



ASC 70

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

EFFICIENT WITH HIGH OUTPUT

The Ammann ASC 70 Soil Compactor provides efficient compaction through the optional ACE system. Compaction is maximised through the Ammann vibratory system and varied amplitude settings. The roller is best suited to small and medium jobsites and delivers industry-leading compaction outputs. An HX versions 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

Tilttable 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

- 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

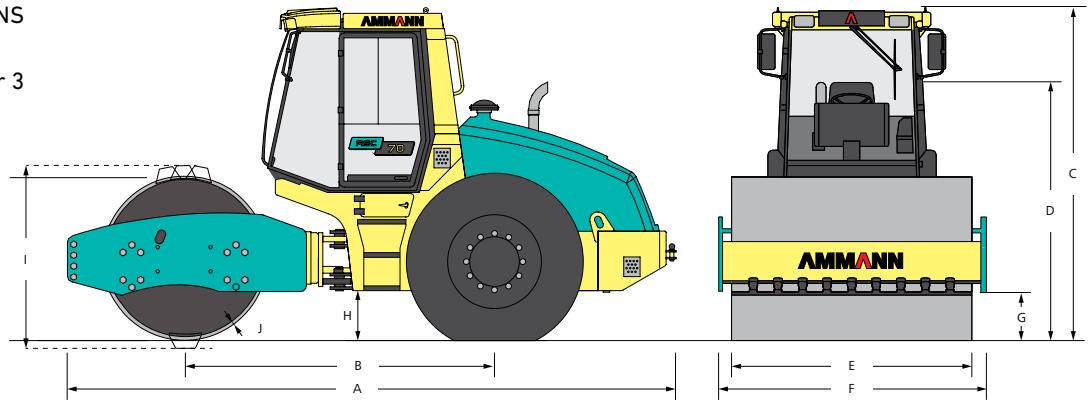
	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 70	-	*0.45 m (18 in)	*0.35 m (14 in)	0.25 m (10 in)	0.15 m (6 in)
ASC 70 PD	-	-	*0.35 m (14 in)	*0.25 m (10 in)	*0.2 m (8 in)

*Recommended drum type



Republica Moldova, MD-2023
mun. Chişinău, str. Uzinelor 90
+ /373/ 67 707 707
office@etop.md
www.etop.md

TECHNICAL SPECIFICATIONS
ASC 70 SOIL COMPACTOR
EU Stage IIIA, U.S. EPA Tier 3



DIMENSIONS		
A	Machine length	5195 mm (204.6 in)
B	Wheelbase	2560 mm (100.8 in)
C	Machine height	2870 mm (113 in)
D	Machine height (removed CAB / ROPS)	2280 mm (89.8 in)
E	Drum width	1680 mm (66.2 in)
F	Machine width	1875 mm (73.8 in)
G	Curb clearance	350 mm (13.8 in)
H	Ground clearance	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)

*PD

MISCELLANEOUS	
Brakes operating	Hydrostatic
Brakes parking	Multiple-disc spring brake
Brakes emergency	Multiple-disc spring brake
Fuel tank capacity	275 l (72.65 gal)
Articulation angle	±36°
Oscillation angle	±12°

COMPACTION FORCES		
		PD
Frequency I	30 Hz (1800 VPM)	30 Hz (1800 VPM)
Frequency II	41 Hz (2460 VPM)	41 Hz (2460 VPM)
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)
Centrifugal force I	145 kN (32 597 lbf)	145 kN (32 597 lbf)
Centrifugal force II	130 kN (29225 lbf)	130 kN (29225 lbf)

ENGINE	
Manufacturer	Cummins QSB 3.3-C99
Power according to ISO 3046-1	74 kW (99 HP)
Maximum torque	412/1600 Nm/rpm
Emission class	EU Stage IIIA, U.S. EPA Tier 3

