

# ARS 122

## SOIL COMPACTOR



### 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

### OPERATOR FRIENDLY

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

### INDUSTRY-LEADING COMPACTION

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

### TIME AND COST SAVER

- Easily accessible maintenance points
- Superior fuel efficiency

### ENGINE

- Fuel efficient, highly durable Cummins engine

### APPLICATIONS

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

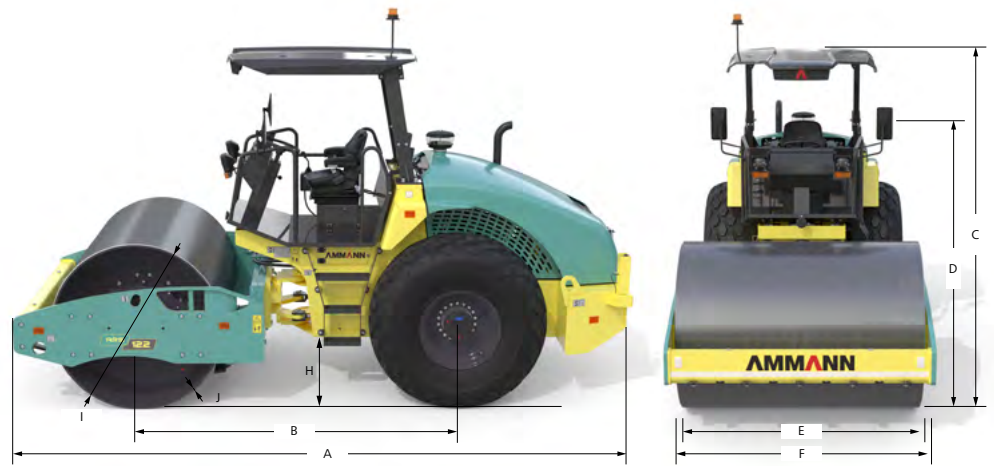
MAXIMUM COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

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

\*With PD shell kit

**AMMANN**

TECHNICAL SPECIFICATIONS  
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
H	GROUND CLEARANCE	450 mm
I	DRUM DIAMETER	1500 mm
J	DRUM SHELL THICKNESS	25 mm
	TYRE SIZE	23.1 x 26-12 PR

**WEIGHT & DRIVING CHARACTERISTIC**

OPERATING WEIGHT	11 200 kg
OPERATING WEIGHT CAB + ROPS	10 480 kg
MAX OPERATING WEIGHT	12 280 kg
STATIC WEIGHT AT DRUM	6 300 kg
STATIC WEIGHT AT TYRES	4900 kg
STATIC LINEAR LOAD, FRONT	29.6 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°

**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)

**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

**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

**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
BATTERY VOLTAGE	12 V
BATTERY RATING	150 AH



**OPTIONAL ITEMS**

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