

ASC 170

SOIL COMPACTOR
EU Stage IIIA, U.S. EPA Tier 3

MEETING POWER AND OUTPUT DEMANDS

The Ammann ASC 170 Soil Compactor provides industry-leading compaction outputs on medium to large jobsites such as municipal roads and residential developments. The Cummins engine provides the necessary power, while options can make the machine a perfect fit for challenging jobsites. An HX version excels where high tractive efforts are required. Optional ACE technology identifies uncompacted spots.

PRODUCTIVITY

High compaction output

Faster compaction of thicker layers in fewer passes.

No-rear-axle concept

Unique machine design that enables great stability and manoeuvrability.

Customisation

Makes the machine an ideal fit on any jobsite – and for varied customer needs

ERGONOMICS

Operator workplace

Ergonomically friendly operator station designed for high operator comfort throughout the working shift.

Visibility

Excellent all-around machine visibility for safety on the jobsite.

Simple & reliable dashboard

Intuitive machine control, even with an unskilled operator.

SERVICEABILITY

Tiltable cab and engine hood

Great accessibility to all major components for tool-free daily inspection.

Draining points

Ground access to all main draining points.

Maintenance-friendly design

Downtime minimised through easy maintenance processes and robust design of the machine and components.

APPLICATIONS

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

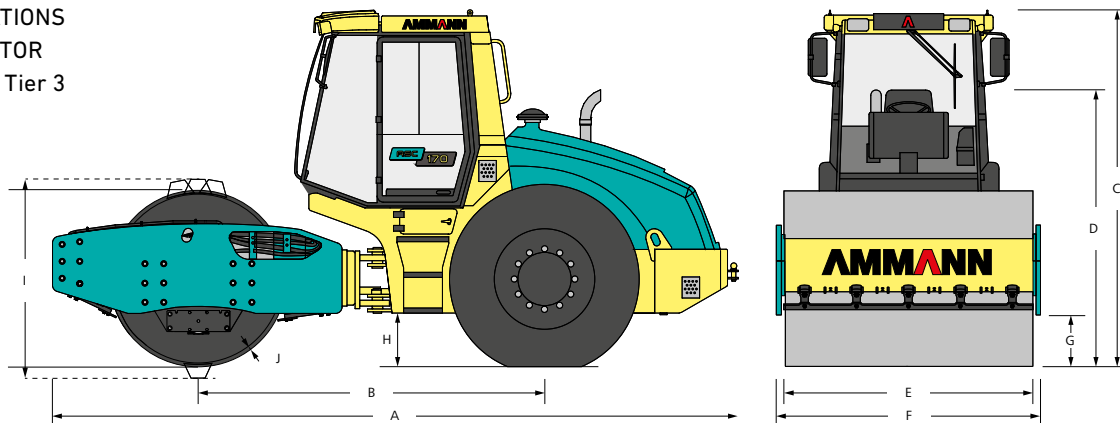
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 170	*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
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DIMENSIONS

A	Machine length	5900 mm (232.3 in)
B	Wheelbase	2930 mm (115.4 in)
C	Machine height	3075 mm (121.1 in)
D	Machine height (removed CAB / ROPS)	2420 mm (95.3 in)
E	Drum width	2130 mm (83.9 in)
F	Machine width	2258 mm (88.9 in)
G	Curb clearance	415 mm (16.3 in)
H	Ground clearance	440 mm (17.4 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 (1.2 in)

*PD

ENGINE

Manufacturer	Cummins QSB 4.5-C160
Power according to ISO 3046-1	119 kW (160 HP)
Maximum torque	624/1500 Nm/rpm
Emission class	EU Stage IIIA, U.S. EPA Tier 3

MISCELLANEOUS

Brakes operating	Hydrostatic
Brakes parking	Multiple-disc spring brake
Brakes emergency	Multiple-disc spring brake
Fuel tank capacity	410 l (108.3 gal)
Articulation angle	±36°
Oscillation angle	±10°

COMPACTION FORCES

		PD
Frequency I	28 Hz (1680 VPM)	28 Hz (1680 VPM)
Frequency II	35 Hz (2100 VPM)	35 Hz (2100 VPM)
Amplitude I	2.2 mm (0.087 in)	2.2 mm (0.087 in)
Amplitude II	1.2 mm (0.047 in)	1.1 mm (0.043 in)
Centrifugal force I	335 kN (75 311 lbf)	335 kN (75 311 lbf)
Centrifugal force II	260 kN (58 450 lbf)	260 kN (58 450 lbf)

WEIGHT & OPERATING CHARACTERISTICS

		HX	PD	HXPD
Operating weight	16 270 kg (35 870 lb)	16 300 kg (35 940 lb)	16 170 kg (35 650 lb)	16 200 kg (35 710 lb)
Maximum weight	18 140 kg (39 990 lb)	18 170 kg (40 060 lb)	17 190 kg (37 900 lb)	17 220 kg (37 960 lb)
Stat. lin. load of front drum	51.9 kg/cm (290.6 lb/in)	52 kg/cm (291.2 lb/in)	–	–
Pad contact surface	–	–	120 cm² (18.6 sq in)	120 cm² (18.6 sq in)
Pad height	–	–	100 mm (3.9 in)	100 mm (3.9 in)
Max. transport speed	10 km/h (6.21 MPH)	7 km/h (4.35 MPH)	10.1 km/h (6.28 MPH)	7 km/h (4.35 MPH)
Max. working speed	4.5 km/h (2.8 MPH)	3.15 km/h (1.96 MPH)	4.6 km/h (2.86 MPH)	3.15 km/h (1.96 MPH)
Climbing ability without / with vibration	30 % / 25 %	55 % / 50 %	30 % / 25 %	55 % / 50 %
Turning radius (inner)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 in)	3715 mm (146.3 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)

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
- HX versions
- ACE (Ammann Compaction Expert)

For additional product information and services please visit: www.ammann.com

Materials and specification data are subject to change without notice.

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