



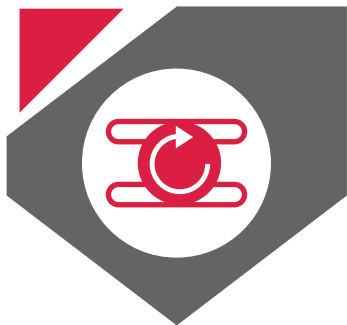
YANMAR

MINI-EXCAVATOR

ViO57U

5325/5395 kg





> COMPACTNESS

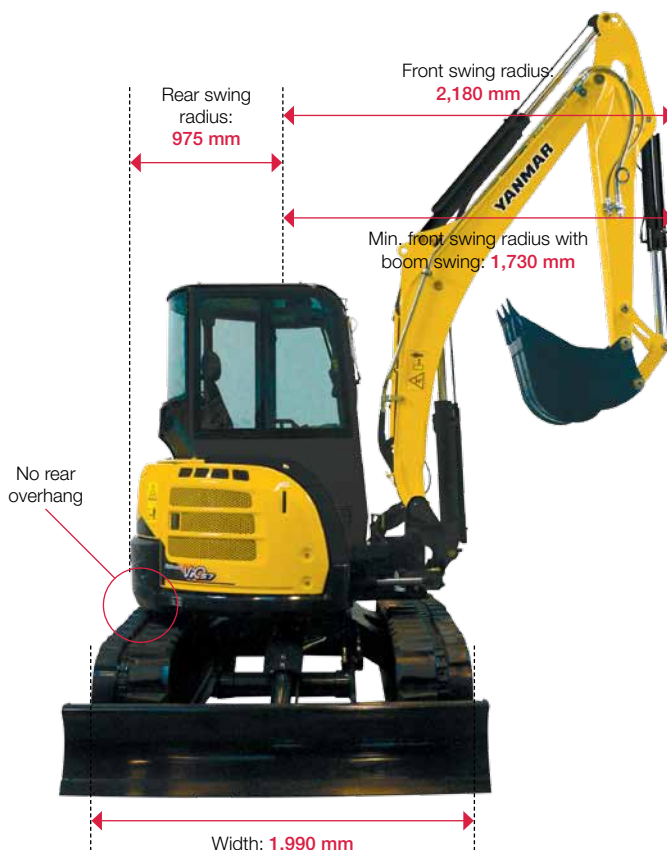
ViO57U

The ViO57U is a true Zero Tail Swing machine: neither the counterweight nor the front part of the upper frame exceed the width of the crawlers.

Design principles:

The ViO57U is the ideal compromise between exceptional performances, versatility, reduced consumption and durability. With Yanmar's original true Zero Tail Swing, it is the perfect solution to help you work efficiently.

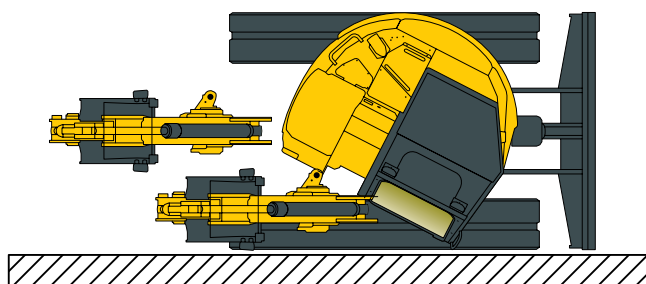
- > No rear overhang.
- > Front swing radius with boom swing: 1,730 mm.
- > Rear swing radius: 975 mm.
- > Overall width of the machine reduced to 1,990 mm.
- > Boom less bent than in earlier versions to make it easier to reach over a truck, thereby improving productivity during unloading operations.
- > The three models of the ViO57U can be fitted in option with a long arm (+ 330 mm).



Even the boom swing bracket stays within the machine width

With the front end designed not to stick out beyond the track, the ViO57U offers extraordinarily tight turning. You can work confidently and efficiently in narrow places and operate smoothly at more work site.

No overhang.



