

ARS 110.2

SINGLE DRUM ROLLER

TIER 1



APPLICATIONS

- Medium and large compaction sites
- Transport construction
- Municipal and town roads
- Rock fill dams
- Industrial zones
- City centers

PRODUCTIVITY

- **Compaction performance** - two stage vibratory system, high compaction output
- **Robust machine design** - built to take on the most challenging jobsites and conditions

ERGONOMICS

- **Platform and cab** - spacious and quiet, with 360° visibility
- **Operator station** - high comfort and safety

SERVICEABILITY

- **Low downtime** - heavy duty components and robust construction
- **Reduced maintenance** - extended service intervals; easy-to-reach maintenance points

SUSTAINABILITY



- **ECODrop** - improved efficiency, reduced use of fluids
- **Digitalization** - advanced monitoring and measuring systems

OPTIONAL EQUIPMENT

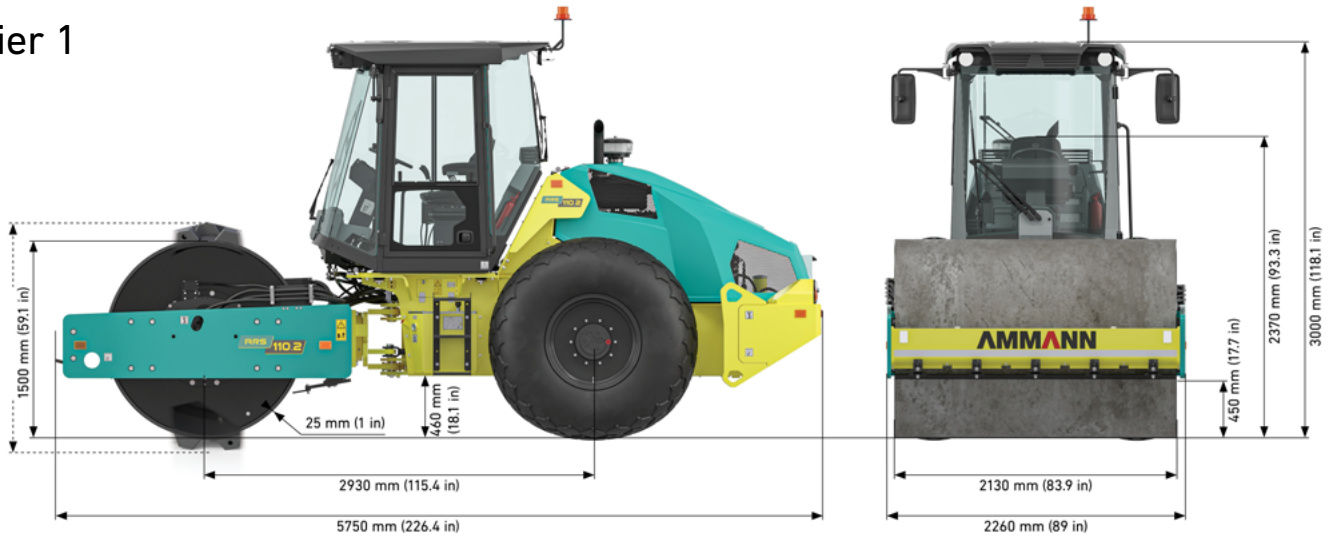
- A/C Cabin
- Cabin without A/C
- Radio
- Radio Preparation
- Frame Front Operating Weight 11t
- Tractor Tyres
- Ammann Traction Optimizer ATO
- Warning Beacon LED
- Hydraulic Oil Biodegradable
- Back-up Alarm
- Tyre Ballast -25°C
- Compaction Measuring System ACE
- Telematics Preparation
- Padfoot Shell Kit incl. Scrapers
- Fuel Prefilter
- Fire Extinguisher
- Toolset
- Overseas Shipping Preparation
- Documentation
- Certificate of Origin
- Maintenance Kit 500h
- Maintenance Kit 2000h

STANDARD EQUIPMENT

- Basic version: Hydrostatic drum drive and mechanical rear axle
- Smooth Drum, 2 Frequencies/2 Amplitudes Vibratory System
- ROPS Open Platform with Rails and Working Lights
- Steel Scrapers
- Diamond Tread Tyres
- Ammann Color Scheme

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Tier 1



WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT CECE (OPEN ROPS-FOPS)	10 100 kg (22,267 lb)
OPERATING WEIGHT CECE (CAB ROPS-FOPS, AC)	10 300 kg (22,708 lb)
OPERATING WEIGHT MAX.	13 100 kg (28,880 lb)
STATIC LINEAR LOAD	24.4 kg/cm (136.6 lb/in)
PAD CONTACT SURFACE	-
PAD HEIGHT	-
MAX. TRANSPORT SPEED	10.5 km/h (6.5 MPH)
MAX. WORKING SPEED	5 km/h (3.11 MPH)
GRADEABILITY WITH VIBRATION	40%
GRADEABILITY WITHOUT VIBRATION	45%
TURNING RADIUS (INNER)	3450 mm (135.9 in)

ENGINE

TYPE	Cummins 4BT3.9
POWER ACCORDING TO ISO 14396	76 kW (102 HP)
EXHAUST GAS AFTER-TREATMENT	no EAT
EMISSION STAGE	Tier 1

COMPACTION FORCES

FREQUENCY I	35 Hz (2100 vpm)
FREQUENCY II	32 Hz (1920 vpm)
AMPLITUDE I	1.85 mm (0.07 in)
AMPLITUDE II	0.9 mm (0.04 in)
CENTRIFUGAL FORCE I	275 kN (61,822 lbf)
CENTRIFUGAL FORCE II	160 kN (35,969 lbf)

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	310 l (81.9 gal)
ARTICULATION ANGLE	±36°
OSCILLATION ANGLE	±10°
OPERATING VOLTAGE	12V DC
BATTERY	150 Ah

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

ROCKFILL	800 mm (31.5 in)
SAND / GRAVEL	600 mm (23.6 in)
MIXED SOILS	500 mm (19.7 in)
SILT	400 mm (15.8 in)
CLAY	250 mm (9.8 in)