

Dimensions

Units: ft-in (mm)

	A	B	C	D	E	F	G	H	I	J
ViO20-3	8'(2440)	8'7"(2620)	6'3"(1900)	13'8"(4160)	12'10"(3915)	6'2"(1890)	13'1"(4000)	8'(2450)	8'7"(2010)	7'10"(2400)
	K	L	M	N	O	P	Q	R	S	
ViO20-3	1'3"(360)	4'6"(1380)	10"(250)	11"(280)	8"(200)	2'4"(700)	1'7"(485)	4"(95)	R2'3"(690)	

Specifications

Model		ViO20-3	
Type		Canopy	
Operating weight	Rubber track	lbs (kg)	4910 (2230)
	Steel track	lbs (kg)	4910 (2230)
Engine	Type	Water cooled, 3-cyl. diesel	
	Model	3TNV76-PBV	
	Output	hp (kW)/RPM	19.2 (14.3) / 2400
Performance	Max digging force, Bucket/Arm	lbs (kN)	3987/3057 (17.7/13.6)
	Traveling speed	MPH (km/h)	2.7 / 1.4 (4.4 / 2.2)
	Swing speed	RPM	9.5
	Boom swing angle, (L/R)	degrees	47 / 75
Ground contact pressure	Rubber track	PSI (kPa)	4.0 (27.7)
	Steel track	PSI (kPa)	4.0 (27.7)
Hydraulic system	Pump capacity	GPM	5.7+5.7+5.6+3.2
		(L/min)	(21.6 +21.6+21.12+12.24)
	Main relief set pressure	PSI (MPa)	2988 / 2422 (20.6 / 16.7)
Undercarriage	Track type	Rubber or steel	
Blade dimensions	Width x height	ft-in (mm)	
Fuel tank capacity		Gals (L)	7.5 (28.5)
Std. Bucket (w/side cutter)	Width	ft-in (mm)	1'7"(490)
	Capacity	cu.ft (cu.m)	2.33(0.066)

Hydraulic P.T.O.

Model		ViO20-3		
Specifications	Output	PSI(kpa)	GPM (L/min)	
			2400 RPM	1200 RPM
Combined flow, double actions		2417(16672)	11.3(42.7)	5.7(21.4)

LIFTING CAPACITY

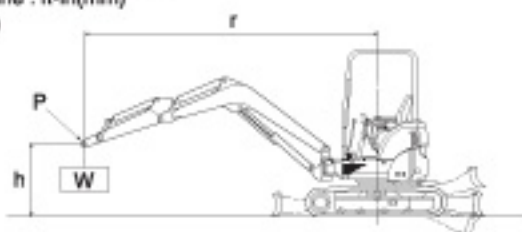
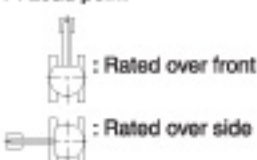
Excavator equipped with ROPS/FOPS canopy and rubber crawlers

r: Reach from swing center line : ft-in(mm)

h: Lift point height : ft-in(mm)

w: Lifting capacity : lbs(kg)

P: Load 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 "load point" is the location of the front bolt on the arm.
 - The three indicated machine positions are :
 - arm over the front end (blade down),
 - arm over the front end (blade up), and
 - arm over the side (blade up).
 - The operating cylinder is the boom cylinder.
- The weight of the excavator's bucket, hook, sling and other lifting accessories have been taken into consideration when calculating these maximum loads.

ViO20-3 (with Quick Coupler)

LIFT POINT HEIGHT h:ft-in (mm)	r:REACH ft-in (mm)				r:REACH ft-in (mm)				r:REACH ft-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)	848(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)	*1138(515)	*1599(725)	*2218(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)	

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
 - Joystick pilot controls
 - Arm rests
 - Standard seat
 - Seat belt
 - Rubber or steel crawler tracks
 - ROPS/FOPS canopy
 - Boom swing function
 - Std bucket (w/side cutter)
 - Traveling lever and pedal
 - PTO arm end piping
 - Traveling alarm function
 - 2 way operation pattern change
 - Hydraulic quick coupler
 - Built-in type boom light
 - Cylinder cover
 - Operation manual
- (Please note that the standard equipment may vary from this list. Consult your Yanmar dealer for confirmation.)

Note : All information presented in this Brochure is subject to change without notice

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