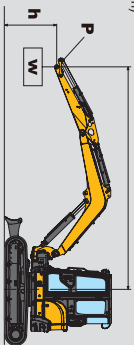


## Lifting capacity

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

Rated over front  
Rated over side



1. 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.
2. The following operating criteria are also applicable to the calculation of these maximum loads:
  - a) The "Lift point" is the location of the front point on the arm end (blade down), (ii) arm over the front end (blade up), and (iii) arm over the side (blade up).
  3. The weight of the excavator's bucket, hook, sling and other lifting accessories have been taken into consideration when calculating these maximum loads.

r : REACH mm (in)

LIFT POINT HEIGHT h : 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)	* 1080 (2403)				* 1040 (2292)								
3000 (118.1)	* 1070 (2358)	* 1050 (2314)			700 (1543)	830 (1829)							
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)	* 1450 (3284)	* 2080 (4585)		590 (1300)	720 (1587)	1880 (4166)		500 (1102)	620 (1366)	920 (2028)	1520 (3351)	
-1000 (-39.4)	* 1210 (2667)	* 1320 (2910)	* 1920 (4232)		690 (1521)	720 (1587)	1090 (2403)		600 (1322)	810 (1785)	900 (1984)	1620 (3571)	
-2000 (-78.7)	* 1150 (2535)	* 1340 (2954)			* 1180 (2601)				1120 (2469)	800 (1766)	960 (2116)		

r : REACH mm (in)

LIFT POINT HEIGHT h : 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)	* 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)		670 (1477)	800 (1766)	1350 (2910)		500 (1102)	790 (1741)	1170 (2579)	1890 (4166)	
-1000 (-39.4)	* 1280 (2777)	* 1800 (3957)	* 2310 (5092)		730 (1609)	880 (1940)	1320 (2910)		660 (1455)	810 (1785)	1180 (2601)	2030 (4475)	
-2000 (-78.7)	* 1190 (2623)	* 1170 (2592)			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
- LDC 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.

OVERSEAS SALES DEPT.

MARKETING & SALES DEPT.

1717-1 Kumano, Chikugo, Fukuoka 833-0055, JAPAN

TEL +81-942-53-5465 FAX +81-942-53-5132

yanmar.com

All data subject to change without notice.



**YANMAR**

TRUE ZERO TAIL SWING MINI EXCAVATOR

# VI045-6B / VI055-6B

[Gross] 28.1kW

[Gross] 33.4kW





# SAVE TIME AND BE MORE PRODUCTIVE

**VI045-6B and VI055-6B, 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.



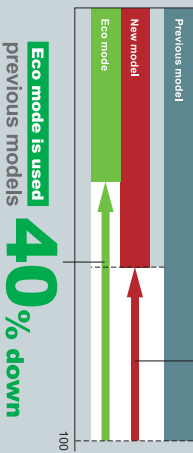
VI045-6B 41TNV83 / 2200rpm **28.1 kW**  
VI055-6B 41TNV84T / 2200rpm **33.4 kW**

## 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

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.



## 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

VI045-6B and VI055-6B 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



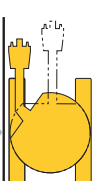
**5% increase**

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**



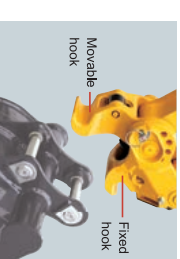
## Heat balance

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.



# UNIVERSAL DESIGN (UD), COMFORT

The universal design employed to enhance operator comfort.



Comfort

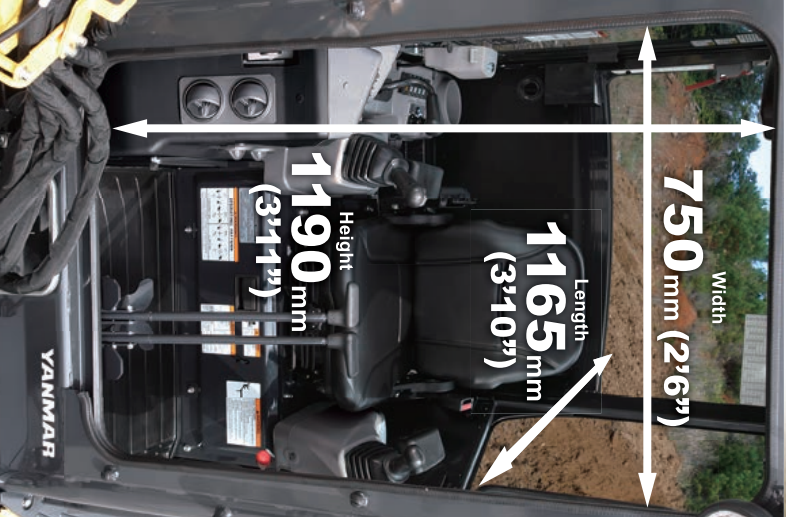
UD cabin and canopy provides maximum space



Width  
750 mm (2'6")

Length  
1165 mm (3'10")

Height  
1190 mm (3'11")



Flat and spacious leg room

515 mm (1'8")



