

ARX 12-2

LIGHT TANDEM VIBRATORY ROLLER

EU Stage V / U.S. EPA Tier 4 final



PERFORMANCE ON THE EDGES

The Ammann ARX 12-2 Light Tandem Roller can work with drums in-line or off-set, enabling homogenous compaction against obstructions – and productivity in more open spaces. Operators of all experience levels find the machine easy to control, in part because of the automated intelligent functions (such as AVC - Automatic Vibration Control, an integrated parking brake, soft/hard mode).

Soft drive enables smooth, steady adjustments to directional changes – particularly important when working on asphalt. Hard drive responds quickly to directional changes.

PRODUCTIVITY

Electronic drive lever

Advanced drive control enables smooth starts and stops during machine operation.

Articulation joint with oscillation

Great manoeuvrability and constant contact with the surface are key factors in achieving high quality compaction.

Sprinkling system

Multi-level filtration system with large water tank for extended intervals between fillings.

ERGONOMICS

Operator platform design

Spacious operator platform with comfortable driver's seat.

Simple & convenient operation control

Dashboard with clear display and intuitive machine control.

Exceptional operator visibility

Perfect all-around machine visibility to maximise safety on the jobsite.

APPLICATIONS

- Small and medium construction sites
- City roads
- Boardwalks
- Repair works in city centre

SERVICEABILITY

Tool-free daily inspection

Quick and easy daily inspection.

Maintenance-free parts

Reduce time required for machine maintenance and prevent damage to components.

Service point locations

Service and regular maintenance points are quickly and easily accessible.

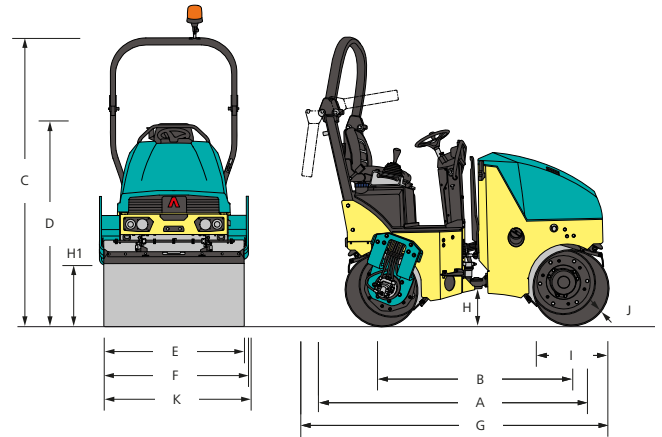
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

| | Sand / gravel | Mixed soils | Silt | Clay | Stabilisation | Asphalt |
|----------|-----------------|-----------------|------|------|-----------------|----------------|
| ARX 12-2 | 200 mm (7.9 in) | 150 mm (5.9 in) | – | – | 100 mm (3.9 in) | 80 mm (3.2 in) |

TECHNICAL SPECIFICATIONS
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DIMENSIONS

| | | |
|----|------------------------------|-------------------|
| A | Machine length | 2140 mm (84.3 in) |
| B | Wheelbase | 1440 mm (56.7 in) |
| C | Machine height | 2400 mm (94.5 in) |
| D | Machine height (folded ROPS) | 1725 mm (67.9 in) |
| E | Drum width | 820 mm (32.3 in) |
| F | Working width with offset | 868 mm (34.2 in) |
| G | Machine length (folded ROPS) | 2330 mm (91.7 in) |
| H | Ground clearance | 230 mm (9.1 in) |
| H1 | Side clearance | 370 mm (14.6 in) |
| I | Drum diameter | 580 mm (22.8 in) |
| J | Drum shell thickness | 13 mm (0.5 in) |
| K | Machine width (total) | 865 mm (34.1 in) |



WEIGHT & OPERATING CHARACTERISTICS

| | |
|-------------------------------|----------------------|
| Operating weight CECE | 1460 kg (3219 lb) |
| Operating weight max. | 1610 kg (3549 lb) |
| Stat. lin. load of front drum | 8.2 kg/cm (18 lb/in) |
| Stat. lin. load of rear drum | 9.6 kg/cm (21 lb/in) |
| Turning radius inside | 2100 mm (82.7 in) |
| Steering / Oscillating angle | 30/6 ±° |
| Drum offset | 48 mm (1.9 in) |

ENGINE

| | |
|-----------------------------------|--------------------------------------|
| Engine type | Kubota D1105 |
| Emmission class | EU Stage V, U.S. EPA Tier 4 Final |
| Power output ISO 3046 | 15.6 kW (21.2 HP) |
| Cylinder / ltr. | 3 cyl / 1123 No./ccm |
| 1. / 2. working speed | 2400 / 2600 rpm |
| Travel speed | 8.1 km/h (5 MPH) |
| Gradeability with / without vibr. | 30 % / 35 % |

COMPACTION FORCES

| | |
|----------------------|------------------|
| Amplitude I | 0.5 mm (0.02 in) |
| Amplitude II | 0.5 mm (0.02 in) |
| Frequency I | 60 Hz (3600 VPM) |
| Frequency II | 70 Hz (4200 VPM) |
| Centrifugal force I | 19 kN (4271 lbf) |
| Centrifugal force II | 22 kN (4946 lbf) |

MISCELLANEOUS

| | |
|--------------------|------------------|
| Battery / Capacity | 12/77 V/Ah |
| Water tank | 110 l (29.1 gal) |
| Hydraulic tank | 28.5 l (7.5 gal) |
| Diesel fuel tank | 24 l (6.3 gal) |

STANDARD

- Front and rear vibration & drive
- Pressurised pulse interval sprinkler system
- 2 working frequencies
- Control system with emergency stop
- Ammann Vibration Control
- Central lifting point
- Hydraulic test ports
- On-board diagnostics
- Front/rear rubber bumpers
- ATC - Ammann Traction Control
- Battery disconnection switch

OPTIONAL EQUIPMENT

- CE-kit with folding ROPS and working lights
- Road lights
- Infrared thermometer
- Reverse alarm
- Additional working lights (ROPS mounted)
- Warning beacon
- Second drive-lever, left
- Arm rests
- Edge-cutter inc. Multi-function lever
- Bio-degradable hydraulic oil
- Drums In-line
- Customer color
- Wheather canopy
- Servicelink