATED LIFT CAPACITY OVER END BLADE UP : kg (lbs)				RATED LIFT CAPACITY OVER SIDE BLADE UP : kg (lbs)			
	MAX	4000 (157.5)	3000 (118.1)	2000 (78.7)	MAX	4000 (157.5)	3000 (118.1)	2000 (78.7)	MAX	4000 (157.5)	3000 (118.1)	2000 (78.7)
4000 (157.5)	* 1140 (2513)	* 1100 (2425)			* 1100 (2425)	* 1070 (2358)			860 (1895)	* 1090 (2403)		
3000 (118.1)	* 1140 (2513)	* 1170 (2579)			700 (1543)	* 1130 (2491)			690 (1521)	* 1120 (2469)		
2000 (78.7)	* 1160 (2557)	* 1350 (2976)	* 1780 (3924)		660 (1455)	1000 (2204)	* 1720 (3791)		590 (1300)	890 (1962)	* 1640 (3615)	
1000/39.4 (39.4)	* 1200 (2645)	* 1560 (3439)	* 2270 (5004)		630 (1388)	950 (2094)	1420 (3130)		560 (1234)	850 (1873)	1250 (2755)	
0 (Ground)	* 1230 (2711)	* 1680 (3681)	* 2420 (5335)	* 3160 (6966)	670 (1477)	890 (1962)	1350 (2976)	2160 (4761)	590 (1300)	790 (1741)	1170 (2579)	1890 (4166)
-1000 (-39.4)	* 1260 (2777)	* 1600 (3527)	* 2310 (5092)	* 3260 (7187)	730 (1609)	880 (1940)	1320 (2910)	2230 (4916)	660 (1455)	810 (1785)	1180 (2601)	2030 (4475)
-2000 (-78.7)	* 1190 (2623)		* 1170 (3902)		1000 (2204)		1330 (2932)		940 (2072)		1190 (2623)	

Note : The maximum loads marked with an asterisk (\*) were limited by the Excavator's hydraulic lifting capacity rather than by its static tilt load (tipping load) capacity.

## Standard equipment

- Blade
- Boom swing function
- Cylinder cover (boom, arm, bucket, blade)
- Rubber or Steel tracks
- Back mirror
- Work light on canopy
- ROPS / FOPS Canopy, Cabin
- Windshield washer (cabin)
- Lock lever
- LCD monitor
- Joystick pilot controls
- Arm rests
- Suspension and reclining seat
- Seat belt
- P.T.O switch
- Engine accelerator knob
- Auto deceleration
- Eco mode
- Engine stop switch
- External power socket (12V)
- Cup holder
- Ash tray (cabin)
- Floor mats
- Evacuation hammer (cabin)

Please note that the standard equipment may vary from this list. Consult your Yanmar dealer for confirmation

## YANMAR CONSTRUCTION EQUIPMENT CO.,LTD.

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All data subject to change without notice.



**YANMAR**

TRUE ZERO TAIL SWING MINI EXCAVATOR

**ViO45-6B** / **ViO55-6B**

[Gross] 28.1kW

[Gross] 33.4kW





# DESIGNED FOR PROFESSIONAL OPERATORS

## Everything a professional operator needs in a mini excavator

ViO45-6B and ViO55-6B are exceptionally designed for professional operators. These 2 models will impress users with their superior fuel efficiency, work performance, comfort, durability and serviceability.



TRUE ZERO TAIL SWING MINI EXCAVATOR

**ViO45-6B** 28.1kW **ViO55-6B** 33.4kW

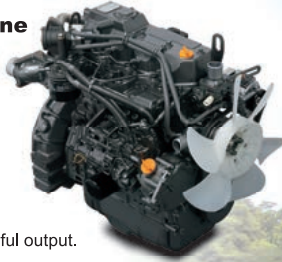


# SAVE TIME AND BE MORE PRODUCTIVE

**ViO45-6B and ViO55-6B, born to deliver top performance**

## Clean diesel engine

These 2 models are powered by Yanmar TNV series diesel engines, equipped with the latest electronically controlled direct injection technologies designed for clean emission and powerful output.



