

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 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

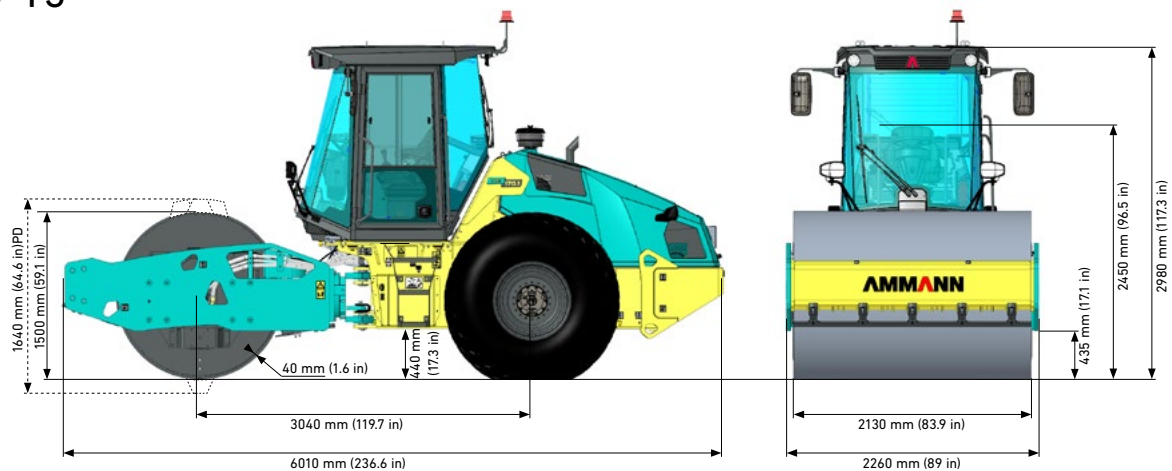
- Additional documentation printed
- Ammann Traction Control - ATC
- Back-up alarm
- Back-up alarm adaptive
- Cab ROPS
- Cab noise reduction kit
- ROPS cab with A/C
- Certificate of origin
- Compaction measuring system ACE
- Container shipment preparation
- Engine air inlet pre-cleaner
- Fire extinguisher
- 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

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StIIIA / T3



WEIGHT & OPERATING CHARACTERISTICS

OPERATING WEIGHT ROPS-FOPS	15 825 kg (34 888 lb)
OPERATING WEIGHT CAB	15 890 kg (35 031 lb)
OPERATING WEIGHT CAB MAX.	17 742 kg (39 114 lb)
STATIC LINEAR LOAD	50.2 kg/cm (281.1 lb/in)
NUMBER OF PADS	-
PAD CONTACT SURFACE	-
PAD HEIGHT	-
MAX. WORKING SPEED	7 km/h (4.3 MPH)
MAX. TRANSPORT SPEED	11 km/h (6.8 MPH)
GRADEABILITY WITHOUT VIBRATION	45%
GRADEABILITY WITH VIBRATION	40%
TURNING RADIUS (INNER)	3775 mm (148.6 in)

ENGINE

MANUFACTURER	Deutz
ENGINE TYPE	TCD2013
POWER OUTPUT ISO 14396	125 kW (168HP)
ENGINE SPEED	2200 rpm
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 (73 311 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)
STEERING ANGLE	±36°
OSCILLATION ANGLE	±10°
BATTERY VOLTAGE	24 V
BATTERY CAPACITY	2x75 Ah

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

ROCKFILL	1400 mm (55.1 in)
SAND / GRAVEL	900 mm (35.4 in)
MIXED SOILS	800 mm (31.4 in)
SILT	600 mm (23.6 in)
CLAY	320 mm (12.6 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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