

# ASC 110

SOIL COMPACTOR  
Tier 4f

## BRINGING TECHNOLOGY TO THE JOBSITE

The Ammann ASC 110 T4f Soil Compactor thrives on medium to large jobsites. The roller meets the tightest environmental standards through its Tier 4 Final Deutz engine. The HX version of the roller excels on jobsites where high tractive efforts are required.

### PRODUCTIVITY

**High compaction output**  
Faster compaction of thicker layers in fewer passes

**No-rear-axle concept**  
Compact machine design for high stability, manoeuvrability and service access

**ACE<sup>pro</sup>/ACE<sup>force</sup>**  
Intelligent compaction tools for maximum efficiency and productivity

### ERGONOMICS

**Cab design**  
Spacious cab with low sound levels for all-day operator comfort

**Simple and reliable dashboard**  
Intuitive machine control, even with an unskilled operator

**Visibility**  
Perfect all-around machine visibility for safety on the jobsite

### SERVICEABILITY

**Tilttable cabin and engine hood**  
Best access to service points and engine compartment

**Ground access to service and maintenance points**  
Machine serviced from ground, enabling comfort

**Maintenance-friendly design**  
Easy and fast daily maintenance

### APPLICATIONS

- Motorways
- Railways
- Airfields
- Rockfill dams
- Industrial zones
- Harbours
- Residential areas

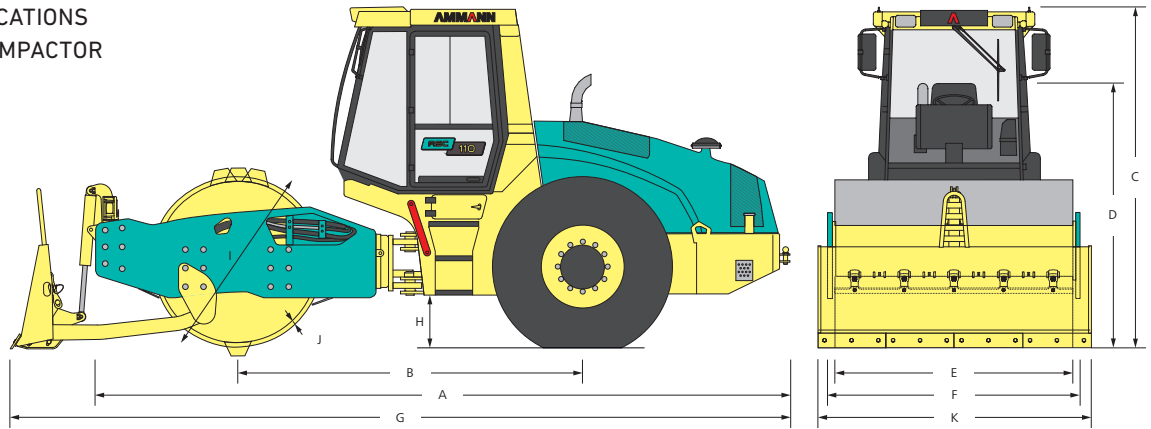
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 110 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 110 PD	-	-	*0.5 m (20 in)	*0.4 m (16 in)	*0.3 m (12 in)

\*Recommended drum type

**AMMANN**

TECHNICAL SPECIFICATIONS  
ASC 110 T4f SOIL COMPACTOR



**DIMENSIONS**

		D	PD
A	MACHINE LENGTH	6050 mm (238.2 in)	6050 mm (238.2 in)
B	WHEELBASE	2990 mm (117.7 in)	2990 mm (117.7 in)
C	MACHINE HEIGHT	3070 mm (120.9 in)	3070 mm (120.9 in)
D	MACHINE HEIGHT (REMOVED CAB / ROPS)	2320 mm (91.3 in)	2320 mm (91.3 in)
E	DRUM WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
F	MACHINE WIDTH	2260 mm (89 in)	2260 mm (89 in)
G	MACHINE LENGTH (BLADE)	-	6800 mm (267.7 in)
H	GROUND CLEARANCE	440 mm (17.3 in)	440 mm (17.3 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)	-	2441 mm (96.1 in)

