



SOIL COMPACTOR LINE

Ammann ARS Soil Compactors have utilised the innovative no-rear-axle concept for years. It's a tried and tested design that maximises balance and visibility – and it's still essential to the latest line of soil compactors. A reconfigured machine frame makes the most recent ARS models even more compact and better climbers, too. Add in other new features, such as the ECOdrop system and its reduced fuel and fluids requirements, and your crew will be ready to roll.



ARS 70 | 70 (PD)

Operating weight: 6490 kg (14 310 lb) | 6910 kg (15 230 lb) Maximum weight: 8400 kg (18 520 lb) | 8820 kg (19 440 lb)

Drum width: 1680 mm (66.1 in)
Engine: Kubota V3307-CR-TE5 – 55.4 kW (75 HP)
EU Stage V/U.S. EPA Tier 4f

Frequency I: 25–34 Hz (1500–2040 VPN) | 25–33 Hz (1500–1980 VPN) Frequency II: 25–36 Hz (1500–2160 VPN) | 25–35 Hz (1500–2100 VPN)

> Amplitude I: 1.6 mm (0.063 in) | 1.65 mm (0.065 in) Amplitude II: 0.7 mm (0.028 in) | 0.71 mm (0.028 in)

Centrifugal force I: 71–131 kN (15 961–29 449 lbf) | 90–156 kN (20 232–35 070 lbf) Centrifugal force II: 31–64 kN (6969–14 388 lbf) | 38–80 kN (8542–17 984 lbf)



ARS 150 | 150 (PD)

Operating weight: 14 840 kg (32 720 lb) | 15 160 kg (33 420 lb) Maximum weight: 17 410 kg (38 380 lb) | 16 215 kg (35 750 lb)

Drum width: 2130 mm (83.9 in)
Engine: Deutz TCD4.1 L4-115 kW (154 HP)
EU Stage V/U.S. EPA Tier 4f

Frequency I: 25–29 Hz (1500–1740 VPN) Frequency II: 25–35 Hz (1500–2100 VPN) Amplitude I: 2.06 mm (0.081 in) | 1.93 mm (0.076 in) Amplitude II: 0.96 mm (0.038 in) | 0.88 mm (0.035 in) Centrifugal force I: 242–325 kN (54403–73063 lbf) Centrifugal force II: 110–215 kN (24728–48334 lbf)



ARS 170 | 170 (PD)

Operating weight: 16 340 kg (36 020 lb) | 16 555 kg (36 500 lb) Maximum weight: 18 910 kg (41 690 lb) | 17 610 kg (38 820 lb)

Drum width: 2130 mm (83.9 in)
Engine: Deutz TCD4.1 L4-115 kW (154 HP)
EU Stage V/U.S. EPA Tier 4f

Frequency I: 25–28 Hz (1500–1680 VPN) Frequency II: 25–35 Hz (1500–2100 VPN) Amplitude I: 2.22 mm (0.087 in) | 2.12 mm (0.083 in) Amplitude II: 0.95 mm (0.037 in) | 0.91 mm (0.036 in) Centrifugal force I: 265–333 kN (59 574–74 861 lbf) Centrifugal force II: 113–222 kN (25 403–49 908 lbf)



ARS 110 | 110 (PD)

Operating weight: 10 860 kg (23 940 lb) | 11 485 kg (25 320 lb) Maximum weight: 14 630 kg (32 250 lb) | 13 740 kg (30 290 lb)

Maximum weight*: 13 430 kg (29 610 lb) | 12 540 kg (27 650 lb)

Drum width: 2130 mm (83.9 in)
Engine: Deutz TCD3.6 L4 – 100 kW (134 HP)
EU Stage V/U.S. EPA Tier 4f
*EU Stage IV/U.S. EPA Tier 4f

Frequency I: 25–31 Hz (1500–1860 VPN)
Frequency II: 25–35 Hz (1500–2100 VPN)
Amplitude I: 1.95 mm (0.077 in) | 1.7 mm (0.067 in)
Amplitude II: 0.83 mm (0.033 in) | 0.72 mm (0.028 in)
Centrifugal force I: 186–285 kN (41 814–64 071 lbf)
Centrifugal force II: 79–155 kN (17 759–34 845 lbf)



ARS 130 | 130 (PD)

Operating weight: 12 580 kg (27 730 lb) | 13 205 kg (29 110 lb) Maximum weight: 15 150 kg (33 400 lb) | 14 260 kg (31 440 lb)

