

ARS 70

SOIL COMPACTOR

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

APPLICATIONS

- Medium construction sites
- Municipal and town roads
- Pipeline construction
- Social and industrial development areas
- Housing developments
- Backfill work



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

Advanced technologies

Machine usage controlled to bring efficiency, productivity – and enable precise documentation

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
- 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. transpot lock
- Drive HX
- Drum PD - including scrapers
- Fire extinguisher
- GPS Q-Compaction ACE
- GPS Q-Compaction preparation ACE
- Homologation Italy (plate only)
- Hydraulic oil biodegradable
- Measuring points central
- Padfoot Shell Kit - including scrapers
- Radio DAB
- Radio preparation
- Rear view camera
- Registration plate holder incl. light
- Road lights incl. turn signals
- Scrapers vulcolan 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
- Toolset
- Tractor tyres
- Tyre ballast -25°C
- Warning beacon LED
- Warning beacon LED green
- Greasing tool

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
- Telematics Ready
- Ammann color design and decals
- Centralized draining points
- On-board diagnostics
- CE conformity
- Engine air inlet pre-cleaner
- Safety cover fan and alternator

AMMANN

ARS 70

StV / T4f



WEIGHT & OPERATING CHARACTERISTICS

		PD	HX	HXPd
OPERATING WEIGHT	6 545 kg (14429 lb)	6 965 kg (15335 lb)	6 545 kg (14429 lb)	6 965 kg (15335 lb)
OPERATING WEIGHT MAX.	8 400 kg (18519 lb)	8 820 kg (18519 lb)	8 400 kg (18519 lb)	8 820 kg (18519 lb)
STATIC LINEAR LOAD	23,2 kg/cm (129.9 lb/in)	—	23.2 kg/cm (129.9 lb/in)	—
NUMBER OF PADS	—	112 pcs	—	112 pcs
PAD CONTACT SURFACE	—	82,5 cm ² (12.8 sq in)	—	82,5 cm ² (12.8 sq in)
PAD HEIGHT	—	80 mm (3.1 in)	—	80 mm (3.1 in)
MAX. WORKING SPEED	6 km/h (3.7 MPH)	6 km/h (3.7 MPH)	6 km/h (3.7 MPH)	6 km/h (3.7 MPH)
MAX. TRANSPORT SPEED	12 km/h (7.5 MPH)	12 km/h (7.5 MPH)	12 km/h (7.5 MPH)	12 km/h (7.5 MPH)
GRADEABILITY WITHOUT VIBRATION	52%	54%	68%	64%
GRADEABILITY WITH VIBRATION	48%	51%	52%	51%
TURNING RADIUS (INNER)	2 580 mm (101.6 in)	2 580 mm (101.6 in)	2 580 mm (101.6 in)	2 580 mm (101.6 in)

COMPACTION FORCES

		PD
FREQUENCY I	25–34 Hz (1500–2040 vpm)	25–33 Hz (1500–1980 vpm)
FREQUENCY II	25–36 Hz (1500–2160 vpm)	25–36 Hz (1500–2160 vpm)
CENTRIFUGAL FORCE I	71–131 kN (15961–29450 lbf)	90–156 kN (20233–35070 lbf)
CENTRIFUGAL FORCE II	31–64 kN (6969–14388 lbf)	38–75 kN (8543–16861 lbf)
AMPLITUDE I	1,6 mm (0.063 in)	1,65 mm (0.065 in)
AMPLITUDE II	0,7 mm (0.028 in)	0,71 mm (0.028 in)

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

		PD
ROCKFILL	—	—
SAND / GRAVEL	* 450 mm (18 in)	—
MIXED SOILS	* 350 mm (14 in)	* 350 mm (14 in)
SILT	250 mm (10 in)	* 250 mm (10 in)
CLAY	150 mm (6 in)	* 200 mm (8 in)

* Recommended drum type

MISCELLANEOUS

BRAKES OPERATING	Hydrostatische
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	130 l (34.34 gal)
HYDRAULIC OIL CAPACITY	53 l (14.0 gal)
STEERING ANGLE	±35°
OSCILLATION ANGLE	±9°
BATTERY VOLTAGE	12V
BATTERY CAPACITY	120 Ah

ENGINE

MANUFACTURER	Kubota
ENGINE TYPE	V3307-CR-T
POWER OUTPUT SAE J1995	53 kW (71 HP)
ENGINE SPEED	2200 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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