

AV 130 X

ARTICULATED TANDEM ROLLER

EU Stage IIIA / U.S. EPA Tier 3

BIG YET MANOEUVRABLE

The Ammann AV 130 X EU Stage IIIA / U.S. EPA Tier 3 Articulated Tandem Roller combines its operating weight with drum dimensions, frequencies and amplitudes to deliver optimum compaction results. The roller has two frames connected by an oscillating joint that enables crab steering on each side. Despite its size, the roller remains manoeuvrable and provides outstanding sight lines to the drum, sprinkler system and surfaces.

PRODUCTIVITY

Superior compaction performance

The powerful vibratory system generates high compaction forces for fast and thorough compaction

Articulated joint with oscillation

Permanent contact with the surface and a wide range of working widths for higher productivity

Sprinkling system

3-stage filtration system with large water tank for extended intervals between fillings

ERGONOMICS

A comfortable workplace

Ergonomic operator station designed for high operator comfort

Simple and reliable dashboard

Intuitive machine control, even for unskilled operators

Visibility

Excellent all-around machine visibility for jobsite safety

SERVICEABILITY

Accessible engine compartment

Tool-free, wide-opening engine hood / doors

Easy-to-reach maintenance points

All service points are optimally positioned for easy service

Self-diagnostic system

The on-board, automated diagnostic system quickly identifies potential problems

APPLICATIONS

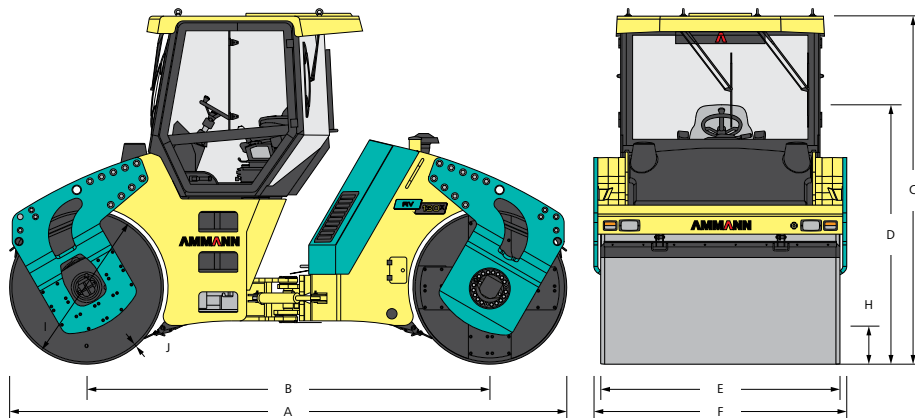
- Medium and large jobsites
- Transport construction (motorways, railways, airfields)
- Building construction (industrial zones, harbours)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

| | Sand / Gravel | Mixed Soils | Silt | Clay | Stabilisation |
|----------|----------------|----------------|------|------|----------------|
| AV 130 X | 0.45 m (18 in) | 0.35 m (14 in) | – | – | 0.25 m (10 in) |

AMMANN

TECHNICAL SPECIFICATIONS
AV 130 X ARTICULATED TANDEM ROLLER
EU Stage IIIA / U.S. EPA Tier 3



DIMENSIONS

| | | |
|---|-------------------------------------|--------------------|
| A | Machine length | 4875 mm (191.9 in) |
| B | Wheelbase | 3525 mm (138.8 in) |
| C | Machine height | 3060 mm (120.5 in) |
| D | Machine Height (removed CAB / ROPS) | 2390 mm (94.1 in) |
| E | Drum width | 2100 mm (82.7 in) |
| F | Machine width | 2222 mm (87.5 in) |
| H | Ground clearance | 335 mm (13.2 in) |
| I | Drum diameter | 1350 mm (53.1 in) |
| J | Drum shell thickness | 20 mm (0.8 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 |

WEIGHT & DRIVING CHARACTERISTICS

| | |
|---|--------------------------|
| Operating weight | 13080 kg (28840 lb) |
| Maximum weight | 13870 kg (30580 lb) |
| Static linear load of front drum | 31.5 kg/cm (176.4 lb/in) |
| Static linear load of rear drum | 30.8 kg/cm (172.5 lb/in) |
| Max. transport speed | 11.4 km/h (7.1 MPH) |
| Max. working speed | — |
| Climbing ability with / Without vibration | 30 % / 40 % |
| Turning radius inner (EDGE) | 4670 mm (183.9 in) |
| Crab mode | 160 mm (6.3 in) |

COMPACTION FORCES

| | |
|----------------------|-------------------------------|
| Frequency I | 42 Hz (2520 VPM) |
| Frequency II | 55 Hz (3300 VPM) |
| Amplitude I | 0.8 mm (0.031 in) |
| Amplitude II | 0.4 mm (0.016 in) |
| Centrifugal force I | 135 kN (30 349 lbf) |
| Centrifugal force II | 96/116 kN (21 582/26 078 lbf) |

ENGINE

| | |
|-------------------------------|---------------------------------|
| Manufacturer | Cummins QSB4.5-C130 |
| Power according to ISO 3046-1 | 97 kW (130 HP) |
| Maximum torque | 512(376)/1600 Nm (ft lb)/rpm |
| Emission class | EU Stage IIIA / U.S. EPA Tier 3 |

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