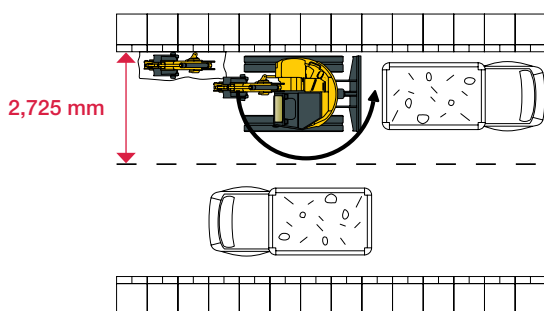
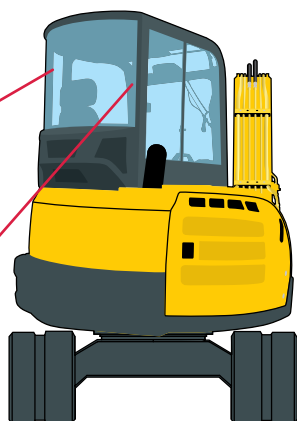
Excellent front turning too.





Field of view
conventional
machine

View ViO57U



Particularly well suited to work in urban areas: no requirement to block traffic in both directions.

Rear blind spot reduced to a minimum:
optimum visibility around the machine

- > Wide windows for perfect all around visibility.
- > The front field of vision is also excellent and the front glass slides up and down for better communication with others on the outside.



Advantages for the user: power and productivity

- > Possibility to work in narrow areas, where a conventional machine is not able to work.
- > Possibility to work closer to walls.
- > No dead angle in the upper structure: maximum all-around visibility.
- > Safety and productivity for the operator.
- > Excellent digging forces for this size of excavators.



> HIGH PERFORMANCE

ViO57U

Combining long experience and unrivalled expertise, YANMAR's technology ensures environmental performance and high efficiency.

Exceptional stability and lifting strength



The combination of a wide counterweight, asymmetric crawlers (system patented by Yanmar VICTAS®), and excellent weight distribution provide the ViO57U with an impressive level of stability and exceptional lifting capacities.

The VICTAS® system consists in increasing the bearing surface by increasing the track path and using asymmetric crawlers:

- > Increased lateral stability and lifting capacity.
- > Reduced track wear.
- > Quiet, vibration free movement.



Hydraulic PTO plumbing, supplied as standard equipment, for working with a variety of attachments.

- > Extension of the 3rd circuit with 2 additional valves which isolate the bucket cylinder for the use of clamshell buckets or other attachments.



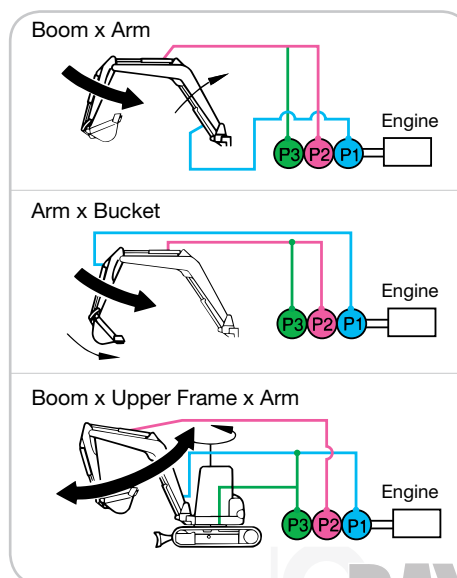
- > The 3rd circuit of the hydraulic system is proportional and offers two levels of regulation of the flow thanks to the second potentiometer in standard on the electric command.
- > A 4th hydraulic circuit is available in standard on the ViO57U VIP (as an option on the ViO57U Light and ViO57U Standard).

« VIPPS® » hydraulic circuit (ViO Progressive 3 Pumps System):



Hydraulic circuit fitted with a variable-flow dual piston pump, a gear pump and a multiple combination directional control valve:

- > Increased working speed due to the cumulative pump capacities.
- > Smooth, simultaneous operation of all functions, even when travelling.





