AMX 45

AMMANN AMX MINI EXCAVATOR WITH VARIABLE ANGLE BOOM



A UNIQUE CONCEPT IN ITS CLASS

The AMX 45 is the only machine in its class on the market that is equipped with a variable angle boom. This design increases the versatility and range of applications of the machine, thus also its productivity. The zero tail concept offers productivity and high-level performance, while the hydraulic systems guarantee power, precision and speed for all movements at the same time, by using the "Load-Sensing" and "Flow-Sharing" technology.

COMFORTABLE WORKING ENVIRONMENT

- The operator platform is spacious, ergonomic and well insulated to ensure optimum comfort, even during long working days.
- The wide accesses make it easy for the operator to get on and off the platform.
- Thanks to its width, the full-opening front windscreen provides maximum visibility.
- The ideal control (including the control of variable angle boom) is provided by joysticks for exceptional precision of movement.
- Control panel with digital display and interface for direct access to all machine settings.

APPLICATIONS

- Earthworks
- Roadworks
- Utility works
- Landscaping

THE EXTRAS THAT MAKE A DIFFERENCE

- The operator platform can be tilted for direct access to the main maintenance points to reduce downtime and maintenance costs.
- The generously dimensioned undercarriage and bonnet structure is made of durable steel to withstand any environment.
- Extremely durable welded structure.
- The latest generation engine with low fuel consumption (equipped with automatic accelerator) helps protect the environment.

STANDARD EQUIPMENT

- Kubota diesel engine D1803-CT R Stage V
- Tilting operator platform / tilting operator cab
- Rubber tracks
- AUX 1 for hydraulic hammer (PTO 1)
- 2 safety valves
- Flow sharing / load sensing hydraulic system
- Four-post canopy or enclosed cab
- Additional counterweight (+280 kg / 115 mm)

OPTIONAL EQUIPMENT

- All types of (mechanical or hydraulic) quick connect fittings and buckets
- Anti-theft system
- Additional working lights
- Long dipper
- Radio
- Customisable paint
- 3 safety valves
- Beacon
- Ground-level fuel filler pump
- AUX 2 & 3 (PTO 2 & 3)
- Air-conditioning
- Panolin biodegradable hydraulic oil
- Additional counterweight (+420 kg / 140 mm)

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TECHNICAL FEATURES

AMMANN AMX 45 MINI EXCAVATOR WITH VARIABLE ANGLE BOOM

GENERAL

Operating weight with foldable protective bracket or canopy and rubber tracks	4450 kg
Operating weight with cab and rubber tracks	4600 kg
Travel speed (slow/fast range)	0 to 2.5 km/h / 0 to 4.6 km/h
Turret rotation speed	10.5 t/min
Type of equipment	Articulated (variable angle boom) + boom foot steering
Replaceable pins and bushings / boom foot and bucket links in cast steel	Yes / Yes
Tilting operator platform	Yes

DIMENSIONS

Maximum width	1750 mm
Total height	2510 mm
Rotation radius	975 mm
Standard dipper length (long dipper available as an option)	1400 (1650) mm
Rubber track width	350 mm
Rubber track undercarriage: number of rollers (on each side)	5/1

