

ARS 200

SOIL COMPACTOR
EU Stage IIIA / U.S. EPA Tier 3

EFFICIENT COMPACTION LEADER

Ammann continues to be the industry leader in compaction output while defining new highest standards in efficiency and cost saving through the ARS 200 Soil Compactor.

The machines meet EU Stage IIIA / U.S. EPA Tier 3 emissions standards. The machines also meet the highest operator standards, with intuitive control via a centralized multifunctional display built into the steering wheel. A wide range of compaction tools such as the ACE^{force} system help operators monitor indications of compaction.

APPLICATIONS

- Airports runways
- Industrial zones
- Dumpsite construction

PRODUCTIVITY

- High compaction output - faster compaction of thicker layers in fewer passes
- No-rear-axle concept – optimal stability and low center of gravity, which significantly improves safety on jobsites
- Variable range of vibration frequencies for added versatility
- ACE^{force} Intelligent Compaction tool for higher compaction efficiency

ERGONOMICS

- Spacious, quiet cab with integrated ROPS structure
- New multifunctional display for intuitive machine control and operation
- Excellent machine visibility with 360° view to machine edges and surroundings
- Innovative travel lever with speed adjustment and wider machine speed range (newly 5+1 speed instead of 3+1)

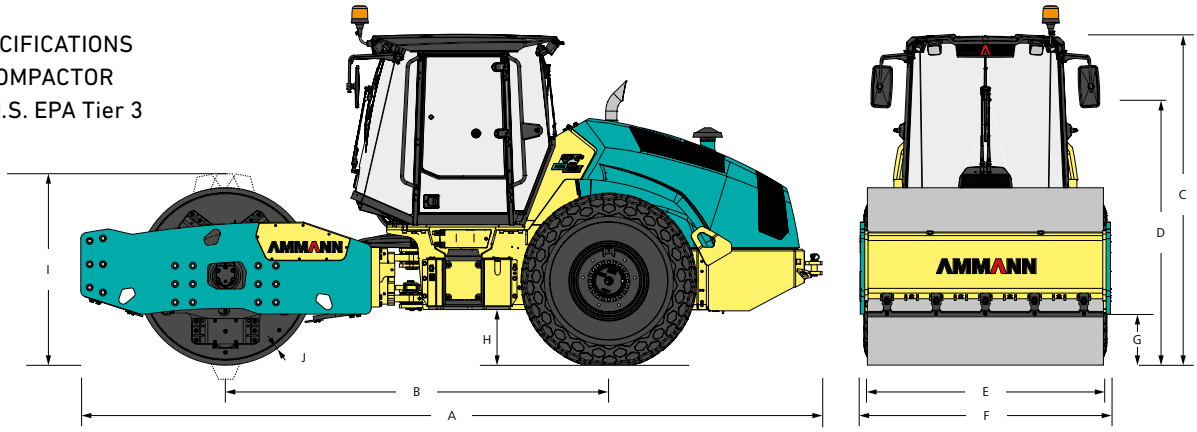
SERVICEABILITY

- All service points and engine compartment accessible from the ground
- Wide-opening rear hood for easy and fast daily maintenance
- Tiltable cab for exceptional access to main hydraulic components, which significantly reduces labour
- ECOdrop – machine efficiency and reductions in fuel consumption and required fluids

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ARS 200	1700 mm (67 in)	1000 mm (39.4 in)	850 mm (33.5 in)	650 mm (25.6 in)	300 mm (11.8 in)