> Perfect combination of the Yanmar engine and the hydraulic system for reduced fuel consumption.

A high-power, eco-friendly engine meeting EC emissions regulations



The YANMAR TNV direct injection diesel engine was built for clean emissions and powerful output. With its improved fuel injection system, it meets EC (European Commission) emissions regulations and US Environmental Protection Agency (EPA) emissions regulations. Its quiet operation makes it both people- and planet-friendly.

- > Reduced emissions for an even cleaner engine.
- > Noise reduction for an even quieter engine.
- > Improved starting (warms up faster).

World class original technology from YANMAR

YANMAR has been the world's leading manufacturer of diesel engines since it developed the world's first small diesel engine. Based on original technology developed for more than 100 years, we have studied the improvement of thermal efficiency and cleaner exhaust gases, and have pursued highly efficient, low emission power sources.



- > The blade of the ViO57U has been put forward by 20 cm in order to improve the performance while levelling the ground.
- > The blade lever is hydraulic.

Additional counterweight

An additional counterweight of 220 kg is available in option on the ViO57U Standard and in standard on the ViO57U VIP.

- > Increased lifting strength.
- > Higher stability when using heavy accessories.





COMFORT

ViO57U

Brimming with comfort and ease of use, the ViO57U is a perfect fit from the operator's vantage point.

Large-sized machine for unrestricted operation

- > Even if it is a Zero Tail Swing machine, the ViO57U benefits from a very wide cabin for this weight class, which provides easy, unrestricted operating space.



Joysticks + adjustable arm rests

- > Non-tiring joysticks are easy to grasp, and arm rests can be adjusted to meet the operator's preferences and work posture, so that even delicate control and long hours of operation are comfortable.



Standard pneumatic suspension seat*

The ViO57U Standard and VIP are equipped with a very comfortable pneumatic seat which adjusts itself to the operator's weight and position. This improves the driver's work position and his comfort, while reducing shocks and vibrations.

- > Seat with retractable seat-belt.

* Not available on the ViO57 Light





Powerful automatic air conditioner*

The 5 distribution units are located to ensure not only the driver's heating but also a perfect defrosting of the side and front windows.

* Available in standard on the ViO57U Standard and ViO57U VIP



> Travel pedals and foldable footrests for ample legroom.



> Standard electric refueling pump.
(Not available on the ViO57U Light)



> The ViO57U Standard and ViO57U VIP are fitted in standard with radio equipped with a USB plug.

Other equipment: document box, cup holder, 12 V power socket...



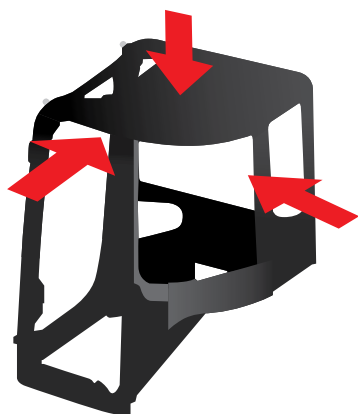


SECURITY & RELIABILITY

ViO57U

ISO-conforming cabin with sharply enhanced rigidity for safety and confidence

The cabin's use of a high-strength, high-rigidity ROPS enhances protects operator space in the event of a rollover. It also conforms to the FOPS 1 standard for structures protecting the operator from falling objects. This sturdy cabin lets you work in comfort and confidence.



ROPS

Roll Over
Protective
Structure
ISO 3471

FOPS 1

Falling Object
Protective
Structure
ISO 10262-2 / Level 1

> In raised position, the lock lever includes engine neutral start mechanism to prevent danger of accidental operation.



> Standard back mirror lets operator check for safety behind the machine and keeps others safe.



> A work lamp built into the lower part of the boom, where it is protected from breaking, comes as standard. With wide angle front visibility secure, you can work with confidence at evening.



Other enhancing equipment: fixing points on track frame and blade to facilitate transportation, evacuation hammer, large hand grips...

