

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, 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
- ATC - Ammann Traction Control
- Back-up alarm
- Back-up alarm adaptive
- Cab ROPS
- ROPS cab with A/C
- 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
- Registration plate holder incl. light
- Road lights incl. turn signals
- Scrapers vulcolan for smooth drum
- Maintenance Kit 500h
- Telematics Servicelink Plus
- Telematics preparation
- Toolset
- Tractor tyres
- Tyre ballast -25°C
- Warning beacon LED

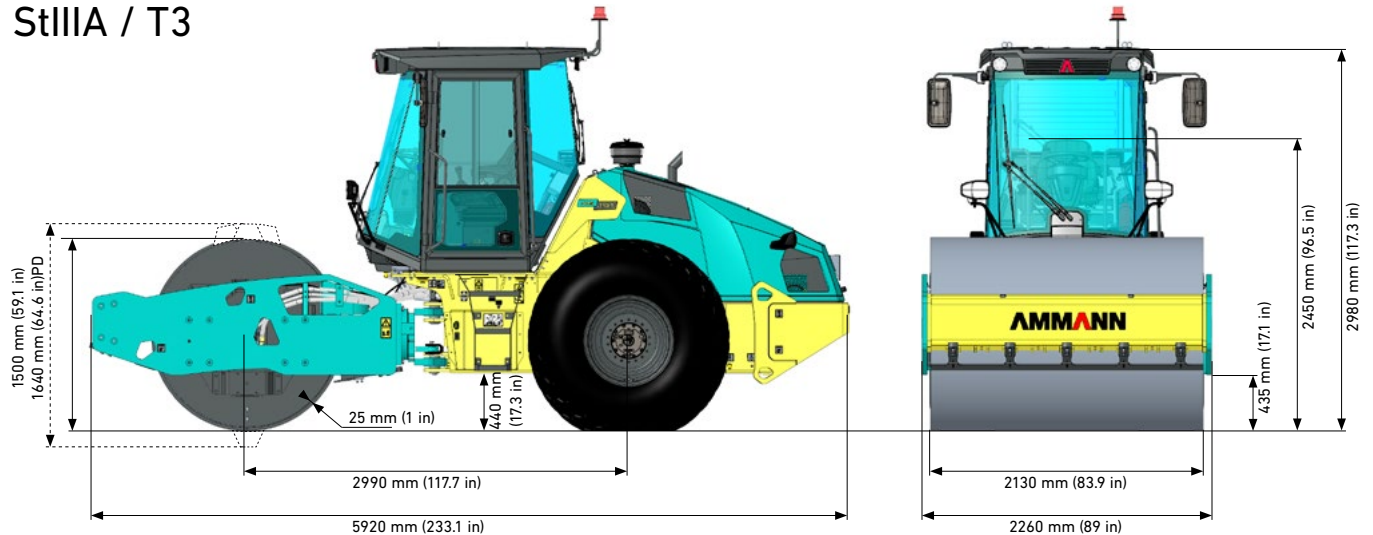
STANDARD EQUIPMENT

- Open platform with plastic roof ROPS
- Smooth drum
- Steel scrapers
- Diamond tread tyres
- ECODrop
- Inter wheel flow divider
- 2 amplitudes / 2 frequencies
- Operator's station with one drive lever (RH)
- Rotatable and horizontally adjustable driver's seat with armrests
- Adjustable steering column
- Battery disconnection switch - Mechanical
- Working lights (front / rear) - LED
- Standard hydraulic oil
- Testports on hydrocomponents
- Manual hood opening and Cab tilting
- Telematics Ready
- Ammann color design and decals
- Centralized draining points
- On-board diagnostics

AMMANN

ARS 110.1

StIIIA / T3



WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT (OPEN ROPS-FOPS) CECE	11 400 kg (25,133 lb)
OPERATING WEIGHT (CAB ROPS-FOPS) CECE	11 465 kg (25,276 lb)
OPERATING WEIGHT (CAB ROPS-FOPS) MAX.	13 317 kg (29,359 lb)
STATIC LINEAR LOAD	30.5 kg/cm (170.8 lb/in)
PAD CONTACT SURFACE	-
PAD HEIGHT	-
MAX. TRANSPORT SPEED	12 km/h (7.5 MPH)
MAX. WORKING SPEED	7 km/h (4.3 MPH)
GRADEABILITY WITH VIBRATION	40%
GRADEABILITY WITHOUT VIBRATION	50%
TURNING RADIUS (INNER)	3595 mm (141.5 in)

ENGINE

TYPE	Deutz TCD2012L042V
POWER ACCORDING TO ISO 14396	96 kW (130 HP)
EXHAUST GAS AFTER-TREATMENT	no EAT
EMISSION STAGE	EU Stage IIIA / U.S. EPA Tier 3

COMPACTION FORCES

FREQUENCY I	35 Hz (2100 vpm)
FREQUENCY II	32 Hz (1920 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)
ARTICULATION ANGLE	±36°
OSCILLATION ANGLE	±10°
OPERATING VOLTAGE	24V DC
BATTERY	2 x 75 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)