WEIGHT & OPERATING CHARACTERISTICS				
		HX	PD	HXPD
Operating weight	7140 kg (15740 lb)	7620 kg (16800 lb)	7090 kg (15630 lb)	7570 kg (16690 lb)
Maximum weight	9260 kg (20410 lb)	9740 kg (21470 lb)	8120 kg (17900 lb)	8600 kg (18960 lb)
Static linear load	23.9 kg/cm (133.8 lb/in)	24.3 kg/cm (136.1 lb/in)	-	-
Pad contact surface	-	-	114 cm ² (17,7 sq in)	114 cm ² (17,7 sq in)
Pad height	-	-	80 mm (3.1 in)	80 mm (3.1 in)
Max. transport speed	11 km/h (6.8 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	4.7 km/h (2.9 MPH)	3.6 km/h (2.2 MPH)	4.8 km/h (3 MPH)	3.7 km/h (2.3 MPH)
Climbing ability without / with vibration	45% / 40%	60% / 40%	45% / 40%	60% / 40%
Turning radius inner (EDGE)	3090 mm (121.7 in)	3090 mm (121.7 in)	3090 mm (121.7 in)	3090 mm (121.7 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)

ARS 70

SOIL COMPACTOR
EU Stage V / U.S. EPA Tier 4 Final

WHEN MANOEUVRABILITY MATTERS

The ARS 70, Ammann's smallest soil compactor, is one of the most manoeuvrable compactors on the market. It is 16 per cent shorter than the previous generation and features a tight turning radius of 2580 mm (101.6 in). The machine is extremely compact because of its innovative design, which efficiently positions the engine, coolers, liquid tanks and hydraulics in the engine compartment. The ARS 70 also features improved visibility, fuel efficiency and climbing ability.

PRODUCTIVITY

- High compaction output - faster compaction of thicker layers in fewer passes
- No-rear-axle concept – optimal stability and low center of gravity, which significantly improves safety on jobsites
- Variable range of vibration frequencies for added versatility
- ACE^{force} Intelligent Compaction tool for higher compaction efficiency

ERGONOMICS

- Spacious, quiet cab with integrated ROPS structure
- New multifunctional display for intuitive machine control and operation
- Excellent machine visibility with 360° view to machine edges and surroundings
- Innovative travel lever with speed adjustment and wider machine speed range (newly 5+1 speed instead of 3+1)

APPLICATIONS

- Pipeline construction
- Electric cable construction
- Social and industrial development areas
- Housing developments
- Backfill work
- Confined work spaces

SERVICEABILITY

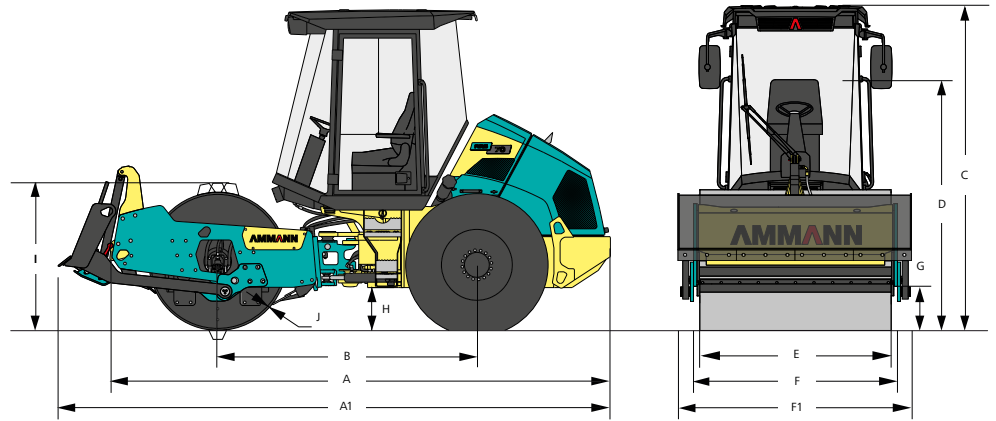
- All service points and engine compartment accessible from the ground
- Wide-opening rear hood for easy and fast daily maintenance
- ECOdrop – machine efficiency and reductions in fuel consumption and required fluids

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ARS 70	-	* 450 mm (18 in)	* 350 mm (14 in)	250 mm (10 in)	150 mm (6 in)
ARS 70 (PD)	-	-	* 350 mm (14 in)	* 250 mm (10 in)	*200 mm (8 in)

