

ARX 90

ARTICULATED TANDEM ROLLER
EU Stage IIIA / US EPA Tier 3



ADDED VALUE

The Ammann ARX 90 Tandem Roller provides features and benefits that ultimately lead to added value for owners of this heavy compactor. Compaction output is high and the system 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. A single-drive pump makes for easy service and maintenance. The cab's design provides comfort that helps the operator stay focused and productive throughout the shift. The optional ACE^{force} system provides a host of benefits.

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^{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

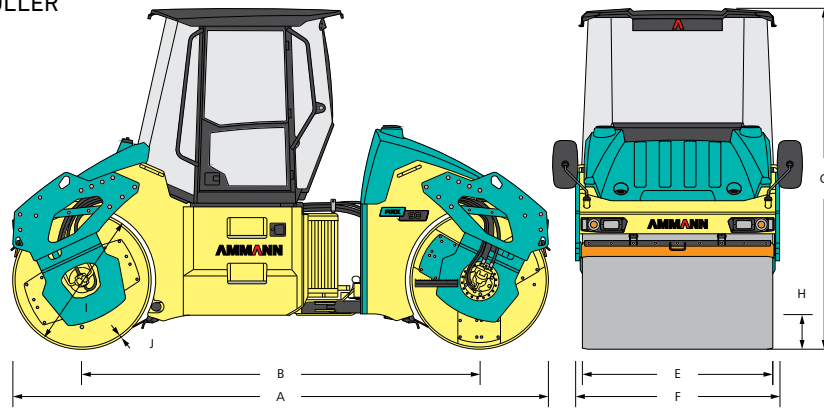
- Small and medium jobsites
- Local transport construction (municipal and town roads)
- Building construction (houses and industrial zones)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Sand / Gravel	Mixed Soils	Silt	Clay	Stabilisation	Asphalt
ARX 90	0.4 m (16 in)	0.3 m (12 in)	-	-	0.2 m (8 in)	0.14 m (5.5 in)

AMMANN

TECHNICAL SPECIFICATIONS
ARX 90 ARTICULATED TANDEM ROLLER
EU STAGE IIIA / US EPA TIER 3



DIMENSIONS

A	MACHINE LENGTH	4720 mm (185.8 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 (66.1 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	19 mm (0.7 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 90	ARX 90 HF
OPERATING WEIGHT	9470 kg (20 880 lb)	9470 kg (20 880 lb)
MAXIMUM WEIGHT	10 910 kg (24 050 lb)	10 910 kg (24 050 lb)
STAT. LIN. LOAD OF FRONT DRUM	28.1 kg/cm (157.4 lb/in)	28.1 kg/cm (157.4 lb/in)
STAT. LIN. LOAD OF REAR DRUM	27.3 kg/cm (152.9 lb/in)	27.3 kg/cm (152.9 lb/in)
MAX. TRANSPORT SPEED	10.5 km/h (6.5 MPH)	10.5 km/h (6.5 MPH)
MAX. WORKING SPEED	–	–
CLIMBING ABILITY WITHOUT / WITH VIBRATION	30 % / 25 %	30 % / 25 %
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

- 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

COMPACTION FORCES

	ARX 90	ARX 90 HF
FREQUENCY I	42 Hz (2520 VPM)	46 Hz (2760 VPM)
FREQUENCY II	54 Hz (3240 VPM)	67 Hz (4020 VPM)
FREQUENCY ACE MIN. / MAX.	–	–
AMPLITUDE I	0.7 mm (0.028 in)	0.62 mm (0.024 in)
AMPLITUDE II	0.34 mm (0.013 in)	0.23 mm (0.009 in)
AMPLITUDE ACE MIN. / MAX.	–	–
CENTRIFUGAL FORCE I	84 kN	97 kN
CENTRIFUGAL FORCE II	68 kN	70 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 IIIA / US EPA Tier 3



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