

ARS 170

SINGLE DRUM ROLLER

EU STAGE V / U.S. EPA TIER 4 FINAL

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

- A/C
- A/C without cooling medium
- Additional documentation printed
- AmmannCare Diamond
- AmmannCare Platinum
- AmmannCare Gold
- AmmannCare Silver
- Ammann Documentation Syst. ADS
- Ammann Documentation Syst. ADS RTK
- Additional storage rack Cab version
- ATC - Ammann Traction Control
- Back-up alarm
- Back-up alarm adaptive
- Cab ROPS
- Certificate of origin
- Color scheme customer
- Compaction measuring system ACE^{force}
- Container shipment preparation
- Dozer blade incl. transport lock
- Drive HX (ATC mandatory)
- Drum PD - including scrapers
- Engine air inlet pre-cleaner
- Fire extinguisher
- Fuel tank lock
- GPS Q-Compaction ACE
- GPS Q-Compaction preparation ACE
- Homologation Italy (plate only)
- Hydraulic oil biodegradable
- Measuring points central
- Padfoot Shell Kit - including scrapers
- Plate for Static Test
- Radio DAB
- Radio preparation
- Rear view camera
- Registration plate holder incl. light
- Road lights incl. turn signals
- Scrapers vulcan for smooth drum
- Seat belt 3"
- Maintenance Kit 2000h
- Maintenance Kit 500h
- Slow moving vehicle triangle
- Sun visor
- Tachograph complete
- Telematics Servicelink Plus
- Telematik Servicelink Pro
- Telematics preparation
- Tool box
- Toolset
- Tractor tyres
- Warning beacon LED
- Warning beacon LED green
- Greasing tool
- Weight increase kit additional

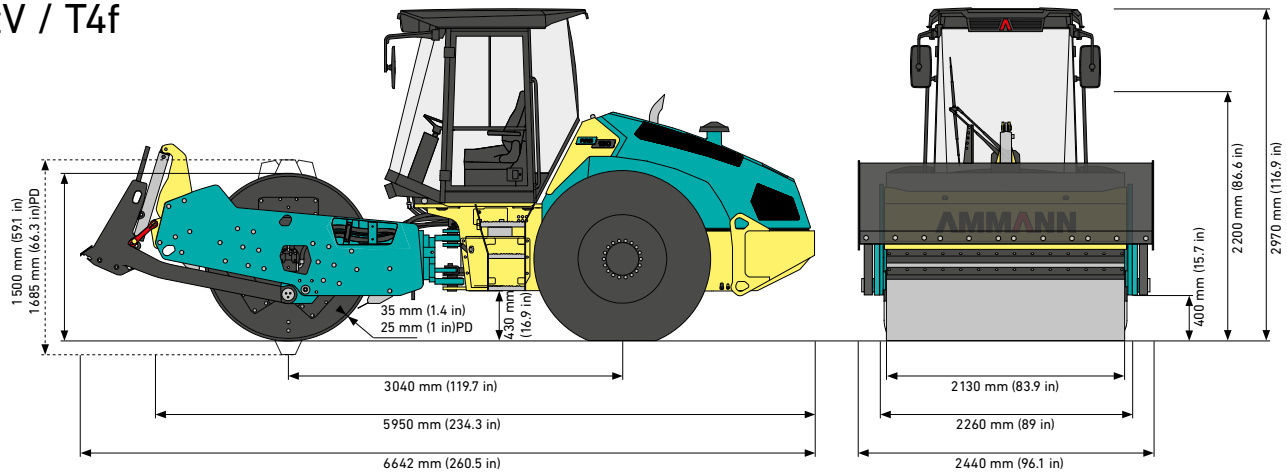
STANDARD EQUIPMENT

- Open platform with ROPS
- Smooth drum
- Steel scrapers
- Diamond tread tyres
- ECodrop
- Inter wheel flow divider
- 2 amplitudes / Multiple frequencies
- Operator's station with one drive lever (RH)
- Rotatable and horizontally adjustable driver's seat with armrests
- Multi-functional display for machine control and overview
- Adjustable steering column
- Intelligent drive lever
- 12V outlet
- 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
- Centralized draining points
- On-board diagnostics
- CE conformity
- Safety cover fan and alternator
- Tyre ballast -25°C

