

Dimensions

Unit: ft-in (mm)

	A	B	C	D	E	F	G	H	I	J
VI027-3	8'10"(2700)	9'4"(2850)	7'3"(2200)	14'11"(4550)	13'7"(4130)	6'7"(2010)	14'8"(4480)	9'1"(2770)	6'8"(2050)	8'2"(2500)
VI035-3	10'6"(3200)	11'(3350)	8'10"(2700)	16'8"(5080)	15'1"(4595)	6'11"(2120)	16'5"(5000)	10'8"(3260)	6'8"(2060)	8'3"(2510)
	J'	K	L	M	N	O	P	Q	R	S
VI027-3	8'4"(2530)	1'2"(360)	5'1"(1550)	10"(260)	1'1"(320)	7"(185)	2'6"(755)	1'10"(560)	3"(70)	R2'6"(765)
VI035-3	8'4"(2530)	1'5"(435)	5'1"(1550)	1"(300)	1'1"(320)	9"(235)	2'6"(755)	1'10"(560)	5"(120)	R2'7"(775)

Remarks J: Canopy, J': Cabin

Specifications

Model	VI027-3				VI035-3			
	Canopy		Cabin		Canopy		Cabin	
Type	Rubber track		Steel track		Rubber track		Steel track	
Operating weight	lbs (kg)		lbs (kg)		lbs (kg)		lbs (kg)	
	6306 (2860)		6571 (2980)		7740 (3510)		8203 (3720)	
Engine	Type		Water-cooled 3 cyl. diesel		Model		3TNV82A-XBV	
	Output		hp (kW)/RPM		24.7(18.4)/2500			
Performance	Max digging force, bucket/arm		lbs (kN)		5170 / 3282 (23 / 14.6)		5732 / 3956 (25.5 / 17.6)	
	Traveling speed		MPH (km/h)		2.9 / 1.7 (4.7 / 2.8)		2.9 / 1.7 (4.6 / 2.7)	
	Swing speed		RPM		10.0		10.0	
	Boom swing angle, (L/R)		degrees		50 / 75		50 / 75	
	Gradeability		degrees		30		30	
Ground contact pressure	Rubber track		PSI (kPa)		4.64 (32.0)		4.86 (33.5)	
	Steel track		PSI (kPa)		4.19 (28.9)		4.38 (30.2)	
Hydraulic system	Pump capacity		GPM (L/min)		8.2+8.2+5.1+3.1 (31.2+31.2+19.44+11.76)		10.2+10.2+6.3+3.0 (38.75+38.75+23.75+11.25)	
	Main relief set pressure		PSI (MPa)		2968 (20.6)			
Undercarriage	Track type		Rubber or Steel					
Blade dimensions	Width x height		ft-in (mm)		5'1"x1'1" (1550x330)		5'1"x1'3" (1550x370)	
Fuel tank capacity			Gals (L)		9.8 (37.0)			
Std. Bucket (w/side cutter)	Width		ft-in(mm)		1'7"(490)		1'11"(590)	
	Capacity		cu.tf(cu.m)		2.82(0.08)		3.88(0.11)	

Hydraulic P.T.O.

Model	Output	VI027-3				VI035-3			
		PSI(kpa)	GPM (L/min)		PSI(kpa)	GPM (L/min)			
			2500 RPM	1050 RPM		2500 RPM	1050 RPM		
Combined flow, double actions		2986(20595)	13.9(52.7)	5.9(22.0)	2986(20595)	16.5(62.5)	6.9(26.3)		

LIFTING CAPACITY

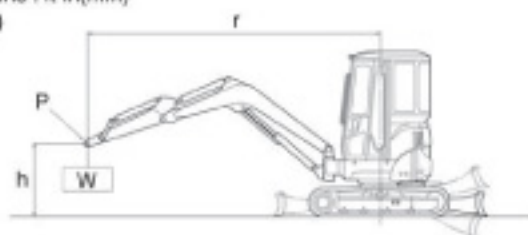
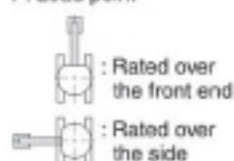
Excavator equipped with ROPS/FOPS Canopy and Rubber Crawlers

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

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

w: Lifting capacity : lbs(kg)

P: Load point



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 "load point" is the location of the front bolt on the arm.

b) The three indicated machine positions are :

(i) arm over the front end (blade down),

(ii) arm over the front end (blade up), and

(iii) arm over the side (blade up).

c) The operating cylinder is the Boom Cylinder.

