

# ARX 110

ARTICULATED TANDEM ROLLER  
Tier 4i

## HIGH OUTPUT AND EFFICIENCY

The Ammann ARX 110 Tier 4i Tandem Roller provides comfort that helps the operator stay focused throughout the shift and ultimately improves your jobsite productivity. The machine also meets Tier 4i emissions standards. Compaction output is high and the system is efficient. Each drum has an independent vibratory pump. The roller also features a heavy-duty, two-stage vibrator and easy adjustment of amplitude and frequency. The optional ACE<sup>force</sup> system provides a host of benefits including measurement and documentation, evaluation of material stiffness, operator guidance and documentation.

## COMPACTION PERFORMANCE

- Independent vibratory pump for each drum
- Heavy-duty, 2-stage vibrator
- Simple adjustment of amplitude/frequency

## EASY CONTROL

- Articulated steering
- Articulating oscillation joint

## 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
- Both side Edge-cutter
- Chip spreader for project flexibility

## EXCELLENT VISIBILITY

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

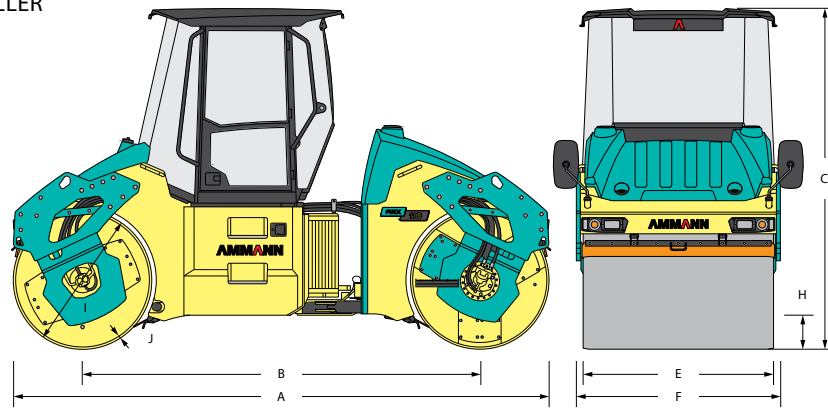
## APPLICATIONS

- **Maintenance** jobsites
- **Transportation** (motorways, railways, airfields)
- **Construction** (industrial zones, harbours)

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	MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS		AT OPTIMAL WORKING CONDITIONS			
	Sand / Gravel	Mixed Soils	Silt	Clay	Stabilisation	Asphalt
ARX 110	0.42 m (17 in)	0.32 m (13 in)	-	-	0.22 m (9 in)	0.15 m (6 in)

TECHNICAL SPECIFICATIONS  
ARX 110 ARTICULATED TANDEM ROLLER  
Tier 4i



DIMENSIONS

A	MACHINE LENGTH	4720 mm (185.9 in)
B	WHEELBASE	3500 mm (137.8 in)
C	MACHINE HEIGHT	3000 mm (118.2 in)
D	MACHINE HEIGHT (REMOVED CAB / ROPS)	-
E	DRUM WIDTH	1680 mm (66.2 in)
F	MACHINE WIDTH	1800 mm (70.9 in)
H	GROUND CLEARANCE	300 mm (11.8 in)
I	DRUM DIAMETER	1220 mm (48.1 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 CHARACTERISTICS

	ARX 110	ARX 110 HF
OPERATING WEIGHT	10 310 kg (22 730 lb)	10 310 kg (22 730 lb)
MAXIMUM WEIGHT	11 750 kg (25 900 lb)	11 750 kg (25 900 lb)
STAT. LIN. LOAD OF FRONT DRUM	30.7 kg/cm (171.9 lb/in)	30.7 kg/cm (171.9 lb/in)
STAT. LIN. LOAD OF REAR DRUM	30.7 kg/cm (171.9 lb/in)	30.7 kg/cm (171.9 lb/in)
MAX. TRANSPORT SPEED	10.5 km/h (6.5 MPH)	10.5 km/h (6.5 MPH)
MAX. WORKING SPEED	-	-
CLIMBING ABILITY	30 %	30 %
TURNING RADIUS INNER (EDGE)	5470 mm (215.4 in)	5470 mm (215.4 in)
CRAB MODE	170 mm (6.7 in)	170 mm (6.7 in)

STANDARD EQUIPMENT

- compliance
- platform with ROPS canopy
- rotating 30° sliding working station with multifunctional display
- stage vibration system (2 frequencies / 2 amplitudes)
- light kit, 2 rear
- idle electronic

COMPACTION FORCES

	ARX 110	ARX 110 HF
FREQUENCY I	42 Hz (2520 VPM)	46 Hz (2760 VPM)
FREQUENCY II	52 Hz (3120 VPM)	67 Hz (4020 VPM)
FREQUENCY ACE MIN. / MAX.	-	-
AMPLITUDE I	0.82 mm (0.032 in)	0.6 mm (0.024 in)
AMPLITUDE II	0.35 mm (0.014 in)	0.22 mm (0.009 in)
AMPLITUDE ACE MIN. / MAX.	-	-
CENTRIFUGAL FORCE I	120 kN	105 kN
CENTRIFUGAL FORCE II	78 kN	82 kN
CENTRIF. FORCE ACE MIN. / MAX.	-	-

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 IIIB, U.S. EPA Tier 4 Interim



OPTIONAL EQUIPMENT

- articulated Cab
- Conditioner
- force compaction measurement (absolute values) and ADS documentation system
- mapping ACE systems
- Telematics-ready
- spreader
- cutter Edge