

AV 110 X

ARTICULATED TANDEM ROLLER

Tier 3



EFFICIENT COMPACTION

A unique propulsion system powers the Ammann AV 110 X Tier 3 Articulated Tandem Roller, helping it efficiently deliver the weight and vibration necessary to achieve optimum compaction results. Key to the propulsion system is the location of the power train in the rear frame and in independent pumps for drive and vibration. A combination of drum dimensions, frequencies and amplitudes also help deliver the desired results.

COMPACTION OUTPUT

- Powerful combination of drum dimensions, frequencies and amplitudes
- 2 amplitudes and frequencies
- Balanced drum dimensions
- Optional ACE^{force} compaction measurement (absolute values) and ADS documentation system

CRAB STEERING

- 2 frames connected by a double oscillating joint enable crab steering on each side
- Provides increased compaction output and responsiveness

QUALITY CAB

- Integrated ROPS
- Excellent view to drum surface, edges and sprinkling system
- Rotating/sliding seat

EFFORTLESS OPERATION

- 2 drive levers for easy operation
- Convenient control locations
- Easy-to-see operator display
- Simple adjustment of amplitude and frequency

EASY MAINTENANCE

- Reliable, long-life vibration system
- Convenient access to service points and fluid ports

MOBILITY

- Ideal steering angle and efficient design
- Independent, double-pump system drum drives for enhanced traction

APPLICATIONS

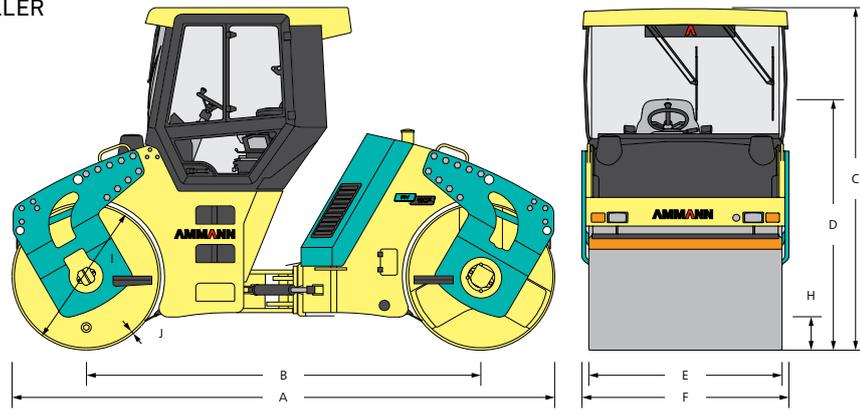
- Medium and large jobsites
- Transport construction (motorways, railways, airfields)
- Building construction (industrial zones, harbours)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Sand / Gravel	Mixed Soils	Silt	Clay	Stabilisation
AV 110 X	0.42 m (17 in)	0.32 m (13 in)	-	-	0.22 m (9 in)

AMMANN

TECHNICAL SPECIFICATIONS
 AV 110 X ARTICULATED TANDEM ROLLER
 Tier 3



DIMENSIONS

A	MACHINE LENGTH	4760 mm (187.5 in)
B	WHEELBASE	3460 mm (136.3 in)
C	MACHINE HEIGHT	3020 mm (118.9 in)
D	MACHINE HEIGHT (REMOVED CAB / ROPS)	2350 mm (92.6 in)
E	DRUM WIDTH	1700 mm (67 in)
F	MACHINE WIDTH	1822 mm (71.8 in)
H	GROUND CLEARANCE	310 mm (12.2 in)
I	DRUM DIAMETER	1300 mm (51.2 in)
J	DRUM SHELL THICKNESS	22 mm (0.9 in)

COMPACTION FORCES

FREQUENCY I	45 Hz (2700 VPM)
FREQUENCY II	55 Hz (3300 VPM)
FREQUENCY ACE MIN. / MAX.	-
AMPLITUDE I	0.7 mm (0.028 in)
AMPLITUDE II	0.35 mm (0.014 in)
AMPLITUDE ACE MIN. / MAX.	-
CENTRIFUGAL FORCE I	110 kN
CENTRIFUGAL FORCE II	77/83 kN
CENTRIF. FORCE ACE MIN. / MAX.	-

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Mechanical multiple-disc
BRAKES EMERGENCY	Mechanical multiple-disc
FUEL TANK CAPACITY	208 l (54.9 gal)
VOLTAGE	12 V

ENGINE

MANUFACTURER	Cummins QSB3.3-C99
POWER ACCORDING TO ISO 3046-1	74 kW (99 HP)
MAXIMUM TORQUE	412(304)/1600 Nm (ft lb)/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3

WEIGHT & DRIVING CHARACTERISTICS

OPERATING WEIGHT	10400 kg (22930 lb)
MAXIMUM WEIGHT	11190 kg (24670 lb)
STATIC LINEAR LOAD OF FRONT DRUM	30.9 kg/cm (173 lb/in)
STATIC LINEAR LOAD OF REAR DRUM	30.3 kg/cm (169.7 lb/in)
MAX. TRANSPORT SPEED	11 km/h (6.8 MPH)
MAX. WORKING SPEED	-
CLIMBING ABILITY	30%
TURNING RADIUS INNER (EDGE)	4650 mm (183.1 in)
CRAB MODE	160 mm (6.3 in)



STANDARD EQUIPMENT

- Open driver's platform with railing and protection against vandalism
- 2 amplitudes and 2 frequencies
- Hydrostatic drive front and rear drums
- Rotating and sliding operator's station
- Adjustable seat and steering column
- Pressurized sprinkling system
- Working lights front and rear
- Scrapers

OPTIONAL EQUIPMENT

- CE conformity kit
- ROPS cab ventilated heated
- ROPS protection frame on driver's platform
- Sun canopy for open platform version
- Air conditioning
- Radio
- Edge cutter
- IR Thermometer
- Additional working headlights
- ACE^{force} compaction measurement (absolute values) and ADS documentation system