ViO45-6B **4TNV88** ViO55-6B **4TNV84T**

**28.1kW** / 2200rpm **33.4kW** / 2200rpm

## Fuel efficiency

Fuel efficiency has improved due to the excellently matched hydraulic system combined with the new features of Eco mode and Auto deceleration, making them the most fuel efficient excavators in their class.

Electronically controlled engine

More efficient hydraulics

**30% better fuel economy over previous models**



Eco mode is used **40% down** previous models

## Eco mode

Switching to Eco mode helps reduce fuel consumption significantly.



## Auto deceleration

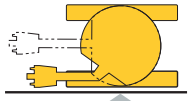
If the operating levers have been in neutral for more than 4 seconds, the engine will automatically drop back to idle, which lowers noise, emissions and fuel consumption.



Fuel efficiency & Work performance

## True zero tail swing

Yanmar pioneered the concept of a true zero tail swing mini excavator which will operate with no overhang on the tightest of job sites.



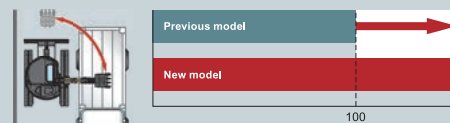
**No overhang**



## Productivity

The new engines, coupled with a more powerful hydraulic pump, allow these 2 models to perform smoothly and efficiently. Work performance has increased by 10%.

Amount of work per hour \*standard specifications



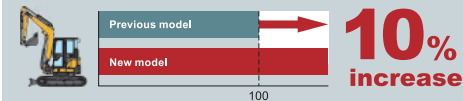
Work condition : Digging and dumping work

**10% increase**

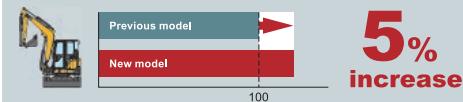
## Lifting capacity

ViO45-6B and ViO55-6B have the lifting power of a conventional type excavator, thanks to their ingenious design and excellently balanced weight distribution.

Lifting capacity over front \*standard specifications



Lifting capacity over side \*standard specifications



## Heat balance

The larger radiator and enhanced hydraulic oil cooling system ensure top performance regardless of ambient temperatures.

Radiator **10% increase** Oil cooler **10% increase**

## Yanmar original quick coupler (option)



Ensures quick change of attachments.

Quick coupler operation switch



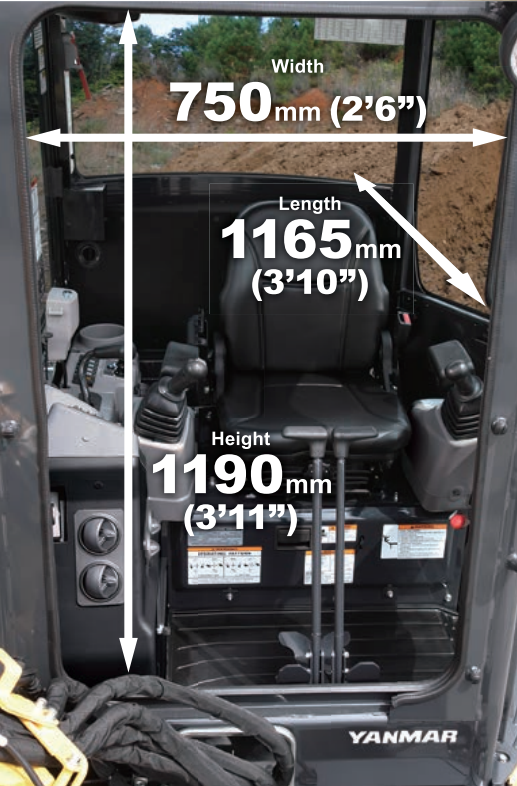
# UNIVERSAL DESIGN (UD), COMFORT

The universal design employed to enhance operator comfort.



