

# ARX 110-2C

## 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

#### ECOdrops

Improved efficiency, reduced use of fluids.

#### Advanced technologies

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

### OPTIONAL EQUIPMENT

- 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 combi 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

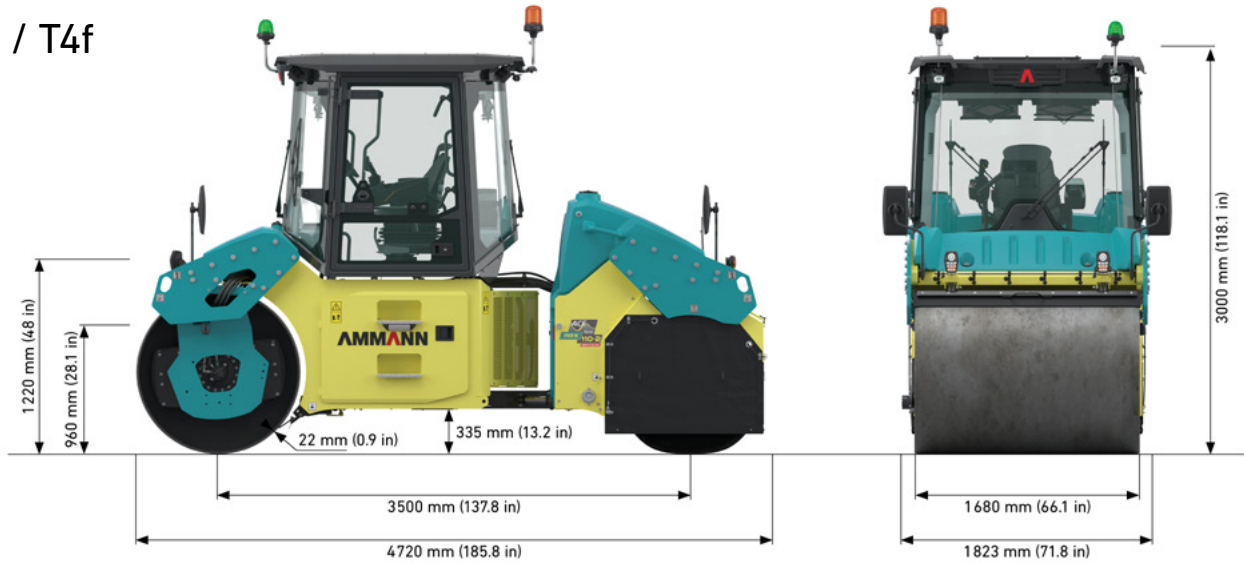
### STANDARD EQUIPMENT

- 2 amplitudes / Multiple frequencies
- Ammann color design and decals
- Battery disconnection switch
- Centralized draining points
- Combi-version: Front and rear drive and front vibration
- Combi-version: Incl. emulsion-spraying and thermal aprons
- Combi-version: one non-split drum / 4 tyres in rear
- 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
- Additional mirrors rear
- CE conformity
- Telematics Readiness
- Working lights (front / rear) - LED

**AMMANN**

# ARX 110-2C

StV / T4f



## WEIGHT & OPERATING CHARACTERISTICS

|                                |                          |
|--------------------------------|--------------------------|
| OPERATING WEIGHT CECE          | 10 260 kg (22,619 lb)    |
| OPERATING WEIGHT MAX.          | 11 680 kg (25,750 lb)    |
| STATIC LINEAR LOAD AVG.        | 31,7 kg/cm (177.5 lb/in) |
| MAX. WORKING SPEED             | 12 km/h (7.5 MPH)        |
| GRADEABILITY WITHOUT VIBRATION | 30%                      |
| GRADEABILITY WITH VIBRATION    | 30%                      |
| 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 110-2C                       | ARX 110-2C HF                    |
|----------------------|----------------------------------|----------------------------------|
| FREQUENCY I          | 37–42 Hz<br>(2,220–2,520 vpm)    | 36–46 Hz<br>(2,160–2,760 vpm)    |
| FREQUENCY II         | 44–54 Hz<br>(2,640–3,240 vpm)    | 57–67 Hz<br>(3,420–4,020 vpm)    |
| CENTRIFUGAL FORCE I  | 93–120 kN<br>(20,907–26,977 lbf) | 68–111 kN<br>(15,287–24,954 lbf) |
| CENTRIFUGAL FORCE II | 60–91 kN<br>(13,489–20,458 lbf)  | 64–88 kN<br>(14,388–19,783 lbf)  |
| AMPLITUDE I          | 0,83 mm (0.033 in)               | 0,64 mm (0.025 in)               |
| AMPLITUDE II         | 0,38 mm (0.015 in)               | 0,24 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)           |
| WATER TANK CAPACITY     | 810 l (214 gal)            |
| EMULSION TANK CAPACITY  | 29 l (7.7 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                     |
| NUMBER OF WHEELS        | 4 pcs                      |
| SIZE OF TIRES           | 11.00x20" 16PR             |
| WHEEL LOAD              | 1 256 kg (2,769 lb)        |

## MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

|               |                  |
|---------------|------------------|
| ROCKFILL      | N/A              |
| SAND / GRAVEL | 320 mm (12.6 in) |
| MIXED SOILS   | 220 mm (8.7 in)  |
| SILT          | N/A              |
| CLAY          | N/A              |
| STABILISATION | 170 mm (6.7 in)  |
| ASPHALT       | 130 mm (5.1 in)  |