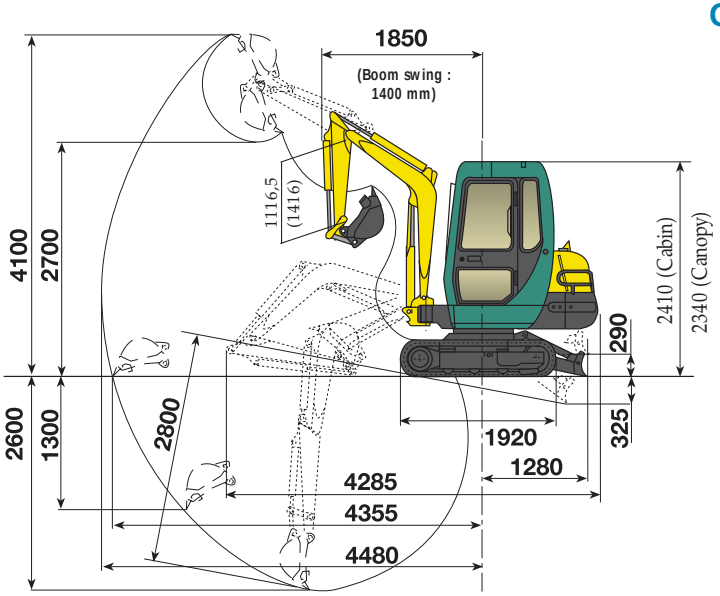
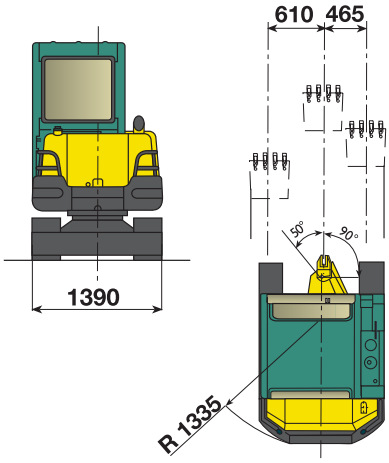
SPECIFICATIONS B25V

Operating weight (cabin/canopy) :

2790/2690 Kg* (Rubber crawlers)
2870/2770 Kg* (Steel crawlers)

** ± 2% tolerance*

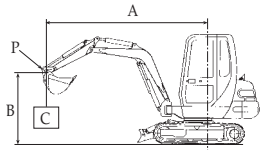




The manufacturer reserves the right to alter vehicle specifications. Dimensions in mm given with standard Yanmar bucket.
Dimensions with long arm : +300 mm.

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

A : Reach from swing center line (m)
B : Load point height (m)
C : Rated lift capacity (kg).
(- 4 % with canopy)



Blade on ground									
A	Maxi		3,0 m		2,5 m		2,0 m		
B									
3,0	*440	*440	-	-	-	-	-	-	C
2,5	*440	*440	*410	*410	-	-	-	-	
2,0	*440	*440	*440	*440	*480	*480	-	-	
1,0	360	*460	*570	*570	*750	*750	*1060	*1060	
0	380	*490	490	*640	640	*820	890	*1150	
-1,0	*490	*500	-	-	*700	*700	*970	*970	
-1,5	*450	*450	-	-	*470	*470	*700	*700	

: Rating over front

: Rating over side 180°

Blade above ground									
A	Maxi		3,0 m		2,5 m		2,0 m		
B									
3,0	*440	*440	-	-	-	-	-	-	C
2,5	*440	*440	*410	*410	-	-	-	-	
2,0	*440	*440	*440	*440	*480	*480	-	-	
1,0	360	*460	*570	*570	640	*750	*1060	*1060	
0	380	*490	490	*640	640	*820	890	*1150	
-1,0	*490	*500	-	-	*700	*700	*970	*970	
-1,5	*450	*450	-	-	*470	*470	*700	*700	

The lifted loads listed is RATED LIFT CAPACITY complies with ISO 10567.
Smaller values are of either the RATED TIPPING LOAD (75% of the static tipping load) or the RATED HYDRAULIC LIFT CAPACITY (87% of hydraulic capacity).
The asterisked value * shows the rated hydraulic lift capacity.

Engine

Yanmar Diesel 3 cylinders 3TNE78A-B1A
Rated output (DIN 6270B) ..... 14 kw/19,1 HP/2100 rpm
Displacement ..... 1204 cm^3
Max. torque ..... 73,5 N.m./ 1600 rpm

Hydraulic circuit

Circuit capacity ..... 76 L
Max. pressure ..... 185 bar
2 variable plunger pumps ..... 2 x 30,6 L/mn
1 gear pump ..... 1 x 25,6 L/mn

Performances

Travelling speed ..... 4,5/2,5 km/h
Swing speed ..... 10 rpm
Digging force (arm/bucket) ..... 1450/2040 kgf
Boom swing ..... 50°/90°
Ground pressure** ..... 0,28/0,29 kg/cm^2
Gradeability ..... 30°
Crawler width ..... 300 mm
Ground clearance ..... 320 mm
Blade ..... 1390 x 254 mm

Various data

Fuel tank ..... 29 L
Cooling system ..... 4,6 L
Transport dimensions ..... 4285 x 1438 x 2410 mm
Noise level LWA (2000/14/EC)** ..... 96/96 dBA
LPA (89/514/EEC)** ..... 79/77 dBA

** *Canopy/Cabin*

PTO	Maxi theoretical data		
	bar	At 2100 rpm	At 1150 rpm
	185 bar	56,3 L/mn	30,8 L/mn
	185 bar	56,3 L/mn	30,8 L/mn

The flow is lower when the pressure is bigger.

