ASC 90

SOIL COMPACTOR
Tier 4i

INDUSTRY-LEADING COMPACTION

This roller provides the weight and static linear load needed on small to medium jobsites with tough materials. Power is no problem with the Tier 4i Deutz engine. The ASC 90 Tier 4i also can add jobsite efficiency through the optional ACE^{force} system. When it comes to footing, the roller has drum drive and separate hydraulics for each rear wheel to enable traction. An HT and HD versions of the roller excels on jobsites where high tractive efforts are required.

OPTIONAL ACE^{force} 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 enables 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)

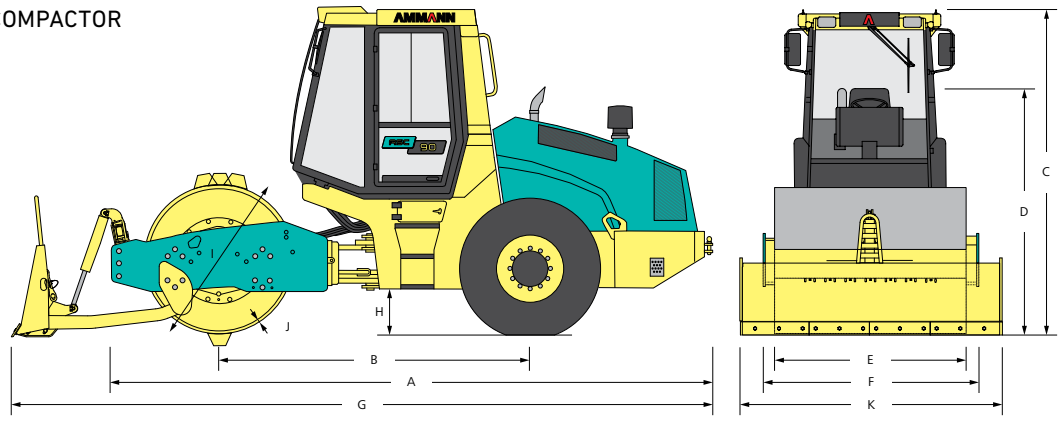
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Rockfill	Sand / Gravel	Mixed Soils	Silt	Clay
ASC 90 D	–	*0.5 m (20 in)	*0.4 m (16 in)	0.3 m (12 in)	0.2 m (8 in)
ASC 90 PD	–	–	*0.4 m (16 in)	*0.3 m (12 in)	*0.25 m (10 in)

*Recommended drum type

AMMANN

TECHNICAL SPECIFICATIONS
ASC 90 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

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	1.85 mm (0.073 in)	1.85 mm (0.073 in)
AMPLITUDE II	0.91 mm (0.036 in)	0.91 mm (0.036 in)
AMPLITUDE ACE MIN./MAX.	–	–
CENTRIFUGAL FORCE I	160 kN	160 kN
CENTRIFUGAL FORCE II	145 kN	145 kN
CENTRIF. FORCE ACE MIN./MAX.	–	–

ENGINE

MANUFACTURER	Deutz TCD 3.6 L4
POWER ACCORDING TO ISO 14396	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

WEIGHT & OPERATING CHARACTERISTICS

	D	HT	HD	PD	HTPD	HDPD
OPERATING WEIGHT	9000 kg (19 840 lb)	9050 kg (19 950 lb)	9000 kg (19 840 lb)	8940 kg (19 710 lb)	8990 kg (19 820 lb)	8940 kg (19 710 lb)
MAXIMUM WEIGHT	10 700 kg (23 590 lb)	10 750 kg (23 700 lb)	10 700 kg (23 590 lb)	9550 kg (21 070 lb)	9600 kg (21 160 lb)	9550 kg (21 050 lb)
STATIC LINEAR LOAD	31.6 kg/cm (177 lb/in)	31.9kg/cm (178.6 lb/in)	31.6 kg/cm (177 lb/in)	–	–	–
MAX. TRANSPORT SPEED	11.4 km/h (7.1 MPH)	–	10.3 km/h (6.4 MPH)	11.1 km/h (6.9 MPH)	8.5 km/h (5.3 MPH)	10.4 km/h (6.5 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)

OPTIONAL EQUIPMENT

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

For additional product information and services please visit: **www.ammann-group.com**

Specifications are subject to change.

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