Comfort

UD cabin and canopy provides maximum space



Powerful air conditioner with features of air recirculation and fresh air mode

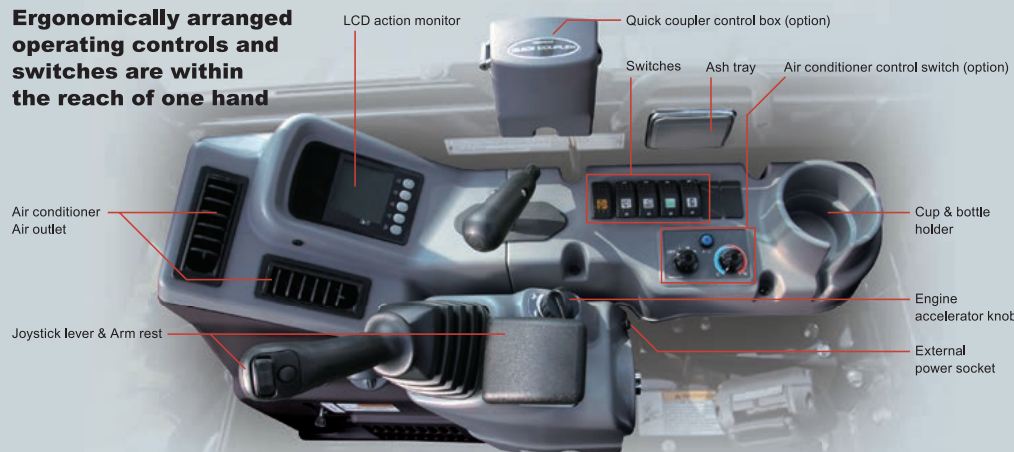
Air cooling **10% improved**



Comfortable reclining seat with storage compartment



Ergonomically arranged operating controls and switches are within the reach of one hand



Flat and spacious leg room



New universal grab handles

Cabin light



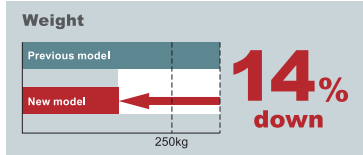


# PROVEN DURABILITY AND SAFETY

Simple design and durable components for enhanced reliability and minimum running costs.

**1 Cylinder guard protectors made from strong spring steel**

**2 Tough and lighter boom**



**3 Protected work light**

**4 Perfectly located air conditioner condenser**

**5 Steel bonnets ensure extra component protection**

**6 Strengthened bonnet hinges**



**7 Frame guard provides protection on the toughest job sites**

**8 Upgraded undercarriage**

**A Idler** / Held with double pin to prevent oil leakage.

Width  
**25% size up**

**B Track roller** / New durable structure prevents dirt or mud from sticking.

Width  
**13% size up**    Diameter  
**14% size up**

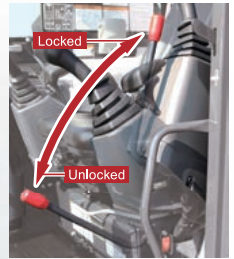
**C Sprocket** / Durable and long lasting.

Width  
**29% size up**



**9 Cabin & Canopy comply with ROPS and FOPS ISO standards**

**10 Safety lock levers**



**11 Emergency engine stop switch**



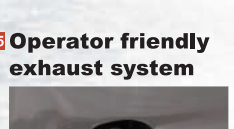
**12 Seat belt**



**13 Evacuation hammer (cabin spec)**



**14 Back mirror**



**15 Operator friendly exhaust system**





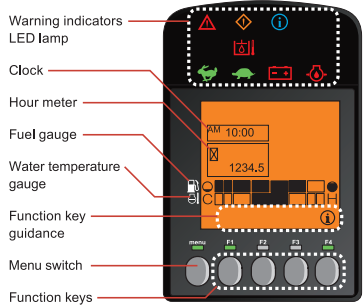
# EASY MAINTENANCE

## Maintenance

The new LCD action monitor provides various information, including machine service life and servicing alerts for smart machine maintenance.

