

# ARS 170

## SINGLE DRUM ROLLER

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

### APPLICATIONS

- Medium and large compaction sites
- Transport construction
- Municipal and town roads
- Rock fill dams
- Industrial zones
- City centers



### PRODUCTIVITY

#### No-rear-axle

Provides low centre of gravity and high versatility.

#### Compaction performance

Two-stage vibratory system, high compaction output.

### ERGONOMICS

#### Platform and cab

Spacious and quiet, with 360° visibility.

#### Operator station

High comfort and safety.

### SERVICEABILITY

#### Reduced downtime

Heavy-duty components and robust construction.

#### Reduced maintenance

Extended service intervals; easy-to-reach maintenance points.

### SUSTAINABILITY

#### ECODrop

Improved efficiency, reduced use of fluids.

#### Digitalization

Advanced monitoring and measuring systems

### OPTIONAL EQUIPMENT

- A/C
- A/C without cooling medium
- Additional documentation printed
- AmmannCare Diamond
- AmmannCare Platinum
- AmmannCare Gold
- AmmannCare Silver
- Ammann Documentation Syst. ADS
- Ammann Documentation Syst. ADS RTK
- Additional storage rack Cab version
- ATC - Ammann Traction Control
- Back-up alarm
- Back-up alarm adaptive
- Cab ROPS
- Certificate of origin
- Color scheme customer
- Compaction measuring system ACE<sup>force</sup>
- Container shipment preparation
- Dozer blade incl. transport lock
- Drive HX (ATC mandatory)
- Drum PD - including scrapers
- Engine air inlet pre-cleaner
- Fire extinguisher
- Fuel tank lock
- GPS Q-Compaction ACE
- GPS Q-Compaction preparation ACE
- Homologation Italy (plate only)
- Hydraulic oil biodegradable
- Measuring points central
- Padfoot Shell Kit - including scrapers
- Plate for Static Test
- Radio DAB
- Radio preparation
- Rear view camera
- Registration plate holder incl. light
- Road lights incl. turn signals
- Scrapers vulcan for smooth drum
- Seat belt 3"
- Maintenance Kit 2000h
- Maintenance Kit 500h
- Slow moving vehicle triangle
- Sun visor
- Tachograph complete
- Telematics Servicelink Plus
- Telematik Servicelink Pro
- Telematics preparation
- Tool box
- Toolset
- Tractor tyres
- Warning beacon LED
- Warning beacon LED green
- Greasing tool
- Weight increase kit additional

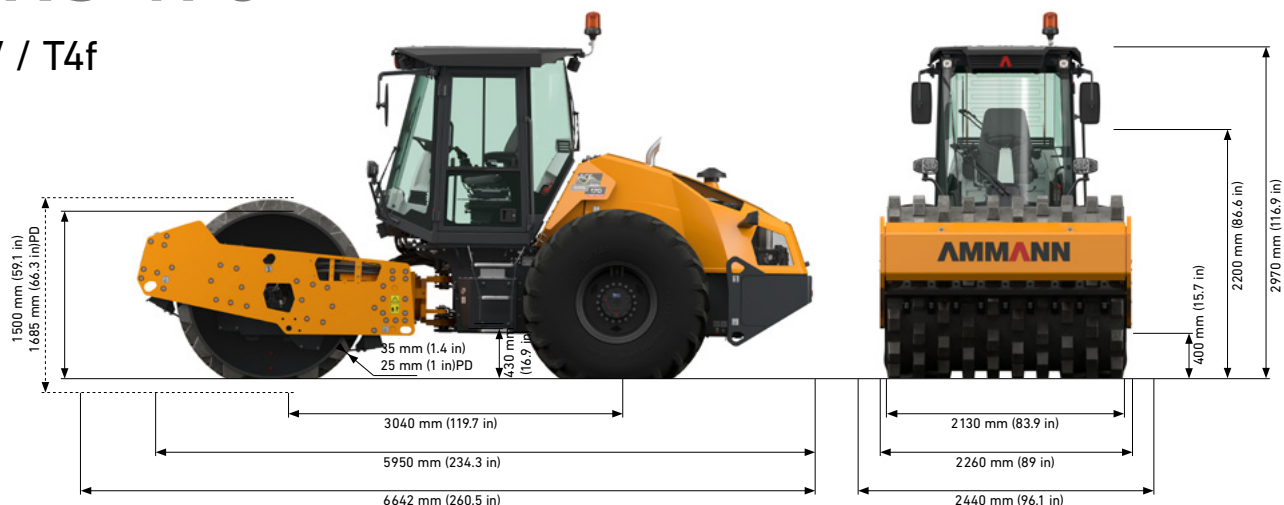
### STANDARD EQUIPMENT

- Open platform with ROPS
- Smooth drum
- Steel scrapers
- Diamond tread tyres
- ECODrop
- Inter wheel flow divider
- 2 amplitudes / Multiple frequencies
- Operator's station with one drive lever (RH)
- Rotatable and horizontally adjustable driver's seat with armrests
- Multi-functional display for machine control and overview
- Adjustable steering column
- Intelligent drive lever
- 12V outlet
- Battery disconnection switch
- Working lights (front / rear) - LED
- Standard hydraulic oil
- Testports on hydrocomponents
- Manual hood opening and Cab tilting
- Telematics Ready
- Ammann color design and decals
- Centralized draining points
- On-board diagnostics
- CE conformity
- Safety cover fan and alternator
- Tyre ballast -25°C