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

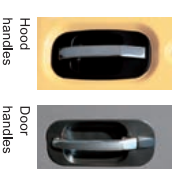
Air cooling improved 10%



Comfortable reclining seat with storage compartment



New universal grab handles



Cabin light



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

LCD action monitor

Quick coupler control box (option)

Switches

Ash tray

Air conditioner control switch (option)

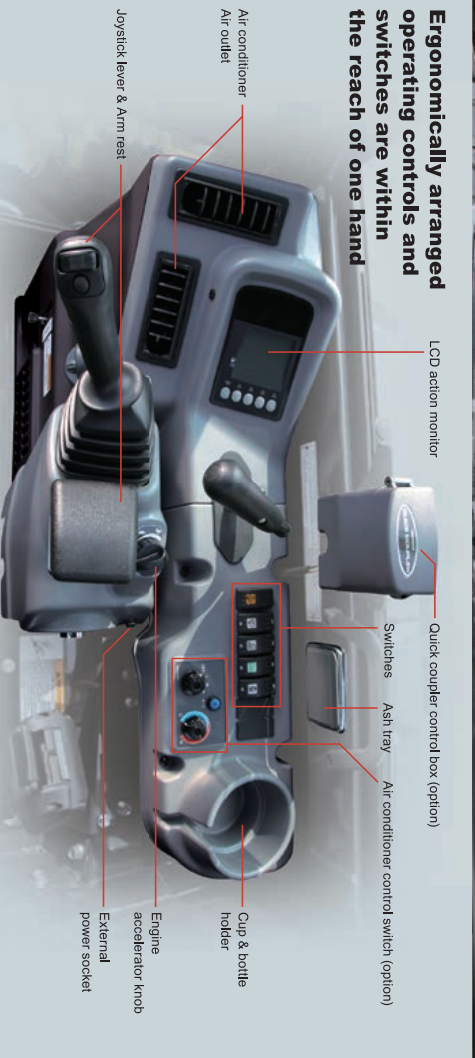
Air conditioner  
Air outlet

Joystick lever & Arm rest

Cup & bottle holder

Engine accelerator knob

External power socket



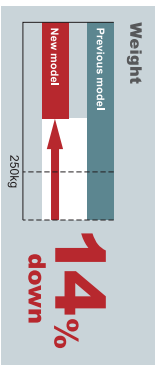
# PROVEN DURABILITY AND SAFETY

Durability & 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

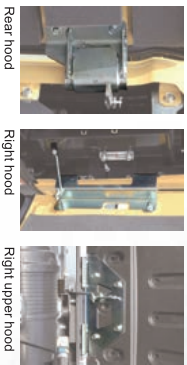


**3** Protected work light

**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.

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

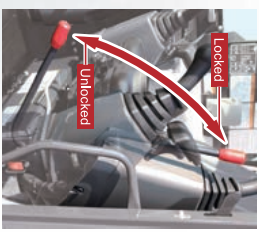
**C** Sprocket / Durable and long lasting.

Width	13% size up	Diameter	14% size up
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 speed)



**14** Back mirror

**15** Operator friendly exhaust system



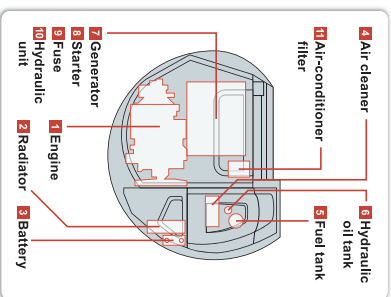
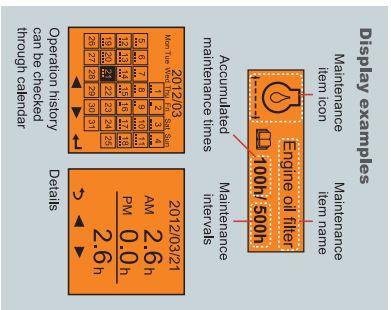
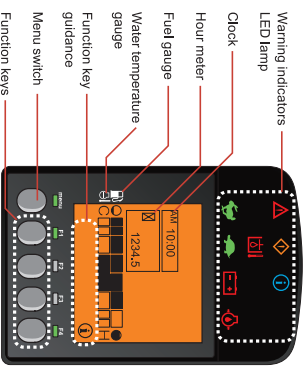
# EASY MAINTENANCE

## Maintenance

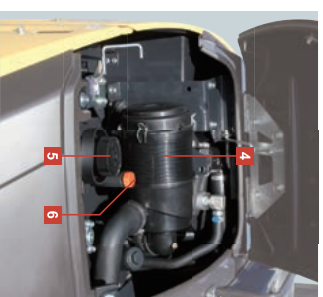
The new LCD action monitor provides various information, including machine service life and servicing alerts for smart machine maintenance.

