AV 110 X
ARTICULATED TANDEM ROLLER
Tier 2

POWERFUL PROPULSION
A unique propulsion system powers the Ammann AV 110 X Tier 2 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.

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
• Steering angle and compact design for manoeuvrability
• 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
• Medium and large jobsites
• Transport construction (motorways, railways, airfields)
• Building construction (industrial zones, harbours)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

<table>
<thead>
<tr>
<th></th>
<th>Sand / Gravel</th>
<th>Mixed Soils</th>
<th>Silt</th>
<th>Clay</th>
<th>Stabilisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV 110 X</td>
<td>0.42 m (17 in)</td>
<td>0.32 m (13 in)</td>
<td>–</td>
<td>–</td>
<td>0.22 m (9 in)</td>
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TECHNICAL SPECIFICATIONS
AV 110 X ARTICULATED TANDEM ROLLER
Tier 2

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

DIMENSIONS
A MACHINE LENGTH 6760 mm (187.5 in)
B WHEELBASE 3440 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)

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

COMPACTION FORCES
FREQUENCY I 45 Hz (2700 VPM)
FREQUENCY II 55 Hz (3300 VPM)
AMPLITUDE I 0.7 mm (0.028 in)
AMPLITUDE II 0.35 mm (0.014 in)
CENTRIFUGAL FORCE I 110 kN
CENTRIFUGAL FORCE II 77/83 kN

ENGINE
MANUFACTURER Cummins 4BT4.5-C99
POWER ACCORDING TO ISO 3046-1 74 kW (99 HP)
MAXIMUM TORQUE 414(305)/1600 Nm (ft lb)/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS EU Stage II, U.S. EPA Tier 2

WEIGHT & DRIVING CHARACTERISTICS
OPERATING WEIGHT 10 400 kg (22 930 lb)
MAXIMUM WEIGHT 11 190 kg (24 670 lb)
STATIC LINEAR LOAD OF FRONT DRUM 30.9 kg/cm (173 lb/in)
STATIC LINEAR LOAD OF REAR DRUM 30.3 kg/cm (149.7 lb/in)
MAX. TRANSPORT SPEED 12.8 km/h (8 MPH)
MAX. WORKING SPEED –
CLIMBING ABILITY 30 %
TURNING RADIUS INNER (EDGE) 4650 mm (183.1 in)
CRAB MODE 160 mm (6.3 in)

MISCELLANEOUS
BRAKES OPERATING Hydrostatic
BRAKES PARKING Mechanical multiple-disc
BRAKES EMERGENCY Mechanical multiple-disc
FUEL TANK CAPACITY 210 l (55.5 gal)
VOLTAGE 12 V

For additional product information and services please visit: www.ammann-group.com
Specifications are subject to change.
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