

# ARX 160

## ARTICULATED TADDEM 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

#### 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<sup>force</sup>
- 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 1000h
- Maintenance Kit 2000h
- Maintenance Kit 500h
- 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
- 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
- Tiltable scrapers
- Two non-split drums
- Additional mirrors rear
- CE conformity
- Telematics Readiness
- Working lights cab LED

# AMMANN

# ARX 160

StV / T4f



## WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT CECE	14 190 kg (31284 lb)
OPERATING WEIGHT MAX.	15 600 kg (34392.1 lb)
STATIC LINEAR LOAD AVG.	33.1 kg/cm (185.4 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 160	ARX 160 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)	0.53 mm (0.021 in)
AMPLITUDE II	0.37 mm (0.015 in)	0.22 mm (0.009 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	180 mm (7.1 in)

ARX 160 StV

For additional product information and services please visit: [www.ammann.com](http://www.ammann.com)

Materials and specification data are subject to change without notice.

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