

ARS 170.1

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

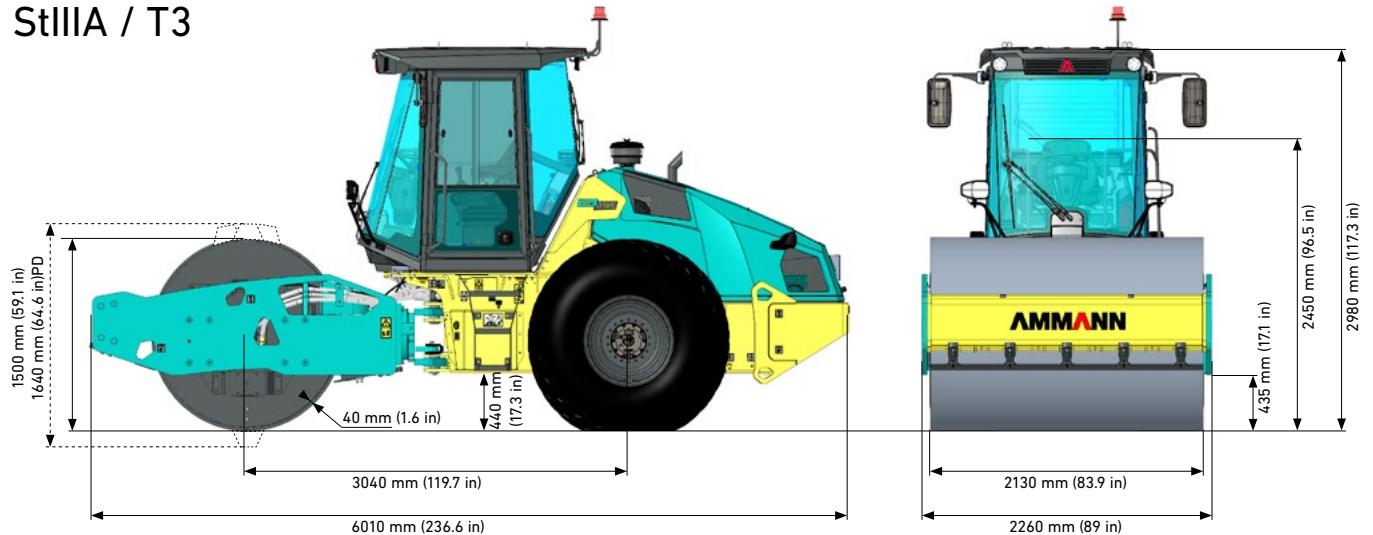
STANDARD EQUIPMENT

- 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 170.1

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WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT (OPEN ROPS-FOPS) CECE	15 825 kg (34,888 lb)
OPERATING WEIGHT (CAB ROPS-FOPS) CECE	15 890 kg (35,031 lb)
OPERATING WEIGHT (CAB ROPS-FOPS) MAX.	17 742 kg (39,114 lb)
STATIC LINEAR LOAD	50.2 kg/cm (281,1 lb/in)
PAD CONTACT SURFACE	-
PAD HEIGHT	-
MAX. TRANSPORT SPEED	11 km/h (6.8 MPH)
MAX. WORKING SPEED	7 km/h (4.3 MPH)
GRADEABILITY WITH VIBRATION	40%
GRADEABILITY WITHOUT VIBRATION	45%
TURNING RADIUS (INNER)	3775 mm (148.6 in)

ENGINE

TYPE	Deutz TCD2013 L042V
POWER ACCORDING TO ISO 14396	125 kW (168 HP)
EXHAUST GAS AFTER-TREATMENT	no EAT
EMISSION STAGE	EU Stage IIIA / U.S. EPA Tier 3

COMPACTION FORCES

FREQUENCY I	29 Hz (1740 vpm)
FREQUENCY II	35 Hz (2100 vpm)
AMPLITUDE I	1.9 mm (0.07 in)
AMPLITUDE II	0.95 mm (0.037 in)
CENTRIFUGAL FORCE I	335 kN (75,311 lbf)
CENTRIFUGAL FORCE II	260 kN (58,450 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	1400 mm (55 in)
SAND / GRAVEL	900 mm (35 in)
MIXED SOILS	800 mm (31 in)
SILT	600 mm (24 in)
CLAY	320 mm (13 in)