



AMMANN-YANMAR SAS

25, rue de la Tambourine - F-52100 SAINT DIZIER

sales@ammann-yanmar.fr

www.ammann-yanmar.com



Venus Studio - Printed in France - Materials and specifications are subject to change from the manufacturer without notice. Please contact your local Ammann-Yanmar dealer for further information.



B25V

Mini-excavator



YANMAR

B25V

Operating weight : 2790/2690 kg

Arm digging force : 1450 kgf

Bucket digging force : 2040 kgf

***Yanmar, your
to build t***



Mini-excavator



*best partner
for the future*



B25V

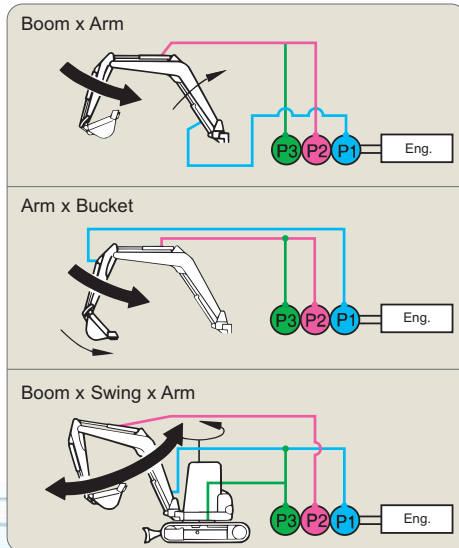


**AMMANN
YANMAR**

Performance

Hydraulic circuit "VIPPS®" (ViO Progressive 3 Pumps System)

- Hydraulic circuit using a variable flow double-piston pump, a gear pump and a multiple combination control valve.
- Oil flow from all pumps on demand for a higher work speed.
- Powerful and simultaneous operations, even during travel.



B25V

Yanmar, your to build t



Working equipment

- Standard auxiliary circuit (PTO) until arm end.
- Stop valve for direct return to the tank.
- Pedal lock for use with manual hydraulic tools.
- Cylinder protection on boom.



Mini-excavator



*best partner
for the future*

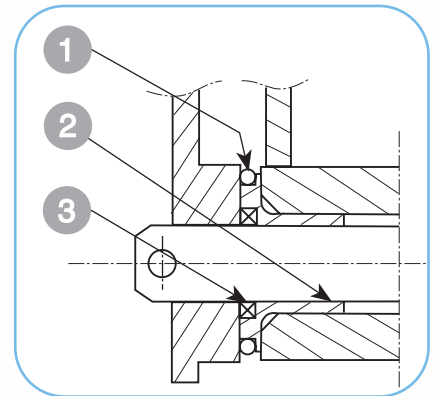
Reliability

Robust undercarriage

- Long undercarriage for higher lateral stability.
- Better side stability due to the use of double lateral rollers and asymmetric crawlers.
- 2 hydraulic piston travel motors in the undercarriage with integrated parking brake.



- 1 - O-ring
- 2 - Flange bush
- 3 - Dust seal



Counterweights

- Large cast iron counterweights :
 - excellent protection against shocks ;
 - contribution to the balance of the machine.



Various protections

- Central guiding of flexible hoses at the base of the upper carriage.
- Flexible hoses protected against abrasion by external covers.
- Bucket play prevented by flanged bush and dust seal.
- Dipper and boom equipped with pins and bushes.



*best partner
for the future*



Comfort and safety

Asymmetric crawlers (patented VICTAS® System)

- Increased foot print without the increase of machine width.
- Higher sideward stability and higher lift capacity.
- Noise and vibration free travel.
- Less ground damage.
- Less track wear.



Safety

- Shock absorber on boom and swing cylinders, and on swing and travelling motors.
- Return valve on boom cylinder to avoid oil leakage.