Drum width: 2130 mm (83.9 in)
Engine: Deutz TCD3.6 L4 – 100 kW (134 HP)
EU Stage V/U.S. EPA Tier 4f
EU Stage IV/U.S. EPA Tier 4f

Frequency I: 25–31 Hz (1500–1860 VPN) Frequency II: 25–35 Hz (1500–2100 VPN) Amplitude I: 1.95 mm (0.077 in) | 1.7 mm (0.067 in) Amplitude II: 0.83 mm (0.033 in) | 0.72 mm (0.028 in) Centrifugal force I: 186–285 kN (41 814–64 071 lbf) Centrifugal force II: 79–155 kN (17 759–34 845 lbf)



ARS 200 | 200 (PD)

Operating weight: 19 750 kg (43 540 lb) | 19 875 kg (43 820 lb) Maximum weight: 23 170 kg (51 080 lb) | 20 980 kg (46 250 lb)

Drum width: 2130 mm (83.9 in)
Engine: Deutz TCD6.1 L6 – 160 kW (215 HP)
EU Stage V/U.S. EPA Tier 4f

Frequency I: 23–27 Hz (1380–1620 VPN) Frequency II: 30–34 Hz (1800–2040 VPN) Amplitude I: 2 mm (0.079 in)

Amplitude II: 1 mm (0.039 in)
Centrifugal force I: 275–375 kN (61 822–84 303 lbf)
Centrifugal force II: 233–300 kN (58 380–67 443 lbf)



ARS 220 | 220 (PD)

Operating weight: 21 930 kg (48 350 lb) | 22 060 kg (48 630 lb) Maximum weight: 25 360 kg (55 910 lb) | 23 170 kg (51 080 lb)

Drum width: 2130 mm (83.9 in)
Engine: Deutz TCD6.1 L6 – 160 kW (215 HP)
EU Stage V/U.S. EPA Tier 4f

Frequency II: 23–27 Hz (1380–1620 VPN) Frequency II: 30–34 Hz (1800–2040 VPN)

Amplitude I: 2 mm (0.079 in)
Amplitude II: 1 mm (0.039 in)

Centrifugal force I: 275–375 kN (61 822–84 303 lbf) Centrifugal force II: 233–300 kN (58 380–67 443 lbf)





APPLICATIONS

ARS 70

- Pipeline construction
- Electric cable construction
- Social and industrial development areas
- Housing developments
- Backfill work
- Confined work spaces

ARS 110-170

- Medium and large compaction sites
- Transport construction
- Municipal and town roads
- Airport runways
- · Rock fill dams
- Industrial zones
- Harbours
- City centers
- Dumpsite construction

ARS 200-220

- Airports runways
- Industrial zones
- Dumpsite construction

PRODUCTIVITY

High compaction output

Fast, precise compaction in the fewest possible passes.

No-rear-axle concept

Utilises unique machine design with low centre of gravity for improved stability, manoeuvrability and optimal jobsite safety.

Multiple vibration frequencies

Varied vibratory settings to optimise quality and enable even more precise compaction on varied layers.

ERGONOMICS

Cab design

Spacious cab with low noise levels, integrated ROPS structure and 360° visibility from the operator station to machine edges and surroundings.

Multifunctional display

Innovative machine display in front of the operator for quick and easy machine control and overview.

Advanced travel joystick

Ergonomic travel joystick with centralised speed adjustment located directly on the travel lever for one-touch movement.

SERVICEABILITY

Tool-free daily inspection

Quick and easy daily assessments.

Service point locations

Service and regular maintenance points are quickly and easily accessible from the ground.

ECOdrop

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

A POWERFUL PACKAGE

Ammann's no-rear-axle concept maximises visibility and helps operators keep a close eye on the jobsite.

A new cab is quiet and comfortable, while the drive system ensures the roller works at the most efficient pace.





DESIGN TO MANOEUVRE

THE START OF THE SOIL COMPACTORS' SUCCESS

Your compaction success starts with the machine's design, in particular the full-glass windscreen that provides unobstructed views to keep your operator fresh, safe and productive. Versatility is essential, too, and it's delivered through a new vibratory system that enables quick adjustment to jobsite conditions. A wide range of options lets you customise the compactors to your specific needs. It's no wonder the ARS series is a favorite with contractors worldwide.

