

ASC 110

SOIL COMPACTOR Tier 4i

BRINGING TECHNOLOGY TO THE JOBSITE

The Ammann ASC 110 Tier 4i Soil Compactor thrives on medium to large jobsites such as municipal roads and residential developments. The roller meets tight environmental standards through its Tier 4i Cummins engine while providing efficient compaction through the optional ACE systems. An HT and HD versions of the roller excel on jobsites where high tractive efforts are required.

OPTIONAL ACE SYSTEM TECHNOLOGY

- Provides measurement and documentation
- Precisely measures and evaluates material stiffness
- ACE^{pro} continuously adjusts frequency and amplitude depending on compaction measurements
- ACE^{pro} eliminates drum jumping and therefore minimizes the risk of over-compaction or material destruction
- ACE^{force} shows compaction progress via operator-guiding function
- Includes ADS documentation software with office analyzing feature
- Can utilise all major manufacturers GPS products to provide mapping and operator guidance

INDUSTRY-LEADING COMPACTION

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

OPERATOR FRIENDLY

- Clear dashboard layout ensures easy and safe operation
- Engine compartment design forces hot air toward the rear of the machine and away from the operator
- Operator platform is mounted on vibration-free rubber mounts for highest comfort

EASY ACCESS

- Easily accessible maintenance points
- Centralized draining points for service fluids

APPLICATIONS

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

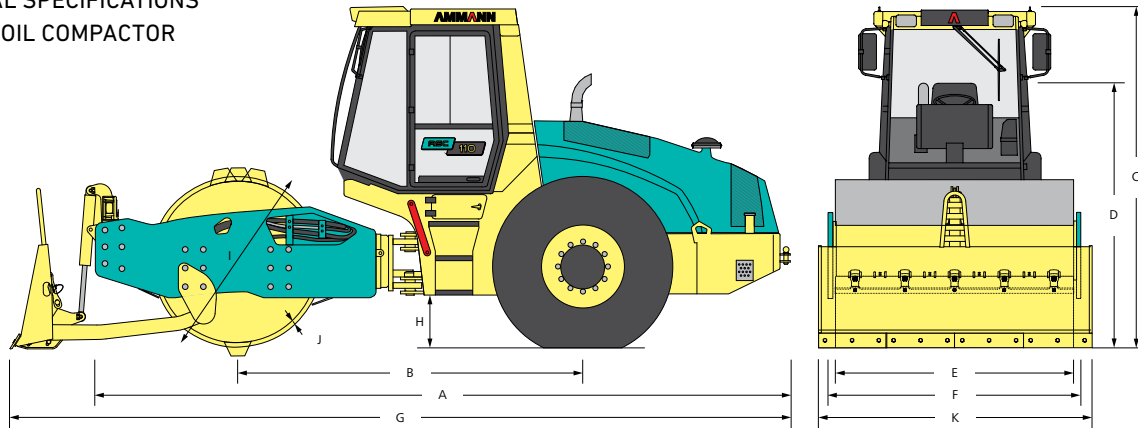
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 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 SOIL COMPACTOR
Tier 4i



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 (267.8 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 (17.3 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 / HT / HD	PD / HTPD / HDPD
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	1.15 mm (0.045 in)	1.1 mm (0.043 in)
AMPLITUDE II	1.85 mm (0.073 in)	2 mm (0.079 in)
AMPLITUDE ACE MIN./MAX.	0 / 2.5 mm (0.098 in)	0 / 2.5 (0.098 in)
CENTRIFUGAL FORCE I	206 kN	220 kN
CENTRIFUGAL FORCE II	277 kN	315 kN
CENTRIF. FORCE ACE MIN./MAX.	0 / 280 kN	0 / 280 kN

ENGINE

MANUFACTURER	Cummins QSB 4.5-C160
POWER ACCORDING TO ISO 3046-1	119 kW (160 HP)
MAXIMUM TORQUE	624/1500 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIB, U.S. EPA Tier 4 Interim

WEIGHT & OPERATING CHARACTERISTICS

	D	HT	HD	PD	HTPD	HDPD
OPERATING WEIGHT	11 570 kg (25 510 lb)	12 810 kg (28 240 lb)	12 810 kg (28 240 lb)	12 180 kg (26 850 lb)	13 380 kg (29 500 lb)	13 380 kg (29 500 lb)
MAXIMUM WEIGHT	15 430 kg (34 020 lb)	15 470 kg (34 110 lb)	15 470 kg (34 110 lb)	14 340 kg (31 610 lb)	14 340 kg (31 610 lb)	14 340 kg (31 610 lb)
STATIC LINEAR LOAD	33.4 kg/cm (187 lb/in)	34.7 kg/cm (194.3 lb/in)	34.7 kg/cm (194.3 lb/in)	–	–	–
MAX. TRANSPORT SPEED	12.5 km/h (7.8 MPH)	8.2 km/h (5.1 MPH)	9.2 km/h (5.7 MPH)	12.5 km/h (7.8 MPH)	8.6 km/h (5.3 MPH)	9.6 km/h (6 MPH)
MAX. WORKING SPEED	5.7 km/h (3.5 MPH)	3.7 km/h (2.3 MPH)	4.1 km/h (2.5 MPH)	5.7 km/h (3.5 MPH)	3.8 km/h (2.4 MPH)	4.2 km/h (2.6 MPH)
CLIMBING ABILITY	45 %	60 %	55 %	45 %	60 %	55 %
TURNING RADIUS INNER (EDGE)	3630 mm (142.9 in)	3630 mm (142.9 in)	3630 mm (142.9 in)	3630 mm (142.9 in)	3630 mm (142.9 in)	3630 mm (142.9 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^{pro} Intelligent Compaction system with measuring (absolute values), automatic regulation of compaction performance (frequency and amplitude) and ADS documentation system
- ACE^{force} compaction measurement (absolute values) and ADS documentation system
- Air condition for Cab version
- GPS mapping for ACE systems
- Ammann Traction Control (ATC)
- Padfoot drum or padfoot segments
- Dozer blade
- HD and HT versions