



# ARX 110K

ARTICULATED TANDEM ROLLER  
EU Stage IIIA / U.S. EPA Tier 3



## ENABLING FOCUS AND PRODUCTIVITY

The Ammann ARX 110K EU Stage IIIA / U.S. EPA Tier 3 Tandem Roller provides the benefits of vibratory and pneumatic compactors in a single machine. The drum provides vibratory compaction, while the tyres deliver a sealing effect. Compaction output is high and the system is efficient. The optional ACE<sup>force</sup> system provides a host of benefits including measurement and documentation, evaluation of material stiffness, operator guidance and documentation.

## COMBI BENEFITS

- Roller can be used on various layers of asphalt and at different stages of compaction
- Steel drum has vibration capability while tyres provide static compaction that creates a sealing effect
- Vibratory and pneumatic compaction with a single machine minimises fleet needs
- Vibration and frequency are simple to adjust
- ACE<sup>force</sup> compaction measurement (absolute values) and ADS documentation system are optional

## EASY CONTROL

- Articulated steering
- Articulating oscillation joint

## EXCELLENT VISIBILITY

- Excellent visibility to drum surfaces, edges and spraying bars
- Rotating and sliding seat out from Machine contour

## OPERATOR FRIENDLY

- Spacious, comfortable and quiet cab
- Multifunctional display in steering wheel
- Tilttable and adjustable steering column
- Control switches on armrest

## EFFORTLESS MAINTENANCE

- On-board diagnostics
- Easy access to all service points
- Single-drive pump for reduced maintenance

## PRODUCTIVE OPTIONS

- Optional ACE<sup>force</sup> system measures and evaluates material stiffness, guides operator and documents the compaction process
- Chip spreader for project flexibility

## APPLICATIONS

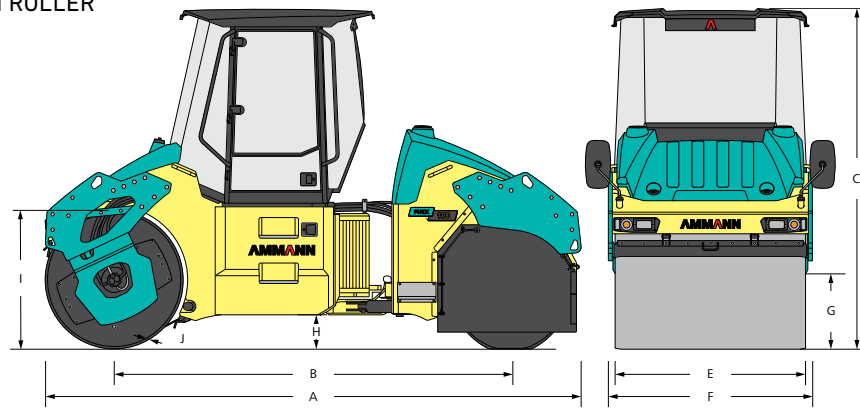
- Medium and large jobsites
- Transport construction (motorways, railways, airfields)
- Building construction (industrial zones, harbours)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Sand / Gravel	Mixed Soils	Silt	Clay	Stabilisation	Asphalt
ARX 110K	0.32 m (13 in)	0.22 m (9 in)	-	-	0.17 m (6.7 in)	0.13 m (5.1 in)



TECHNICAL SPECIFICATIONS  
ARX 110K ARTICULATED TANDEM ROLLER  
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**DIMENSIONS**

A	MACHINE LENGTH	4720 mm (185.8 in)
B	WHEELBASE	3500 mm (137.8 in)
C	MACHINE HEIGHT	3000 mm (118.1 in)
E	DRUM WIDTH	1680 mm (66.1 in)
E	PNEU WIDTH	1628 mm (64.1 in)
F	MACHINE WIDTH	1800 mm (70.9 in)
H	GROUND CLEARANCE	300 mm (11.8 in)
I	DRUM DIAMETER	1220 mm (48.0 in)
J	DRUM SHELL THICKNESS	22 mm (0.9 in)

**MISCELLANEOUS**

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Mechanical multiple-disc
BRAKES EMERGENCY	Mechanical multiple-disc
FUEL TANK CAPACITY	220 l (58.1 gal)
VOLTAGE	24 V

**WEIGHT & DRIVING CHARACTERISTIC**

OPERATING WEIGHT	10090 kg (22240 lb)
MAXIMUM WEIGHT	11530 kg (25420 lb)
STAT. LIN. LOAD OF FRONT DRUM	30.4 kg/cm (170.2 lb/in)
MAX. TRANSPORT SPEED	10.5 km/h (6.5 MPH)
CLIMBING ABILITY WITH / WITHOUT VIBRATION	25% / 30%
TURNING RADIUS INNER (EDGE)	5470 mm (215.4 in)
CRAB MODE	170 mm (6.7 in)

**COMPACTION FORCES**

FREQUENCY I	42 Hz (2520 VPM)
FREQUENCY II	52 Hz (3120 VPM)
AMPLITUDE I	0.82 mm (0.032 in)
AMPLITUDE II	0.35 mm (0.014 in)
CENTRIFUGAL FORCE I	120 kN
CENTRIFUGAL FORCE II	78 kN

**ENGINE**

MANUFACTURER	Deutz TCD3.6 L4
POWER ACCORDING TO ISO 14396	74.4 kW (100 HP)
MAXIMUM TORQUE	410/1600 Nm (ft lb)/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA / U.S. EPA Tier 3



**STANDARD EQUIPMENT**

- CE conformity
- Open platform with ROPS canopy
- 170° rotating and sliding working station with multifunctional display
- Two stage vibration system (2 frequencies / 2 amplitudes)
- Working lights 2 front, 2 rear
- Electronic idle control
- Pneu-tire axle with emulsion sprinkling and hermal aprons

**OPTIONAL EQUIPMENT**

- Ventilated and heated Cab
- Air Condition
- ACE<sup>force</sup> compaction measurement (absolute values) and ADS documentation system
- GPS mapping for ACE systems
- Telematics-ready
- Chip spreader Ammann
- Edge cutter