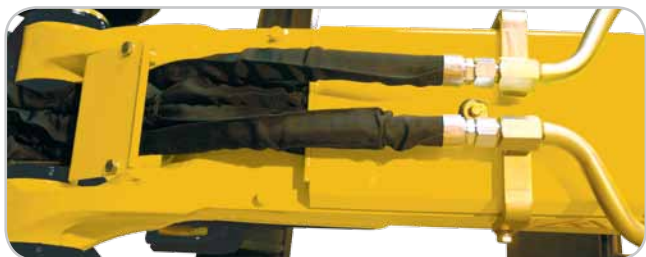


> MAINTENANCE

ViO57U



Simple maintenance structure for fast and easy access wherever it's needed.



> Careful routing and protection of the hydraulic pipes on the boom and on the right side of the machine under the step. You can remove the step to access the sockets and change the equipment pipes.

> Easy access to all maintenance points: engine components, filters, pressure plugs, hydraulic pumps...



> Cylinders completely protected (rod and cylinder) by highly elastic steel plates to resist any possible shocks.



> Layout of the counterweight designed to protect the side panels against any possible shocks. Additional moulded parts at the left and right outer corners of the upper frame, improving shock resistance.



TECHNICAL SPECIFICATIONS

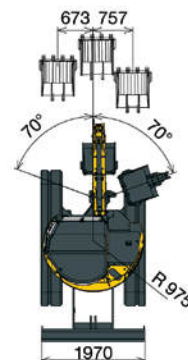
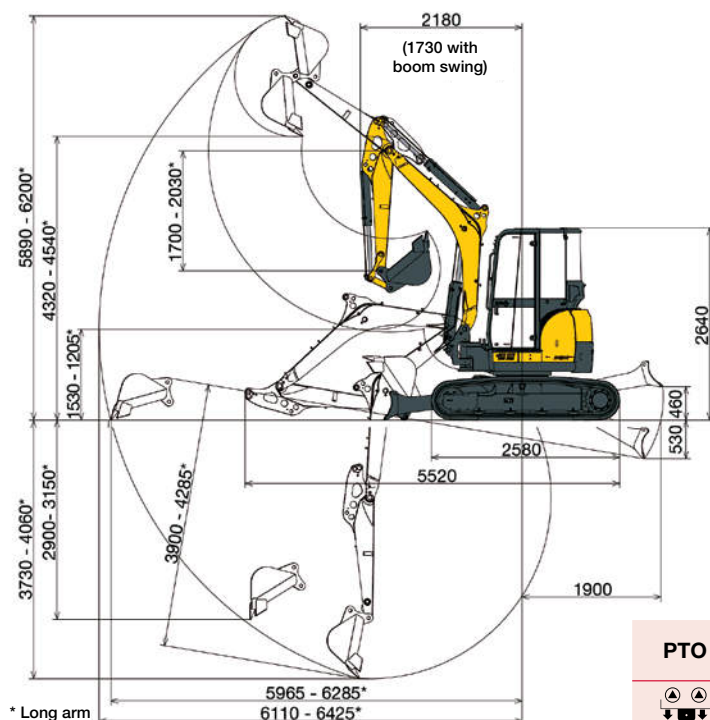
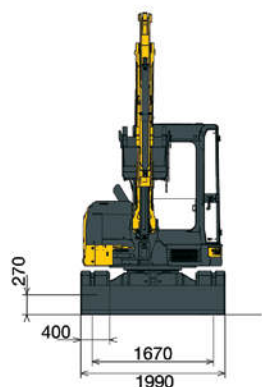
ViO57U Standard

Operating weight +-2% (EC Norms):

> 5,325/5,395 kg (rubber crawlers/
steel crawlers)

Transport weight +-2% (EC Norms):

> 5,250/5,320 kg (rubber crawlers/
steel crawlers)



Subject to any technical modifications. Dimensions given in mm with standard Yanmar bucket.

