

## QUICK SPECS

Weight	4,860 lbs
Horsepower	19.2 hp
Digging Depth	8'7"

## Works in spaces where there isn't any, well, space.

Power won't do you a bit of good if your excavator can't work in a really tight space. The ViO20 lets you work quickly and effectively in tight, narrow quarters or adjacent to a wall or building. Its powerful, fuel-efficient 19.2-hp Yanmar diesel engine, industry-first true zero tail swing technology and deep digging depth lets you knock out tough jobs in no time. So no space is simply no problem.



## ViO20-3

POWERFUL, EFFICIENT  
19.2-HP INTERIM TIER 4  
YANMAR DIESEL ENGINE

VIPPS (VIO PROGRESSIVE  
3-PUMP HYDRAULIC  
SYSTEM)

EASY-TO-OPERATE  
JOYSTICK CONTROLS  
WITH CONTROL PATTERN  
CHANGE STANDARD

SPRING STEEL CYLINDER  
ROD GUARDS AND HOSE  
PROTECTION

4-PILLAR ROPS/FOPS  
CANOPY FOR SAFETY

INTEGRATED BOOM  
LIGHT PROTECTED  
FROM DAMAGE

LARGE, COMFORTABLE  
OPERATING SPACE

ANGLED CRAWLER  
FRAME REDUCES FOREIGN  
MATTER BUILD-UP

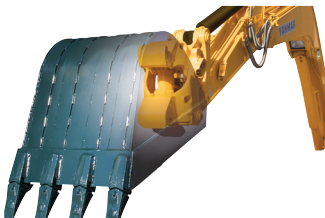
TRAVELING ALARM  
SIGNALS WHEN MACHINE  
IS MOVED

## INNOVATIVE FEATURES



### True Zero Tail Swing

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.



### Hydraulic Quick Coupler Comes Standard

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.

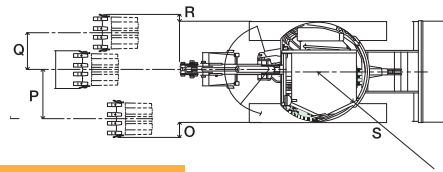


### The Stability Of A Conventional Excavator

The ViO20 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.

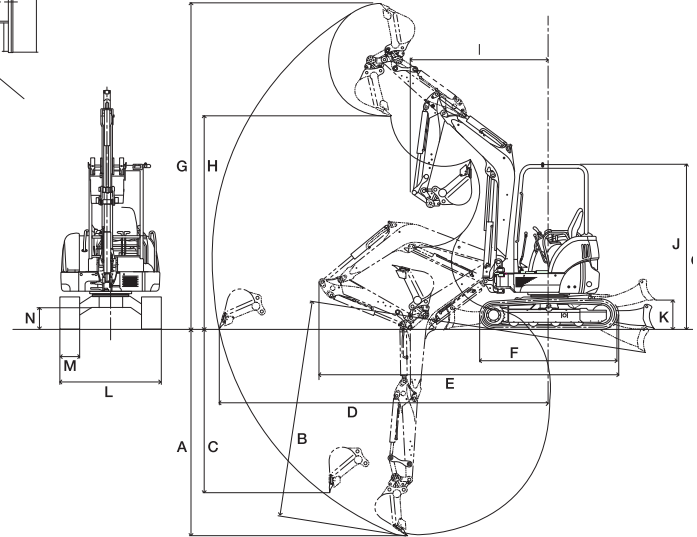


# ViO20-3



## Dimensions - ViO20-3

<b>A</b> 8 ft. (2440 mm)	<b>K</b> 1 ft. 3 in. (360 mm)
<b>B</b> 8 ft. 7 in. (2620 mm)	<b>L</b> 4 ft. 6 in. (1380 mm)
<b>C</b> 6 ft. 3 in. (1900 mm)	<b>M</b> 10 in. (250 mm)
<b>D</b> 13 ft. 8 in. (4160 mm)	<b>N</b> 11 in. (280 mm)
<b>E</b> 12 ft. 10 in. (3915 mm)	<b>O</b> 8 ft. (200 mm)
<b>F</b> 6 ft. 2 in. (1890 mm)	<b>P</b> 2 ft. 4 in. (700 mm)
<b>G</b> 13 ft. 1 in. (4000 mm)	<b>Q</b> 1 ft. 7 in. (485 mm)
<b>H</b> 8 ft. (2450 mm)	<b>R</b> 4 in. (95 mm)
<b>I</b> 6 ft. 7 in. (2010 mm)	<b>S</b> R2 ft. 3 in. (690 mm)
<b>J</b> 7 ft. 10 in. (2400 mm)	



