

ARX 140

ARTICULATED TADEM ROLLER

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

APPLICATIONS

- Medium and large construction projects
- High volume asphalt applications
- Surface finishing machine
- Highways, Industrial zones
- Airport runways



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

ECOdrops

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 unsplit HF
- 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
- Infrared thermometer
- Maintenance Kit 500h
- Maintenance Kit 1000h
- Maintenance Kit 2000h
- 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

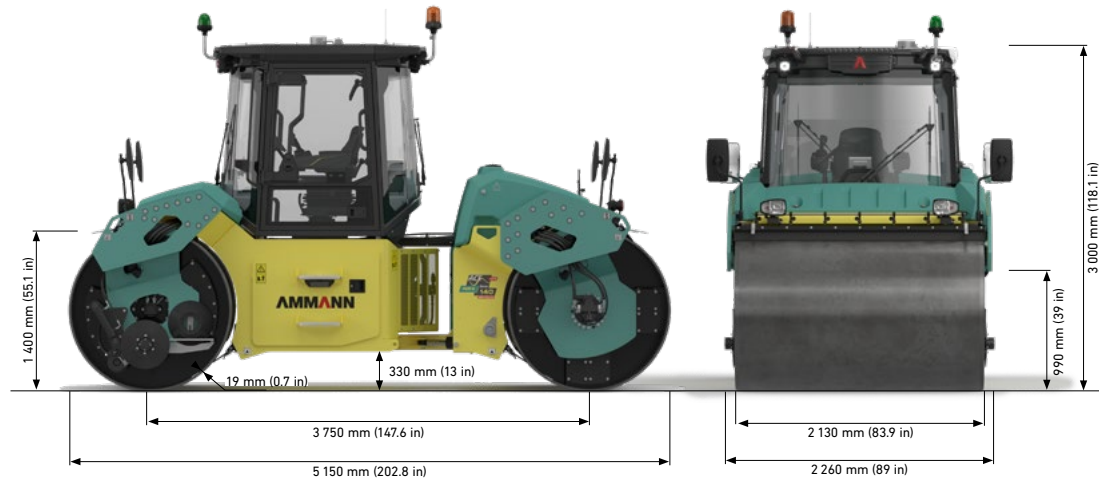
STANDARD EQUIPMENT

- 2 amplitudes / Multiple frequencies
- Ammann color design and decals
- Battery disconnection switch
- Double drum version: Front and rear drive and vibration
- ECDrop
- 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 cab LED

AMMANN

ARX 140

StV / T4f



WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT	13 360 kg (29454 lb)
OPERATING WEIGHT MAX.	14 770 kg (32562 lb)
STATIC LINEAR LOAD AVG.	31.2 kg/cm (174.7 lb/in)
MAX. WORKING SPEED	12 km/h (7.5 MPH)
GRADEABILITY WITHOUT VIBRATION	30%
GRADEABILITY WITH VIBRATION	25%
TURNING RADIUS (INNER)	5 240 mm (206.3 in)
DRUM OFFSET	170 mm (6.7 in)

ENGINE

MANUFACTURER	Perkins
ENGINE TYPE	904J
ENGINE SPEED	2 200 rpm
POWER OUTPUT ISO 14396	100 kW / 134HP
EMISSION STAGE	EU Stage V / U.S. EPA Tier 4 final
EXHAUST GAS AFTER-TREATMENT	EGR+DOC+DPF+SCR

COMPACTION FORCES

	ARX 140	ARX 140 HF
FREQUENCY I	35–40 Hz (2100–2400 vpm)	38–48 Hz (2280–2880 vpm)
FREQUENCY II	40–50 Hz (2400–3000 vpm)	52–62 Hz (3120–3720 vpm)
CENTRIFUGAL FORCE I	104–136 kN (23380–30574 lbf)	86–137 kN (19334–30799 lbf)
CENTRIFUGAL FORCE II	61–96 kN (13713–21582 lbf)	69–99 kN (15512–22256 lbf)
AMPLITUDE I	0.82 mm (0.032 in)	0.58 mm (0.023 in)
AMPLITUDE II	0.37 mm (0.015 in)	0.25 mm (0.010 in)

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	1020 l (269.5 gal)
TYPE OF WATERING	Pressure
HYDRAULIC TANK CAPACITY	74 l (19.5 gal)
STEERING ANGLE	±33°
OSCILLATION ANGLE	±6°
BATTERY VOLTAGE	12V
BATTERY CAPACITY	145 Ah

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

ROCKFILL	–
SAND / GRAVEL	450 mm (17.7 in)
MIXED SOILS	350 mm (13.8 in)
SILT	–
CLAY	–
STABILISATION	250 mm (9.8 in)
ASPHALT	160 mm (6.3 in)

ARX 140 StV

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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