

AV 70 X

ARTICULATED TANDEM ROLLER Tier 3



OPTIMAL FORCE

The Ammann AV 70 X Tier 3 Articulated Tandem Roller combines drum dimensions, frequencies and amplitudes to deliver optimum compaction results. The roller has two frames connected by a oscillating joint that enables crab steering on each side. The crab steering provides increased compaction output and responsiveness, which is crucial on any jobsite. A unique propulsion system drives the roller. The power train is situated in the rear frame. Independent pumps for drive and vibration provide optimal traction and compaction force.

COMPACTION OUTPUT

- Powerful combination of drum dimensions, frequencies and amplitudes
- 2 amplitudes and frequencies
- Balanced drum dimensions

CRAB STEERING

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

MOBILITY

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

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
- Easy adjustment of amplitude and frequency

EASY MAINTENANCE

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

APPLICATIONS

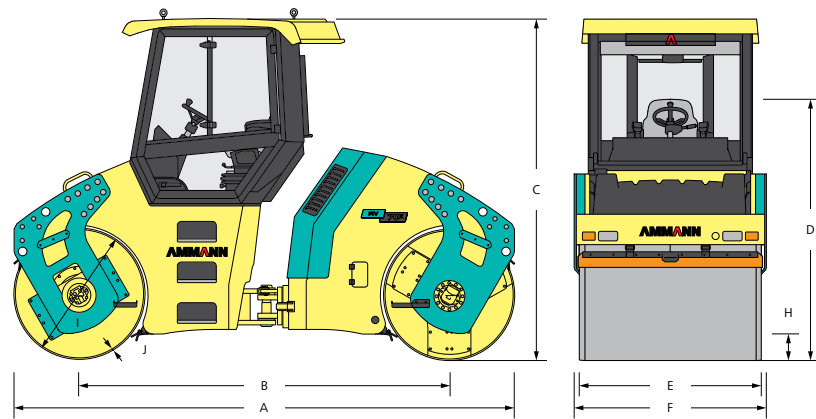
- Small and medium jobsites
- Local transport construction (municipal and town roads)
- Building construction (houses and industrial zones)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Sand / Gravel	Mixed Soils	Silt	Clay	Stabilisation
AV 70 X	0.37 m (15 in)	0.27 m (11 in)	-	-	0.2 m (8 in)

AMMANN

TECHNICAL SPECIFICATIONS
ARTICULATED TANDEM ROLLER
Tier 3



DIMENSIONS

A	MACHINE LENGTH	4410 mm (173.7 in)
B	WHEELBASE	3260 mm (128.4 in)
C	MACHINE HEIGHT	3005 mm (118.4 in)
D	MACHINE HEIGHT (REMOVED CAB / ROPS)	2300 mm (90.6 in)
E	DRUM WIDTH	1450 mm (57.1 in)
F	MACHINE WIDTH	1550 mm (61.1 in)
H	GROUND CLEARANCE	240 mm (9.4 in)
I	DRUM DIAMETER	1150 mm (45.3 in)
J	DRUM SHELL THICKNESS	15 mm (0.6 in)

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Mechanical multiple-disc
BRAKES EMERGENCY	Mechanical multiple-disc
FUEL TANK CAPACITY	110 l (29.1 gal)
VOLTAGE	12 V

WEIGHT & DRIVING CHARACTERISTICS

	AV 70 X	AV 70 X HF
OPERATING WEIGHT	7360 kg (16 230 lb)	7360 kg (16 230 lb)
MAXIMUM WEIGHT	7810 kg (17 220 lb)	7810 kg (17 220 lb)
STAT. LIN. LOAD OF FRONT DRUM	27.5 kg/cm (154 lb/in)	27.5 kg/cm (154 lb/in)
STAT. LIN. LOAD OF REAR DRUM	25.7 kg/cm (143.9 lb/in)	25.7 kg/cm (143.9 lb/in)
MAX. TRANSPORT SPEED	11.4 km/h (7.1 MPH)	11.4 km/h (7.1 MPH)
MAX. WORKING SPEED	-	-
CLIMBING ABILITY	30 %	30 %
TURNING RADIUS INNER (EDGE)	4600 mm (181.1 in)	4600 mm (181.1 in)
CRAB MODE	180 mm (7.1 in)	180 mm (7.1 in)

STANDARD EQUIPMENT

- Open driver's platform with railing and protection against vandalism
- Two amplitudes and two 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

COMPACTION FORCES

	AV 70 X	AV 70 X HF
FREQUENCY I	43 Hz (2580 VPM)	48 Hz (2880 VPM)
FREQUENCY II	52 Hz (3120 VPM)	67 Hz (4020 VPM)
FREQUENCY ACE MIN. / MAX.	-	-
AMPLITUDE I	0.6 mm (0.024 in)	0.6 mm (0.024 in)
AMPLITUDE II	0.33 mm (0.013 in)	0.2 mm (0.008 in)
AMPLITUDE ACE MIN. / MAX.	-	-
CENTRIFUGAL FORCE I	65 kN	71 kN
CENTRIFUGAL FORCE II	55 kN	46 kN
CENTRIF. FORCE ACE MIN. / MAX.	-	-

ENGINE

MANUFACTURER	Cummins BTAA3.3-C80
POWER ACCORDING TO ISO 3046-1	60 kW (80 HP)
MAXIMUM TORQUE	304(224)/1600 Nm (ft lb)/rpm
ENGINES COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3



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