

ARX 140

ARTICULATED TANDEM ROLLER

EU STAGE V / U.S. EPA TIER 4 FINAL



APPLICATIONS

- High-volume asphalt works
- Highways
- Industrial areas
- Airfields

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

Machine customisation

Options make the machine a perfect match for diverse jobsites and varying customer needs

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

No limits in visibility

Excellent all-around machine visibility for safety on the jobsite

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

OPTIONAL EQUIPMENT

- Color scheme customer
- Drums double unsplit HF
- Cab with ROPS
- A/C
- A/C without cooling medium
- Radio preparation
- Radio
- Sun films on cab glasses
- Crab mode
- Hydraulic oil biodegradable
- Road lights
- Additional lights 360° LED
- Warning beacon LED
- Warning beacon green LED
- Back-up alarm
- Back-up alarm adaptive
- Registration plate holder
- Edge cutter 45° (front right)
- Edge cutter 45° (front right/front left)
- Edge cutter 45° (diagonal)
- Chip spreader
- Seat belt 3"
- Infrared thermometer
- Compaction measuring system ACE^{force}
- Telematics preparation
- Telematics Topcon
- Telematics trackunit
- Telematics ServiceLink
- 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
- ROPS 2D
- Safety cover
- Sprinkling system second antifreeze pump
- Water tank filling from ground
- Slow moving vehicle triangle
- Toolset
- Fire extinguisher
- Maintenance kit 500h
- Maintenance kit 1000h
- Maintenance kit 2000h
- Engine automatic stop
- CE conformity
- Italokit
- Steering control
- Battery disconnection switch
- Container shipment preparation
- Sun visor
- Cooling box
- Certificate of origin
- Additional documentation printed
- Drawbar

STANDARD EQUIPMENT

- CE conformity
- Open platform with ROPS
- Working lights on platform/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
- Tilttable scrapers
- Central draining points
- Test ports on hydro-components

TECHNICAL SPECIFICATIONS
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DIMENSIONS

A	MACHINE LENGTH	5150 mm (202,8 in)
B	WHEELBASE	3750 mm (147,6 in)
C	MACHINE HEIGHT	3000 mm (118,1 in)
E	DRUM WIDTH	2130 mm (83,9 in)
F	MACHINE WIDTH	2260 mm (89 in)
G	CURB CLEARANCE	990 mm (39 in)
H	GROUND CLEARANCE	325 mm (12,8 in)
I	DRUM DIAMETER	1400 mm (55,1 in)
J	DRUM THICKNESS	19 mm (0,7 in)

WEIGHT & OPERATING CHARACTERISTICS

	ARX 140	ARX 140 HF
OPERATING WEIGHT CECE	13 300 kg (29322 lb)	13 300 kg (29322 lb)
STAT. LIN. LOAD	62,4 kg (1376 lb)	62,4 kg (1376 lb)
TRAVEL SPEED	12 km/h (7,5 miles/h)	12 km/h (7,5 miles/h)
OSCILLATION ANGLE	± 6°	± 6°
STEERING ANGLE	± 33°	± 33°
TURNING RADIUS, INNER (EDGE)	5225 mm (205,7 in)	5225 mm (205,7 in)
DRUM OFFSET	170 mm (6.7 in)	170 mm (6.7 in)

ENGINE

MANUFACTURER	Perkins 904J
POWER OUTPUT ISO 14396	100 kW (134 HP)
EMISSION CLASS	EU Stage V / U.S. EPA Tier 4 Final
EXHAUST GAS AFTER-TREATMENT	EGR+DOC+DPF+SCR

COMPACTION FORCES

	ARX 140	ARX 140 HF
FREQUENCY I	35-40 Hz (2100-2400 VPM)	38-48 Hz (2280-2880 VPM)
FREQUENCY II	40-50 Hz (2400-3000 VPM)	52-62 Hz (3120-3720 VPM)
AMPLITUDE I	0,82 mm (0,032 in)	0,58 mm (0,023 in)
AMPLITUDE II	0,37 mm (0,015 in)	0,24 mm (0,01 in)
CENTRIFUGAL FORCE I	104-136 kN (23 380 - 30 574 lbf)	86-137 kN (19 333-30 799 lbf)
CENTRIFUGAL FORCE II	61-96 kN (13 713 - 21 581 lbf)	67-95 kN (15 062-21 357 lbf)

MISCELLANEOUS

BRAKES OPERATING	Hydrostatic
PARKING BRAKES	Multiple-disc spring brake
EMERGENCY BRAKES	Multiple-disc spring brake
FUEL TANK CAPACITY	180 liters (47,5 gallons)
WATER TANK CAPACITY	1010 liters (266 gallons)
VOLTAGE	24 V

MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

ROCKFILL	N/A
SAND / GRAVEL	450 mm (17.7 in)
MIXED SOILS	350 mm (13.7 in)
SILT	N/A
CLAY	N/A
STABILISATION	250 mm (9.8 in)
ASPHALT	40-160 mm (1.58-6.3 in)