# AMMANN

# ARS 170

StV / T4f



## WEIGHT & OPERATING CHARACTERISTICS

|                                |                          | PD                    | HX                       | HXP                   |
|--------------------------------|--------------------------|-----------------------|--------------------------|-----------------------|
| OPERATING WEIGHT               | 16 440 kg (36 244 lb)    | 16 655 kg (36 718 lb) | 16 460 kg (36 288 lb)    | 16 675 kg (36 762 lb) |
| OPERATING WEIGHT MAX.          | 18 890 kg (41 645 lb)    | 17 590 kg (38 779 lb) | 18 910 kg (41 689 lb)    | 17 610 kg (38 823 lb) |
| STATIC LINEAR LOAD             | 49.6 kg/cm (277.7 lb/in) | –                     | 49.7 kg/cm (278.3 lb/in) | –                     |
| NUMBER OF PADS                 | –                        | 140 pcs               | –                        | 140 pcs               |
| PAD CONTACT SURFACE            | –                        | 120 cm² (18.6 sq in)  | –                        | 120 cm² (18.6 sq in)  |
| PAD HEIGHT                     | –                        | 100 mm (3.9 in)       | –                        | 100 mm (3.9 in)       |
| MAX. WORKING SPEED             | 6.3 km/h (3.9 MPH)       | 6.3 km/h (3.9 MPH)    | 4.8 km/h (3.0 MPH)       | 4.8 km/h (3.0 MPH)    |
| MAX. TRANSPORT SPEED           | 10 km/h (6.2 MPH)        | 10 km/h (6.2 MPH)     | 10 km/h (6.2 MPH)        | 10 km/h (6.2 MPH)     |
| GRADEABILITY WITHOUT VIBRATION | 48%                      | 44%                   | 65%                      | 58%                   |
| GRADEABILITY WITH VIBRATION    | 40%                      | 40%                   | 55%                      | 55%                   |
| TURNING RADIUS (INNER)         | 3 570 mm (140.6 in)      | 3 570 mm (140.6 in)   | 3 570 mm (140.6 in)      | 3 570 mm (140.6 in)   |

## COMPACTION FORCES

|                      |                                 | PD                              |
|----------------------|---------------------------------|---------------------------------|
| FREQUENCY I          | 25–28 Hz<br>(1500–1680 vpm)     | 25–28 Hz<br>(1500–1680 vpm)     |
| FREQUENCY II         | 25–35 Hz<br>(1500–2100 vpm)     | 25–35 Hz<br>(1500–2100 vpm)     |
| CENTRIFUGAL FORCE I  | 265–333 kN<br>(59574–74861 lbf) | 265–333 kN<br>(59574–74861 lbf) |
| CENTRIFUGAL FORCE II | 113–222 kN<br>(25403–49908 lbf) | 113–222 kN<br>(25403–49908 lbf) |
| AMPLITUDE I          | 2.28 mm (0.090 in)              | 2.06 mm (0.081 in)              |
| AMPLITUDE II         | 1.03 mm (0.041 in)              | 0.95 mm (0.037 in)              |

## MAXIMUM RECOMMENDED COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS

|               |                    | PD               |
|---------------|--------------------|------------------|
| ROCKFILL      | * 1 400 mm (55 in) | –                |
| SAND / GRAVEL | * 900 mm (35 in)   | –                |
| MIXED SOILS   | * 800 mm (31 in)   | * 800 mm (31 in) |
| SILT          | 600 mm (24 in)     | * 600 mm (24 in) |
| CLAY          | 320 mm (13 in)     | * 370 mm (15 in) |

\* Recommended drum type

## MISCELLANEOUS

|                        |                            |
|------------------------|----------------------------|
| BRAKES OPERATING       | Hydrostatic                |
| BRAKES PARKING         | Multiple-disc spring brake |
| BRAKES EMERGENCY       | Multiple-disc spring brake |
| FUEL TANK CAPACITY     | 345 l (91.1 gal)           |
| DEF TANK CAPACITY      | 22 l (5.8 gal)             |
| HYDRAULIC OIL CAPACITY | 76 l (20.1 gal)            |
| STEERING ANGLE         | ±36°                       |
| OSCILLATION ANGLE      | ±10°                       |
| BATTERY VOLTAGE        | 24V                        |
| BATTERY CAPACITY       | 2x90 Ah                    |

## ENGINE

|                              |                                    |
|------------------------------|------------------------------------|
| MANUFACTURER                 | Perkins                            |
| ENGINE TYPE                  | 904J                               |
| POWER ACCORDING TO ISO 14396 | 106 kW (142 HP)                    |
| ENGINE SPEED                 | 2200 rpm                           |
| EXHAUST GAS AFTER-TREATMENT  | EGR+DOC+DPF+SCR                    |
| EMISSION STAGE               | EU Stage V / U.S. EPA Tier 4 Final |

ARS 170 StV

For additional product information and services please visit: [www.ammann.com](http://www.ammann.com)

Materials and specification data are subject to change without notice.

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