

ASC 70

SOIL COMPACTOR
Tier 4f

EFFICIENT AND EMISSION-FRIENDLY

The Ammann ASC 70 T4f Soil Compactor provides efficient compaction through the optional ACE^{force} system while meeting tight environmental standards with its Tier 4f engine. The roller is best suited to small and medium jobsites and delivers industry-leading compaction outputs. The HX version 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
Compact machine design for high stability, manoeuvrability and service access

ACE^{force}
Intelligent compaction tool for maximum efficiency and productivity

ERGONOMICS

Cab design
Spacious cab with low sound levels for all-day operator comfort

Simple and reliable dashboard
Intuitive machine control, even with an unskilled operator

Visibility
Perfect all-around machine visibility for safety on the jobsite

SERVICEABILITY

Tiltable cabin and engine hood
Best access to service points and engine compartment

Ground access to service and maintenance points
Machine serviced from ground, enabling comfort

Maintenance-friendly design
Easy and fast daily maintenance

APPLICATIONS

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

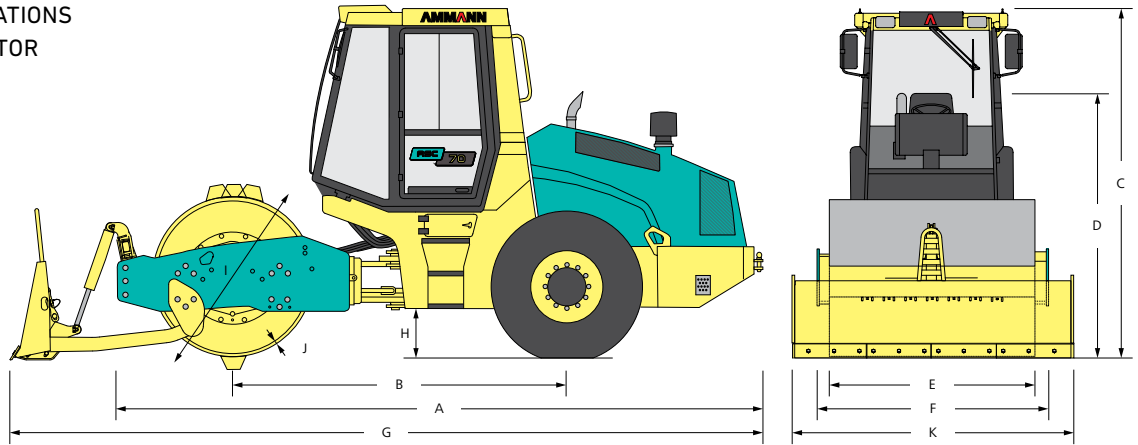
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 70 D	-	*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
Tier 4f



DIMENSIONS

	D	PD
A MACHINE LENGTH	5270 mm (207.5 in)	5270 mm (207.5 in)
B WHEELBASE	2690 mm (106 in)	2690 mm (106 in)
C MACHINE HEIGHT	2870 mm (113 in)	2870 mm (113 in)
D MACHINE HEIGHT (REMOVED CAB / ROPS)	2280 mm (89.8 in)	2280 mm (89.8 in)
E DRUM WIDTH	1680 mm (66.2 in)	1680 mm (66.2 in)
F MACHINE WIDTH	1875 mm (73.9 in)	1875 mm (73.9 in)
G MACHINE LENGTH (BLADE)	-	5630 mm (221.7 in)
H GROUND CLEARANCE	385 mm (15.2 in)	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)
K MACHINE WIDTH (BLADE)	-	2215 mm (87.3 in)

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	255 l (67.36 gal)
VOLTAGE	24 V

WEIGHT & OPERATING CHARACTERISTICS

	D	HX	PD	HXPD
OPERATING WEIGHT	7240 kg (15 960 lb)	7620 kg (16 800 lb)	7090 kg (15 630 lb)	7570 kg (16 690 lb)
MAXIMUM WEIGHT	9360 kg (20 640 lb)	9740 kg (21 470 lb)	8120 kg (17 900 lb)	8600 kg (18 960 lb)
STATIC LINEAR LOAD	23.7 kg/cm (132.7 lb/in)	24.3 kg/cm (136.1 lb/in)	-	-
MAX. TRANSPORT SPEED	11.4 km/h (7.1 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	5.1 km/h (3.2 MPH)	3.6 km/h (2.2 MPH)	4.8 km/h (3 MPH)	3.7 km/h (2.3 MPH)
CLIMBING ABILITY	45 %	60 %	45 %	60 %
TURNING RADIUS INNER (EDGE)	3200 mm (126 in)	3200 mm (126 in)	3200 mm (126 in)	3200 mm (126 in)

STANDARD EQUIPMENT

- CE conformity
- ROPS structure
- Cab ventilated and heated (incl. FOPS I)
- Smooth drum with steel scrapers
- 2 vibration frequencies and amplitudes
- Inter wheel differential-lock
- Electro-hydraulic tilting of hood/cab
- Working headlights (front and rear)

COMPACTION FORCES

	D / HX	PD / HXPD
FREQUENCY I	30 Hz (1800 VPM)	30 Hz (1800 VPM)
FREQUENCY II	41 Hz (2460 VPM)	41 Hz (2460 VPM)
FREQUENCY ACE MIN./MAX.	-	-
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)
AMPLITUDE ACE MIN./MAX.	-	-
CENTRIFUGAL FORCE I	145 kN	145 kN
CENTRIFUGAL FORCE II	130 kN	130 kN
CENTRIF. FORCE ACE MIN./MAX.	-	-

ENGINE

MANUFACTURER	Deutz TCD3.6 L4
POWER ACCORDING TO ISO 14396	55.4 kW (75 HP)
MAXIMUM TORQUE	390/1300 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIB, U.S.EPA Tier 4 final

OPTIONAL EQUIPMENT

- Air conditioning for cab version
- Ammann Traction Control (ATC)
- Padfoot drum or padfoot segments
- Dozer blade
- HX version
- ACE^{force} compaction measurement (absolute values) and ADS documentation system
- GPS mapping for ACE systems