

# ARS 110.2

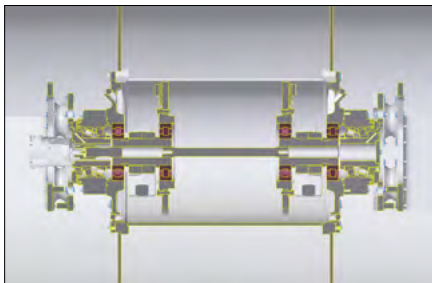
SOIL COMPACTOR  
CEV STAGE IV

## POWER WHERE IT MATTERS

- Highest centrifugal force and amplitude
- Self-lubrication of drum bearings
- Foldable sunroof canopy as standard
- CEV IV compliant engine with cleaner and greener emission
- Four shock mounts to isolate operator platform from vibrations
- All round visibility and easy serviceability from ground
- Dual scrapers on the drum as standard
- Rugged tyres (12 ply rating) as standard
- Optimized hydraulic oil tank capacity

## APPLICATIONS

- National & state highways
- City and municipal roads
- Railway embankments
- Airports
- Mining haul roads
- Dam embankments
- Port distribution hubs
- Internal roads for power and steel plants
- Smart city developments



## 4-BEARING VIBRATORY SYSTEM

- Highest centrifugal force
- Uniform vibration
- Fewer number of passes
- Increased life of drum & components



## STANDARD 12PR TYRES

- Extended life
- Better grip & traction force
- Can be used in rocky & wet areas with high plying rate

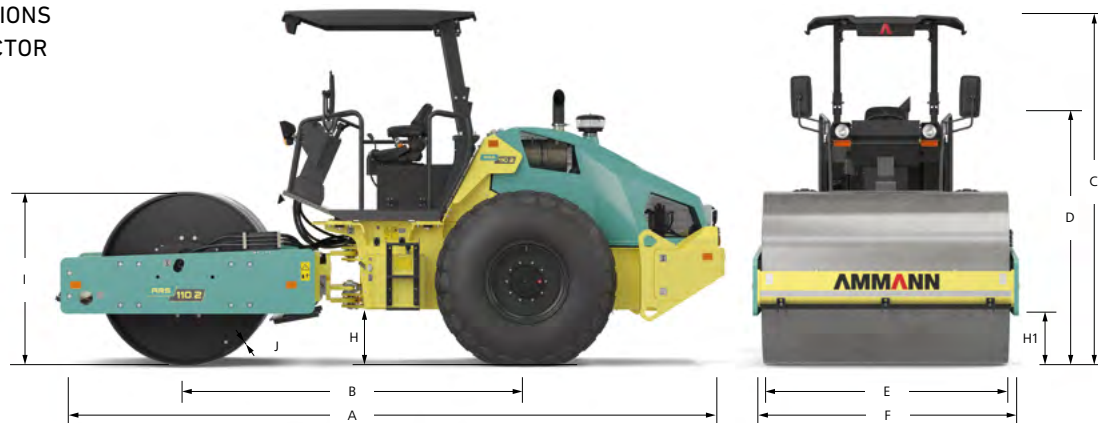


## SERVICEABILITY & VISIBILITY

- Better operator visibility (1x1m)
- Higher safety
- Ground access to all service and maintenance points

# AMMANN

TECHNICAL SPECIFICATIONS  
ARS 110.2 SOIL COMPACTOR  
CEV STAGE IV



#### DIMENSIONS

A	Machine length	5750 mm
B	Wheelbase	2930 mm
C	Machine height with canopy	3000 mm
D	Machine height (removed CAB/ROPS)	2370 mm
E	Drum width	2130 mm
F	Machine width	2260 mm
H	Ground clearance	460 mm
H1	Side clearance	450 mm
I	Drum diameter	1500 mm
J	Drum shell thickness	25 mm
	Tyre size	23.1-26-12PR

#### WEIGHT & DRIVING CHARACTERISTIC

	ARS 110.2 (Non-Drum Drive)	ARS 110.2HX (Drum Drive)
Operating weight	11 100 kg	11 300 kg
Static weight at drum	6200 kg	6400 kg
Static weight at tyres	4900 kg	4900 kg
Static linear load, front	29.1 kg/cm	30.0 kg/cm
Transport ( max)	11.5 km/h	10.0 km/h
Working speed ( max)	6 km/h	5 km/h
Climbing ability	35 %	45 %
Turning radius inner ( edge)	3250 mm	3250 mm
Steering angle	±36°	±36°
Oscillation angle	±10°	±10°

#### ENGINE

Manufacturer	Ashok Leyland H4C410122
Power according to ISO 3046-1	74 kW (99.6 HP) @ 2200 rpm
Max. Torque	450 Nm @ 1400-1500 rpm
Exhaust Gas - After Treatment	DOC+SCR+ASC
Type of cooling	Water
Emission regulations	CEV Stage IV

#### 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
Maximum applied force (low)	222 kN
Maximum applied force (high)	337 kN

#### MISCELLANEOUS

Drive system	Axial piston - closed loop
Vibration system	Axial piston - closed loop
Steering system	Gear pump
Brakes operating	Hydrostatic
Brakes parking	Multi-disc spring brake
Fuel tank capacity	310 l
Hydraulic tank capacity	52 l
Urea tank	24 l
Battery voltage	12 V
Battery rating	2 X 75 Ah
Exterior sound power level	106 dB(A)

#### STANDARD EQUIPMENT

- Operator platform with handrails and one side entry/exit isolated with four rubber mounts
- Standard operator seat with sliding, two-point retractable seat belt
- Single drive lever
- Ergonomic dashboard with digital cluster
- Tiltable FRP sun canopy
- Switchable high/low amplitude
- Dual adjustable steel scrapers
- Master electrical disconnect switch
- Vandalism protection cover
- Standard Ammann color scheme
- Set of documents
- Toolkit

#### OPTIONAL ITEMS

- Compaction meter
- Warning beacon
- Fire extinguisher – 1 Kg.
- Tyre ballast (up to -25 Degree C)
- Biodegradable hydraulic oil
- Customer color scheme
- Additional documentation
- Service Kits
- PD Shell Kit (ARS 110.2 HX only)