PTO	Theoretical data at 2400 rpm	
	Pressure	Oil flow
	0 ~ 250 bar	81 ~ 52 l/mn
	0 ~ 250 bar	81 ~ 52 l/mn

		ViO57U
4-cylinder Yanmar engine	Type	4TNV88-BXBVA
	Rated Output	29.5 kW / 40.1 HP / 2400 rpm
	Displacement	2,189 cm³
	Max. torque	141 N.m. / 1200 rpm
Hydraulic circuit	System capacity	64 l
	Max. pressure	250 bar
	2 variable flow dual piston pump	2 x 40.3 l/mn
	1 gear pump	1 x 40.3 l/mn
Performances	Travelling speed	2.3 / 4.4 km/h
	Swing speed	10 rpm
	Digging force (arm)	2500 kgf
	Digging force (bucket)	4300 kgf
	Grade ability	30°
Undercarriage	Ground pressure	0.295 / 0.300 kg/cm²
	Shoe width	400 mm
	Ground clearance	270 mm
	Blade (width x height)	1,970 x 400 mm
Miscellaneous	Fuel tank	67 l
	Cooling system	6.7 l
	Transport dimensions (L x w x h)	5,520 x 1,990 x 2,640 mm
	Noise level LwA (2000/14/CE & 2005/88/EC)	82 dBA (LpA) 96 dBA (LwA)

Optional equipment		
	>	>
	Special paint	2 LED working lights on the front of the cabin
	Long arm (+330 mm)	1 LED working light at the back of the cabin
	Proportional 4 th hydraulic circuit	Beacon light with magnetic base
	Safety device on cylinders + Overloading warning device	Skal seat
	Anti-theft device (with key / with keyboard)	Skal coat for fabric seat
	GPS Tracker	Additional counterweight (+220 kg)
	Quick coupler on the 3 rd circuit	Central Greasing
	Line high pressure for hydraulic quick hitch	Standard, ditch cleaning and swivelling buckets
	Bio oil	Hydraulic quick hitch
		Hydraulic breaker

The data contained in these tables represent the lifting capacity in accordance with ISO standard 10567. They don't include the weight of the bucket and correspond to 75% of the maximum static tipping load or 87% of the hydraulic lifting power. Data marked * are the hydraulic limits of the lifting power.

⚠ • The output reduces as the pressure increases.

Machine with cabin, rubber crawlers, without bucket.

A: Overhang from rotational axis (m).

B: Height of hooking point (m).

C: Safe working load (kg).



Tipping load, rating over front



Tipping load, rating over side 90°

Blade on ground

A	Maxi		4.0		3.0		2.5		
B									
4.0	750	*860	*860	*860	-	-	-	-	C
3.0	570	*910	*870	*870	-	-	-	-	
2.0	490	*940	810	*1090	*1430	*1430	*1850	*1850	
1.0	460	*970	780	*1320	1250	*1970	1610	*2650	
0	480	*990	750	*1450	1190	*2190	1540	*2710	
-1.0	570	*1030	730	*1380	1150	*2050	1560	*2580	
-2.0	730	*960	-	-	-	-	1620	*1930	

Blade above ground

A	Maxi		4.0		3.0		2.5		
B									
4.0	730	*860	*860	*860	-	-	-	-	C
3.0	560	580	*870	*850	-	-	-	-	
2.0	480	510	800	830	*1430	*1430	*1850	*1850	
1.0	450	480	760	800	1220	1280	1600	1750	
0	470	510	740	780	1170	1230	1520	1650	
-1.0	540	580	700	750	1140	1190	1540	1680	
-2.0	720	790	-	-	-	-	1600	1700	