AMMANN

ARS 170

StV / T4f



WEIGHT & OPERATING CHARACTERISTICS

		PD	HX	HXPD
OPERATING WEIGHT	16 440 kg (36 244 lb)	16 655 kg (36 718 lb)	16 460 kg (36 288 lb)	16 675 kg (36 762 lb)
OPERATING WEIGHT MAX.	18 890 kg (41 645 lb)	17 590 kg (38 779 lb)	18 910 kg (41 689 lb)	17 610 kg (38 823 lb)
STATIC LINEAR LOAD	49.6 kg/cm (277.7 lb/in)	—	49.7 kg/cm (278.3 lb/in)	—
NUMBER OF PADS	—	140 pcs	—	140 pcs
PAD CONTACT SURFACE	—	120 cm ² (18.6 sq in)	—	120 cm ² (18.6 sq in)
PAD HEIGHT	—	100 mm (3.9 in)	—	100 mm (3.9 in)
MAX. WORKING SPEED	6.3 km/h (3.9 MPH)	6.3 km/h (3.9 MPH)	4.8 km/h (3.0 MPH)	4.8 km/h (3.0 MPH)
MAX. TRANSPORT SPEED	10 km/h (6.2 MPH)	10 km/h (6.2 MPH)	10 km/h (6.2 MPH)	10 km/h (6.2 MPH)
GRADEABILITY WITHOUT VIBRATION	48%	44%	65%	58%
GRADEABILITY WITH VIBRATION	40%	40%	55%	55%
TURNING RADIUS (INNER)	3 570 mm (140.6 in)	3 570 mm (140.6 in)	3 570 mm (140.6 in)	3 570 mm (140.6 in)

COMPACTION FORCES

		PD
FREQUENCY I	25–28 Hz (1500–1680 vpm)	25–28 Hz (1500–1680 vpm)
FREQUENCY II	25–35 Hz (1500–2100 vpm)	25–35 Hz (1500–2100 vpm)
CENTRIFUGAL FORCE I	265–333 kN (59574–74861 lbf)	265–333 kN (59574–74861 lbf)
CENTRIFUGAL FORCE II	113–222 kN (25403–49908 lbf)	113–222 kN (25403–49908 lbf)
AMPLITUDE I	2.28 mm (0.090 in)	2.06 mm (0.081 in)
AMPLITUDE II	1.03 mm (0.041 in)	0.95 mm (0.037 in)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

		PD
ROCKFILL	* 1 400 mm (55 in)	—
SAND / GRAVEL	* 900 mm (35 in)	—
MIXED SOILS	* 800 mm (31 in)	* 800 mm (31 in)
SILT	600 mm (24 in)	* 600 mm (24 in)
CLAY	320 mm (13 in)	* 370 mm (15 in)

* Recommended drum type

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	345 l (91.1 gal)
DEF TANK CAPACITY	22 l (5.8 gal)
HYDRAULIC OIL CAPACITY	76 l (20.1 gal)
STEERING ANGLE	±36°
OSCILLATION ANGLE	±10°
BATTERY VOLTAGE	24V
BATTERY CAPACITY	2x90 Ah

ENGINE

MANUFACTURER	Perkins
ENGINE TYPE	904J
POWER ACCORDING TO ISO 14396	106 kW (142 HP)
ENGINE SPEED	2200 rpm
EXHAUST GAS AFTER-TREATMENT	EGR+DOC+DPF+SCR
EMISSION STAGE	EU Stage V / U.S. EPA Tier 4 Final

ARS 170 StV

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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