

ARX 110

ARTICULATED TANDEM ROLLER
EU Stage IV / US EPA Tier 4f

HIGH OUTPUT AND EFFICIENCY

The Ammann ARX 110 Tandem Roller provides comfort that helps the operator stay focused throughout the shift and ultimately improves your jobsite productivity. The machine also meets EU Stage IV / US EPA Tier 4f 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^{force} 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
- 170 mm crab steering (both sides)

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^{force} 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

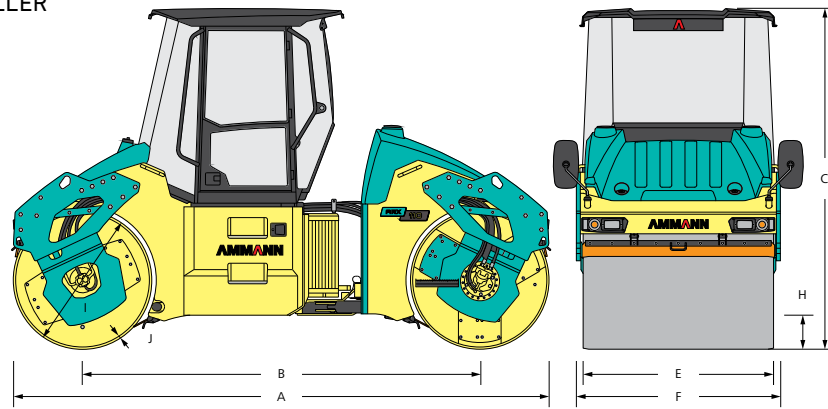
- Medium and large jobsites
- Transport construction (motorways, railways, airfields)
- Building construction (industrial zones, harbours)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Sand / Gravel	Mixed Soils	Silt	Clay	Stabilisation	Asphalt
ARX 110	0.42 m (17 in)	0.32 m (13 in)	-	-	0.22 m (9 in)	0.15 m (6 in)

AMMANN

TECHNICAL SPECIFICATIONS
 ARX 110 ARTICULATED TANDEM ROLLER
 EU Stage IV / US EPA Tier 4f



DIMENSIONS

A	MACHINE LENGTH	4720 mm (185.8 in)
B	WHEELBASE	3500 mm (137.8 in)
C	MACHINE HEIGHT	3000 mm (118.1 in)
D	MACHINE HEIGHT (REMOVED CAB / ROPS)	-
E	DRUM WIDTH	1680 mm (66.1 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 CHARACTERISTICS

	ARX 110 / ARX HF	ARX 110 A
OPERATING WEIGHT	10 400 kg (22 930 lb)	10 120 kg (22 310 lb)
MAXIMUM WEIGHT	11 860 kg (26 150 lb)	11 580 kg (25 530 lb)
STAT. LIN. LOAD OF FRONT DRUM	31 kg/cm (173.6 lb/in)	30.2 kg/cm (169.1 lb/in)
STAT. LIN. LOAD OF REAR DRUM	30.9 kg/cm (173 lb/in)	30.1 kg/cm (168.6 lb/in)
MAX. TRANSPORT SPEED	10.5 km/h (6.5 MPH)	10.5 km/h (6.5 MPH)
MAX. WORKING SPEED	-	-
CLIMBING ABILITY WITH / WITHOUT	25% / 30%	25% / 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)

COMPACTION FORCES

	ARX 110 / ARX 110 A	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 IV / US EPA Tier 4f



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

OPTIONAL EQUIPMENT

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