

ARS 110.1

SINGLE DRUM ROLLER

EU STAGE IIIA / U.S. EPA TIER 3

APPLICATIONS

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



PRODUCTIVITY

No-rear-axle

Provides low centre of gravity and high versatility.

Compaction performance

Two-stage vibratory system, high compaction output.

ERGONOMICS

Platform and cab

Spacious and quiet, with 360° visibility.

Operator station

High comfort and safety.

SERVICEABILITY

Reduced 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

- Additional documentation printed
- Ammann Traction Control - ATC
- Back-up alarm
- Back-up alarm adaptive
- Cab ROPS
- Cab noise reduction kit
- ROPS cab with A/C
- Certificate of origin
- Compaction measuring system ACE
- Container shipment preparation
- Engine air inlet pre-cleaner
- Fire extinguisher
- Fuel tank lock
- Hydraulic oil biodegradable
- Padfoot shell kit - including scrapers
- Rear view camera
- Registration plate holder incl. light
- Road lights incl. turn signals
- Scrapers vulcolan for smooth drum
- Maintenance kit 1000h
- Maintenance kit 2000h
- Maintenance kit 500h
- Telematics Servicelink Pro
- Telematics preparation
- Toolset
- Tractor tyres
- Tyre ballast -25°C
- Warning beacon LED

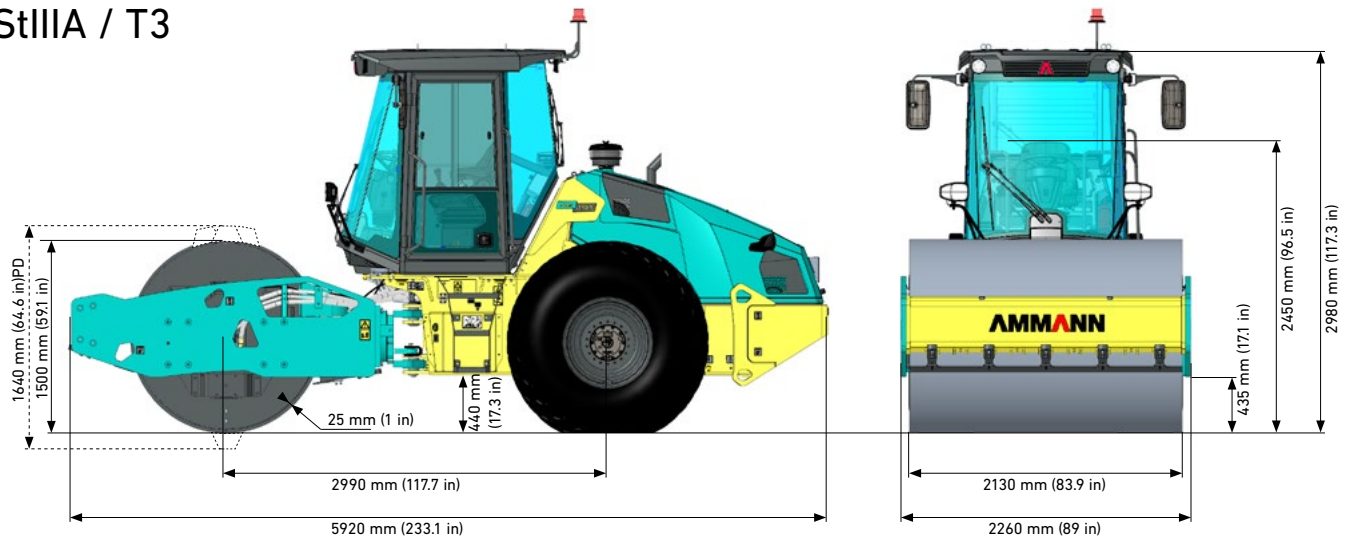
STANDARD EQUIPMENT

- CE Conformity without
- Smooth drum
- Steel scrapers
- Diamond tread tyres
- ECOdrop
- Inter wheel flow divider
- 2 amplitudes / 2 frequencies
- Operator's station with one drive lever (RH)
- Adjustable driver's seat with armrests
- Adjustable Steering column
- Battery disconnection switch
- Working lights (front / rear) - LED
- Standard hydraulic oil
- Testports on Hydrocomponents
- Manual hood opening and Cab tilting
- Telematics Ready
- Ammann color design and decals
- External draining points
- On-board diagnostics

AMMANN

ARS 110.1

StIIIA / T3



WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT ROPS-FOPS	11 400 kg (25 133 lb)
OPERATING WEIGHT CAB	11 465 kg (25 276 lb)
OPERATING WEIGHT CAB MAX.	13 317 kg (29 359 lb)
STATIC LINEAR LOAD	30.3 kg/cm (169.7 lb/in)
NUMBER OF PADS	–
PAD CONTACT SURFACE	–
PAD HEIGHT	–
MAX. WORKING SPEED	7 km/h (4.3 mph)
MAX. TRANSPORT SPEED	12 km/h (7.5 mph)
GRADEABILITY WITHOUT VIBRATION	50%
GRADEABILITY WITH VIBRATION	40%
TURNING RADIUS (INNER)	3595 mm (141.5 in)

ENGINE

MANUFACTURER	Deutz
ENGINE TYPE	TCD2012
POWER OUTPUT ISO 14396	96 kW (130HP)
ENGINE SPEED	2200 rpm
EXHAUST GAS AFTER-TREATMENT	no EAT
EMISSION STAGE	EU Stage IIIA / U.S. EPA Tier 3

COMPACTION FORCES

FREQUENCY I	32 Hz (1920 vpm)
FREQUENCY II	35 Hz (2100 vpm)
AMPLITUDE I	1.85 mm (0.073 in)
AMPLITUDE II	0.9 mm (0.035 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)
HYDRAULIC TANK CAPACITY	76 l (20.1 gal)
STEERING ANGLE	±36°
OSCILLATION ANGLE	±10°
BATTERY VOLTAGE	24V
BATTERY CAPACITY	2x75 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)

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For additional product information and services please visit: www.ammann.com
Materials and specification data are subject to change without notice.
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