* Recommended drum type

TECHNICAL SPECIFICATIONS
ARS 70 SOIL COMPACTOR
EU Stage V / U.S. EPA Tier 4 Final



DIMENSIONS

A	MACHINE LENGTH	4425 mm (174.4 in)
A1	MACHINE LENGTH (BLADE)	4985 mm (196.3 in)
B	WHEELBASE	2300 mm (90.6 in)
C	MACHINE HEIGHT	2860 mm (112.6 in)
D	MACHINE HEIGHT (OPERATOR SEAT)	2285 mm (90 in)
E	DRUM WIDTH	1680 mm (66.1 in)
F	MACHINE WIDTH	1790 mm (70.5 in)
F1	MACHINE WIDTH (BLADE)	2077 mm (81.8 in)
G	CURB CLEARANCE	382 mm (15 in)
H	GROUND CLEARANCE	380 mm (15 in)
I	DRUM DIAMETER	1225 mm (48.2 in) / *1377 mm (54.2 in)
J	DRUM THICKNESS	18 mm (0.7 in) / *15 mm (0.6 in)

*PD

ENGINE

MANUFACTURER	Kubota V3307-CR-TE5
POWER ACCORDING TO ISO 14396	55.4 kW (75 HP)
EXHAUST GAS AFTER-TREATMENT	EGR+DOC+DPF
EU Stage V / U.S. EPA Tier 4 Final	

COMPACTION FORCES

	PD	
FREQUENCY I	25–34 Hz (1500–2040 vpm)	25–33 Hz (1500–1980 vpm)
FREQUENCY II	25–36 Hz (1500–2160 vpm)	25–35 Hz (1500–2100 vpm)
AMPLITUDE I	1.6 mm (0.063 in)	1.65 mm (0.065 in)
AMPLITUDE II	0.7 mm (0.028 in)	0.71 mm (0.028 in)
CENTRIFUGAL FORCE I	71–131 kN (15,961–29,450 lbf)	90–156 kN (20,232–35,070 lbf)
CENTRIFUGAL FORCE II	31–64 kN (6969–14,388 lbf)	38–80 kN (8542–17,984 lbf)

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Multiple-disc spring brake
BRAKES EMERGENCY	Multiple-disc spring brake
FUEL TANK CAPACITY	130 l (34.34 gal)
ARTICULATION ANGLE	±30°
OSCILLATION ANGLE	±9°

WEIGHT & OPERATING CHARACTERISTICS

	HX	PD	HXPD
OPERATING WEIGHT	6490 kg (14,310 lb)	6490 kg (14,310 lb)	6910 kg (15,230 lb)
MAXIMUM WEIGHT	8400 kg (18,520 lb)	8400 kg (18,520 lb)	8820 kg (19,440 lb)
STATIC LINEAR LOAD	23.2 kg/cm (129.9 lb/in)	23.2 kg/cm (129.9 lb/in)	-
PAD CONTACT SURFACE	-	-	82,5 cm ² (12.8 sq in)
PAD HEIGHT	-	-	80 mm (3.1 in)
MAX. TRANSPORT SPEED	12 km/h (7.5 MPH)	12 km/h (7.5 MPH)	12 km/h (7.5 MPH)
MAX. WORKING SPEED	6 km/h (3.7 MPH)	6 km/h (3.7 MPH)	6 km/h (3.7 MPH)
CLIMBING ABILITY WITHOUT / WITH VIBRATION	52% / 48%	68% / 52%	54% / 51%
TURNING RADIUS (INNER)	2580 mm (101.6 in)	2580 mm (101.6 in)	2580 mm (101.6 in)

STANDARD EQUIPMENT

- CE conformity
- Cab with ROPS structure
- Smooth drum with steel scrapers
- Multiple frequencies / 2 amplitudes vibration system
- External draining points
- Working headlights (front and rear)
- Ergonomic and suspended operator seat
- Multifunctional operator display
- Telematics ready

OPTIONAL EQUIPMENT

- Air-conditioning (cab version only)
- Drum - PD version / steel scrapers
- Drum - PD shell kit / steel scrapers
- Smooth drum - vulcalon scrapers
- ACE^{force} - Ammann Compaction Expert
- Warning beacon
- Backup alarm
- HX drive
- Dozer blade