

# ASC 70

SOIL COMPACTOR  
Tier 4i

## EFFICIENT AND EMISSION-FRIENDLY

The Ammann ASC 70 Tier 4i Soil Compactor provides efficient compaction through the optional ACE<sup>force</sup> system while meeting tight environmental standards with its Deutz engine. The roller is best suited to small and medium jobsites and delivers industry-leading compaction outputs. An HT and HD versions excels on jobsites where high tractive efforts are required.

## OPTIONAL ACE<sup>force</sup> TECHNOLOGY

- Provides measurement and documentation
- Precisely measures and evaluates material stiffness
- Shows compaction progress via operator-guiding function
- Includes ADS documentation software with office analyzing feature
- Can utilise all major manufacturers GPS products to provide mapping and operator guidance

## EASY ACCESS

- Easily accessible maintenance points
- Centralized draining points for service fluids

## OPERATOR FRIENDLY

- Clear dashboard layout ensures easy and safe operation
- Engine compartment design forces hot air toward the rear of the machine and away from the operator
- Operator platform is mounted on vibration-free rubber mounts for highest comfort

## INDUSTRY-LEADING COMPACTION

- Utilises effective Ammann vibratory system
- Offers varied amplitude settings
- Drives energy into the material and away from the operator

## APPLICATIONS

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

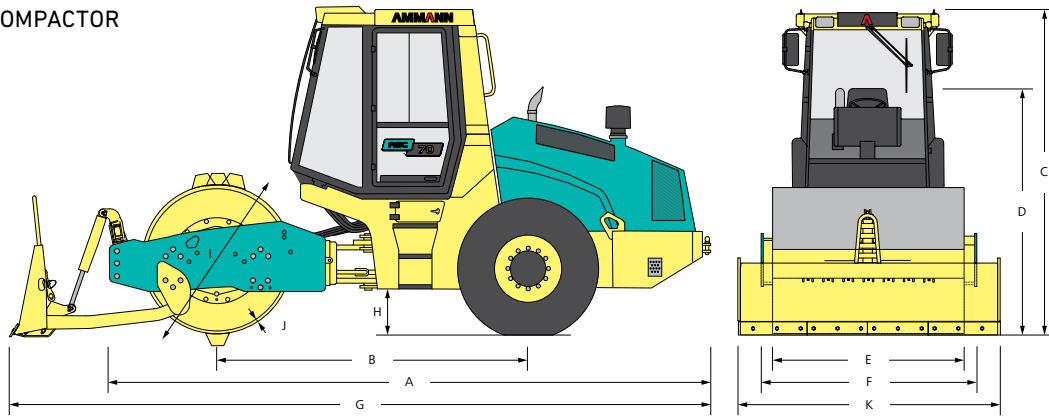
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	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 4i



**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	HT	HD	PD	HTPD	HDPD
OPERATING WEIGHT	7240 kg (15960 lb)	7620 kg (16800 lb)	7240 kg (15960 lb)	7090 kg (15630 lb)	7570 kg (16690 lb)	7090 kg (15630 lb)
MAXIMUM WEIGHT	9360 kg (20640 lb)	9740 kg (21470 lb)	9360 kg (20640 lb)	8120 kg (17900 lb)	8600 kg (18960 lb)	8120 kg (17900 lb)
STATIC LINEAR LOAD	23.7 kg/cm (132.7 lb/in)	24.3 kg/cm (136.1 lb/in)	23.7 kg/cm (132.7 lb/in)	-	-	-
MAX. TRANSPORT SPEED	11.4 km/h (7.1 MPH)	8.4 km/h (5.2 MPH)	10 km/h (6.2 MPH)	11.1 km/h (6.9 MPH)	8.5 km/h (5.3 MPH)	10.1 km/h (6.3 MPH)
MAX. WORKING SPEED	5.1 km/h (3.2 MPH)	3.6 km/h (2.2 MPH)	4.4 km/h (2.7 MPH)	4.8 km/h (3 MPH)	3.7 km/h (2.3 MPH)	4.5 km/h (2.8 MPH)
CLIMBING ABILITY	45 %	60 %	55 %	45 %	60 %	55 %
TURNING RADIUS INNER (EDGE)	3200 mm (126 in)	3200 mm (126 in)	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 / HT / HD	PD / HTPD / HDPD
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 3046-1	74.4 kW (100 HP)
MAXIMUM TORQUE	410/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIB, U.S. EPA Tier 4 Interim

**OPTIONAL EQUIPMENT**

- Air condition for Cab version
- Ammann Traction Control (ATC)
- Padfoot drum or padfoot segments
- Dozer blade
- HD and HT versions
- ACE<sup>force</sup> compaction measurement (absolute values) and ADS documentation system
- GPS mapping for ACE systems