QUICK SPECS

Weight	6,945 lbs
Horsepower	21.6 hp
Digging Depth	9´6˝

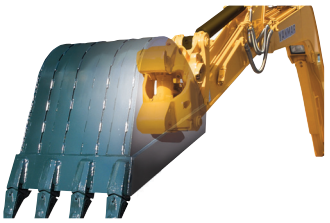
RULE THE JOBSITE
RULETHEJOBSITE.COM

Bring big machine power to small machine spaces.

Maybe you have a trench to dig along a wall, or a pipe to bury in a narrow alley, or cable to lay between cluster homes. That's no problem for the ViO27-5B. It's powerful 21.6-hp Yanmar diesel engine, industry-first true zero tail swing technology and deep digging depth lets you knock out tough jobs faster than ever before. And since it's a Yanmar, your checkbook can always count on unmatched fuel efficiency.

INNOVATIVE FEATURES

Yanmar pioneered the first zero tail swing excavator in 1993. Today, our true zero tail swing technology means no part of the housing extends beyond the tracks. Since the entire machine operates within its tracks, you can work efficiently almost anywhere with less damage to the machine and the worksite.

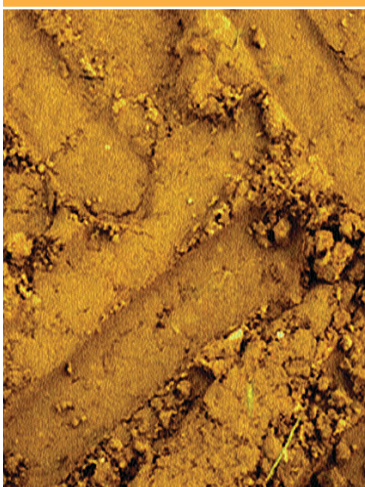


The standard hydraulic quick coupler makes changing buckets fast and easy. With the exception of fitting and removing the safety lock pin, the entire operation is performed electronically while you're seated in the comfort of the cab. Less hassle. Less downtime. More productivity.

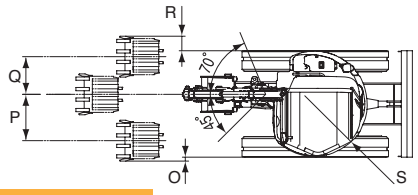
The ViO27-5B comes standard with ViO Crawler Technology for Advanced Stability (VICTAS). This innovative offset track technology provides increased stability without increasing the undercarriage width. You get the balance and stability of a conventional, standard-sized machine in a mini-excavator.

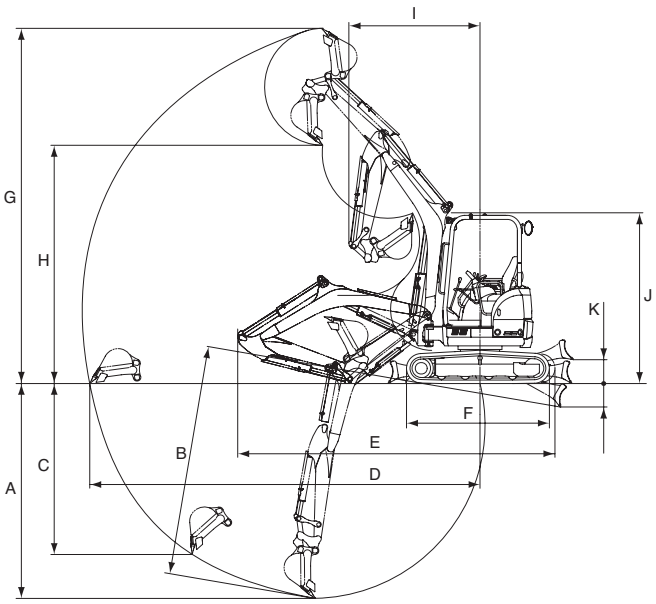
ViO27-5B

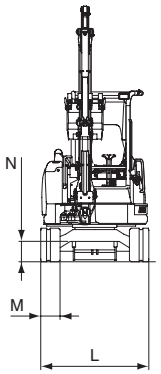
- POWERFUL, EFFICIENT 21.6-HP INTERIM TIER 4 YANMAR DIESEL ENGINE
- VIPPS (VIO PROGRESSIVE 3-PUMP HYDRAULIC SYSTEM)
- EASY-TO-OPERATE JOYSTICK CONTROLS WITH ARMRESTS REDUCE OPERATOR FATIGUE
- SPRING STEEL CYLINDER ROD GUARDS AND HOSE PROTECTION
- 4-PILLAR ROPS/FOPS CANOPY FOR SAFETY
- INTEGRATED BOOM LIGHT PROTECTED FROM DAMAGE
- EASY MAINTENANCE ACCESS TO EVERY MAJOR COMPONENT
- ANGLED CRAWLER FRAME REDUCES FOREIGN MATTER BUILD-UP
- TRAVELING ALARM SIGNALS WHEN MACHINE IS MOVED
- OPTIONAL ENCLOSED CAB WITH HEAT & A/C



