

ARP 75

PIVOT-STEER TANDEM ROLLER

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



PUNCH AND PRECISION

Advanced steer-by-wire machine control is the hallmark of the Ammann ARP 75 Pivot-Steer Roller. The precise machine control includes machine fingertip steering (FTS) and an advanced drive lever with intelligent functions. A 10-inch multifunctional touchable display also establishes a new market standard. Newly designed front and rear water tanks for the sprinkling system hold volumes of water that are among the highest on the market – minimising refills during asphalt compaction.

PRODUCTIVITY

Pivot steering with split drums

Enables high manoeuvrability and reduces surface shear forces. A wide range of working widths provide productivity.

Multiple vibration frequencies

Varied vibratory settings increase or decrease compaction output for even more precise compaction control and higher quality.

Sprinkling system

3-stage filtration system with large water tank for extended intervals between fillings

ERGONOMICS

Advanced machine controls

Ergonomic steering system makes the machine operator-friendly and easy to control

Operator station

An intuitively organized, fully adjustable operator station has all controls located within easy reach

Uninhibited visibility

Excellent all-around machine visibility for jobsite safety

APPLICATIONS

- Open, straight jobsites
- Municipal roads
- Highways
- Tighter jobsites
- Roundabouts
- Urban areas

SERVICEABILITY

ECOdrop

Smart machine functions and new technologies improve efficiency and reduce fuel consumption and the amount of required fluids.

Maintenance-friendly design

Tool-free, wide-opening side doors provide access to the engine compartments and service points

Self-diagnostic system

The on-board, automated diagnostic system quickly identifies potential problems

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

	Sand / Gravel	Mixed Soils	Silt	Clay	Stabilisation	Asphalt
ARP 75	350 mm (13.7 in)	250 mm (9.8 in)	N/A	N/A	180 mm (7 in)	40-130 mm (1.58-5.1 in)

AMMANN

TECHNICAL SPECIFICATIONS
 ARP 75 PIVOT-STEER TANDEM ROLLER
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DIMENSIONS		
A	Machine length	4100 mm (161,4 in)
B	Wheelbase	3000 mm (118.1 in)
C	Machine height	3000 mm (118.1 in)
E	Drum width	1500 mm (59,1 in)
F	Machine width	1670 mm (65,7 in)
G	Curb clearance	715 mm (28,1 in)
H	Ground clearance	240 mm (9,4 in)
I	Drum diameter	1100 mm (43,3 in)
J	Drum thickness	18 mm (0,7 in)

COMPACTION FORCES	
Frequency I	38-48 Hz (2280-2880 VPM)
Frequency II	45-55 Hz (2700-3300 VPM)
Amplitude I	0,68 mm (0,03 in)
Amplitude II	0,39 mm (0,02 in)
Centrifugal force I	58-92 kN (13 038,92 - 20 682,42 lbf)
Centrifugal force II	47-70 kN (10 566,02 - 15 736,63 lbf)

WEIGHT & DRIVING CHARACTERISTIC	
Operating weight CECE	7375 kg (16 259 lb)
Stat. lin. load	24.6 kg (54.23 lb)
Travel speed	10 km/h (6.21 miles/h)
Oscillation angle	± 6°
Steering angle	± 24°
Turning radius, inner (edge)	2938 mm (115.7 in)
Drum offset	1220 mm (48 in)

MISCELLANEOUS	
Fuel tank capacity	180 liters (47,5 gallons)
Water tank capacity	900 liters (237,75 gallons)

ENGINE	
Manufacturer	Kubota V3307-CR-T
Power output ISO 14396	54.4 kW (74 HP)
Emission class	EU Stage V, U.S. EPA Tier 4 Final
Exhaust gas after-treatment	EGR+DOC+DPF

OPTIONAL EQUIPMENT	
<ul style="list-style-type: none"> Customer color scheme Split double drums (Front ACE^{pro}) Split combi drums (Front ACE^{pro}) Biodegradable hydraulic oil Additional Lights 360° LED Additional Lights 360° LED for Combi A/C A/C without Cooling Medium Radio Preparation Radio Sun Films on Cabin Glasses Sun Visor Warning Beacon LED Warning Beacon Green LED Back-up Alarm Back-up Alarm Adaptive Edge Cutter 45° (Front Right) Edge Cutter 45° (Diagonal) Edge Cutter 45° (Rear left) Chip Spreader Preparation Chip Spreader Infrared Thermometer Compaction Measuring System ACE^{force} Telematics Preparation Telematics Topcon Telematics Trackunit Telematics ServiceLink 	<ul style="list-style-type: none"> GPS Q-Compaction Preparation GPS Q-Compaction Preparation ACE GPS Q-Compaction ACE ADS (Ammann Documentation System) ADS (Ammann Documentation System) RTK Rear View Camera Rear View Camera for Chip Spreader ROPS 2D Water Tank Filling from Ground Slow Moving Vehicle Triangle Toolset Fire Extinguisher Cooling Box Seat Belt 3" Maintenance Kit 500h Maintenance Kit 1000h Maintenance Kit 2000h Engine Automatic Stop Steering Control Battery Disconnection Switch Registration Plate Holder Container Shipment Preparation Certificate of Origin Additional Printed Documentation Additional Lights Cabin LED

STANDARD
<ul style="list-style-type: none"> CE conformity Cab version with integrated ROPS Working lights on cab 10" multi-control display with on-board diagnostics 270° rotatable & slideable seat FTS (Finger Tip Steering) 2 smooth drums, multiple frequencies/ 2 amplitude vibratory system Ammann color scheme Tiltable scrapers Central draining points Test ports on hydro-components