### Back light large-screen LCD monitor

ViO45-6B and ViO55-6B incorporate a system that allows tracking down machine operating conditions over a span of 3 months.



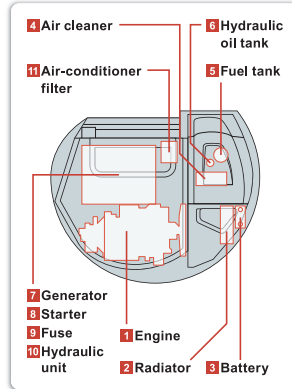
**Display examples**

Maintenance item icon	Maintenance item name
	Engine oil filter
	100h / 500h

Accumulated maintenance times      Maintenance intervals

2012/03	2012/03/21
	AM 2.6 h
	PM 0.0 h
	2.6 h

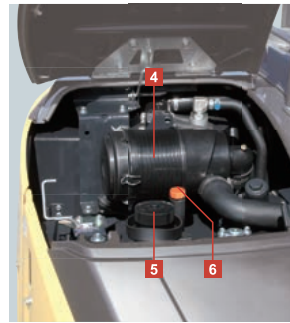
Operation history can be checked through calendar      Details



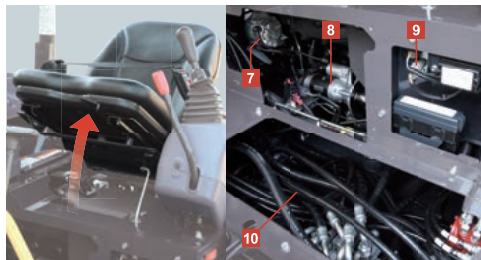
### Rear hood, right hood open without tools



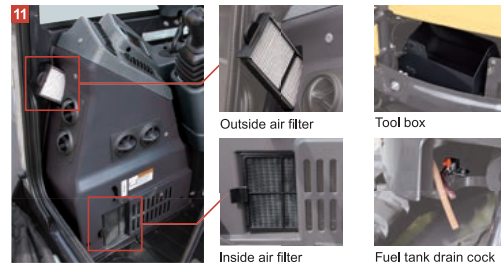
### Right upper opens without tools



### Open around the operator's seat



### Easy maintenance of air conditioner



**Dimensions** Unit: mm (in)

	ViO45-6B		ViO55-6B	
	Canopy spec / Cabin spec	Canopy spec / Cabin spec	Canopy spec / Cabin spec	Canopy spec / Cabin spec
	Quick coupler	without Quick coupler	Quick coupler	without Quick coupler
A	2380 (93.7) Swing 2120 (83.5)	2190 (86.2) Swing 1950 (76.8)	2370 (93.3) Swing 2110 (83.1)	2180 (85.8) Swing 1940 (76.4)
B	5320 (209.4)	5230 (205.9)	5580 (219.7)	5510 (216.9)
C	5740 (226.0)	5540 (218.1)	6140 (241.7)	5950 (234.3)
D	5890 (231.9)	5700 (224.4)	6290 (247.6)	6100 (240.2)
E	2590 (102.0)			
F	1890 (77.4)	1720 (67.7)	1890 (77.4)	1720 (67.7)
G	540 (21.3)	465 (18.3)	540 (21.3)	465 (18.3)
H	500 (19.7)	445 (17.5)	500 (19.7)	445 (17.5)
I	3740 (147.2)	3540 (139.4)	4120 (162.2)	3920 (154.3)
J	2380 (93.7)	2690 (105.9)	2560 (100.8)	2930 (115.4)
K	3550 (139.8)	3360 (132.3)	3900 (153.5)	3710 (146.1)
L	5700 (224.4)	5530 (217.7)	6060 (238.6)	5900 (232.3)
M	3680 (144.9)	3870 (152.4)	4050 (159.4)	4240 (166.9)
N	1340 (52.8)	1500 (59.1)	1410 (55.5)	1570 (61.8)
O	350 (13.8)		400 (15.7)	
P	650 (25.6)		700 (27.6)	
Q			125 (4.9)	
R			35 (1.4)	
S			2540 (100.0)	
T			1590 (62.6)	
U	1940 (76.4)		1990 (78.3)	
V	1970 (77.6)		1970 (77.6)	
W	970 (38.2)		995 (39.2)	

