

ASC 100

SOIL COMPACTOR
Tier 1



EFFICIENCY WITH HIGH VALUE

The Ammann ASC 100 Tier 1 Soil Compactor provides an outstanding value ratio and is the industry leader in compaction efficiency. The hydrostatic drive of both wheels and the drum ensures traction and travel performance. The machine is equipped with an efficient turbocharged engine and reliable hydraulics. The roller is suitable for compaction of a wide range of soil, from silt to crushed stones.

TRACTION AND MANOEUVRABILITY

- Drum drive and separate hydraulics for each rear wheel
- Low centre of gravity for outstanding stability and traction ability

OPERATOR FRIENDLY

- Clear dashboard layout enables easy and safe operation
- Operator platform is mounted on vibration-free rubber mounts for highest comfort

INDUSTRY-LEADING COMPACTION

- Utilises effective Ammann vibratory system
- Offers varied amplitude settings
- Drives energy into the material and away from the operator
- Smooth and padfoot drums available

TIME AND COST SAVER

- High compaction output
- Easily accessible maintenance points
- Superior fuel efficiency

APPLICATIONS

- Medium and large jobsites
- Transport construction (motorways, railways, airfields)
- Water resources construction (rockfill, dams) and building construction (industrial zones, harbours)

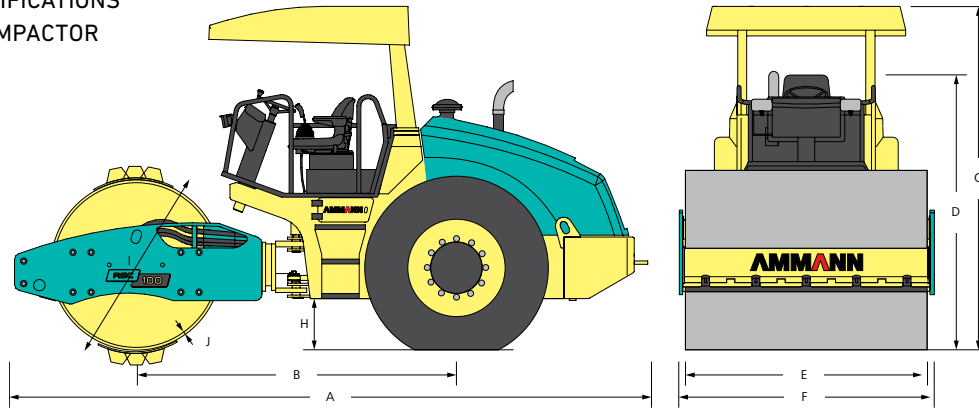
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 100 D	*0.8 m (31 in)	*0.6 m (24 in)	*0.5 m (20 in)	0.4 m (16 in)	0.25 m (10 in)
ASC 100 PD	-	-	*0.5 m (20 in)	*0.4 m (16 in)	*0.3 m (12 in)

*Recommended drum type

AMMANN

TECHNICAL SPECIFICATIONS
ASC 100 SOIL COMPACTOR
Tier 1



DIMENSIONS

		D	PD
A	MACHINE LENGTH	5630 mm (221.7 in)	5630 mm (221.7 in)
B	WHEELBASE	2820 mm (111.1 in)	2820 mm (111.1 in)
C	MACHINE HEIGHT	3027 mm (119.2 in)	3027 mm (119.2 in)
D	MACHINE HEIGHT (REMOVED CAB / ROPS)	2375 mm (93.6 in)	2375 mm (93.6 in)
E	DRUM WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
F	MACHINE WIDTH	2250 mm (88.6 in)	2250 mm (88.6 in)
G	MACHINE LENGTH (BLADE)	-	-
H	GROUND CLEARANCE	450 mm (17.8 in)	450 mm (17.8 in)
I	DRUM DIAMETER	1500 mm (59.1 in)	1640 mm (64.6 in)
J	DRUM SHELL THICKNESS	25 mm (1 in)	20 mm (0.8 in)
K	MACHINE WIDTH (BLADE)	-	-

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	410 l (108.3 gal)
VOLTAGE	24 V

WEIGHT & OPERATING CHARACTERISTICS

	D	PD
OPERATING WEIGHT	10 120 kg (22 310 lb)	10 860 kg (23 940 lb)
MAXIMUM WEIGHT	11 990 kg (26 430 lb)	11 030 kg (24 320 lb)
STATIC LINEAR LOAD	24.9 kg/cm (139.4 lb/in)	-
MAX. TRANSPORT SPEED	10.3 km/h (6.4 MPH)	10.3 km/h (6.4 MPH)
MAX. WORKING SPEED	7.1 km/h (4.4 MPH)	7.1 km/h (4.4 MPH)
CLIMBING ABILITY	40 %	40 %
TURNING RADIUS INNER (EDGE)	3210 mm (126.4 in)	3210 mm (126.4 in)

STANDARD EQUIPMENT

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

COMPACTION FORCES

	D	PD
FREQUENCY I	32 Hz (1920 VPM)	32 Hz (1920 VPM)
FREQUENCY II	35 Hz (2100 VPM)	35 Hz (2100 VPM)
FREQUENCY ACE MIN./MAX.	-	-
AMPLITUDE I	1.85 mm (0.073 in)	1.6 mm (0.063 in)
AMPLITUDE II	1.15 mm (0.045 in)	0.97 mm (0.038 in)
AMPLITUDE ACE MIN./MAX.	-	-
CENTRIFUGAL FORCE I	277 kN	277 kN
CENTRIFUGAL FORCE II	206 kN	206 kN
CENTRIF. FORCE ACE MIN./MAX.	-	-

ENGINE

MANUFACTURER	Cummins 4BTA 3.9-C116
POWER ACCORDING TO ISO 3046-1	86 kW (115 HP)
MAXIMUM TORQUE	423/1500 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage I, U.S. EPA Tier 1



OPTIONAL EQUIPMENT

- Cab ventilated and heated
- Engine air pre-cleaner
- Working speed increase (up to 7 km/h)
- Ammann Traction Optimizer (ATO)
- ROPS structure
- Sun canopy
- Padfoot drum or padfoot segments
- Toolbox
- Set of tools
- Air condition for Cab version
- Ammann Compaction Indicator (ACI)