# ARX 90C

## ARTICULATED TANDEM ROLLER
### EU Stage IV / US EPA Tier 4f

## MEETING THE HIGHEST STANDARDS

The Ammann ARX 90 C Combination Roller provides the benefits of vibratory and pneumatic compactors in a single machine while meeting EU Stage IV / US EPA Tier 4f emissions standards. The optional ACE$^{force}$ system provides a host of benefits including measurement and documentation, evaluation of material stiffness, operator guidance and documentation.

## COMBI BENEFITS

- Roller can be used on various layers of asphalt and at different stages of compaction
- Steel drum has vibration capability while tyres provide static compaction that creates a sealing effect
- Vibratory and pneumatic compaction with a single machine minimises fleet needs
- Amplitude and frequency are simple to adjust
- ACE$^{force}$ compaction control system is optional

## EASY CONTROL

- Articulated steering
- Oscillating articulation joint
- 170 mm crab steering (both modes)

## EXCELLENT VISIBILITY

- Excellent visibility to drum surfaces, edges and spraying bars
- Rotating and sliding seat out from Machine contour

## OPERATOR FRIENDLY

- Spacious, comfortable and quiet cab
- Multifunctional display in steering wheel
- Tiltable and adjustable steering column
- Control switches on armrest

## EFFORTLESS MAINTENANCE

- On-board diagnostics
- Easy access to all service points
- Single-drive pump for reduced maintenance

## PRODUCTIVE OPTIONS

- Optional ACE$^{force}$ system measures and evaluates material stiffness, guides operator and documents the compaction process
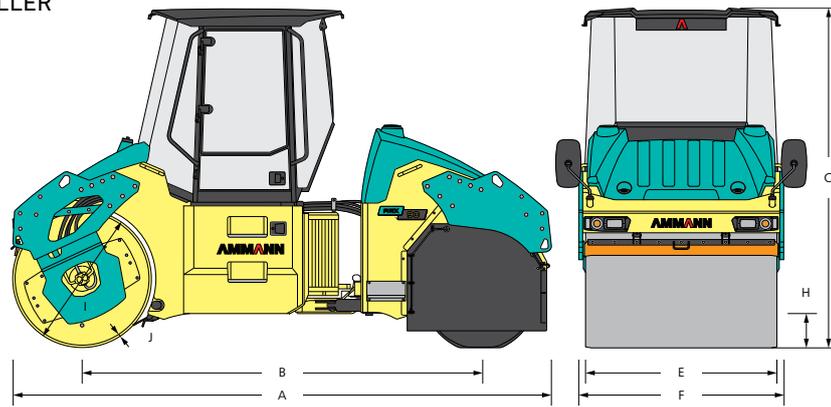- Chip spreader for project flexibility

### APPLICATIONS

- Small and medium jobsites
- Local transport construction (municipal and towm roads)
- Building construction (houses and industrial zones)

| MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS | | | | | | |
|---|---|---|---|---|---|---|
| | Sand / Gravel | Mixed Soils | Silt | Clay | Stabilisation | Asphalt |
| ARX 90C | 0.3 m (12 in) | 0.2 m (8 in) | – | – | 0.15 m (6 in) | 0.12 m (4.7 in) |

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## TECHNICAL SPECIFICATIONS
## ARX 90C ARTICULATED TANDEM ROLLER
## EU STAGE IV / US EPA TIER 4F

### DIMENSIONS

| | | |
|---|---|---:|
| A | MACHINE LENGTH | 4720 mm (185.8 in) |
| B | WHEELBASE | 3500 mm (137.8 in) |
| C | MACHINE HEIGHT | 3000 mm (118.2 in) |
| D | MACHINE HEIGHT (REMOVED CAB / ROPS) | – |
| E | DRUM WIDTH | 1680 mm (66.1 in) |
| E | PNEU WIDTH | – |
| F | MACHINE WIDTH | 1800 mm (70.9 in) |
| H | GROUND CLEARANCE | 300 mm (11.8 in) |
| I | DRUM DIAMETER | 1220 mm (48.0 in) |
| J | DRUM SHELL THICKNESS | 19 mm (0.7 in) |

### MISCELLANEOUS

| | |
|---|---:|
| BRAKES OPERATING | Hydrostatic |
| BRAKES PARKING | Mechanical multiple-disc |
| BRAKES EMERGENCY | Mechanical multiple-disc |
| FUEL TANK CAPACITY | 220 l (58.1 gal) |
| VOLTAGE | 24 V |

### WEIGHT & DRIVING CHARACTERISTIC

| | |
|---|---:|
| OPERATING WEIGHT | 9410 kg (20 750 lb) |
| MAXIMUM WEIGHT | 10 880 kg (23 990 lb) |
| STAT. LIN. LOAD OF FRONT DRUM | 28.4 kg/cm (159 lb/in) |
| STAT. LIN. LOAD OF REAR DRUM | – |
| MAX. TRANSPORT SPEED | 10.5 km/h (6.5 MPH) |
| MAX. WORKING SPEED | – |
| CLIMBING ABILITY | 30 % |
| TURNING RADIUS INNER (EDGE) | 5470 mm (215.4 in) |
| CRAB MODE | 170 mm (6.7 in) |

### COMPACTION FORCES

| | |
|---|---:|
| FREQUENCY I | 42 Hz (2520 VPM) |
| FREQUENCY II | 52 Hz (3210 VPM) |
| FREQUENCY ACE MIN. / MAX. | – |
| OSCILLATION FREQUENCY | – |
| AMPLITUDE I | 0.7 mm (0.028 in) |
| AMPLITUDE II | 0.34 mm (0.013 in) |
| AMPLITUDE ACE MIN. / MAX. | – |
| OSCILLATION AMPLITUDE | – |
| CENTRIFUGAL FORCE I | 84 kN |
| CENTRIFUGAL FORCE II | 68 kN |
| CENTRIF. FORCE ACE MIN. / MAX. | – |

### ENGINE

| | |
|---|---:|
| MANUFACTURER | Deutz TCD3.6 L4 |
| POWER ACCORDING TO ISO 14396 | 74.4 kW (100 HP) |
| MAXIMUM TORQUE | 410/1600 Nm (ft lb)/rpm |
| ENGINE COMPLIES WITH EMISSION REGULATIONS | EU Stage IV / US EPA Tier 4f |

### STANDARD EQUIPMENT

- CE conformity
- Open platform with ROPS canopy
- 170° rotating and sliding working station with multifunctional display
- Two stage vibration system (2 frequencies / 2 amplitudes)
- Working lights 2 front, 2 rear
- Electronic idle control
- Pneu-tire axle with emulsion sprinkling and thermal aprons

### OPTIONAL EQUIPMENT

- Ventilated and heated Cab
- Air Condition
- ACE$^{force}$ compaction measurement (absolute values) and ADS documentation system
- GPS mapping for ACE systems
- Telematics-ready
- Chip spreader Ammann
- Edge cutter

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