High compaction output

The two-stage vibratory system supplies industry-leading compaction output that makes the machine an invaluable tool on the jobsite. The high compaction output ensures effective results on varied jobsites and helps the crew reach density targets in fewer passes. Eliminating unnecessary passes is essential to jobsite profitability.

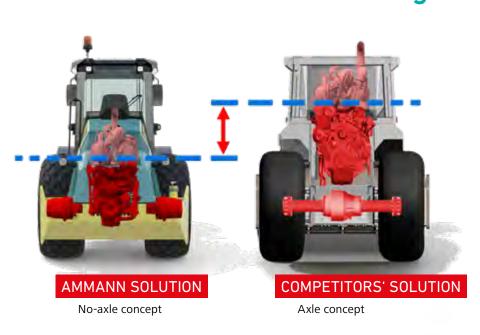
No-rear-axle concept

This unique design separates Ammann ARS Soil Compactors from the competition. Elimination of the rear axle makes the machine more compact and greatly improves visibility. The engine is located closer to the ground, which optimises the roller's centre of gravity and provides better stability. This means your crew will be safer and more productive.

Multiple vibration frequencies

The proprietary vibratory system enables variable adjustment of frequency ranges, which has a significant impact on compaction output. This advanced technological solution offers precision in all applications, ensuring effectiveness and preventing damage to more sensitive materials. The adjustment capabilities make the machine perfectly suited to a wide range of materials and layers.

"Low centre of gravity = outstanding stability."



GRAVEL MIXTURES

SUB-BASE COURSE

SUB-GRADE

"Varied weights and sizes ensure there is a proper match for every contractor's needs."

APPLICATION

• Varied weights and sizes as well as a combination of drum choices provide the versatility needed when going from one application to the next. Padfoot shell kits are available to convert smooth drums as needed. It's like having two



OPTIMAL COMFORT

COMBINING INTELLIGENCE AND VISIBILITY

These compactors utilise intelligent, easy-to-reach controls that make operation effortless – and the machines productive and efficient. The cab goes beyond visibility.

Cab design

The premium cab is extremely quiet with greater accessibility, thanks to wide steps and a fully opening door. The design, which has eliminated the need for A pillars, significantly improves operator visibility to machine edges and surroundings. An integrated ROPS structure provides protection. These key features enhance operator comfort and safety.

Multifunctional display

The cab offers substantial advances in machine control. Operators monitor only the central machine display, which is integrated into the steering wheel. This enables a quick overview of key functions – including operational parameters, fluid levels, temperatures and oil pressure. The machine control concept is identical on all new soil compactors, helping operators switch seamlessly between models.



INTELLIGENT CONTROL FUNCTIONS

Advanced machine functions for comfortable and intuitive machine control:

• Immobiliser

Anti-theft protection prevents the machine from starting until the correct access code has been entered.

Loading mode

The system automatically blocks activation of functions that could accidentally be engaged during loading and transport.

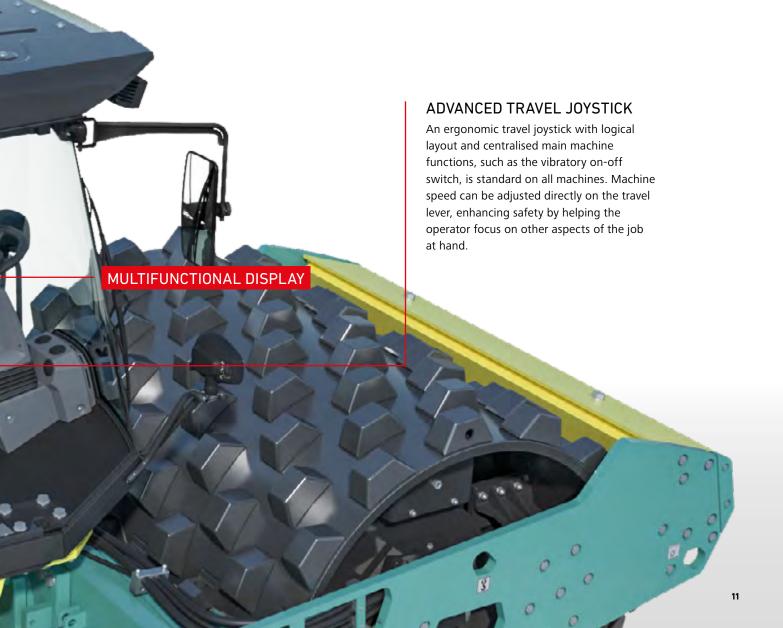
• Engine setting

Engine performance and fuel consumption are optimised through this automatic setting of rpm.