Productivity and efficiency

A new-generation Yanmar "TNV" (Totally New Value) engine

- Improvement and modernisation of TNE series, which is already well-known for its "clean and quiet" profile :
 - reduced emissions for an even cleaner engine ;
 - noise reduction for an even quieter engine ;
 - improved starting (warms up faster).
- The new TNV series exceeds the most stringent emissions standards.



Ergonomic and wide operating position

- Well organized pilot system : joysticks, armrests and travelling levers equipped with pedals.
- Luxurious adjustable operators seat with headrest (forward and aft adjustment, backrest inclination adjustment, and weight adjustment).
- Canopy and cabin fully compliant to safety norms : ROPS (Roll Over Protective Structure), FOPS 1 (Falling Object Protective Structure) and TOPS (Tip-Over Protective Structure).
- Large safety lever on access to operating position : locks working movements and travel (in raised position).

Cabin version

- Windscreen in 2 parts, stored overhead. Sliding side windows.
- Wide access to the operating position.
- Modern and convenient console.
- Defroster, heater, ventilation, inside lighting, windscreen washer.



d accessibility

Higher productivity for the operator

- Separated pedals for 3rd circuit and boom swing + forward and backward travelling possible with feet : possibility to combine various working movements and travelling.
- Pedals fitted with robust protections on pedal guards acting as footrests.
- Second speed.

Easy access to maintenance points

- Quick access to control valve.
- Large rear bonnet allowing access to all engine components and hydraulic pumps.



TECHNICAL SPEC

Engine

Yanmar Diesel 3 cylinders	3TNV82A-VB1A
Rated Output (DIN 6270B)	15.3 kw/20.8 HP/2100 rpm
Displacement	1330 cm ³
Max. torque	82.4 N.m./1260 rpm

Hydraulic circuit

System capacity	76 l
Max. pressure	185 bar
Variable flow dual piston pump	2 x 30.6 l/mn
1 gear pump	1 x 25.6 l/mn

Performances

Travelling speed*	4.5/2.5 km/h	Grade ability	30°
Swing speed	10 rpm	Shoe width	260 mm
Digging force (arm/bucket)	1450/2040 kgf	Ground clearance	320 mm
Boom swing (L/R)	50°/90°	Blade (width x height)	1450 x 280 mm
Ground pressure**	0.28/0.29 kg/cm ²		

* rubber crawlers
** canopy/cabin



Miscellaneous

Fuel tank	29 l
Cooling system	4.6 l
Transport dimensions (L x w x h)	4285 x 1468 x 2410 mm
Noise Level LwA (2000/14/EC & 2005/88/EC)	93 dBA



Optional equipment

Special paint	Arm extension (+ 500 mm)
Bio Oil	Safety device for loading
Long dipper arm (+ 300 mm)	Anti-theft device

PTO	Theoretical data	
	Pressure	A 2100 rpm
	185 bar	56.3 l/mn
	185 bar	56.3 l/mn



- The output reduces as the pressure increases.