### Back light large-screen LCD monitor

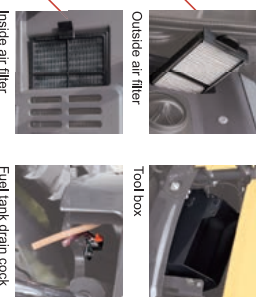
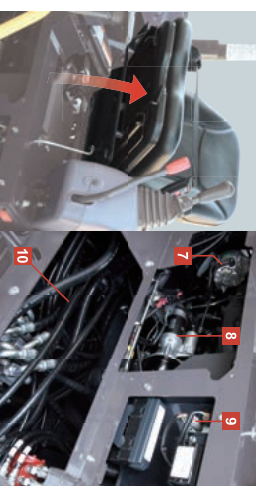
VI045-6B and VI055-6B incorporate a system that allows tracking down machine operating conditions over a span of 3 months.



### Rear hood, right hood open without tools



### Right upper opens without tools



### Open around the operator's seat

### Easy maintenance of air conditioner

Dimensions		VI045-6B		VI055-6B	
Canopy spec / Cabin spec	Canopy spec / Cabin spec	Canopy spec / Cabin spec	Canopy spec / Cabin spec	Canopy spec / Cabin spec	Canopy spec / Cabin spec
A	2380 (93.7)	2190 (86.2)	2370 (93.3)	2180 (85.8)	2180 (85.8)
B	5320 (209.4)	5230 (205.9)	5580 (219.7)	5510 (216.9)	5510 (216.9)
C	5740 (226.0)	5540 (218.1)	6140 (241.7)	5960 (234.3)	5960 (234.3)
D	5890 (231.9)	5700 (224.4)	6290 (247.6)	6100 (240.2)	6100 (240.2)
E	1890 (77.4)	1720 (67.7)	1890 (77.4)	1720 (67.7)	1720 (67.7)
F	540 (21.3)	465 (18.3)	540 (21.3)	465 (18.3)	465 (18.3)
G	500 (19.7)	445 (17.5)	500 (19.7)	445 (17.5)	445 (17.5)
H	3740 (147.2)	3540 (139.4)	4120 (162.2)	3920 (154.3)	3920 (154.3)
I	2380 (93.7)	2690 (105.9)	2690 (105.9)	2930 (115.4)	2930 (115.4)
J	3550 (138.8)	3360 (132.3)	3900 (153.5)	3710 (145.6)	3710 (145.6)
K	5700 (224.4)	5530 (217.7)	6060 (238.6)	5900 (232.3)	5900 (232.3)
L	3690 (144.9)	3870 (152.4)	4050 (159.4)	4240 (166.9)	4240 (166.9)
M	1340 (52.8)	1500 (59.1)	1410 (55.5)	1570 (61.8)	1570 (61.8)
N	350 (13.8)		350 (13.8)	400 (15.7)	400 (15.7)
O	650 (25.6)		650 (25.6)	700 (27.6)	700 (27.6)
P				125 (4.9)	125 (4.9)
Q				35 (1.4)	35 (1.4)
R				2540 (100.0)	2540 (100.0)
S				1590 (62.6)	1590 (62.6)
T				1940 (76.4)	1930 (75.3)
U				1970 (77.6)	1970 (77.6)
V				970 (38.2)	985 (38.2)
W					

### Specifications

Spec	VI045-6B		VI055-6B		
	without quick coupler	with quick coupler	without quick coupler	with quick coupler	
<b>Model</b>	VI045-6B		VI055-6B		
<b>Type</b>	Quick coupler	Quick coupler	Quick coupler	Quick coupler	
<b>Operating weight</b>	Rubber track kg (lbs) 4705 (10373)	4605 (10152)	4875 (10748)	4775 (10527)	
	Steel track kg (lbs) 4835 (10659)	4735 (10439)	5005 (11034)	4905 (10814)	
			5395 (11872)	5285 (11651)	
			5565 (12269)	5465 (12048)	
<b>Engine</b>	Type	Vertical four cylinder water-cooled direct injection diesel engine			
	Model	YANMAR 4TNV88-ZP8V			
	Rated output	26.1(37.7) / 2200 [Gross]			
		0.14 (4.94)			
<b>Performance</b>	Bucket capacity, standard (ISO heaped) cum (cu/yd)	650 (25.6)			
	Bucket width, standard (ISO heaped) mm (in)	28.9 (6497)			
	Max digging force, bucket kN (lbf)	36.5 (8206)			
	Traveling speed, high / low km/h (mph)	4.6 (2.9) / 2.4 (1.5)			
	Swing speed rpm	4.3 (2.7) / 2.1 (1.3)			
	Swing swing angle, (L / R) degrees	10			
	Boom swing angle, (L / R) degrees	68 / 68			
<b>Ground contact pressure</b>	Rubber track kPa (PSI)	29.3 (4.25)	26.7 (4.16)	30.4 (4.4)	
	Steel track kPa (PSI)	30.5 (4.42)	29.9 (4.34)	31.6 (4.56)	
				31.0 (4.50)	
<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]	
	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	
	Fuel tank capacity L (Gals)	66 (17.4)		66 (17.4)	
<b>Hydraulic PTO</b>					
<b>Model</b>	Output	VI045-6B		VI055-6B	
		L / min (GPM)		L / min (GPM)	
<b>Specification</b>	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)