• Vibratory frequency setting

The multifunctional display makes adjustments effortless.





THE RIGHT PLACE AT THE RIGHT TIME

COMPACTORS OFFER EASY ACCESS TO ALL SERVICE POINTS

Productivity comes in many ways. Ammann compactors have features that make it easy for your crew to complete maintenance quickly and get back to work on the jobsite.

Service point locations

Maintenance on the rollers is straighforward. The wide-opening hood and tiltable cab provide exceptional access to all service points and major components – including hydraulics, the cooling system and the engine. Filling and draining ports are centralised for quick fluid exchanges. These technical improvements make the ARS line extremely serviceable.

Heavy-duty vibratory bearings

The vibratory system is equipped with four heavy-duty bearings that utilise a highly effective lubrication system integrated into the drum. This helps extend life and reduces the time and cost of repairs.

Tool-free daily inspection

A wide-opening hood brings exceptional access to the engine compartment, making it easy to monitor inspection points and fluid levels. No tools are required to access service points.



ECOdrop

MAKE EVERY DROP COUNT

Ammann's proprietary ECOdrop system lowers the cost of ownership through a reduction in the amount of fluids required, longer-lasting wear parts, extended service intervals and optimal access to all maintenance points. These efficiencies reduce costs and make the machines more environmentally friendly.

KEY FEATURES

- Highly efficient engines
- Intelligent machine operation
- Engine load based on actual working conditions
- Environmental friendly machine
- Great accessibility to daily and periodical maintenance points
- Low consumption of wearing parts and liquids
- Reduced downtime





ARS 70

WHEN MANOEUVRABILITY MATTERS

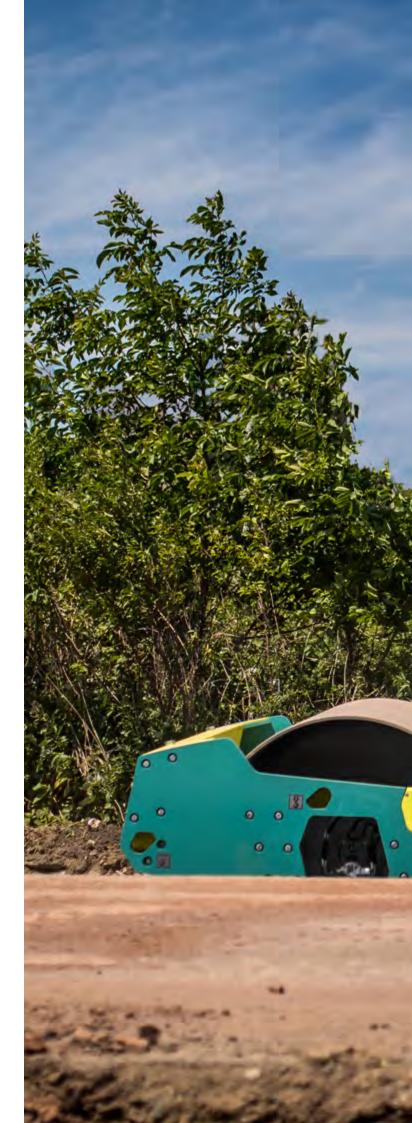
This is a great tool for contractors who need a small, powerful machine with high compaction output.

A maintenance-free, three-point articulation joint maximises manoeuvrability and stability. The reinforced hydraulic system increases traction control for productivity on steep grades and slopes. The optional HX drive version system is available when even more traction is needed. The compactor is a great match for rental businesses, where high productivity is a priority – as are low maintenance and ownership costs.



HIGHLIGHTS

- Wide range of compaction output
- Variable range of frequencies
- No-rear-axle concept
- Powerfull & low emission engine
- Excellent visibility & operator comfort
- Improved machine traction and higher climbing angles
- Toolless daily maintenance
- Maintenance free articulation joint
- Optional compaction measuring system





ARS 110-170

MACHINE CUSTOMIZATION

Because of their ability to perform in a wide range of applications, ARS Soil Compactors offer the ultimate in versatility.

