

ASC 170

SOIL COMPACTOR
Tier 4i

MEETING POWER AND EMISSION GOALS

The Ammann ASC 170 Tier 4i Soil Compactor provides industry-leading compaction outputs on medium to large jobsites such as municipal roads and residential developments. The roller utilises a Cummins engine that delivers power and meets emission targets. Options can make the machine a perfect fit for challenging jobsites. An HT and HD versions excels where high tractive efforts are required. Optional ACE^{force} technology identifies uncompacted spots.

OPTIONAL ACE^{force} TECHNOLOGY

- Provides measurement and documentation
- Precisely measures and evaluates material stiffness
- 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

EASY ACCESS

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

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 enables 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

APPLICATIONS

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

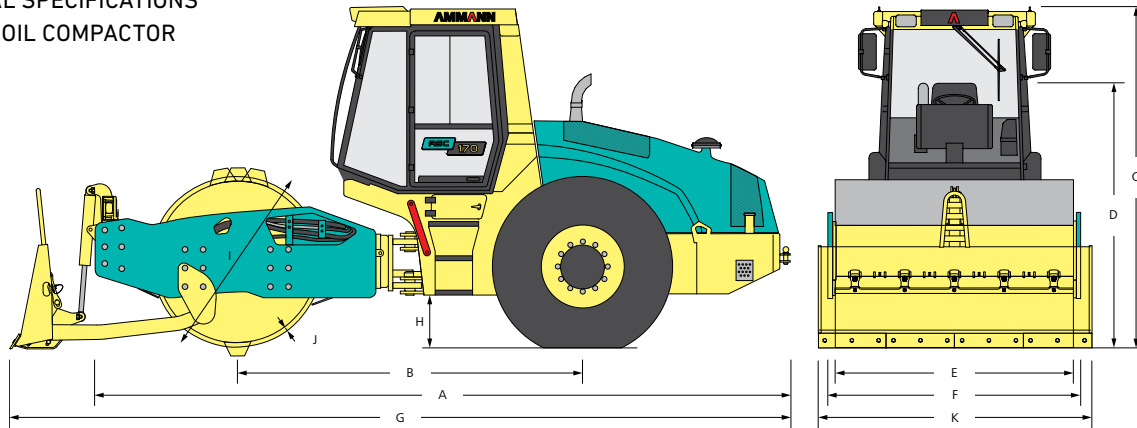
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 170 D	*1.4 m (55 in)	*0.9 m (35 in)	*0.8 m (31 in)	0.6 m (24 in)	0.32 m (13 in)
ASC 170 PD	-	-	*0.8 m (31 in)	*0.6 m (24 in)	*0.37 m (15 in)

*Recommended drum type

AMMANN

TECHNICAL SPECIFICATIONS
ASC 170 SOIL COMPACTOR
Tier 4i



DIMENSIONS

		D	PD
A	MACHINE LENGTH	6135 mm (241.3 in)	6135 mm (241.3 in)
B	WHEELBASE	3050 mm (120.1 in)	3050 mm (120.1 in)
C	MACHINE HEIGHT	3050 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 (83.8 in)	2130 mm (83.8 in)
F	MACHINE WIDTH	2258 mm (88.9 in)	2258 mm (88.9 in)
G	MACHINE LENGTH (BLADE)	-	6850 mm (269.7 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	40 mm (1.6 in)	28 mm (1.1 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

WEIGHT & OPERATING CHARACTERISTICS

	D	HT	HD	PD	HTPD	HDPD
OPERATING WEIGHT	16 000 kg (35 270 lb)	16 040 kg (35 360 lb)	16 040 kg (35 360 lb)	15 900 kg (35 050 lb)	15 940 kg (35 140 lb)	15 940 kg (35 140 lb)
MAXIMUM WEIGHT	17 850 kg (39 350 lb)	17 890 kg (39 440 lb)	17 890 kg (39 440 lb)	16 860 kg (37 170 lb)	16 900 kg (37 260 lb)	16 900 kg (37 260 lb)
STATIC LINEAR LOAD	50.5 kg/cm (282.8 lb/in)	50.7 kg/cm (283.9 lb/in)	50.7 kg/cm (283.9 lb/in)	-	-	-
MAX. TRANSPORT SPEED	10 km/h (6.21 MPH)	7 km/h (4.35 MPH)	8.1 km/h (5.03 MPH)	10.1 km/h (6.28 MPH)	7 km/h (4.35 MPH)	8.2 km/h (5.1 MPH)
MAX. WORKING SPEED	4.5 km/h (2.8 MPH)	3.15 km/h (1.96 MPH)	3.6 km/h (2.24 MPH)	4.6 km/h (2.86 MPH)	3.15 km/h (1.96 MPH)	3.7 km/h (2.3 MPH)
CLIMBING ABILITY	53 %	62 %	56 %	50 %	58 %	53 %
TURNING RADIUS INNER (EDGE)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 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)

COMPACTION FORCES

	D / HT / HD	PD / HTPD / HDPD
FREQUENCY I	28 Hz (1680 VPM)	28 Hz (1680 VPM)
FREQUENCY II	35 Hz (2100 VPM)	35 Hz (2100 VPM)
FREQUENCY ACE MIN./MAX.	-	-
AMPLITUDE I	2.2 mm (0.087 in)	2.2 mm (0.087 in)
AMPLITUDE II	1.1 mm (0.043 in)	1.1 mm (0.043 in)
AMPLITUDE ACE MIN./MAX.	-	-
CENTRIFUGAL FORCE I	335 kN	335 kN
CENTRIFUGAL FORCE II	260 kN	260 kN
CENTRIF. FORCE ACE MIN./MAX.	-	-

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

OPTIONAL EQUIPMENT

- Air condition for Cab version
- Ammann Traction Control (ATC)
- Padfoot drum or padfoot segments
- Dozer blade
- HD and HT versions
- ACE^{force} compaction measurement (absolute values) and ADS documentation system
- GPS mapping for ACE systems