

ASC 50

SOIL COMPACTOR
Tier 4i

A HEAVY HITTER IN TIGHT SPACES

The Ammann ASC 50 Soil Compactor is a heavier “small” compactor, with more force delivered from a machine that still is able to fit into tight spaces. The ASC 50 HD version features greater gradeability and additional compaction selections that include a combination of low frequency with high amplitude and compaction force. All versions have working widths of 1400 mm that enable productivity yet also help the machine squeeze into tight settings.

EXCEPTIONAL TRACTION

- Automatically adjusts if a drive component slips
- Only stops when both drive wheels and the drum are without traction, resulting in maximum gradeability on any type of ground
- Includes “twin-lock” traction control
- Offers no-axle concept for exceptional footing

OPTIMUM COMPACTION FORCE

- Industry-leading compaction outputs
- Smooth or padfoot drum
- Low centre of gravity

PRODUCTIVE IN SMALL SPACES

- Features articulation-oscillation joint
- Works flush against objects such as curbs
- Offers exceptional visibility for operator

OPERATOR FRIENDLY

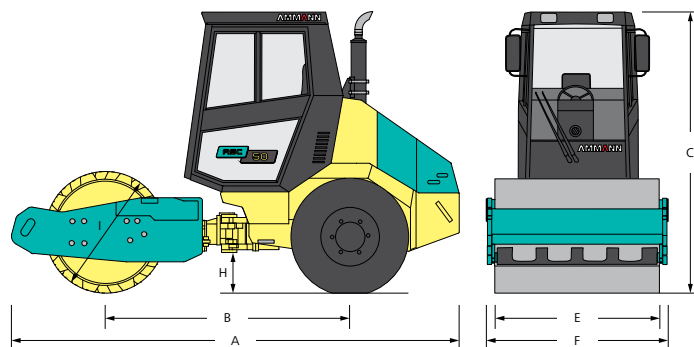
- Operator platform is mounted on vibration-free rubber mounts for highest comfort
- Drives energy into material and away from operator
- Has ROPS Operator platform

APPLICATIONS

- Pipeline construction
- Social and industrial development areas
- Structure backfill work
- Confined work spaces
- Electric and cable
- Dumpsite construction
- Subbase of roads

AMMANN

TECHNICAL SPECIFICATIONS
ASC 50 SOIL COMPACTOR
Tier 4i



DIMENSIONS

	D	PD
A MACHINE LENGTH	3920 mm (154.4 in)	3920 mm (154.4 in)
B WHEELBASE	2150 mm (84.7 in)	2150 mm (84.7 in)
C MACHINE HEIGHT	2440 mm (96.1 in)	2440 mm (96.1 in)
E DRUM WIDTH	1400 mm (55.2 in)	1400 mm (55.2 in)
F MACHINE WIDTH	1540 mm (60.7 in)	1540 mm (60.7 in)
G MACHINE LENGTH (BLADE)	–	–
H GROUND CLEARANCE	305 mm (12.1 in)	305 mm (12.1 in)
I DRUM DIAMETER	1070 mm (42.2 in)	1104 mm (43.5 in)
J DRUM SHELL THICKNESS	–	–

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	78 l (20.6 gal)
VOLTAGE	12 V

COMPACTION FORCES

	D	HD	PD
FREQUENCY I	34 Hz (2040 VPM)	34 Hz (2040 VPM)	–
FREQUENCY I CE	–	31 Hz (1680 VPM)	–
FREQUENCY II	–	37 Hz (2220 VPM)	34 Hz (2040 VPM)
FREQUENCY II CE	–	34 Hz (2040 VPM)	31 Hz (1680 VPM)
AMPLITUDE I	1.8 mm (0.07 in)	1.8 mm (0.07 in)	1.8 mm (0.07 in)
AMPLITUDE II	–	0.8 mm (0.03 in)	–
CENTRIFUGAL FORCE I	100 kN	40 kN	100 kN
CENTRIFUGAL FORCE II	–	100 kN	–

ENGINE

MANUFACTURER	Kubota V2203 M
POWER ACCORDING TO ISO 3046-1	D version – 35.9 kW (48 HP) HD, PD version – 49.8 kW (67 HP)
MAXIMUM TORQUE	211/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 4 Interim

WEIGHT & OPERATING CHARACTERISTICS

	D (OPEN CAB)	D (CAB)	HD (OPEN CAB)	HD (CAB)	PD (OPEN CAB)	PD (CAB)
OPERATING WEIGHT (CAB)	–	4320 kg (9520 lb)	–	4500 kg (9920 lb)	–	4500 kg (9920 lb)
OPERATING WEIGHT (OPEN CAB)	4250 kg (9370 lb)	–	4430 kg (9770 lb)	–	4430 kg (9770 lb)	–
MAXIMUM WEIGHT	4280 kg (9440 lb)	4350 kg (9590 lb)	4460 kg (9830 lb)	4530 kg (9990 lb)	4930 kg (10 870 lb)	5000 kg (11 020 lb)
STATIC LINEAR LOAD	16.6 kg/cm (90 lb/in)	16.6 kg/cm (90 lb/in)	17 kg/cm (100 lb/in)	17.3 kg/cm (100 lb/in)	–	–
MAX. TRANSPORT SPEED	7 km/h (4.3 MPH)	7 km/h (4.3 MPH)	7.5 km/h (4.7 MPH)	7.5 km/h (4.7 MPH)	7.5 km/h (4.7 MPH)	7.5 km/h (4.7 MPH)
CLIMBING ABILITY	30 %	30 %	40 %	40 %	40 %	40 %
TURNING RADIUS INNER (EDGE)	3600 mm (141.7 in)	3600 mm (141.7 in)	3600 mm (141.7 in)	3600 mm (141.7 in)	3600 mm (141.7 in)	3600 mm (141.7 in)

STANDARD EQUIPMENT

- ROPS structure
- Operator platform with guard rails
- Twin-lock drive system
- Smooth drum

OPTIONAL EQUIPMENT

- Cabin
- PD drum
- HD version