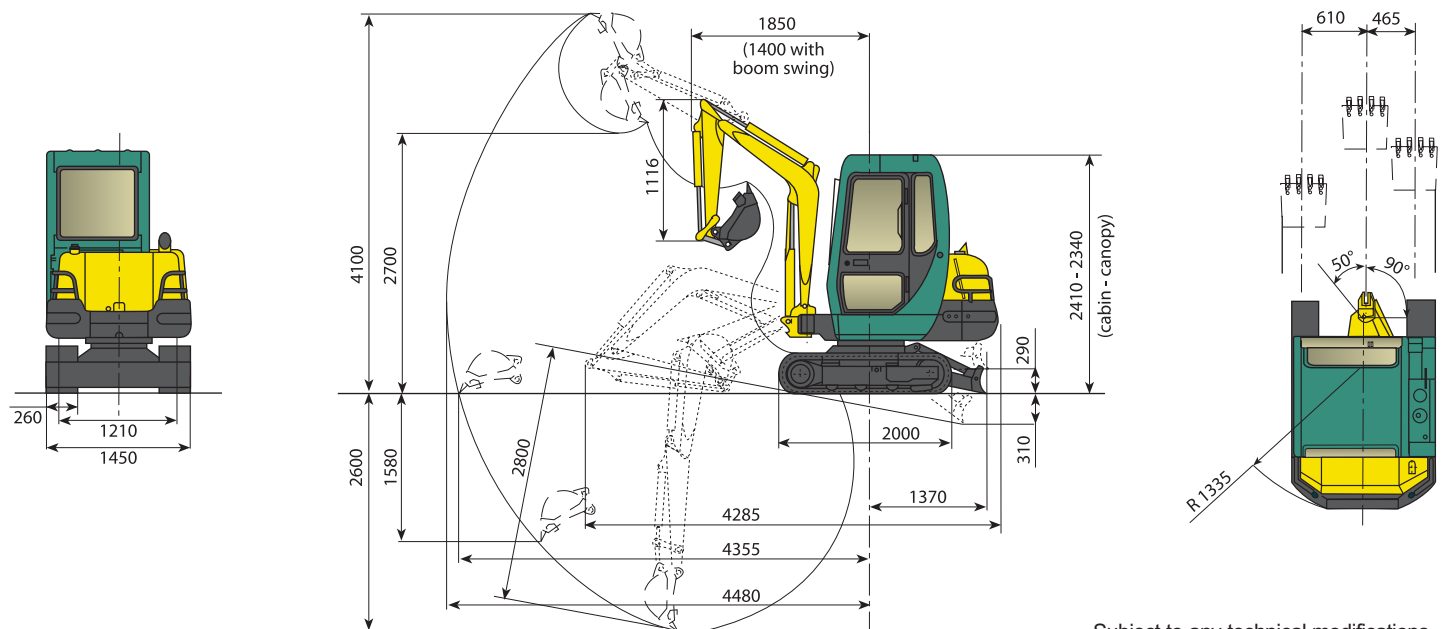
IFICATIONS



Operating weight +2% :

2790/2690 kg (rubber crawlers)

2870/2770 kg (steel crawlers)



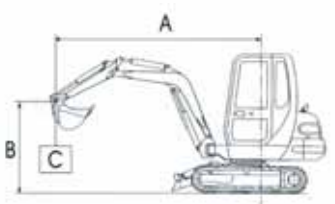
Subject to any technical modifications.
Dimensions given in mm with standard Yanmar bucket.

Blade on ground

A	Maxi		3.0 m		2.5 m		2.0 m		
B									
3.0	*450	*450	-	-	-	-	-	-	C
2.5	*450	*450	*450	*450	-	-	-	-	
2.0	*450	*450	*480	*480	*510	*510	-	-	
1.0	375	*480	*590	*590	*760	*760	*1080	*1080	
0	385	*510	515	*690	670	*930	910	*1200	
- 1.0	*530	*530	-	-	650	*760	*1010	*1010	
- 1.5	*500	*500	-	-	-	-	*745	*745	

Machine with cabin, rubber crawlers, bucket of 78 kg (400 mm).

- A : Overhang from rotational axis (m).
- B : Height of hooking point (m).
- C : Safe working load (kg).
(- 4% with canopy).



Blade above ground

A	Maxi		3.0 m		2.5 m		2.0 m		
B									
3.0	*450	*450	-	-	-	-	-	-	C
2.5	*450	*450	*450	*450	-	-	-	-	
2.0	*450	*450	*480	*480	*510	*510	-	-	
1.0	370	*480	*590	*590	*760	*760	*1080	*1080	
0	380	*510	510	*690	665	*930	905	*1200	
- 1.0	*530	*530	-	-	645	*760	*1010	*1010	
- 1.5	*500	*500	-	-	-	-	*745	*745	

Tipping load, rating over front

Tipping load, rating over side 90°

The data contained in these tables represent the lifting capacity in accordance with ISO standard 10567. They 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.