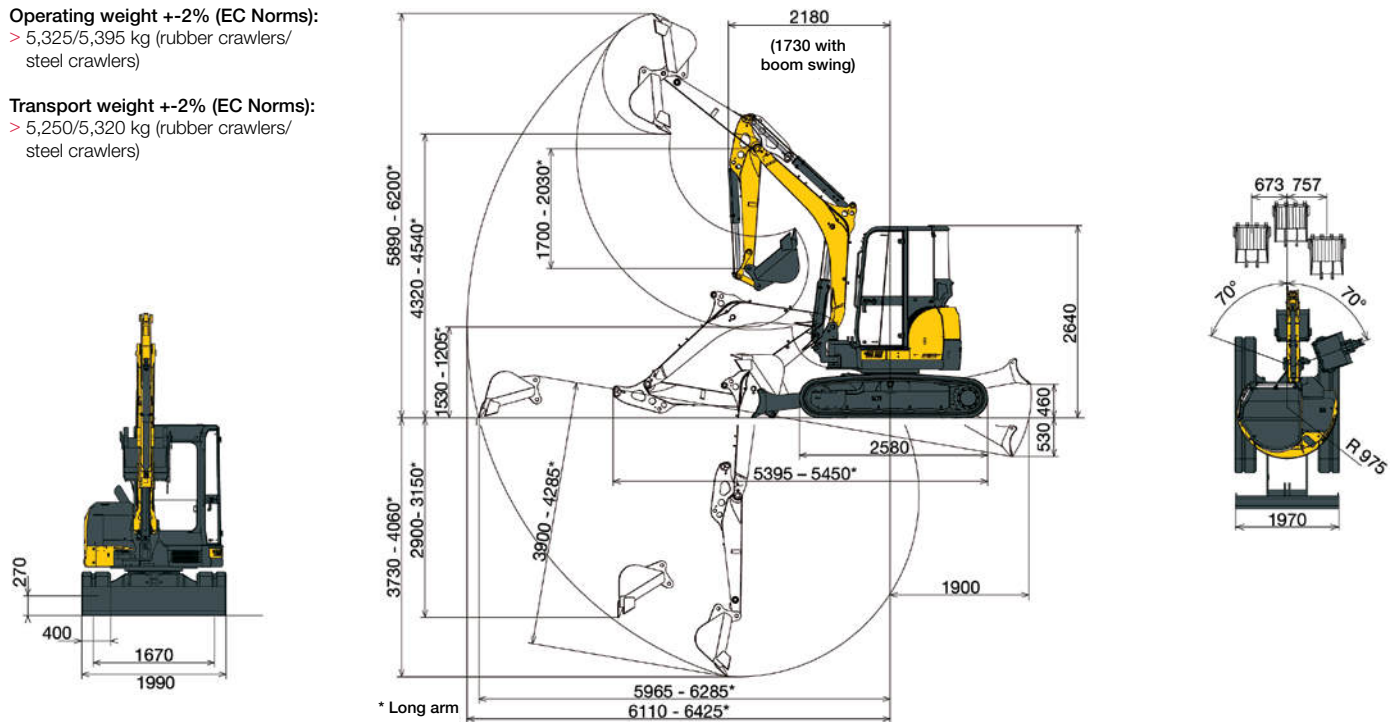
ViO57U LIGHT

Operating weight +-2% (EC Norms):

> 5,325/5,395 kg (rubber crawlers/
steel crawlers)

Transport weight +-2% (EC Norms):

> 5,250/5,320 kg (rubber crawlers/
steel crawlers)