ENGINE

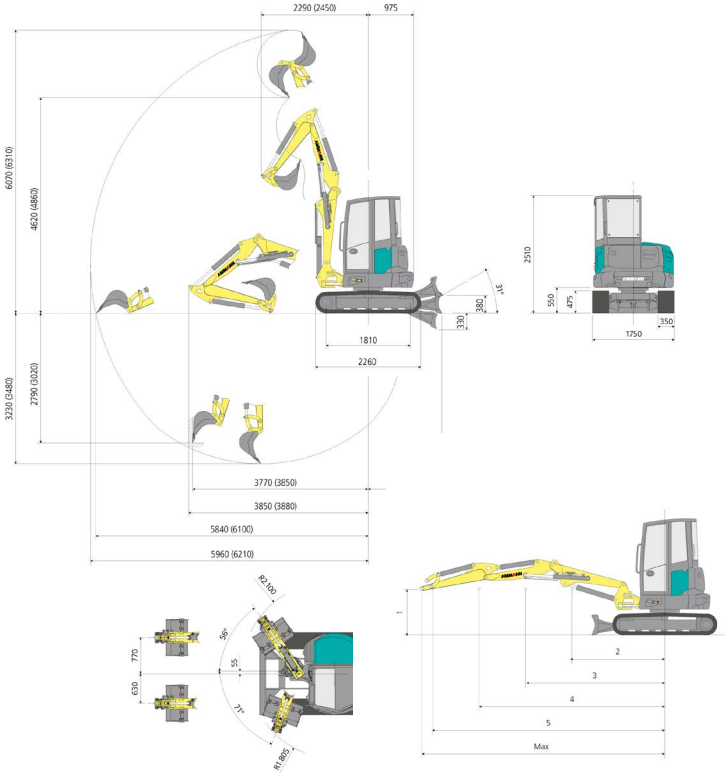
Manufacturer / Type	Kubota D1803-CT R
Fuel	Diesel
Emission stage	Stage V
Maximum power (2300 rpm)	32.3 kW | 43.9 hp
Cylinder capacity	1826 cm^3
Number of cylinders	3
Turbo	Yes
Cooling	Liquid
Consumption	5.4 l/h
Alternator	12 V (60 A)
Battery	12 V (75 A)

HYDRAULIC SYSTEM

Hydraulic circuit technology	Automatic flow distributor
Main hydraulic pump type	Variable displacement + gears
Pump displacement	53 + 11 cm^3
Pump flow rate	115 + 24 l/min
Maximum hydraulic pressure	280 bar
Maximum flow rate of AUX 1 or PTO 1 auxiliary line(s) (AUX 2 and AUX 3 if installed)	60 | 40 | 30 l/min
Maximum pressure of AUX 1 or PTO 1 auxiliary line(s) (AUX 2 and AUX 3 if installed)	200 | 200 | 280 bar

PERFORMANCE

Maximum digging depth with standard dipper length (long dipper available as an option)	3230 (3480) mm
Maximum dump height with standard dipper length (long dipper available as an option)	4620 (4860) mm
Maximum dump height with cab and standard dipper length (long dipper available as an option)	4621 (4860) mm
Tooth force (standard dipper) ISO 6015	4300 daN
Dipper force (standard dipper) ISO 6015	2200 daN
Traction force	4260 daN
Ground pressure with canopy (with cab)	0.32 (0.33) kg/cm^2



LIFTING CAPACITY

Arm reach measured from the centre of rotation (m).
Calculated lifting capacity (kg) at 1.0m height above ground.

	2	3	4	5	Max.
Frontal with blade lowered down	*2220	*1170	*1040	*930	*860
Frontal with blade raised	*2220	*1170	770	520	480
Lateral, undercarriage	1580	870	560	370	340

The lifting capacity is based on the ISO 10567 standard and does not exceed 75% of the static load at the tipping point or 87% of the hydraulic lifting capacity of the machine.

* Indicates the hydraulic load limit.

CAPACITIES / VOLUMES

Fuel tank	60 l
Hydraulic oil tank	50 l
Hydraulic circuit capacity	65 l
Cooling system capacity	9 l
Engine oil	7 l

CONTROLS

Arm / dipper / bucket / turret rotation	2 joystick armrest controllers
Travel	2 control levers
Dozer blade	Control lever
Auxiliary circuit AUX 1 or PTO 1 (single or double acting)	Proportional controller (roller) on RH joystick
AUX 2 (PTO 2) control – if installed	Proportional controller (roller) on LH joystick
AUX 3 (PTO 3) control – if installed	Control via RH joystick
Machine steering	Proportional controller (roller) on LH joystick

Detailed information on products and services can be found on the website **www.ammann.com**

The machine and technical information are subject to change without notice.

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