



ASC 70

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

EFFICIENT WITH HIGH OUTPUT

The Ammann ASC 70 Soil Compactor provides efficient compaction through the optional ACE system. Compaction is maximised through the Ammann vibratory system and varied amplitude settings. The roller is best suited to small and medium jobsites and delivers industry-leading compaction outputs. An HX versions 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

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

Tilttable 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

- Small and medium jobsites
- Transport construction (municipal roads, local infrastructure)
- Building construction (industrial zones, residential zones)

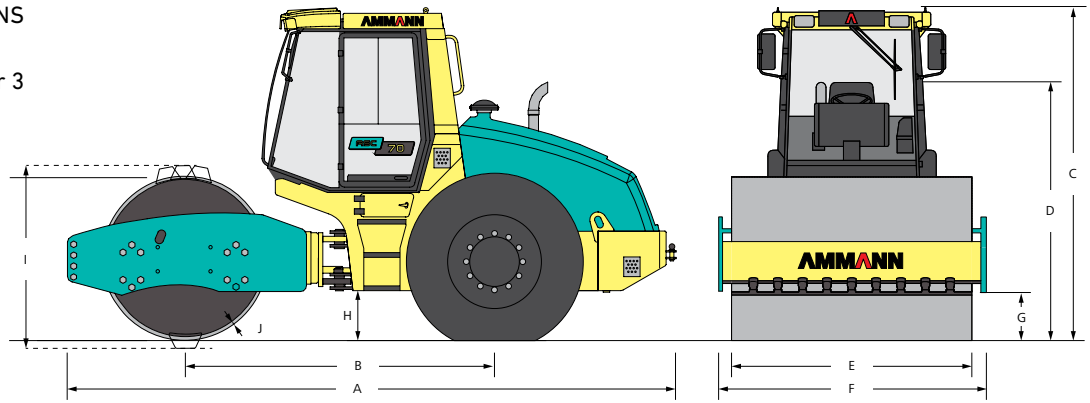
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 70	–	*0.45 m (18 in)	*0.35 m (14 in)	0.25 m (10 in)	0.15 m (6 in)
ASC 70 PD	–	–	*0.35 m (14 in)	*0.25 m (10 in)	*0.2 m (8 in)

*Recommended drum type

AMMANN

TECHNICAL SPECIFICATIONS
ASC 70 SOIL COMPACTOR
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DIMENSIONS		
A	Machine length	5195 mm (204.6 in)
B	Wheelbase	2560 mm (100.8 in)
C	Machine height	2870 mm (113 in)
D	Machine height (removed CAB / ROPS)	2280 mm (89.8 in)
E	Drum width	1680 mm (66.2 in)
F	Machine width	1875 mm (73.8 in)
G	Curb clearance	350 mm (13.8 in)
H	Ground clearance	385 mm (15.2 in)
I	Drum diameter	1300 mm (51.2 in) / * 1400 mm (55.1 in)
J	Drum shell thickness	25 mm (1 in) / * 15 mm (0.6 in)

*PD

MISCELLANEOUS	
Brakes operating	Hydrostatic
Brakes parking	Multiple-disc spring brake
Brakes emergency	Multiple-disc spring brake
Fuel tank capacity	275 l (72.65 gal)
Articulation angle	±36°
Oscillation angle	±12°

COMPACTION FORCES		
		PD
Frequency I	30 Hz (1800 VPM)	30 Hz (1800 VPM)
Frequency II	41 Hz (2460 VPM)	41 Hz (2460 VPM)
Amplitude I	1.7 mm (0.067 in)	1.7 mm (0.067 in)
Amplitude II	0.86 mm (0.034 in)	0.86 mm (0.034 in)
Centrifugal force I	145 kN (32 597 lbf)	145 kN (32 597 lbf)
Centrifugal force II	130 kN (29225 lbf)	130 kN (29225 lbf)

ENGINE	
Manufacturer	Cummins QSB 3.3-C99
Power according to ISO 3046-1	74 kW (99 HP)
Maximum torque	412/1600 Nm/rpm
Emission class	EU Stage IIIA, U.S. EPA Tier 3

WEIGHT & OPERATING CHARACTERISTICS				
		HX	PD	HXPD
Operating weight	7140 kg (15740 lb)	7620 kg (16800 lb)	7090 kg (15630 lb)	7570 kg (16690 lb)
Maximum weight	9260 kg (20410 lb)	9740 kg (21470 lb)	8120 kg (17900 lb)	8600 kg (18960 lb)
Static linear load	23.9 kg/cm (133.8 lb/in)	24.3 kg/cm (136.1 lb/in)	-	-
Pad contact surface	-	-	114 cm ² (17,7 sq in)	114 cm ² (17,7 sq in)
Pad height	-	-	80 mm (3.1 in)	80 mm (3.1 in)
Max. transport speed	11 km/h (6.8 MPH)	8.4 km/h (5.2 MPH)	11.1 km/h (6.9 MPH)	8.5 km/h (5.3 MPH)
Max. working speed	4.7 km/h (2.9 MPH)	3.6 km/h (2.2 MPH)	4.8 km/h (3 MPH)	3.7 km/h (2.3 MPH)
Climbing ability without / with vibration	45% / 40%	60% / 40%	45% / 40%	60% / 40%
Turning radius inner (EDGE)	3090 mm (121.7 in)	3090 mm (121.7 in)	3090 mm (121.7 in)	3090 mm (121.7 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)