TECHNICAL SPECIFICATIONS
ARS 200 SOIL COMPACTOR
EU Stage IIIA / U.S. EPA Tier 3



DIMENSIONS

A	MACHINE LENGTH	6688 mm (263.3 in)
B	WHEELBASE	3460 mm (136.2 in)
C	MACHINE HEIGHT	2985 mm (117.5 in)
D	MACHINE HEIGHT (OPERATOR SEAT)	2565 mm (101 in)
E	DRUM WIDTH	2130 mm (83.9 in)
F	MACHINE WIDTH	2258 mm (88.9 in)
G	CURB CLEARANCE	460 mm (18.1 in)
H	GROUND CLEARANCE	500 mm (19.7 in)
I	DRUM DIAMETER	1600 mm (63 in) / *1795 mm (70.7 in)
J	DRUM THICKNESS	45 mm (1.8 in) / *30 mm (1.2 in)
		*PD

ENGINE

MANUFACTURER	DEUTZ TCD 6.1 L6
POWER ACCORDING TO ISO 14396	160 kW (215 HP)/2300 rpm
EXHAUST GAS AFTER-TREATMENT	–
	EU Stage IIIA / U.S. EPA Tier 3

COMPACTION FORCES

		PD
FREQUENCY I	23–27 Hz (1380–1620 vpm)	23–27 Hz (1380–1620 vpm)
FREQUENCY II	30–34 Hz (1800–2040 vpm)	30–34 Hz (1800–2040 vpm)
AMPLITUDE I	2 mm (0.079 in)	2 mm (0.079 in)
AMPLITUDE II	1 mm (0.039 in)	1 mm (0.039 in)
CENTRIFUGAL FORCE I	275–375 kN (61,822–84,303 lbf)	275–375 kN (61,822–84,303 lbf)
CENTRIFUGAL FORCE II	233–300 kN (58,380–67,443 lbf)	233–300 kN (58,380–67,443 lbf)

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-discspring brake
BRAKES EMERGENCY	Multiple-discspring brake
FUEL TANK CAPACITY	350 l (92.4 gal)
ARTICULATION ANGLE	±36°
OSCILLATION ANGLE	±10°

WEIGHT & OPERATING CHARACTERISTICS

		HX	PD	HXPD
OPERATING WEIGHT	19 750 kg (43,540 lb)	19 750 kg (43,540 lb)	19 875 kg (43,820 lb)	19 875 kg (43,820 lb)
MAXIMUM WEIGHT	23 170 kg (51,080 lb)	23 170 kg (51,080 lb)	20 980 kg (46,250 lb)	20 980 kg (46,250 lb)
STATIC LINEAR LOAD	58.6 kg/cm (328.2 lb/in)	58.6 kg/cm (328.2 lb/in)	–	–
PAD CONTACT SURFACE	–	–	143 cm² (22.2 sq in)	143 cm² (22.2 sq in)
PAD HEIGHT	–	–	120 kg (4,7 lb)	120 kg (4,7 lb)
MAX. TRANSPORT SPEED	12 km/h (7.46 mph)	11 km/h (6.84 mph)	12 km/h (7.46 mph)	11 km/h (6.84 mph)
MAX. WORKING SPEED	7 km/h (4.35 mph)	7 km/h (4.35 mph)	7 km/h (4.35 mph)	7 km/h (4.35 mph)
CLIMBING ABILITY WITHOUT / WITH VIBRATION	55 / 50 %	60 / 55 %	55 / 50 %	60 / 55 %
TURNING RADIUS (INNER)	4370 mm (172 in)	4370 mm (172 in)	4370 mm (172 in)	4370 mm (172 in)

STANDARD EQUIPMENT

- ATC (Ammann Traction Control)
- Smooth drum
- Multiple frequencies / 2 amplitudes vibration system
- Multifunctional operator display
- Electrohydraulic cab and hood tilting
- Working lights head and rear
- Hydraulic test ports on components
- Diamond tread tires
- Telematics ready

OPTIONAL EQUIPMENT

- ACE[force]
- PD Drum (or PD Shell Kit)
- HX Drive version
- Air Condition for cab
- Radio with CD
- 360° Illumination Kit
- Ammann Toolkit
- Road lighting
- Warning beacon
- Back-up alarm
- Centralised hydaulic test ports
- Tractor tires

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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