

# ARS 121

## SOIL COMPACTOR BS III

### TRACTION AND PERFORMANCE

The Ammann ARS 121 BS III 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. The roller is suitable for compaction of a wide range of soil, from silt to crushed stones. The machine is equipped with an efficient turbocharged Cummins engine and reliable Rexroth hydraulics.

### TRACTION AND MANOEUVRABILITY

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

### OPERATOR FRIENDLY

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

### INDUSTRY-LEADING COMPACTION

- High-performing Ammann vibratory system
- Two-stage vibratory system
- Maximum compaction forces transferred to material

### TIME AND COST SAVER

- Easily accessible maintenance points
- Superior fuel efficiency

### APPLICATIONS

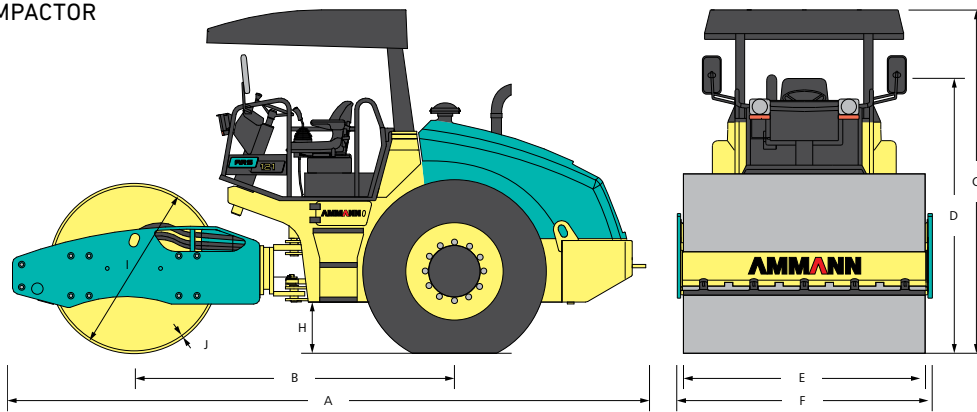
- Medium and large jobsites
- Transport construction (motorways, railways, airfields)
- Construction (industrial zones, harbours)
- Compaction of all kinds of soils and wet paves

#### MAXIMUM COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / gravel	Mixed soils	Silt	Clay
ARS 121	0,85 m ( in)	0,7 m ( in)	0,55 m ( in)	-	-

**AMMANN**

TECHNICAL SPECIFICATIONS  
ARS 121 SOIL COMPACTOR



**DIMENSIONS**

A	MACHINE LENGTH	5460 mm
B	WHEELBASE	2820 mm
C	MACHINE HEIGHT	3030 mm
D	MACHINE HEIGHT (REMOVED ROPS)	2375 mm
E	DRUM WIDTH	2130 mm
F	MACHINE WIDTH	2260 mm
G	MACHINE LENGTH (BLADE)	-
H	GROUND CLEARANCE	450 mm
I	DRUM DIAMETER	1500 mm
J	DRUM SHELL THICKNESS	25 mm
K	MACHINE WIDTH (BLADE)	-

**MISCELLANEOUS**

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	SAHR
BRAKES EMERGENCY	SAHR
FUEL TANK CAPACITY	410 l
VOLTAGE	12 V

**WEIGHT & DRIVING CHARACTERISTIC**

OPERATING WEIGHT	11 100 kg
STATIC LINEAR LOAD	29.1 kg/cm
MAX. TRANSPORT SPEED	11.5 km/h
MAX. WORKING SPEED	6 km/h
CLIMBING ABILITY	40 %
TURNING RADIUS INNER (EDGE)	3210 mm

**STANDARD VERSION**

- Operator platform with rails
- Sun canopy
- Back-up alarm
- Toolbox
- Lockable vandal guard
- Engine pre-cleaner

**COMPACTION FORCES**

FREQUENCY I	32 Hz
FREQUENCY II	35 Hz
FREQUENCY ACE MIN./MAX.	-
AMPLITUDE I	1.85 mm
AMPLITUDE II	1.15 mm
AMPLITUDE ACE MIN./MAX.	-
CENTRIFUGAL FORCE I	277 kN
CENTRIFUGAL FORCE II	206 kN
CENTRIF. FORCE ACE MIN./MAX.	-

**ENGINE**

MANUFACTURER	Cummins 4BTAA 3.9-C99 / or Equivalent
POWER ACCORDING TO ISO 3046-1	74 kW/2200 rpm (99 HP/2200 rpm)
MAXIMUM TORQUE	391/1300 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	Bharat Stage III (BS III)



**OPTIONAL ITEMS**

- Set of tools
- Compaction meter
- Warning beacon
- Engine cold start kit
- Fire extinguisher