AMMANN-YANMAR S.A.

25, Rue de la Tambourine
F-52100 ST-DIZIER

sales@ammann-yanmar.fr
www.ammann-yanmar.fr

01/2005 - Réf.: GBB25V1

AMMANN YANMAR

Compact machines

Mini-excavators YANMAR

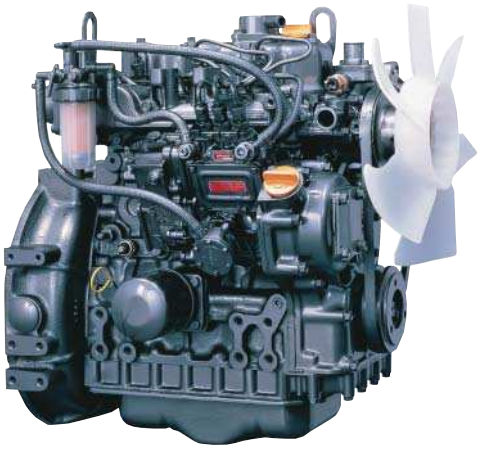
B25V (2790/2690 Kg)

with cabin or canopy

Courtesy of Machine.Market

PERFORMANCES

High level of performance for higher productivity on working areas.

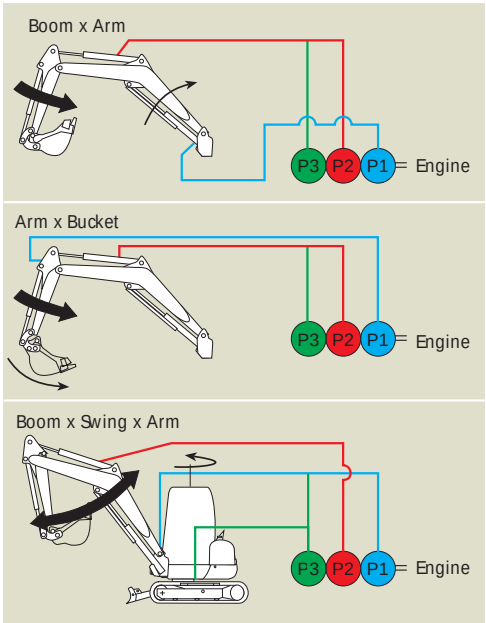


Yanmar TNE Engine, with direct injection :

- Environment friendly : fully compliant to 97/68/EC european norm and EPA american norms.
- Low speed - increased life.
- Easy access to main components.
- Heavy duty battery.

Power and productivity :

- VIPPS hydraulic circuit (Vio Progressiv 3 Pump System) utilising a variable flow double piston pump, a gear pump and a multiple combination control valve :
  - combined flow from all pumps on demand for a higher work speed.
  - powerful and simultaneous operations, even during travel.



Use of a high performance engine and VIPPS technology : less noise, less fuel consumption, less pollution, less power consumption.

Working equipment :

- Auxiliary circuit with 2-way valve for use of various accessories : tilting ditch cleaning bucket,...
- Stop valve for direct return to the tank.
- Pedal lock for use with manual hydraulic tools.

Available as option : a long arm (+300 mm) or a removable arm extension (+500 mm).

2nd speed command

COMFORT AND SAFETY

Comfort and safety for the operator : an absolute priority on the Yanmar mini-excavators.

Ergonomic and wide operating position :

- Luxurious adjustable comfort seat in skaï (canopy version) or textile seat (cabin version) (forward adjustment, backrest adjustment and weight adjustment) with headrests.
- Well organised pilot system : joysticks, armrests and travelling levers equipped with pedals.
- Progressive hydraulic pilot system for smoothness and precision.
- Modern and convenient console.

Cabin :

- Windscreen in 2 parts, stored overhead. Sliding side windows.
- Easy access in the cabin : excellent width at the top and the bottom of the cabin.
- Defroster, heater, ventilation, inside lighting, windscreen washer,...

Optimum safety :

- Canopy and cabin FOPS1 and TOPS with safety belt. The cabin is also ROPS.
- Large safety levers (only one in the cabin version) on access to operating positions : locks working movements and travelling levers.
- Large surface with windows for superb all-round operator visibility.
- Shock absorber on boom cylinder, swing cylinder, swing and travelling motors.
- Return valve on boom cylinder to avoid oil leakage.

Separated pedals for 3rd circuit and boom swing fitted with robust protections on pedal guards acting as footrests.

Courtesy of Machine.Market

RELIABILITY AND ACCESSIBILITY

Robustness and accessibility to all components

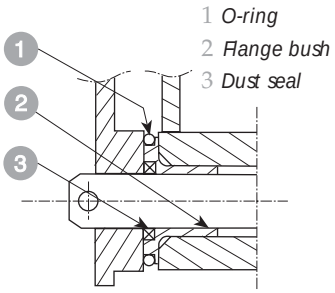
Robust undercarriage :

- Long undercarriage for higher lateral stability.
- Better side stability due to the use of double lateral rollers and asymetric crawlers.
- This «VICTAS» system brings additional advantages :
  - Better lifting capacity.
  - Less ground damage.
  - Less track wear.
  - Noise and vibration free travel.

- 2 hydraulic piston travel motors in the undercarriage with integrated parking brake.

Large cast iron counterweights :

- Excellent protection against shocks,
- Contribution to the balance of the machine.



- Bucket play prevented by flanged bush and dust seal.
- Dipper and boom equipped with pins and bushes.

Various protections :

- Central guiding of flexible hoses at the base of the upper carriage.
- Flexible hoses protected against abrasion by external covers.
- Cylinder protection on boom.

Easier maintenance :

- A large engine hood allows quick access for maintenance operations.