**MISCELLANEOUS**

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	350 l (92.5 gal)
VOLTAGE	24 V

**COMPACTION FORCES**

	D   HX	PD   HXPB
FREQUENCY I	32 Hz (1920 VPM)	31 Hz (1860 VPM)
FREQUENCY II	35 Hz (2100 VPM)	35 Hz (2100 VPM)
FREQUENCY ACE MIN./MAX.	23 Hz (1380 VPM) / 35 Hz (2100 VPM)	23 Hz (1380 VPM) / 35 Hz (2100 VPM)
AMPLITUDE I	1.85 mm (0.073 in)	2 mm (0.079 in)
AMPLITUDE II	0.9 mm (0.035 in)	1.1 mm (0.043 in)
AMPLITUDE ACE MIN./MAX.	0 / 2.5 mm (0.098 in)	0 / 2.5 mm (0.098 in)
CENTRIFUGAL FORCE I	275 kN	315 kN
CENTRIFUGAL FORCE II	160 kN	220 kN
CENTRIF. FORCE ACE MIN./MAX.	0 / 280 kN	0 / 280 kN

**ENGINE**

MANUFACTURER	Deutz TCD4.1 L4
POWER ACCORDING TO ISO 3046-1	115 kW (154 HP)
MAXIMUM TORQUE	609 Nm / 1600 rpm
NOMINAL SPEED	2200 min <sup>-1</sup> (RPM)
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IV, U.S. EPA Tier 4 Final

**WEIGHT & OPERATING CHARACTERISTICS**

	D	HX	PD	HXPB
OPERATING WEIGHT	11 740 kg (25 880 lb)	12 980 kg (28 620 lb)	12 350 kg (27 230 lb)	13 550 kg (29 870 lb)
MAXIMUM WEIGHT	15 600 kg (34 390 lb)	15 640 kg (34 480 lb)	14 510 kg (31 990 lb)	14 510 kg (31 990 lb)
STATIC LINEAR LOAD	33.4 kg/cm (187 lb/in)	34.7 kg/cm (194.3 lb/in)	-	-
MAX. TRANSPORT SPEED	13.7 km/h (8.5 MPH)	9.6 km/h (6 MPH)	13.7 km/h (8.5 MPH)	9.6 km/h (6 MPH)
MAX. WORKING SPEED	4.8 km/h (3 MPH)	3.2 km/h (2 MPH)	4.8 km/h (3 MPH)	3.2 km/h (2 MPH)
CLIMBING ABILITY	54 %	67 %	54 %	67 %
TURNING RADIUS INNER (EDGE)	3630 mm (142,9 in)	3630 mm (142,9 in)	3630 mm (142,9 in)	3630 mm (142,9 in)
TURNING RADIUS OUTER (CONTOUR)	6030 mm (237,4 in)	6030 mm (237,4 in)	6030 mm (237,4 in)	6030 mm (237,4 in)

**STANDARD EQUIPMENT**

- CE conformity
- ROPS structure
- Cab ventilated and heated (incl. FOPS I)
- Smooth drum with steel scrapers
- 2 vibration frequencies and amplitudes
- Inter wheel differential-lock
- Electro-hydraulic tilting of hood/cab
- Working headlights (front and rear)

**OPTIONAL EQUIPMENT**

- ACE<sup>pro</sup> Intelligent Compaction system with measuring (absolute values), automatic regulation of compaction performance (frequency and amplitude) and ADS documentation system
- ACE<sup>force</sup> compaction measurement (absolute values) and ADS documentation system
- Air conditioning for cab version
- GPS mapping for ACE systems
- Ammann Traction Control (ATC)
- Padfoot drum or padfoot segments
- Dozer blade
- HX version