

ASC 110

SOIL COMPACTOR
Tier 3

BRINGING TECHNOLOGY TO THE JOBSITE

The Ammann ASC 110 Tier 3 Soil Compactor thrives on medium to large jobsites such as municipal roads and residential developments. The roller utilises an efficient engine providing optimal 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
- Operator platform is mounted on vibration-free rubber mounts for highest comfort

EASY ACCESS

- Easily accessible maintenance points
- Optionally centralized draining points for service fluids

APPLICATIONS

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

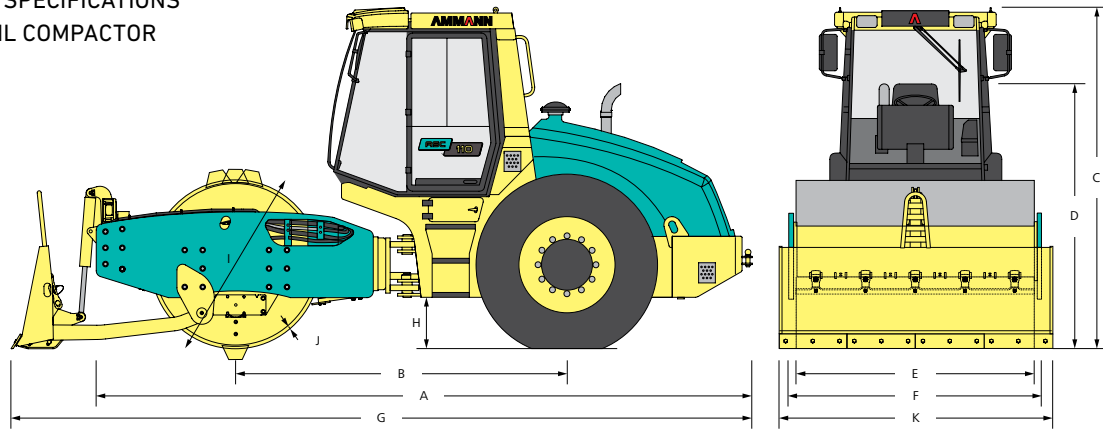
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 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 3



DIMENSIONS

		D	PD
A	MACHINE LENGTH	5780 mm (227.6 in)	5780 mm (227.6 in)
B	WHEELBASE	2878 mm (113.4 in)	2878 mm (113.4 in)
C	MACHINE HEIGHT	3070 mm (120.9 in)	3070 mm (120.9 in)
D	MACHINE HEIGHT (REMOVED CAB / ROPS)	2400 mm (94.5 in)	2400 mm (94.5 in)
E	DRUM WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
F	MACHINE WIDTH	2258 mm (88.9 in)	2258 mm (88.9 in)
G	MACHINE LENGTH (BLADE)	-	6557 mm (258.2 in)
H	GROUND CLEARANCE	440 mm (17.4 in)	440 mm (17.4 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 (96.2 in)

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	HT	HD	PD	HTPD	HDPD
OPERATING WEIGHT	11 490 kg (25 330 lb)	12 730 kg (28 060 lb)	12 730 kg (28 060 lb)	12 100 kg (26 680 lb)	13 330 kg (29 390 lb)	13 330 kg (29 390 lb)
MAXIMUM WEIGHT	15 370 kg (33 890 lb)	15 410 kg (33 970 lb)	15 410 kg (33 970 lb)	14 280 kg (31 480 lb)	15 510 kg (34 190 lb)	15 510 kg (34 190 lb)
STATIC LINEAR LOAD	34.5 kg/cm (193.2 lb/in)	34.7 kg/cm (194.3 lb/in)	34.7 kg/cm (194.3 lb/in)	-	-	-
MAX. TRANSPORT SPEED	12.8 km/h (8 MPH)	8.2 km/h (5.1 MPH)	9.2 km/h (5.7 MPH)	12.8 km/h (8 MPH)	8.6 km/h (5.3 MPH)	9.6 km/h (6 MPH)
MAX. WORKING SPEED	5.6 km/h (3.5 MPH)	3.7 km/h (2.3 MPH)	4.1 km/h (2.5 MPH)	5.6 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)	3050 mm (120.1 in)	3050 mm (120.1 in)	3050 mm (120.1 in)	3050 mm (120.1 in)	3050 mm (120.1 in)	3050 mm (120.1 in)

STANDARD EQUIPMENT

- Operator platform with guard rails
- Smooth drum with steel scrapers
- 2 vibration frequencies and amplitudes
- Inter wheel Differential-lock
- Manual tilting of hood/cab/platform
- Working headlights (front and rear)

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 mm (0 in) / 2.5 mm (0.098 in)	0 mm (0 in) / 2.5 mm (0.098 in)
CENTRIFUGAL FORCE I	206 kN	220 kN
CENTRIFUGAL FORCE II	277 kN	277 kN
CENTRIF. FORCE ACE MIN./MAX.	0 kN / 280 kN	0 kN / 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 IIIA, U.S. EPA Tier 3

OPTIONAL EQUIPMENT

- CE conformity
- Cab ventilated and heated (incl. FOPS I)
- ROPS structure
- Air condition for Cab version
- Ammann Traction Control (ATC)
- Padfoot drum or padfoot segments
- Dozer blade
- HD and HT versions
- 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
- GPS mapping for ACE systems