

ARS 30

SOIL COMPACTOR

EU Stage V / U.S. EPA Tier 4 Final



POWER AND FUEL EFFICIENCY

The Ammann ARS 30 Single Drum Rollers utilise advanced technology, innovative engineering and robust engines with the latest emission standards. A combination of a well-balanced engine, fully hydrostatic drive system and control deliver exceptional fuel consumption. That efficiency and a large fuel tank means a roller need only be fuelled once every three working shifts.

APPLICATIONS

- Landscaping
- Forest roads
- Municipal roads
- Walking/bicycle paths
- Pipeline construction
- Electric cable construction

PRODUCTIVITY

High compaction output

Fast, precise compaction in the fewest possible passes

No-rear-axle concept

Utilises unique machine design with low centre of gravity for improved stability, manoeuvrability and optimal jobsite safety

Twin-lock drive

Improves traction and reduces slipping of axles

ERGONOMICS

Simple & reliable dashboard

Intuitive machine control, even with an unskilled operator

Unobstructed visibility

Excellent all-around machine visibility for safety on the jobsite

Operator workplace

Ergonomically friendly operator station designed for high operator comfort during working day

SERVICEABILITY

ECOdrop

Smart machine functions and new technologies improve efficiency and reduce fuel consumption and the amount of required fluids.

Ground servicing

Convenient access to all maintenance points

Solid design

Robust machine design to minimise downtime

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

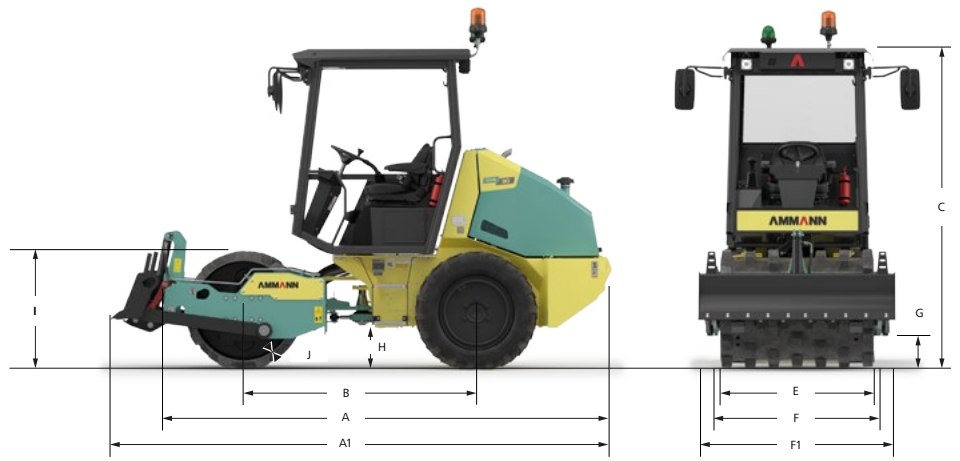
	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ARS 30	-	* 300 mm (12 in)	* 250 mm (10 in)	150 mm (6 in)	-
ARS 30 (PD)	-	-	* 250 mm (10 in)	* 150 mm (6 in)	* 100 mm (4 in)

* Recommended drum type



Republica Moldova, MD-2023
mun. Chişinău, str. Uzinelor 90
+ /373/ 67 707 707
office@etop.md
www.etop.md

TECHNICAL SPECIFICATIONS
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DIMENSIONS		
A	Machine length	3529 mm (138,9 in)
A1	Machine length (blade)	3941 mm (155,2 in)
B	Wheelbase	1830 mm (72 in)
C	Machine height	2556 mm (100,6 in)
E	Drum width	1200 mm (47,2 in)
F	Machine width	1338 mm (52,7 in)
F1	Machine width (blade)	1516 mm (59,7 in)
G	Curb clearance	236 mm (9,3 in)
H	Ground clearance	322 mm (12,7 in)
I	Drum diameter	930 mm (36,6 in) / *960 mm (37,8 in)
J	Drum thickness	15 mm (0,6 in)

*Smooth shell

ENGINE	
Manufacturer	Kubota V2403-CR-T
Power output ISO 14396	43.2 kW (58 HP)
Exhaust gas after-treatment	EGR+DOC+DPF
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COMPACTION FORCES		
		PD
Frequency I	29 Hz (1740 vpm)	29 Hz (1740 vpm)
Frequency II	38 Hz (2280 vpm)	38 Hz (2280 vpm)
Amplitude	1,6 mm (0,06 in)	1,5 mm (0,06 in)
Centrifugal force I	37 kN (8318 lbf)	37 kN (8318 lbf)
Centrifugal force II	68 kN (15 287 lbf)	68 kN (15 287 lbf)

MISCELLANEOUS	
Brakes operating	Hydrostatic
Parking brakes	Multiple-disc spring brake
Emergency brakes	Multiple-disc spring brake
Fuel tank capacity	98 l (25.9 gal)
Articulation angle	±30°
Oscillation angle	±10°

WEIGHT & DRIVING CHARACTERISTIC		
		PD
Operating weight CECE	3480 kg (7670 lb)	3490 kg (7690 lb)
Max. operating weight	3770 kg (8310 lb)	4500 kg (9920 lb)
Static linear load	13,96 kg/cm (78,2 lb/in)	-
Number of pads	-	63 pcs
Pad contact surface	-	75 cm ² (11,6 sq in)
Pad height	-	60 mm (2,4 in)
Max. travel speed	12 km/h (7,5 MPH)	12 km/h (7,5 MPH)
Max. working speed	9,5 km/h (5,9 MPH)	9,5 km/h (5,9 MPH)
Gradeability without /with vibration	40% / 30%	40% / 30%
Turning radius, inner (edge)	2800 mm (110,2 in)	2800 mm (110,2 in)

STANDARD

- CE conformity
- Ammann color scheme
- Wheel and drum drive
- Twin-lock system
- Smooth drum
- Steel scrapers
- 2 Frequencies/ 1 Amplitude vibration system
- Open platform with ROPS
- Manual tilting hood
- Tractor tread tyres
- Working lights
- On-board diagnostics
- Central draining points
- Testports on hydro-components

OPTIONAL EQUIPMENT

- PD drum incl. scrapers
- Smooth shell
- Vulcolan scrapers for smooth drum
- ROPS/FOPS cab
- Radio FM
- A/C with cooling medium
- Warning beacon LED green
- 3" seat belt
- Seat option armrests
- Ammann ServiceLink (telematics)
- Telematics ServiceLink start
- Telematics Trackunit
- Telematics Trackunit keyboard
- Telematics Topcon
- Telematics preparation
- Compaction measuring system ACE^{force}
- Road lights incl. turning signals
- Registration plate holder
- Additional lights 360° LED
- Warning beacon LED
- Slow moving vehicle triangle
- Dozer blade
- Back-up alarm
- Back-up alarm adaptive
- Rear view camera
- Engine air inlet precleaner
- Tractor tyres, 12,5" wide
- Tyre ballast - 25°
- Sun visor
- Rear window
- Cold weather engine kit



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