

ARX 90-2

ARTICULATED TANDEM ROLLER

EU STAGE V / U.S. EPA TIER 4 FINAL



APPLICATIONS

- Medium and large compaction sites
- Transport construction
- Municipal and town roads
- Housing developments
- Industrial zones
- City centers

PRODUCTIVITY

Variable compaction output
Two-stage vibratory system enables adjustment to the particular jobsite.

Smooth rolling

Advanced drive system prevents sudden starts and stops during machine operation.

ERGONOMICS

Platform and cab
Spacious and quiet, with 360° visibility.

Operator station

Provides high comfort and safety.

SERVICEABILITY

Minimized downtime

Heavy duty components and robust construction.

Reduced maintenance

Extended service intervals; easy-to-reach maintenance points.

SUSTAINABILITY

ECOdrop

Improved efficiency, reduced use of fluids.

Advanced technologies

Including monitoring and measuring systems, enhance efficiency, productivity, and enable precise documentation.

OPTIONAL EQUIPMENT

- Ammann Traction Control - ATC
- Cab ROPS
- Crab mode (Offset)
- Road lights (headlights, rearlights, turning signals, brake lights)
- A/C
- A/C without cooling medium
- Additional documentation printed
- Additional lights 360° LED
- Ammann Documentation Syst. ADS
- Ammann Documentation Syst. ADS RTK
- AmmannCare Silver
- AmmannCare Gold
- AmmannCare Platinum
- AmmannCare Diamond
- Back-up alarm
- Back-up alarm adaptive
- Certificate of origin
- Color scheme customer
- Compaction measuring system ACE^{force}
- Container shipment preparation
- Drums double unsplitted HF
- Edge cutter 45° (diagonal)
- Edge cutter 45° (front right)
- Edge cutter 45° (front right/front left)
- Engine automatic stop
- Fire extinguisher
- GPS Q-Compaction ACE
- GPS Q-Compaction Preparation
- GPS Q-Compaction Preparation ACE
- Hydraulic oil biodegradable
- Chip spreader linear
- Infrared thermometer
- Maintenance Kit 500h
- Maintenance Kit 1000h
- Maintenance Kit 2000h
- Oscillating drum - (double drum unsplitted HF)
- Oscillating drum - (double drum unsplitted)
- Radio DAB
- Rear view camera
- Registration plate holder incl. light
- eROPS
- Seat belt 3"
- Slow moving vehicle triangle
- Sprinkling system second antifreeze pump
- Sun films on cab glasses
- Sun visor
- Telematics Preparation
- Telematics ServiceLink Plus
- Telematics ServiceLink Pro
- Toolset
- Transport remote control
- Warning beacon green LED
- Warning beacon LED
- Water tank filling from ground

STANDARD EQUIPMENT

- 2 amplitudes / Multiple frequencies
- Ammann color design and decals
- Battery disconnection switch
- Centralized draining points
- Double drum version: Front and rear drive and vibration
- ECOdrop
- Electronic drive lever with intelligent functions
- FTS (Finger-Tip-Steering)
- Lockable articulation joint with Oscillation
- Multi-functional 10inch touchable display for machine control and overview
- On-board diagnostics
- Open platform with roof and ROPS
- Operator's station with one drive lever (RH)
- Pressure water sprinkling with interval switch, 3 stage filtration and 1 pump
- Slideable, 270° rotatable and horizontally adjustable driver's seat with armrests
- Standard hydraulic oil
- Tilttable scrapers
- Two non-split drums
- Additional mirrors rear
- CE conformity
- Telematics Readiness
- Working lights (front / rear) - LED

AMMANN

ARX 90-2

StV / T4f



WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT CECE	9 310 kg (20,525 lb)
OPERATING WEIGHT MAX.	10 710 kg (23,612 lb)
STATIC LINEAR LOAD AVG.	28 kg/cm (156.8 lb/in)
MAX. WORKING SPEED	11,5 km/h (7.1 MPH)
GRADEABILITY WITHOUT VIBRATION	30%
GRADEABILITY WITH VIBRATION	25%
TURNING RADIUS (INNER)	5 470 mm (215.4 in)
DRUM OFFSET	170 mm (6.7 in)

ENGINE

MANUFACTURER	Perkins
ENGINE TYPE	904J
ENGINE SPEED	2 400 rpm
POWER OUTPUT ISO 14396	90 kW / 121HP
EMISSION STAGE	EU Stage V / U.S. EPA Tier 4f
EXHAUST GAS AFTER-TREATMENT	EGR+DOC+DPF+SCR

COMPACTION FORCES

	ARX 90-2	ARX 90-2 HF
FREQUENCY I	37–42 Hz (2,220–2,520 vpm)	36–46 Hz (2,160–2,760 vpm)
FREQUENCY II	44–54 Hz (2,640–3,240 vpm)	57–67 Hz (3,420–4,020 vpm)
CENTRIFUGAL FORCE I	65–84 kN (14,613–18,884 lbf)	57–94 kN (12,814–21,132 lbf)
CENTRIFUGAL FORCE II	47–71 kN (10,566–15,961 lbf)	55–76 kN (12,364–17,085 lbf)
AMPLITUDE I	0,7 mm (0.028 in)	0,65 mm (0.026 in)
AMPLITUDE II	0,36 mm (0.014 in)	0,25 mm (0.010 in)
OSCILLATION FREQUENCY	40 Hz (2,400 vpm)	
OSCILLATION AMPLITUDE	1,3 mm (0.051 in)	
OSCILLATION FORCE	77 kN (17,310 lbf)	

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	200 l (52.8 gal)
DEF TANK CAPACITY	19 l (5 gal)
WATER TANK CAPACITY	810 l (214 gal)
TYPE OF WATTERING	Pressure
HYDRAULIC TANK CAPACITY	75 l (19.8 gal)
STEERING ANGLE	±31°
OSCILLATION ANGLE	±6°
BATTERY VOLTAGE	12V
BATTERY CAPACITY	145 Ah

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

ROCKFILL	N/A
SAND / GRAVEL	400 mm (15.7 in)
MIXED SOILS	300 mm (11.8 in)
SILT	N/A
CLAY	N/A
STABILISATION	200 mm (7.9 in)
ASPHALT	140 mm (5.5 in)

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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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