

# ASC 150

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

## A SMART WORKER WITH BIG OUTPUT

As the compaction grows tougher, Ammann offers this heavier compactor with greater static linear loads. The Ammann ASC 150 Soil Compactor provides industry-leading compaction outputs while optional ACE system technology makes it a smart worker, too.

### 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)

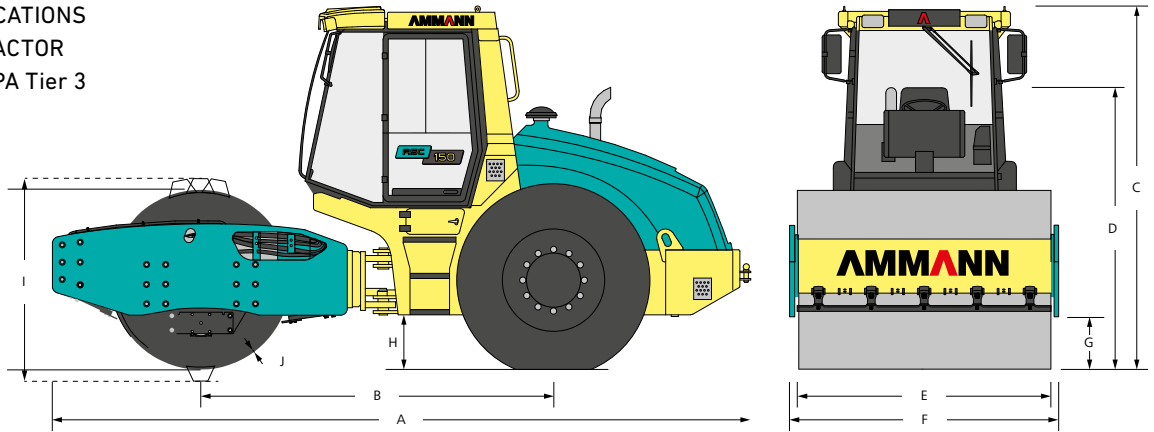
#### MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 150	*1.2 m (47 in)	*0.8 m (31 in)	*0.7 m (28 in)	0.5 m (20 in)	0.3 m (12 in)
ASC 150 PD	–	–	*0.7 m (28 in)	*0.5 m (20 in)	*0.35 m (14 in)

\*Recommended drum type

**AMMANN**

TECHNICAL SPECIFICATIONS  
ASC 150 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 (83.8 in)
F	Machine width	2258 mm (88.9 in)
G	Curb clearance	415 mm (16.3 in)
H	Ground clearance	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)

\*PD

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		
		<b>PD</b>
Frequency I	29 Hz (1740 VPM)	29 Hz (1740 VPM)
Frequency II	35 Hz (2100 VPM)	35 Hz (2100 VPM)
Frequency ACE min./max.	23 Hz (13 800 VPM) / 35 Hz (2100 VPM)	23 Hz (13 800 VPM) / 35 Hz (2100 VPM)
Amplitude I	2 mm (0.079 in)	2 mm (0.079 in)
Amplitude II	1 mm (0.039 in)	1 mm (0.039 in)
Amplitude ACE min./max.	- / 2.5 mm (0.098 in)	- / 2.5 mm (0.098 in)
Centrifugal force I	325 kN (73 063 lbf)	325 kN (73 063 lbf)
Centrifugal force II	237 kN (53 280 lbf)	236 kN (53 054 lbf)
Centrif. force ACE min./max.	- / 388 kN (87 226 lbf) 26 Hz (1560 VPM)	- / 388 kN (87 226 lbf) 26 Hz (1560 VPM)

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

WEIGHT & OPERATING CHARACTERISTICS				
		HX	PD	HXPD
Operating weight	14 580 kg (32 140 lb)	15 820 kg (34 880 lb)	14 490 kg (31 940 lb)	15 720 kg (34 660 lb)
Maximum weight	18 460 kg (40 700 lb)	18 500 kg (40 790 lb)	16 670 kg (36 750 lb)	16 700 kg (36 820 lb)
Stat. lin. load of front drum	48.7 kg/cm (272.7 lb/in)	48.9 kg/cm (273.8 lb/in)	-	-
Pad contact surface	-	-	120 cm <sup>2</sup> (18.6 sq in)	120 cm <sup>2</sup> (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	45 %	60 %	45 %	60 %
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)