

QUICK SPECS

Weight	18,136 lbs
Horsepower	56.9 HP
Max Dig Depth	15'4"

Versatility combined with more power.

YANMAR's ViO80-1A, our 8-ton class mini excavator, is powered by a 56.9 HP

Tier 4 Final YANMAR engine. It is our largest true zero tail swing excavator, goes where large conventional tail swing models can't and comes with emissions control combined with fuel efficiency. The ViO80-1A comes standard with 2nd PTO and is packed with several convenient functions and features to provide operator comfort, ease of operation and easy maintenance. Plus, YANMAR's unique SmartAssist Remote gives you peace of mind with theft prevention and maintenance management tools as well as other remote monitoring services.

INNOVATIVE FEATURES



True Zero Tail Swing

YANMAR introduced the world's first zero tail swing excavator in 1993. True zero tail swing technology means no part of the housing extends beyond the tracks, allowing you to work efficiently anywhere, with less damage to the machine and the worksite.

YANMAR's Patented Hydraulic Quick Coupler

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.

A Cab Almost As Comfortable As Your Living Room

The spacious ViO80-1A cab is designed for more elbow and leg room. The standard equipment heating and air conditioning system means you can work comfortably year round. And the sturdy, sound-blocking, anti-vibration construction means a smooth, quiet ride. All it needs is a TV.



ViO80-1A

POWERFUL, EFFICIENT
56.9 HP TIER 4 FINAL
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

INTEGRATED BOOM
LIGHT PROTECTS
FROM DAMAGE

ECO & AUTO-
DECELERATION MODE
STANDARD

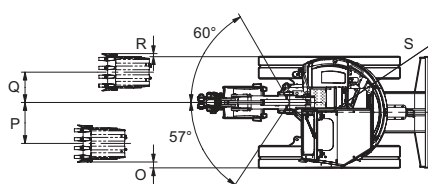
ANGLED CRAWLER FRAME
REDUCES FOREIGN
MATTER BUILD-UP

AUTOMATIC SHIFTING
2-SPEED TRAVEL

STANDARD PTO2
CIRCUIT

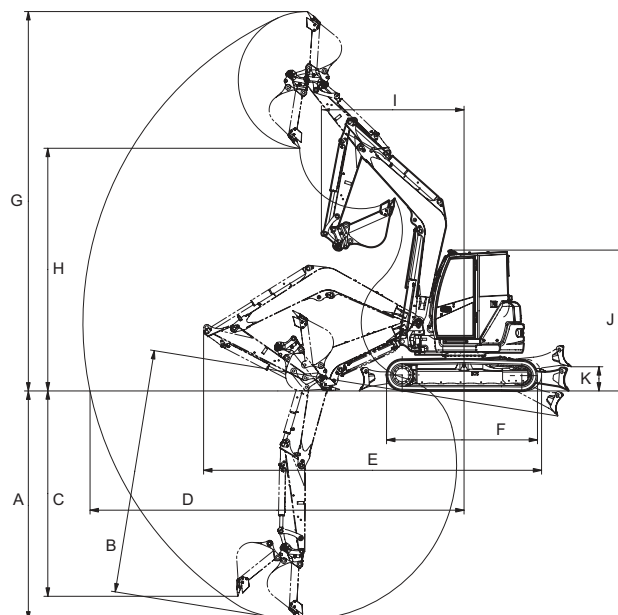
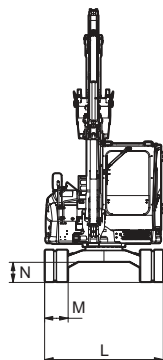


ViO80-1A



Dimensions - ViO80-1A

A 14'5" (4,400)	K 1'6" (460)
B 15'4" (4,680)	L 7'5" (2,270)
C 12'11" (3,940)	M 1'6" (450)
D 23'5" (7,140)	N 1'3" (390)
E 21'2" (6,460)	O 5" (120)
F 9'6" (2,890)	P 2'9" (840)
G 23'9" (7,230)	Q 2'0" (620)
H 15'2" (4,620)	R 2" (60)
I 8'11" (2,720)	S 3'9" (1,135)
J 8'10" (2,680)	