3. The weight of the Excavator's bucket, hook, sling and other lifting accessories have been taken into consideration when calculating these maximum loads.

VIO27-3 (With Quick Coupler)

LIFT POINT HEIGHT h:ft-in (mm)	r:LIFT RADIUS ft-in (mm)				r:LIFT RADIUS ft-in (mm)				r:LIFT RADIUS ft-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	9'10" (3000)	8'3" (2500)	6'7" (2000)	MAX	9'10" (3000)	8'3" (2500)	6'7" (2000)	MAX	9'10" (3000)	8'3" (2500)	6'7" (2000)
9'10"(3000)	*1323(600)				1058(480)				1047(475)			
8'3"(2500)	*1301(590)	*1312(595)	*1323(600)		882(400)	*1323(600)	*1213(550)		827(375)	1058(480)	*1246(565)	
6'7"(2000)	*1400(635)	*1411(640)	*1521(690)		816(370)	1147(520)	*1521(690)		750(340)	1114(505)	*1521(690)	
3'3"(1000)	*1422(645)	*1830(830)	*2337(1060)	*2977(1350)	728(330)	1091(495)	1455(660)	1819(825)	684(310)	1025(465)	1356(615)	1687(765)
Ground(0)	*1521(690)	*2040(925)	*2635(1195)	*3594(1630)	783(355)	1058(480)	1389(630)	1985(900)	750(340)	981(445)	1312(595)	1852(840)
-3'3"(-1000)	*1521(690)		*2205(1000)	*2955(1340)	1047(475)		1411(640)	1985(900)	981(445)		1312(595)	1852(840)
-4'11"(-1500)	*1422(645)				*1422(645)				*1422(645)			

VIO35-3 (With Quick Coupler)

LIFT POINT HEIGHT h:ft-in (mm)	r:LIFT RADIUS ft-in (mm)				r:LIFT RADIUS ft-in (mm)				r:LIFT RADIUS ft-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	11'6" (3500)	9'10" (3000)	8'3" (2500)	MAX	11'6" (3500)	9'10" (3000)	8'3" (2500)	MAX	11'6" (3500)	9'10" (3000)	8'3" (2500)
9'10"(3000)	*1544(700)	*1532(695)	*1532(695)		1114(505)	1312(595)	*1532(695)		981(445)	1147(520)	*1532(695)	
6'7"(2000)	*1621(735)	*1819(825)	*1985(900)	*2370(1075)	904(410)	1279(580)	1632(740)	*2293(1040)	805(365)	1114(505)	1411(640)	1808(820)
3'3"(1000)	*1720(780)	*2128(965)	*2580(1170)	*3352(1520)	849(385)	1235(560)	1499(680)	1995(905)	739(335)	1047(475)	1312(595)	1709(775)
Ground(0)	*1742(790)	*2293(1040)	*2867(1300)	*3638(1650)	904(410)	1169(530)	1477(670)	1907(865)	783(355)	1036(470)	1279(580)	1643(745)
-3'3"(-1000)	*1775(805)	*2062(935)	*2503(1135)	*3241(1470)	1080(490)	1147(520)	1466(665)	1896(860)	915(415)	981(445)	1235(560)	1632(740)
-4'11"(-1500)	*1720(780)		*2105(955)	*2569(1165)	1312(595)		1499(680)	1962(890)	1147(520)		1301(590)	1676(760)
-6'7"(-2000)	*1643(745)				*1643(745)				1400(635)			

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
- Suspension and reclining seat
- Seat belt
- Rubber or steel crawler tracks
- ROPS/FOPS cabin or canopy
- Windshield washer (cabin spec)
- Defroster (cabin spec)
- 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 supplied with a specific Excavator could 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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