

ASC 90

SOIL COMPACTOR
Tier 3

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 Cummins engine. The ASC 90 Tier 3 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
- Optionally centralized draining points for service fluids

OPERATOR FRIENDLY

- Clear dashboard layout enables easy and safe operation
- 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)

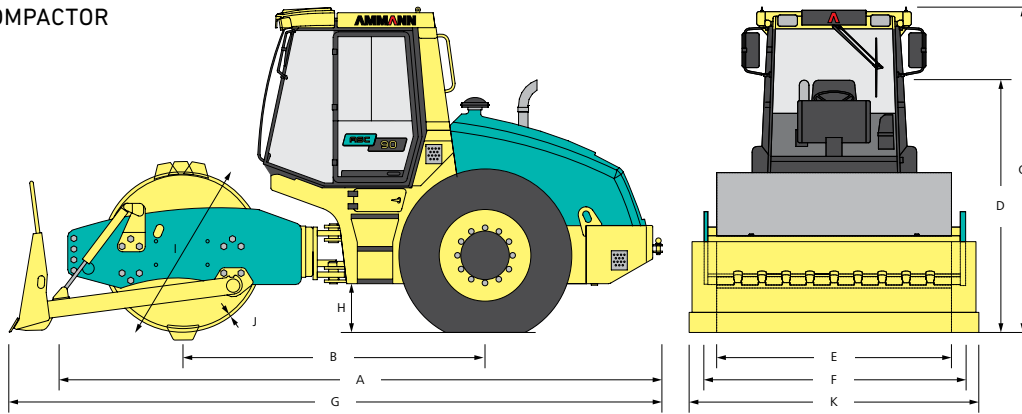
MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	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 3



DIMENSIONS

		D	PD
A	MACHINE LENGTH	5195 mm (204.6 in)	5195 mm (204.6 in)
B	WHEELBASE	2560 mm (100.8 in)	2560 mm (100.8 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	1720 mm (67.8 in)	1720 mm (67.8 in)
G	MACHINE LENGTH (BLADE)	-	5555 mm (218.8 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	275 l (72.65 gal)
VOLTAGE	24 V

WEIGHT & OPERATING CHARACTERISTICS

	D	HT	HD	PD	HTPD	HDPD
OPERATING WEIGHT	8820 kg (19 440 lb)	8880 kg (19 580 lb)	8820 kg (19 440 lb)	8770 kg (19 330 lb)	8830 kg (19 470 lb)	8770 kg (19 330 lb)
MAXIMUM WEIGHT	10 520 kg (23 190 lb)	10 580 kg (23 320 lb)	10 520 kg (23 190 lb)	9380 kg (20 680 lb)	9440 kg (20 810 lb)	9380 kg (20 680 lb)
STATIC LINEAR LOAD	31.6 kg/cm (177 lb/in)	32 kg/cm (179.2 lb/in)	31.6 kg/cm (177 lb/in)	-	-	-
MAX. TRANSPORT SPEED	11 km/h (6.84 MPH)	8.4 km/h (5.22 MPH)	10.3 km/h (6.4 MPH)	11.1 km/h (6.9 MPH)	8.5 km/h (5.28 MPH)	10.4 km/h (6.46 MPH)
MAX. WORKING SPEED	4.7 km/h (2.92 MPH)	3.6 km/h (2.24 MPH)	4.4 km/h (2.73 MPH)	4.8 km/h (2.98 MPH)	3.7 km/h (2.3 MPH)	4.5 km/h (2.8 MPH)
CLIMBING ABILITY	45 %	55 %	55 %	45 %	60 %	55 %
TURNING RADIUS INNER (EDGE)	3090 mm (121.7 in)	3090 mm (121.7 in)	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)

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	Cummins QSB 3.3-C99
POWER ACCORDING TO ISO 3046-1	74 kW (99 HP)
MAXIMUM TORQUE	412/1600 Nm/rpm
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3

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
- Dozer blade
- HD and HT versions
- ACE^{force} compaction measurement (absolute values) and ADS documentation system
- GPS mapping for ACE systems