Specifications

Model		ViO80-1A	
Type		Cab. Rubber Track	Cab. Steel Track
Operating Weight		18,136 (8.23)	18,268 (8.29)
Engine	Type	Water-cooled 4-cylinder diesel	
	Model	YANMAR 4TNV98C-WBV	
	Rated Output	56.9 (42.4) / 2,000	
	Maximum Output at High Idle Speed	55.7 (41.5) / 1,900	
Performance	Max Digging Force, Bucket / Arm	14,275 (63.5)* / 9,172 (40.8)*	
	Traveling Speed, High / Low	2.8 (4.5) / 1.6 (2.5)	2.6 (4.1) / 1.4 (2.3)
	Swing Speed	9.0	
	Boom Swing Angle, (L / R)	57° / 60°	
	Gradability	30°	
Ground Contact Pressure (Rubber Track)		5.2 (35.8)	5.25 (36.2)
Hydraulic System	Pump Capacity	18.6 (70.3) x 2 + 14.1 (53.2) + 5.0 (19.0)	
	Main Relief Set Pressure	3,698 (25.5) x 2 + 3,481 (24.0) + 421 (2.9)	
Blade Dimensions	Width	7'5" (2,260)	
	Stroke, Raise / Lower from G.L.	1'6" (460) / 1'7" (480)	1'5" (440) / 1'8" (500)
Fuel tank capacity		30.4 (115)	

*without quick coupler

Standard Equipment

Hydraulic Quick Coupler*
Blade
Boom Swing Function
Rubber Tracks
Arm End Auxiliary Valve
Antenna and Pre-wired for Radio
Back Mirror/Side Mirror
2-way Pattern Control
ROPS / FOPS Cabin
Windshield Washer
Air Conditioner
Defroster
Joystick Pilot Controls
Arm Rests (Adjustable)
Suspension and Reclining Seat
Seat Belt
PTO Switch
Travel Automatic Dual Speed Switch
Auto Deceleration Switch
Eco Mode Switch
Engine Stop Switch
Traveling Alarm
Floor Mats
PTO2 Circuit

*Also available without Quick Coupler.

Hydraulic PTO

Model	ViO80-1A			
Specification	Output	PSI (kPa)	GPM (L / min)	
			PTO1	PTO2
Combined Flow, Double Actions		3,481 (24,000)	31.7 (120.0)	18.6 (70.3)

Lifting Capacity

LIFT POINT HEIGHT in (mm)	(R) LIFT RADIUS 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 UP lbs (kg)			
	MAX	196.9 (5,000)	157.1 (4,000)	118.1 (3,000)	MAX	196.9 (5,000)	157.1 (4,000)	118.1 (3,000)	MAX	196.9 (5,000)	157.1 (4,000)	118.1 (3,000)
196.9 (5,000)	3,638 (1,650)		3,572 (1,620)		3,550 (1,610)		3,461 (1,570)		2,734 (1,240)		3,550 (1,610)	
157.5 (4,000)	3,417 (1,550)	3,417 (1,550)	3,572 (1,620)		2,403 (1,090)	2,734 (1,240)	3,417 (1,550)		2,271 (1,030)	2,491 (1,130)	3,528 (1,600)	
118.1 (3,000)	3,483 (1,580)	3,616 (1,640)	4,233 (1,920)	5,468 (2,480)	2,028 (920)	2,668 (1,210)	4,123 (1,870)	5,336 (2,420)	1,896 (860)	2,447 (1,110)	4,145 (1,880)	5,534 (2,510)
78.7 (2,000)	3,351 (1,520)	3,946 (1,790)	5,027 (2,280)	6,879 (3,120)	1,830 (830)	2,513 (1,140)	3,594 (1,630)	6,174 (2,800)	1,697 (770)	2,315 (1,050)	3,395 (1,540)	4,806 (2,180)
39.4 (1,000)	3,395 (1,540)	4,255 (1,930)	5,710 (2,590)	7,651 (3,470)	1,764 (800)	2,381 (1,080)	3,439 (1,560)	4,564 (2,070)	1,675 (760)	2,249 (1,020)	3,175 (1,440)	4,255 (1,930)
Ground (0)	3,373 (1,530)	4,321 (1,960)	5,865 (2,660)	8,070 (3,660)	1,830 (830)	2,337 (1,060)	3,307 (1,500)	4,873 (2,210)	1,719 (780)	2,160 (980)	3,153 (1,430)	4,542 (2,060)
-39.4 (-1,000)	3,329 (1,510)	4,057 (1,840)	5,468 (2,480)	7,585 (3,440)	2,028 (920)	2,315 (1,050)	3,285 (1,490)	5,137 (2,330)	1,918 (870)	2,160 (980)	3,087 (1,400)	4,674 (2,120)
-78.7 (-2,000)	2,976 (1,350)		4,498 (2,040)	6,218 (2,820)	2,491 (1,130)		3,373 (1,530)	5,292 (2,400)	2,425 (1,100)		3,197 (1,450)	4,961 (2,250)

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