### Specifications

Model	ViO45-6B				ViO55-6B					
	Canopy		Cabin		Canopy		Cabin			
Spec	Quick coupler	without Quick coupler	Quick coupler	without Quick coupler	Quick coupler	without Quick coupler	Quick coupler	without Quick coupler		
<b>Operating weight</b>	Rubber track	kg (lbs)	4705 (10373)	4605 (10152)	4875 (10748)	4775 (10527)	5355 (11806)	5255 (11585)	5535 (12203)	5435 (11982)
	Steel track	kg (lbs)	4835 (10659)	4735 (10439)	5005 (11034)	4905 (10814)	5385 (11872)	5285 (11651)	5565 (12269)	5465 (12048)
<b>Engine</b>	Type	Vertical four cylinder water-cooled direct injection diesel engine								
	Model	YANMAR 4TNV88-ZPVB				YANMAR 4TNV84T-ZMBV				
	Rated output	kW (hp) / rpm				33.4 (48.4) / 2200 [Gross]				
<b>Performance</b>	Bucket capacity, standard (ISO heaped)	cum (cu.ft)				0.14 (4.94)				
	Bucket width, standard (ISO heaped)	mm (in.)				650 (25.6)				
	Max digging force, bucket	kN (lbf)	28.9 (6497)	36.5 (8206)	28.9 (6497)	36.5 (8206)	33.2 (7464)	41.9 (9419)	33.2 (7464)	41.9 (9419)
	Traveling speed, Rubber track	km/h (MPH)	4.6 (2.9) / 2.4 (1.5)				4.2 (2.6) / 2.2 (1.4)			
	high / low	Steel track	4.3 (2.7) / 2.1 (1.3)				3.9 (2.4) / 2.0 (1.2)			
	Swing speed	rpm	10				10			
	Boom swing angle, (L / R)	degrees	68 / 68				68 / 68			
<b>Ground contact pressure</b>	Rubber track	kPa (PSI)	29.3 (4.25)	28.7 (4.16)	30.4 (4.41)	29.8 (4.32)	29.2 (4.24)	28.6 (4.15)	30.2 (4.38)	29.6 (4.29)
	Steel track	kPa (PSI)	30.5 (4.42)	29.9 (4.34)	31.6 (4.58)	31.0 (4.50)	29.7 (4.31)	29.2 (4.24)	30.7 (4.45)	30.2 (4.38)
<b>Hydraulic system</b>	Pump capacity	L / min (GPM)	42.5 (11.2) x 2 [Variable displacement pump]				45.8 (12.1) x 2 [Variable displacement pump]			
			37.0 (9.8) x 1, 10.8 (2.9) x 1 [Gear pump]				37.0 (9.8) x 1, 10.8 (2.9) x 1 [Gear pump]			
	Main relief set pressure	MPa (PSI)	24.5 (3553) x 2 21.6 (3133) x 1 3.9 (566) x 1				24.5 (3553) x 2 24.5 (3553) x 1 3.9 (566) x 1			
<b>Fuel tank capacity</b>		L (Gals)	66 (17.4)				66 (17.4)			

### Hydraulic PTO

Model	ViO45-6B				ViO55-6B			
	Output	L / min (GPM)		MPa (PSI)	L / min (GPM)		MPa (PSI)	
2200RPM		1200RPM	2200RPM		1200RPM			
<b>Combined flow, double actions</b>	24.5 (3553)	79.5 (21.0)	43.3 (11.4)	24.5 (3553)	82.8 (21.9)	45.1 (11.9)		