

ARP 95C

PIVOT-STEER TANDEM ROLLER
EU Stage V / US EPA Tier 4 Final



THE ULTIMATE IN VERSATILITY

The Ammann ARP 95C Combination Roller provides the benefits of vibratory and pneumatic compactors in a single machine. The roller also utilises pivot steering to provide manoeuvrability and flexibility. The proprietary Ammann compaction systems ACE^{force} and ACE^{pro} help provide efficiency and quality.

APPLICATIONS

- Medium and large jobsites
- Transport construction (municipal and town roads, motorways, airfields)
- Building construction (houses and industrial zones)

PRODUCTIVITY

- Pivot steering with split drums for optimum manoeuvrability
- A standard differential lock for improved traction on difficult jobsites and easier machine loading
- A variable range of vibration frequencies for added versatility
- ACE^{pro}/ACE^{force} Intelligent Compaction tools to help eliminate unnecessary passes of the roller

ERGONOMICS

- A spacious cab with low sound levels and 270° rotating seat for all-day operator comfort
- A multifunctional display for intuitive machine control and operation, helping even inexperienced operators be safe and productive
- Optimum all-around machine visibility for comfort and safety

SERVICEABILITY

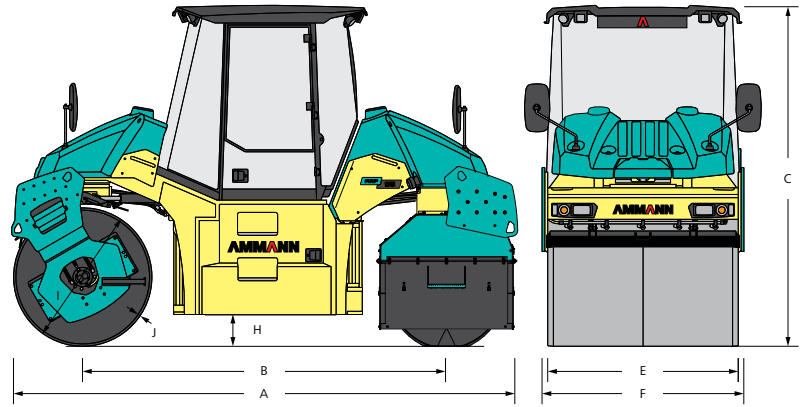
- A tiltable cab that provides easy access to service points and the engine compartment
- Large engine doors, accessible from ground level, facilitate maintenance operations minimising machine downtime
- ECOdrop feature – machine efficiency and reductions in fuel consumption and required fluids

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Sand / Gravel	Mixed soils	Silt	Clay	Stabilisation	Asphalt
ARP 95C	300 mm (12 in)	200 mm (8 in)	–	–	150 m (6 in)	120 m (4.7 in)

AMMANN

TECHNICAL SPECIFICATIONS
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DIMENSIONS

A	MACHINE LENGTH	4520 mm (178 in)
B	WHEELBASE	3300 mm (129.9 in)
C	MACHINE HEIGHT	3000 mm (118.1 in)
E	DRUM WIDTH	1680 mm (66.1 in)
E	PNEU WIDTH	1610 mm (63.4 in)
	MAX WORKING OFFSET MODE	3035 mm (119.5 in)
F	MACHINE WIDTH	1810 mm (71.3 in)
H	GROUND CLEARANCE	280 mm (11 in)
I	DRUM DIAMETER	1220 mm (48 in)
J	DRUM SHELL THICKNESS	17 mm (0.7 in)

WEIGHT & OPERATING CHARACTERISTICS

	ARP 95C	ARP 95C (ACE ^{pro})
OPERATING WEIGHT	9250 kg (20 390 lb)	9290 kg (20 480 lb)
MAXIMUM WEIGHT	10 940 kg (24 120 lb)	10 980 kg (24 210 lb)
STAT. LIN. LOAD OF FRONT DRUM	28.5 kg/cm (159.3 lb/in)	28.6 kg/cm (160.2 lb/in)
MAX. TRANSPORT SPEED	10 km/h (6.21 MPH)	10 km/h (6.21 MPH)
CLIMBING ABILITY / WITHOUT VIB.	25 / 30 %	25 / 30 %
TURNING RADIUS IN. (EDGE)	3065 mm (120.7 in)	3065 mm (120.7 in)
TURNING RADIUS OUT. (CONTOUR)	4785 mm (188.4 in)	4785 mm (188.4 in)
STEERING / OSCILLATION ANGLE	±25° / ±6°	±25° / ±6°

ENGINE

MANUFACTURER	Deutz TCD3.6 L4
POWER ACCORDING TO ISO 14396	74.4 kW (100 HP)
NOMINAL SPEED	2200 min ⁻¹ (RPM)
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STANDARD EQUIPMENT

- CE conformity
- Cabin, ventilated and heated
- Rotating and sliding working station with multifunctional display
- One split drum
- Two stage vibration system (2 frequencies / 2 amplitudes)
- Working lights 2 front, 2 rear
- Smooth drum with vulcolan scrapers
- Inter-axle differential lock
- Electronic idle control
- Pneu-tire axle with emulsion sprinkling and thermal aprons

COMPACTION FORCES

	ARP 95C	ARP 95C (ACE ^{pro})
FREQUENCY I	*42 Hz (2520 VPM)	-
FREQUENCY II	*52 Hz (3120 VPM)	-
FREQUENCY ACE ^{pro} MIN.	-	37 Hz (2220 VPM)
FREQUENCY ACE ^{pro} MAX.	-	52 Hz (3120 VPM)
AMPLITUDE I	*0.65 mm (0.026 in)	-
AMPLITUDE II	*0.28 mm (0.01 in)	-
AMPLITUDE ACE ^{pro} MAX.	-	0.85 mm (0.033 in)
CENTRIFUGAL FORCE I	*91 kN (20 457.6 lbf)	-
CENTRIFUGAL FORCE II	*60 kN (13 488.5 lbf)	-
CENTRIF. FORCE ACE ^{pro} MAX.	-	110 kN (24 729 lbf)

MISCELLANEOUS

DRUM OFFSET	1355 mm (53.4 in)
BRAKES OPERATING	Hydrostatic
BRAKES PARKING	Mechanical multiple-disc
BRAKES EMERGENCY	Mechanical multiple-disc
SIZE OF TYRES	11.00x20,00 16PR
FUEL TANK CAPACITY	165 l (43.6 gal)
DEF (ADBLUE) TANK	10 l (2.6 gal)
WATER TANK CAPACITY	800 l (211.3 gal)
VOLTAGE	24 V

* Standard & Ace^{force} drum

OPTIONAL EQUIPMENT

- Air conditioning
- Ammann chip spreader
- Universal preparation for multiple chip spreaders
- Edge-cutter (one or two)
- 360° illumination kit (for machine's surroundings and engine compartments)
- ACE^{pro} Intelligent Compaction system with measuring (absolute values), automatic regulation of compaction performance (frequency and amplitude) and ADS documentation system
- ACE^{force} compaction measurement (absolute values) and ADS documentation system
- GPS mapping for ACE systems