

ARS 50

SINGLE DRUM ROLLER

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

APPLICATIONS

- Confined work spaces
- Landscaping projects
- Forest, dirt local roads
- Walking/bicycle paths
- Pipeline construction
- Housing developments



PRODUCTIVITY

No-rear-axle

Provides low centre of gravity and high versatility.

Compaction performance

Two frequency setting 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

ECOdrops

Improved efficiency, reduced use of fluids.

Digitalization

Advanced monitoring and measuring systems.

OPTIONAL EQUIPMENT

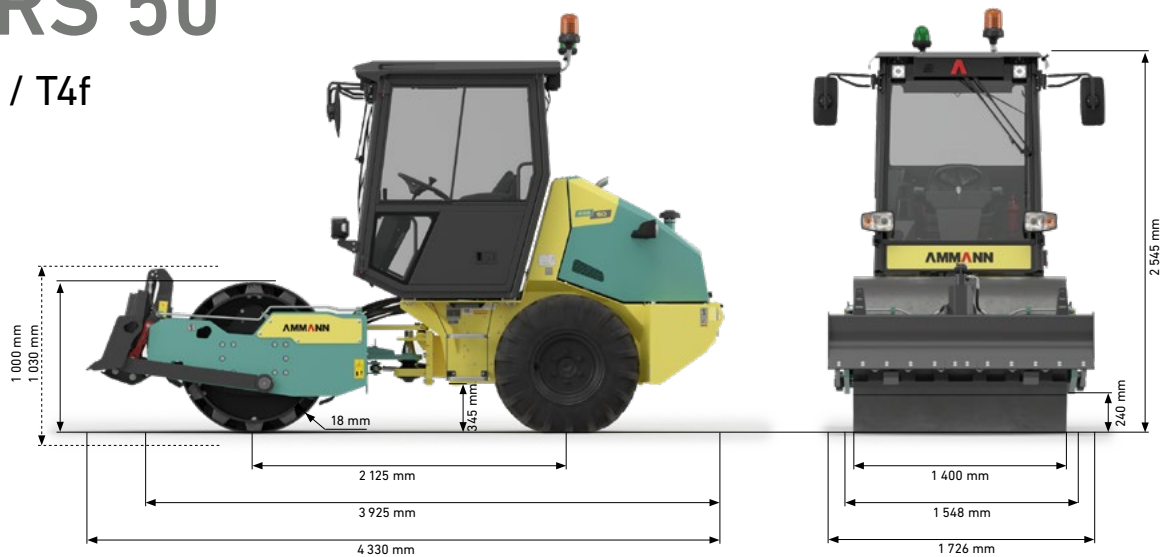
- A/C
- A/C without cooling medium
- Additional documentation printed
- Additional lights 360° LED
- AmmannCare Diamond
- AmmannCare Platinum
- AmmannCare Gold
- AmmannCare Silver
- Ammann Documentation Syst. ADS
- Ammann Documentation Syst. ADS RTK
- Back-up alarm
- Back-up alarm adaptive
- Cab ROPS
- Certificate of origin
- Color scheme customer
- Compaction measuring system ACE^{force}
- Dozer blade incl. transpot lock
- Drive HX
- Drum PD - including scrapers
- Engine air inlet pre-cleaner
- Engine pre-heating
- Fire extinguisher
- Fuel tank lock
- Homologation Italy (plate only)
- Hydraulic oil biodegradable
- Radio DAB
- Radio preparation
- Rear windscreen
- Registration plate holder incl. light
- Road lights incl. turn signals
- Safety screen
- Scrapers vulcolan for smooth drum
- Seat belt 3"
- Seat options armrest
- Maintenance Kit 2000h
- Maintenance Kit 1000h
- Maintenance Kit 500h
- Slow moving vehicle triangle
- Smooth shell kit incl. scrapers
- Sun visor
- Telematics Servicelink Plus
- Telematik Servicelink Pro
- Telematics preparation
- Tool box
- Toolset
- Tractor tyres wide 12.5"
- Tyre ballast -25°C
- Warning beacon LED
- Warning beacon LED green