## Specifications

Model		ViO20-3	
Type		Canopy	
<b>Operating Weight</b>	Rubber Track	lbs (kg)	4860 (2200)
	Steel Track	lbs (kg)	4860 (2200)
<b>Engine</b>	Type	-	Water-cooled 3-cycle diesel
	Model	-	YANMAR 3TNV76-PBV
	Output	HP (kW)/rpm	19.2 (14.3) /2400
<b>Performance</b>	*Max Digging Force, Bucket/Arm	lbs (kN)	4893 (21.8) / 3057 (13.8)
	Traveling Speed, High / Low	MPH (km / h)	2.7 / 1.4 (4.4 / 2.2)
	Swing Speed	RPM	9.5
	Boom Swing Angle, (L / R)	degrees	47° / 75°
<b>Ground Contact Pressure</b>	Rubber Track	PSI (kPa)	3.9 (26.8)
	Steel Track	PSI (kPa)	3.9 (26.8)
<b>Hydraulic System</b>	Pump Capacity	GPM (L / min)	5.7 + 5.7 + 5.38 (21.6 + 21.6 + 20.4)
	Main Relief Set Pressure	PSI (MPa)	2986 (20.6) x 2, 2406 (16.7) x 1
<b>Undercarriage</b>	Track Type	-	Rubber or Steel
<b>Blade Dimensions</b>	Width x Height	ft-in (mm)	4'6" x 11" (1380 x 285)
<b>Fuel tank capacity</b>		Gals (L)	7.5 (28.5)

\*Max digging force measured with buckets supplied in North America.

## 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
- Joystick Pilot Controls
- Arm Rests
- Sliding Seat
- Seat Belt
- Travel Levers and Pedals
- Traveling Alarm
- Build-In Type Boom Light
- Exterior Canopy Work Light
- Operation Manual

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

## Hydraulic PTO

Model	ViO20-3			
	Output	PSI (kPa)	GPM (L / min)	
			2400 RPM	1200 RPM
<b>Specification</b>				
<b>Combined Flow, Double Actions</b>		2417 (16672)	11.3 (42.7)	5.7 (21.4)

## Lifting Capacity

LIFT POINT HEIGHT h:in (mm)	r:REACH in (mm)											
	RATED LIFT CAPACITY OVER FRONT BLADE DOWN lbs (kg)				RATED LIFT CAPACITY OVER FRONT BLADE UP lbs (kg)				RATED LIFT CAPACITY OVER SIDE BLADE UP lbs (kg)			
	MAX	8'3" (2500)	6'7" (2000)	MIN	MAX	8'3" (2500)	6'7" (2000)	MIN	MAX	8'3" (2500)	6'7" (2000)	MIN
6'7" (2000)	*1080 (490)	*1180 (535)			684 (310)	948 (430)			639 (290)	970 (440)		
4'11" (1500)	*1080 (490)	*1334 (605)	*1731 (785)		650 (295)	1069 (485)	1444 (655)		573 (260)	937 (425)	1345 (610)	
3'3" (1000)	*1136 (515)	*1599 (725)	*2216 (1005)		606 (275)	1014 (460)	*1433 (650)		518 (235)	904 (410)	1235 (560)	
1'8" (500)	*1180 (535)	*1753 (795)	*2503 (1135)		606 (275)	1014 (460)	1411 (640)		518 (235)	849 (385)	1202 (545)	
Ground (0)	*1180 (535)	*1808 (820)	*2448 (1110)	2503 (1135)	617 (280)	970 (440)	1345 (610)	1742 (790)	540 (245)	849 (385)	1180 (535)	1466 (655)
-1'8" (-500)	*1180 (535)	*1698 (770)	*2194 (995)		684 (310)	970 (440)	1345 (610)		606 (275)	849 (385)	1180 (535)	
-3'3" (-1000)	*1180 (535)	*1433 (650)	*1951 (885)		849 (385)	981 (445)	1433 (650)		772 (350)	871 (395)	1180 (535)	

\* Rated Hydraulic lift capacity