

ARS 122

SOIL COMPACTOR

STP
MACHINERY





Efficiency with High Value

The Ammann ARS 122 Soil Compactor provides outstanding productivity and reliability and is the industry leader in compaction efficiency. The powerful engine and heavy-duty hydrostatic drive of the wheels ensures great traction and travel performance at lower operating cost. The roller is suitable for compaction of a wide range of soil, from silt to crushed stones.



Traction and Maneuverability

- Hydraulic propulsion of wheels with independent hydromotors no axles
- Low centre of gravity for stability and manoeuvrability
- Better ground clearance



Industry-leading Compaction

- Utilities effective Ammann vibratory system
- Offers varied amplitude settings
- Drives energy into the material and away from the operator
- PD shell kit option available



Application

- Medium and large jobsite
- Transport construction (motorways, railways, airfields)
- Construction (industrial zones, harbours)
- Compaction of all kinds of soils and wet mixes



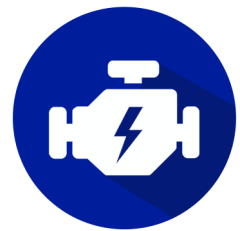
Operator Friendly

- Clear dashboard layout enables easy and safe operation
- Fully isolated operator platform for maximum operator comfort



Time and Cost Saver

- Easily accessible maintenance points
- Superior fuel efficiency



Engine

- Fuel efficiency, highly durable Cummins engine

Standard Equipment

- Drum and wheel propel system
- Operator platform with guard rails
- Lockable dashboard with Vandal guard
- Smooth drum
- Manual tilting of hood / cab / platform
- Working head lights front and rear
- Engine air pre-cleaner

Optional items

- Sunshade hard canopy
- ACE (Ammann Compaction Expert)
- Ammann Traction Optimizer (ATO)
- Working speed increase kit
- Tractor tyres
- Tool kit
- Service kit for 500h (engine & air filters)
- Bio degradable hydraulic oil
- Warning beacon
- Bolt on pad-foot shell kit
- Fire extinguisher
- Additional weight (1T)
- Cav (heated & ventilated)
- Air condition (Cab)
- ROPS
- ROPS with hard canopy

Technical Specification

ARS 122 Soil Compactor



Dimensions

A Machine length	5460 mm
B Wheelbase	2820 mm
C Machine height with Canopy	3030 mm
D Machine height (Removed Cab/Rops)	2375 mm
E Drum width	2130 mm
F Machine width	2260 mm
G Ground clearance	450 mm
H Drum diameter	1500 mm
I Drum shell thickness	25 mm
Tyre size	23.1 x 26-12 PR

Compaction Forces

Frequency (Low)	32 Hz
Frequency (High)	35 Hz
Amplitude (Low)	0.9 mm
Amplitude (High)	1.85 mm
Centrifugal force (Low)	160 kN
Centrifugal force (High)	275 kN

Weight & Driving Characteristic

Operating weight	10100 kg
Operating weight Cab + Rops	10480 kg
Max operating weight	12280 kg
Static weight at Drum	5200 kg
Static weight at Tyres	4900 kg
Static linear load, front	24.4 kg/cm
Transport (Max)	10.3 km/h
Working speed (Max)	5 km/h
Gradeability	45 %
Turning radius inner (Edge)	3210 mm
Steering / Oscillation angle	36 / 10

Miscellaneous

Drive system	Axial piston - closed loop
Vibration system	Axial piston - closed loop
Steering system	Gear pump
Brakes operating	Hydrostatic
Brakes parking	Mechanical multiple-disc
Fuel tank capacity	410 l
Hydraulic tank capacity	80 l
Bet tery voltage	12 V
Battery rating	150 AH

Maximum compacted lift thickness at optimal working conditions

	Rockfill	Sand/gravel	Mixed soils	Slit	Clay
ARS 122	0.85 m	0.7 m	0.55 m	*0.4 m	*0.3 m

*With PD shell kit

Engine

Manufacturer	Cummins 4BTAA3.9C99
Power according to ISO 3046-1	74 kW (99 HP) @ 2200 rpm
Power according to ISO 14396	74 kW (100 PS) @ 2200 rpm
No. of Cylinders	4
Type of Cooling	Water
Emission regulations	Bharat Stage III (equivalent to T3)



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