The vibratory system is central to this versatility. It provides high compaction output with a variable range of frequencies to precisely match the application and ensure compaction is completed in the fewest passes possible.

The engines are highly efficient, meet the latest emissions standards and optimise fuel consumption, ultimately delivering a low cost of ownership.

A broad range of customisation options makes your compactor the right match for any jobsite or task. We can equip your roller to boost productivity, gradeability, operator comfort and safety. You can reduce costs and machine downtime to increase profitablility.

HIGHLY FLEXIBLE

These powerful, heavier machines are ideal on more challenging jobsites that feature difficult-to-compact materials. The rollers' weight, power and overall capabilities enable compaction of cohesive and semi-cohesive materials. The compactors can be equipped with a smooth drum, a padfoot drum or a padfoot shell kit.

The premium cab is extremely quiet and features an integrated ROPS frame. The operator seat provides exceptional views to enhance safety. The integrated multifunctional display in the steering wheel offers the operator a quick and easy overview of important information – including operation and performance parameters, fluid levels, temperatures and oil pressure. The machine control concept is identical throughout the ARS generation and helps operators to switch seamlessly between models.

"Let Ammann build the perfect roller for you!."

STANDARD DRIVE

 For machines with smooth drums and diamond tyres



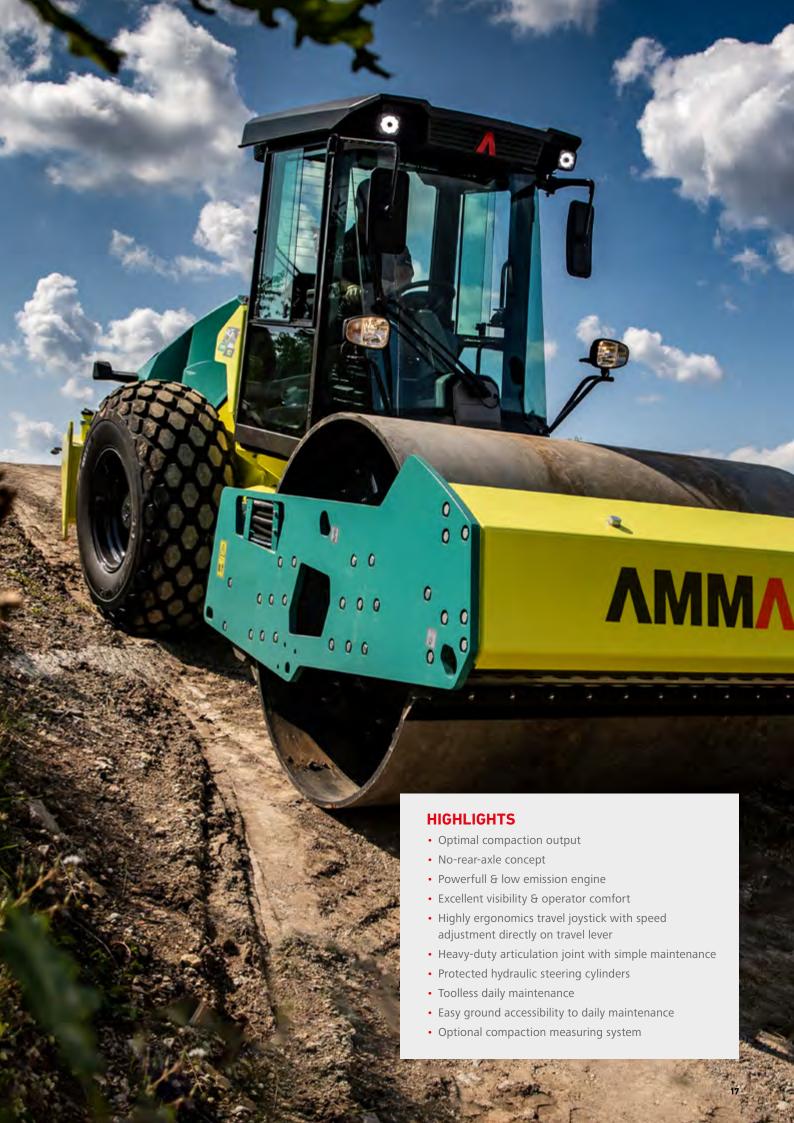
HX DRIVE (HX)

- Reinforced drive propulsion system
- · Extreme conditions





GRADEABILITY UP TO 67 %



ARS 200-220

THE ULTIMATE TOOL

These rollers bring industry-leading compaction output to the most challenging jobsites. That includes work on rockfill and other hard and demanding materials.