STANDARD EQUIPMENT

- Twin-Lock system
- Open platform with ROPS
- Smooth drum
- Steel scrapers
- ECOdrops
- 1 amplitude / 2 frequencies
- Operator's station with one drive lever (RH)
- Multi-functional display for machine control and overview
- 12V outlet
- Battery disconnection switch
- Working lights (front / rear) - LED
- Standard hydraulic oil
- Testports on hydrocomponents
- Manual hood tilting
- Telematics Ready
- Ammann color design and decals
- External draining points
- On-board diagnostics
- CE conformity
- Tractor tyres

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StV / T4f



WEIGHT & OPERATING CHARACTERISTICS

		PD	HX	HXPD
OPERATING WEIGHT	4 230 kg (9 326 lb)	4 240 kg (9 348 lb)	4 290 kg (9 458 lb)	4 300 kg (9 480 lb)
OPERATING WEIGHT MAX.	4 430 kg (9 766 lb)	5 220 kg (11 508 lb)	4 740 kg (10 450 lb)	5 280 kg (11 640 lb)
STATIC LINEAR LOAD	16,1 kg/cm (90.2 lb/in)	-	16,5 kg/cm (92.4 lb/in)	-
NUMBER OF PADS	-	63 pcs	-	63 pcs
PAD CONTACT SURFACE	-	75 cm ² (11.6 sq in)	-	75 cm ² (11.6 sq in)
PAD HEIGHT	-	60 mm (2.4 in)	-	60 mm (2.4 in)
MAX. WORKING SPEED	9,5 km/h (5.9 MPH)	9,5 km/h (5.9 MPH)	9,6 km/h (6.0 MPH)	9,6 km/h (6.0 MPH)
MAX. TRANSPORT SPEED	12 km/h (7.5 MPH)	12 km/h (7.5 MPH)	7,6 km/h (4.7 in)	7,6 km/h (4.7 in)
GRADEABILITY WITHOUT VIBRATION	40%	40%	45%	45%
GRADEABILITY WITH VIBRATION	30%	30%	35%	35%
TURNING RADIUS (INNER)	3 270 mm (128.7 in)	3 270 mm (128.7 in)	3 270 mm (128.7 in)	3 270 mm (128.7 in)

COMPACTION FORCES

		PD
FREQUENCY I	29 Hz (1740 vpm)	29 Hz (1740 vpm)
FREQUENCY II	37 Hz (2220 vpm)	37 Hz (2220 vpm)
CENTRIFUGAL FORCE I	53 kN (11,915 lbf)	53 kN (11,915 lbf)
CENTRIFUGAL FORCE II	85 kN (19,109 lbf)	85 kN (19,109 lbf)
AMPLITUDE I	1,6 mm (0.063 in)	1,5 mm (0.059 in)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

		PD
ROCKFILL	-	-
SAND / GRAVEL	* 400 mm (16 in)	-
MIXED SOILS	* 300 mm (12 in)	* 300 mm (12 in)
SILT	200 mm (8 in)	* 200 mm (8 in)
CLAY	100 mm (4 in)	* 150 mm (6 in)

* Recommended drum type

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	98 l (25.9 gal)
HYDRAULIC TANK CAPACITY	45 l (11.9 gal)
STEERING ANGLE	±30°
OSCILLATION ANGLE	±10°
BATTERY VOLTAGE	12V
BATTERY CAPACITY	90 Ah

ENGINE

MANUFACTURER	Kubota
ENGINE TYPE	V2403-CR-T
POWER OUTPUT SAE J1995	43,2 kW (58 HP)
ENGINE SPEED	2400 rpm
EXHAUST GAS AFTER-TREATMENT	EGR+DOC+DPF
EMISSION STAGE	EU Stage V / U.S. EPA Tier 4 Final

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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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