Standard equipment	> Proportional 3rd hydraulic circuit line > Comfort seat > PTO with proportional control	Optional equipment	> Long arm (+ 330 mm) > 4th hydraulic circuit with proportional command > Line high pressure for hydraulic quick hitch > Safety device cylinders + Overloading warning device > Quick coupler on the 3rd circuit > Anti-theft device (with key / with keyboard) > GPS Tracker > Bio oil	> 2 LED working lights on the front of the cabin > 1 LED working light on the back of the cabin + 1 LED flashing rotary fixed on cabin > Beacon light with magnetic base > Central greasing > Hydraulic quick hitch > Hydraulic breaker
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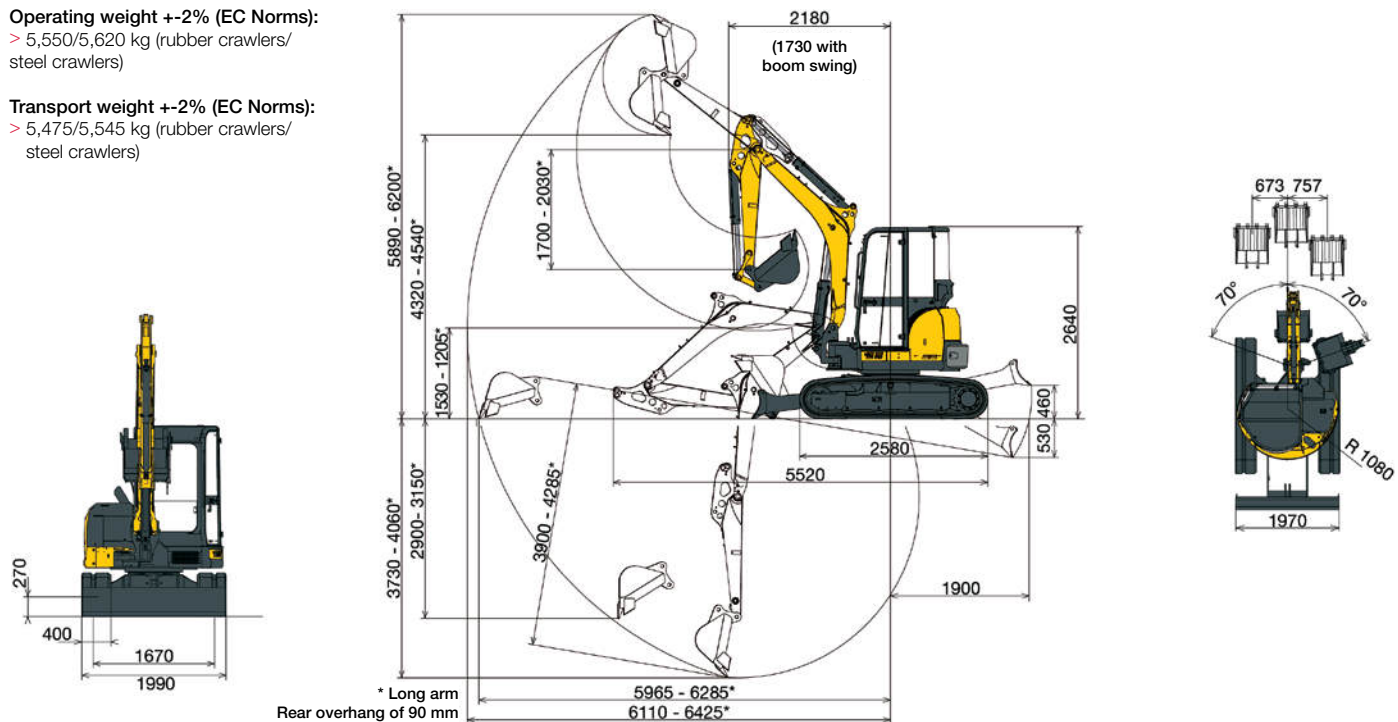
ViO57U VIP

Operating weight +-2% (EC Norms):

> 5,550/5,620 kg (rubber crawlers/
steel crawlers)

Transport weight +-2% (EC Norms):

> 5,475/5,545 kg (rubber crawlers/
steel crawlers)



Standard equipment	> Air conditioning > Proportional 3rd hydraulic circuit line to arm end > Proportional 4th hydraulic circuit > Safety device on cylinders + Overloading warning device > Comfort seat with pneumatic suspension	> PTO with proportional control > Electric refuelling pump > Additionnal counterweight > 2 additional working lights on the front of the cabin > Radio with USB key	Optional equipment	> Long dipper arm (+330 mm) > Anti-theft device (with key / with keyboard) > GPS tracker > Quick coupler on the 3rd circuit > Bio oil > 1 LED working light on the back of the cabin + 1 LED flashing rotary fixed on cabin	> Beacon light with magnetic base > Central greasing > Hydraulic quick hitch > Hydraulic breaker
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Printed in France – Materials and specifications are subject to change from the manufacturer without notice – Please contact your local Yanmar Construction Equipment Europe dealer for further information.

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