

# ARX 90-2C

## 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

#### ECODrop

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

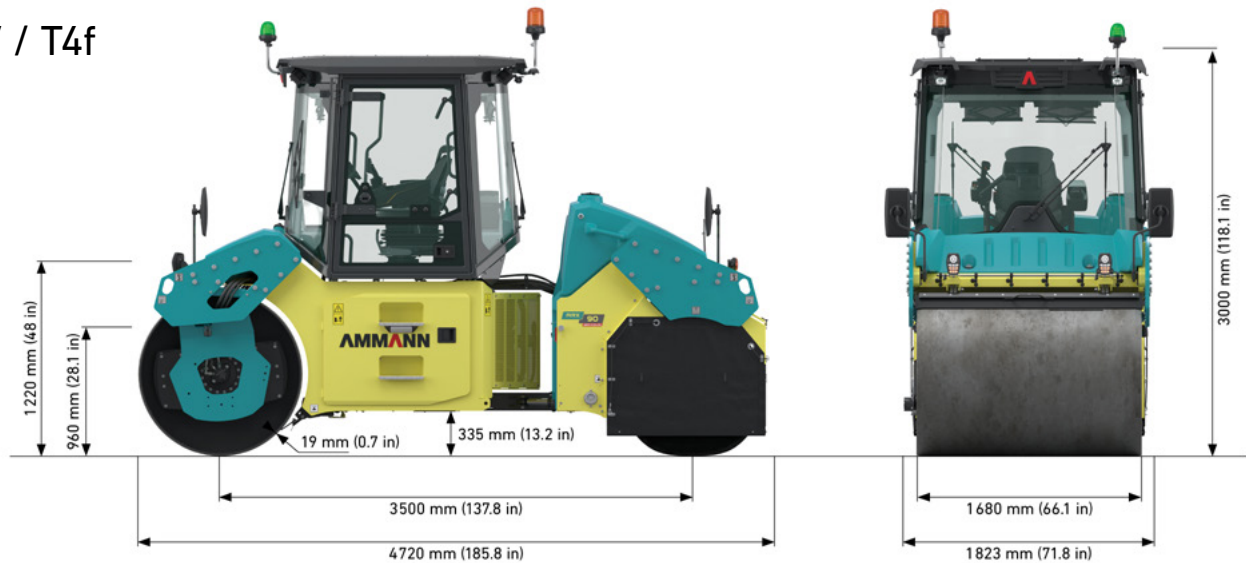
### STANDARD EQUIPMENT

- 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
- 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
- Additional mirrors rear
- CE conformity
- Telematics Readiness
- Working lights (front / rear) - LED

# AMMANN

# ARX 90-2C

StV / T4f



## WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT CECE	9 040 kg (19,930 lb)
OPERATING WEIGHT MAX.	10 460 kg (23,060 lb)
STATIC LINEAR LOAD AVG.	28,4 kg/cm (159 lb/in)
MAX. WORKING SPEED	10,7 km/h (6.6 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	2 300 rpm
POWER OUTPUT ISO 14396	90 kW / 121HP
EMISSION STAGE	EU StageV / U.S. EPA Tier 4f
EXHAUST GAS AFTER-TREATMENT	EGR+DOC+DPF+SCR

## COMPACTION FORCES

	ARX 90-2C	ARX 90-2C 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)

## 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	1 091 kg (2,405 lb)

## MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

ROCKFILL	N/A
SAND / GRAVEL	300 mm (11.8 in)
MIXED SOILS	200 mm (7.9 in)
SILT	N/A
CLAY	N/A
STABILISATION	150 mm (5.9 in)
ASPHALT	120 mm (4.7 in)