

ARS 110.1

SINGLE DRUM ROLLER

EU STAGE IIIA / U.S. EPA T3



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



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

OPTIONAL EQUIPMENT

- A/C Cab
- Cabin without A/C
- Radio FM
- Radio Preparation
- Scrapers Vulcolan for Smooth Drum
- Tractor Tyres
- Engine Air Inlet Pre-Cleaner
- Warning Beacon LED
- Hydraulic Oil Biodegradable
- Back-up Alarm
- Back-up Alarm Adaptive
- Ammann Traction Control ATC
- Tyre Ballast -25°C
- Color Scheme Customer
- Compaction Measuring System ACE
- Telematics Preparation
- Telematics Servicelink Plus
- CE Conformity
- Fuel Tank Lock
- Padfoot Shell Kit incl. Scrapers
- Road Lights incl. Turn Signals
- Registration Plate Holder incl. Light
- Fire Extinguisher
- Maintenance Kit 500h
- Toolset
- Certificate of Origin
- Overseas Shipping Preparation
- Additional Documentation Printed
- Rear View Camera

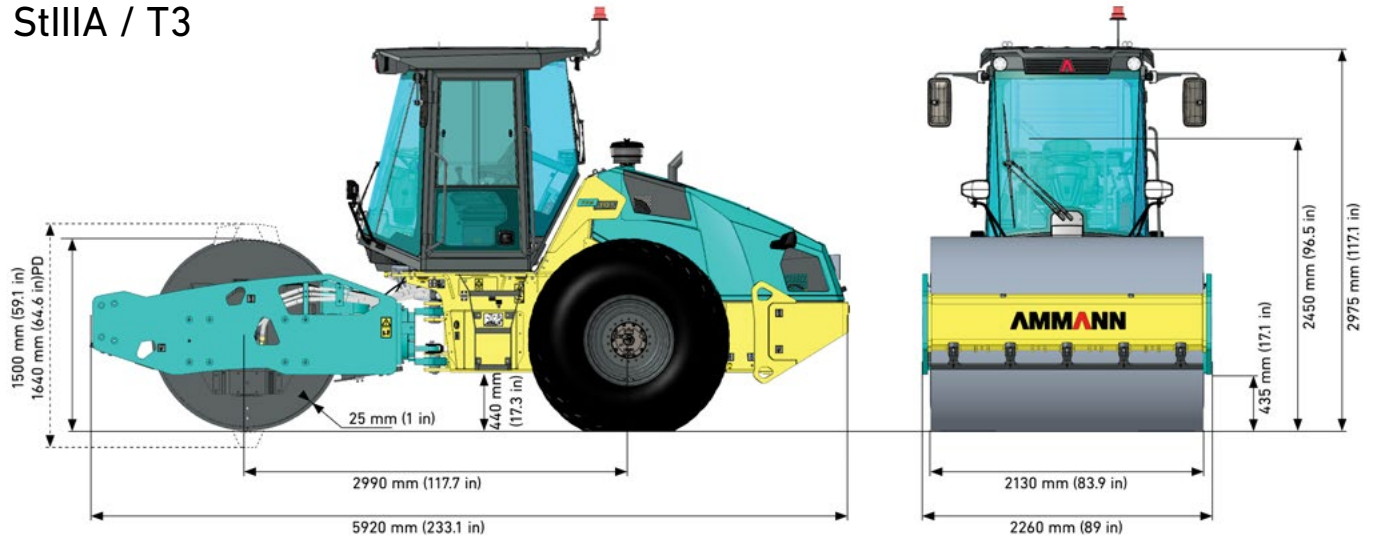
STANDARD EQUIPMENT

- Basic version propulsion (wheel and drum drive); flow divider between wheels
- Smooth Drum, 2 Frequencies/2 Amplitudes Vibration System
- ROPS Open Platform with Rails and Working Lights
- Steel Scrapers
- Diamond Tread Tyres
- Ammann Color Scheme

AMMANN

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WEIGHT & OPERATING CHARACTERISTICS

| | Open ROPS-FOPS | Cab ROPS-FOPS |
|--------------------------|-------------------------|-------------------------|
| OPERATING WEIGHT CECE | 11 400 kg (25,133 lb) | 11 600 kg (25,574 lb) |
| OPERATING WEIGHT MAX. | 13 140 kg (28,969 lb) | 13 140 kg (28,969 lb) |
| STATIC LINEAR LOAD | 30.2 kg/cm (66.6 lb/in) | 31.1 kg/cm (68.6 lb/in) |
| PAD CONTACT SURFACE | - | - |
| PAD HEIGHT | - | - |
| MAX. TRANSPORT SPEED | 12 km/h (7.5 MPH) | 12 km/h (7.5 MPH) |
| MAX. WORKING SPEED | 5 km/h (3.11 MPH) | 5 km/h (3.11 MPH) |
| THEORETICAL GRADEABILITY | 70% | 70% |
| TURNING RADIUS (INNER) | 3595 mm (141.5 in) | 3595 mm (141.5 in) |

ENGINE

| | |
|------------------------------|-----------------------------|
| TYPE | Deutz TCD2012L042V |
| POWER ACCORDING TO ISO 14396 | 96 kW (128.7 HP) |
| EXHAUST GAS AFTER-TREATMENT | no EAT |
| EMISSION STAGE | EU Stage IIIA / U.S. EPA T3 |

COMPACTION FORCES

| | |
|----------------------|---------------------|
| FREQUENCY I | 35 Hz (2100 vpm) |
| FREQUENCY II | 32 Hz (1920 vpm) |
| AMPLITUDE I | 1.9 mm (0.07 in) |
| AMPLITUDE II | 0.85 mm (0.03 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 | 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) |