ViO27-5B







Dimensions - ViO27-5B

A 9 ft. (2750 mm)
B 9′6″ (2900 mm)
C 7′9″ (2350 mm)
D 15′1″ (4590 mm)
E 13′9″ (4190 mm)
F 6′7″ (2010 mm)
G 15′2″ (4620 mm)
H 9′7″ (2910 mm)
I 6′11″ (2120 mm)
J 8′3″ (2510 mm)
K 1′2″ (350 mm)
L 5′1″ (1550 mm)
M 10″ (260 mm)
N 1′1″ (317 mm)
O 6″ (165 mm)
P 2′9″ (835 mm)
Q 1′7″ (490 mm)
R 4″ (100 mm)
S 2′7″ (R775 mm)

Specifications

Model			ViO27-5B	
Type			Canopy	Cabin
Operating Weight	Rubber Track	lbs (kg)	6945 (3150)	7231 (3280)
	Steel Track	(kg)	7165 (3250)	7452 (3380)
Engine	Type	-	Water-cooled 4-cycle diesel	
	Model	-	YANMAR 3TNV82A-SBV	
	Output	HP (kW)/rpm	21.6 (16.1) /2200	
Performance	*Max Digging Force, Bucket	lbs (kN)	5740 (25.5)	
	Traveling Speed, High / Low	MPH (km / h)	2.92 / 1.74 (4.7 / 2.8)	
	Swing Speed	RPM	10	
	Boom Swing Angle, (L / R)	degrees	45° / 75°	
Ground Contact Pressure	Rubber Track	PSI (kPa)	5.0 (34.6)	5.2 (36.0)
	Steel Track	PSI (kPa)	5.2 (35.7)	5.4 (37.1)
Hydraulic System	Pump Capacity	GPM (L / min)	9.0 + 9.0 + 4.9 + 2.6 (34.1 + 34.1 + 18.7 + 9.9)	
	Main Relief Set Pressure	PSI (MPa)	2990 (20.6) x 2	2840 (19.6) x 1
Undercarriage	Track Type	-	Rubber or Steel	
Blade Dimensions	Width x Height	ft-in (mm)	5′1″ x 1′1″ (1550 x 320)	
Fuel tank capacity		Gals (L)	11.1 (42)	

*Max digging force measured with buckets supplied in North America

Hydraulic PTO

Model			
Output / Specification	PSI (MPa)	GPM (L / min)	
		2200RPM	1100RPM
Combined Flow, Double Actions	2842 (19.6)	13.9 (52.8)	7.0 (26.4)

Standard Equipment

- Blade
- Boom Swing Function
- Rubber or Steel Tracks
- Hydraulic Quick Coupler
- 2-way Control Pattern Change
- Auxiliary Valve and Piping (arm end)
- Cylinder Cover (boom, arm, bucket, blade)
- ROPS/FOPS Cabin or Canopy
- Windshield Washer (Cabin Option)
- Defroster (Cabin Option)
- Joystick Pilot Controls
- Arm Rests (Adjustable)
- Suspension and Reclining Seat
- Seat Belt
- Travel Levers and Pedals
- Traveling Alarm
- Build-In Type Boom Light
- Exterior Canopy or Cabin Work Light
- Convex Rear View Mirror
- Operation Manuel

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

Lifting Capacity

LIFT POINT HEIGHT h:in (mm)		r:REACH in (mm)											
		RATED LIFT CAPACITY OVER END BLADE DOWN lbs (kg)				RATED LIFT CAPACITY OVER END BLADE UP lbs (kg)				RATED LIFT CAPACITY OVER SIDE BLADE DOWN lbs (kg)			
		MAX	118.1 (3000)	98.5 (2500)	78.8 (2000)	MAX	118.1 (3000)	98.5 (2500)	78.8 (2000)	MAX	118.1 (3000)	98.5 (2500)	78.8 (2000)
118.1	(3000)	*1472 (668)				1020 (463)				979 (444)			
96.5	(2500)	*1472 (668)	*1453 (659)			855 (388)	1170 (531)			813 (369)	1087 (493)		
78.7	(2000)	*1472 (668)	*1587 (720)	*1722 (781)		740 (336)	1144 (519)	*1693 (768)		723 (328)	1087 (493)	*1673 (759)	
39.4	(1000)	*1510 (685)	*2028 (920)	*2595 (1177)		681 (309)	1062 (482)	1408 (639)		657 (298)	1005 (456)	1369 (621)	
Ground	(0)	*1558 (707)	*2200 (998)	*2853 (1294)	3909 (1773)	1038 (471)	1005 (456)	1360 (617)	1938 (879)	690 (313)	972 (441)	1219 (553)	1799 (816)
-39.4	(-1000)	*1547 (702)		*2412 (1094)	3170 (1438)	930 (422)		1369 (621)	1931 (876)	897 (407)		1276 (579)	1772 (804)
-59.1	(-1500)	*1356 (615)				*1375 (624)				1367 (620)			

* Rated Hydraulic lift capacity

YANMAR