

ASC 130

SOIL COMPACTOR

EU Stage IIIA, U.S. EPA Tier 3

MEETING THE CHALLENGE

The Ammann ASC 130 Soil Compactor provides industry-leading compaction outputs. The roller provides efficient compaction through the optional ACE system, which identifies uncompacted spots. Other options can make the machine a perfect fit for challenging jobsites. An HX versions of the roller 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

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)

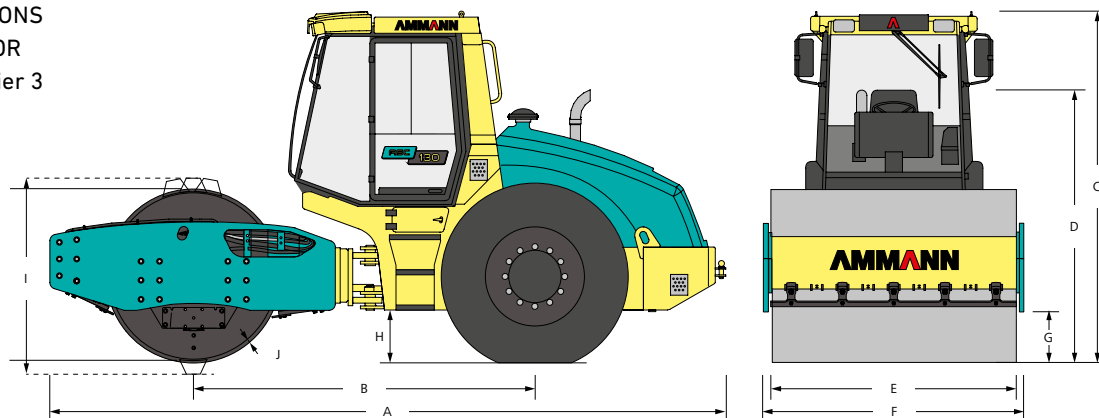
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 130	*1 m (39 in)	*0.7 m (28 in)	*0.6 m (24 in)	0.45 m (18 in)	0.27 m (11 in)
ASC 130 PD	–	–	*0.6 m (24 in)	*0.45 m (18 in)	*0.32 m (13 in)

*Recommended drum type

AMMANN

TECHNICAL SPECIFICATIONS
ASC 130 SOIL COMPACTOR
EU Stage IIIA, U.S. EPA Tier 3



DIMENSIONS

A	Machine length	5780 mm (227.6 in)
B	Wheelbase	2878 mm (113.4 in)
C	Machine height	3070 mm (120.9 in)
D	Machine height (removed CAB / ROPS)	2400 mm (94.5 in)
E	Drum width	2130 mm (83.9 in)
F	Machine width	2258 mm (88.9 in)
G	Curb clearance	420 mm (16.5 in)
H	Ground clearance	430 mm (16.9 in)
I	Drum diameter	1500 mm (59.1 in) / * 1640 mm (64.6 in)
J	Drum shell thickness	35 mm (1.4 in) / * 25 mm (1 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

COMPACTION FORCES

		PD
Frequency I	30 Hz (1800 VPM)	30 Hz (1800 VPM)
Frequency II	36 Hz (2160 VPM)	36 Hz (2160 VPM)
Amplitude I	1.9 mm (0.075 in)	1.85 mm (0.073 in)
Amplitude II	1.05 mm (0.041 in)	1 mm (0.039 in)
Centrifugal force I	300 kN (67 443 lbf)	300 kN (67 443 lbf)
Centrifugal force II	230 kN (51 706 lbf)	230 kN (51 706 lbf)

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°

WEIGHT & OPERATING CHARACTERISTICS

		HX	PD	HXPD
Operating weight	12 510 kg (27 580 lb)	13 750 kg (30 310 lb)	12 740 kg (28 090 lb)	13 790 kg (30 400 lb)
Maximum weight	16 390 kg (36 130 lb)	16 430 kg (36 220 lb)	14 920 kg (32 890 lb)	14 770 kg (32 560 lb)
Stat. lin. load of front drum	39.1 kg/cm (219 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	13 km/h (8.08 MPH)	8.2 km/h (5.1 MPH)	12.8 km/h (7.95 MPH)	8.6 km/h (5.34 MPH)
Max. working speed	5.6 km/h (3.48 MPH)	3.7 km/h (2.3 MPH)	5.6 km/h (3.48 MPH)	3.8 km/h (2.36 MPH)
Climbing ability	45 %	58 %	45 %	58 %
Turning radius inner (EDGE)	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)

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)