ARX 23.1-2C

LIGHT TANDEM VIBRATORY ROLLER
EU Stage V / U.S. EPA Tier 4 final

WORKING AROUND OBSTRUCTIONS

The Ammann ARX 23.1-2C Tandem Roller is a great fit for the rental market and contractors looking for a low-maintenance machine with an intuitive dashboard and controls.
It is also a combination roller, with a drum in front and four pneumatic tyres in the rear. The combination feature provides a number of added benefits. The tyres provide a kneading effect, helpful on certain types of asphalt mixes and temperatures.
The roller utilises a Kubota / Yanmar engine that meets EU Stage V and U.S. EPA T4f emission standards.

APPLICATIONS

- Small and medium construction sites
- City roads
- Boardwalks
- City street repairs
- Road maintenance

PRODUCTIVITY

Electronic drive lever
Advanced drive control enables smooth starts and stops during machine operation.

Articulation joint with oscillation
Great manoeuvrability and constant contact with the surface are key factors in achieving high quality compaction.

Sprinkling system
Multi-level filtration system with large water tank for extended intervals between fillings.

ERGONOMICS

Operator platform design
Spacious operator platform with comfortable driver´s seat.

Simple & convenient operation control
Dashboard with clear display and intuitive machine control.

Exceptional operator visibility
Perfect all-around machine visibility to maximise safety on the jobsite.

SERVICEABILITY

Tool-free daily inspection
Quick and easy daily inspection.

Maintenance-free parts
Reduce time required for machine maintenance and prevent damage to components.

Service point locations
Service and regular maintenance points are quickly andreasily accessible.

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Sand / gravel	Mixed soils	Silt	Clay	Stabilisation	Asphalt
ARX 23.1-2C	220 mm (8.7 in)	150 mm (5.9 in)	–	–	100 mm (3.9 in)	80 mm (3.2 in)

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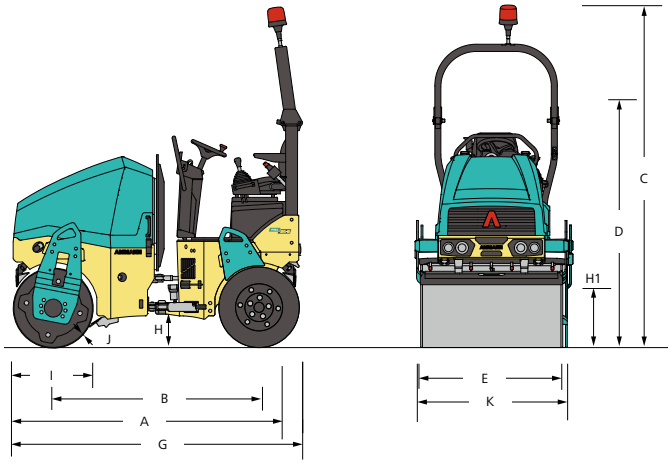
TECHNICAL SPECIFICATIONS
ARX 23.1-2C COMBINATION TANDEM ROLLER
EU Stage V / U.S. EPA Tier 4f

DIMENSIONS

A	MACHINE LENGTH	2500 mm (98.4 in)
B	WHEELBASE	1755 mm (69.1 in)
C	MACHINE HEIGHT	2550 mm (100.4 in)
D	MACHINE HEIGHT (FOLDED ROPS)	1935 mm (76.2 in)
E	DRUM WIDTH	1000 mm (39.4 in)
G	MACHINE LENGTH	2585 mm (101.8 in)
H	GROUND CLEARANCE	280 mm (11 in)
H1	SIDE CLEARANCE	490 mm (19.3 in)
I	DRUM DIAMETER	695 / 635 mm (27.4 / 25 in)
J	DRUM SHELL THICKNESS	13 mm (0.5 in)
K	MACHINE WIDTH (TOTAL)	1120 mm (44.1 in)



WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT CECE	2110 kg (4652 lb)
OPERATING WEIGHT MAX.	2310 kg (5093 lb)
STAT. LIN. LOAD	10.7 kg/cm (23.6 lb/in)
TURNING RADIUS INSIDE	2630 mm (103.5 in)
STEERING / OSCILLATING ANGLE	30/6.5 ±°

COMPACTION FORCES

AMPLITUDE I	0.5 mm (0.02 in)
AMPLITUDE II	0.5 mm (0.02 in)
FREQUENCY I	58 Hz (3480 vpm)
FREQUENCY II	66 Hz (3960 vpm)
CENTRIFUGAL FORCE I	31.4 kN (7059 lbf)
CENTRIFUGAL FORCE II	36.9 kN (8295 lbf)

ENGINE

ENGINE TYPE	**Kubota** D1703-M-DI	**Yanmar** 3TNV88F-EPAMM
EMMISSION CLASS	EU Stage V / U.S. EPA Tier 4 Final	
POWER OUTPUT ISO 3046	18.5 kW (24.8 HP)	
CYLINDER / LTR.	3 cyl / 1826 cm^3	
NOMINAL SPEED	2100 / 2400 rpm	
TRAVEL SPEED	10 km/h (6.2 MPH)	
GRADEABILITY WITH / WITHOUT VIBR.	25% / 30%	

MISCELLANEOUS

BATTERY / CAPACITY	12/77 V/Ah
WATER TANK	190 l (50.2 gal)
ANTI-ADHESIVE TANK	12 l (3.17 gal)
HYDRAULIC TANK	28.5 l (7.5 gal)
DIESEL FUEL TANK	35 l (9.2 gal)
WHEEL LOAD	280 kg (573 lb)
NUMBER OF WHEELS	4
TIRE SIZE	205 / 60-R15

STANDARD

- Front and rear drive / front vibration
- Pressurised pulse interval sprinkler system
- Anti-adhesive sprinkling circuit
- 2 working frequencies
- Control system with emergency stop
- Ammann Vibration Control
- Lateral sliding seat
- Hydraulic test ports
- Off-set into In-line drum setting
- Battery disconnection switch
- On-board diagnostics
- Front/rear rubber bumpers

OPTIONAL EQUIPMENT

- CE-kit with folding ROPS and working lights
- Road lights
- Infrared thermometer
- ACE[force]
- ATC - Ammann Traction Control
- Reverse alarm
- Additional working lights (ROPS mounted)
- Warning beacon
- Second drive-lever, left
- Arm rests
- Edge-cutter inc. Multi-function lever
- Scrapers tiltable
- Bio-degradable hydraulic oil
- Central lifting point
- Customer color
- Wheather canopy
- Servicelink

For additional product information and services please visit: **www.ammann.com**

Materials and specification data are subject to change without notice.

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