

# ASC 120

SOIL COMPACTOR  
Tier 1

## WIDE-RANGE WORKER

The hydrostatic drive of both wheels and the drum ensures traction and travel performance for the Ammann ASC 120 Tier 1 Soil Compactor. The roller is suitable for compaction of a wide range of soils, from silt to crushed stones. It provides an outstanding value and is the industry leader in compaction efficiency. The machines are equipped with an efficient turbocharged engine and reliable hydraulics.

## 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)

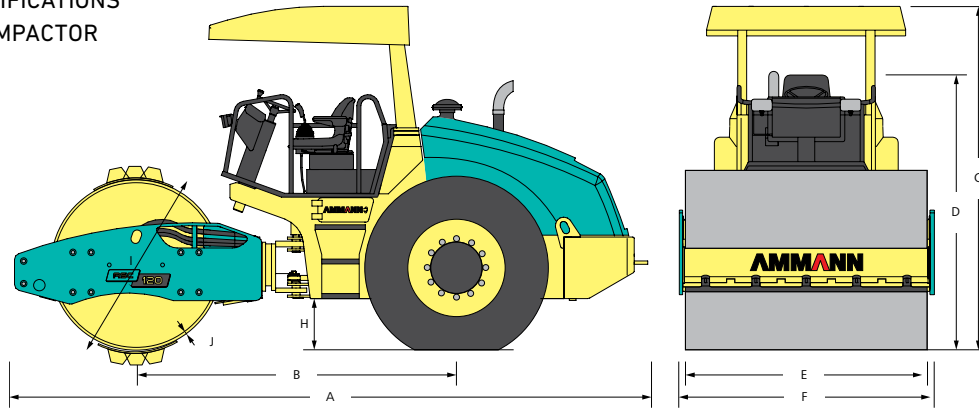
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 120 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 120 PD	-	-	*0.5 m (20 in)	*0.4 m (16 in)	*0.3 m (12 in)

\*Recommended drum type

**AMMANN**

TECHNICAL SPECIFICATIONS  
ASC 120 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	11 500 kg (25 350 lb)	12 060 kg (26 590 lb)
MAXIMUM WEIGHT	13 370 kg (29 480 lb)	12 230 kg (26 960 lb)
STATIC LINEAR LOAD	29.8 kg/cm (166.9 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	1.65 mm (0.065 in)	1.55 mm (0.061 in)
AMPLITUDE II	0.95 mm (0.037 in)	0.9 mm (0.035 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)