Success in such applications starts with powerful compaction output, and these machines provide it – with an ability to work on materials as thick as 1700 mm (66.9 in).

A fully opening, large hood and tiltable cab make daily and scheduled maintenance easy. That includes monitoring and replacement of operating fluids and the cooling system. All main draining points are centralised and accessible from the ground.





SMOOTH DRUM

Non-cohesive materials



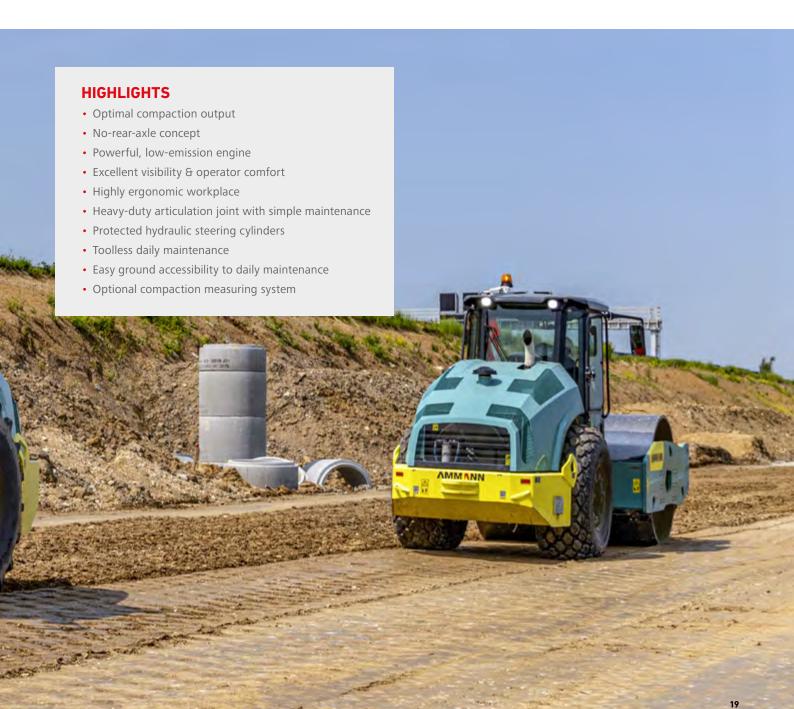
PD SHELL KIT

2-in-1 concept Wide range of applications



PD DRUM

Cohesive materials
Tamping effect



PLAY YOUR ACE CARD

NEW GENERATION OF ACEforce

An updated, innovative Intelligent Compaction measuring system is available for the ARS line. The newest generation of ACE^{force} is integrated into the central multifunctional display. A single display controls all machine functions and monitors key information during operation. This ACE^{force} system is extremely easy and intuitive to operate, with all information in a simple format on the central display.

The new ACE^{force} system provides advanced functions for even easier and safer machine operation. It also provides compaction guidance, which is easily readable on the graphic bar on the multifunctional display for optimal production.

The innovative ACE^{force} system recognises if the machine is in the double jump effect. The system immediately informs the operator of corrective measures to prevent machine damage. These recommendations are made via messages that appear on an easy-to-read display. An audible warning also alerts the operator to the trouble.

ACE^{force} can be equipped with a GPS system to monitor the machine's location.



OPTIONAL ACEforce

- Intuitive control so operators of all experience levels can be successful
- · A main multi-functional display with all information visible
- Simple adjustment of compaction targets and stiffness settings
- Communication of optimal machine speed to operators for higher compaction effectiveness
- · Visual & audible double-jump warning
- Easy-to-read bar graph for visualisation of actual soil stiffness (kB)
- Optional GPS Systems with 24/7 remote view

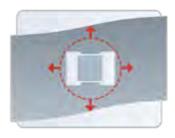




GPS-BASED COMPACTION

ACEforce+









- Combines ACE measurement and control with navigation system data
- Provides an efficient analysis and documentation system for Continuous Compaction Control (CCC)
- Operated and controlled with touch screen
- Satellite navigation system accurately assigns the measured compaction values to the position coordinates and the time
- Graphic display of measurement data relays the onsite compaction work and enables a fast and reliable performance analysis

- Integrates quality control measures in the work process
- Other compaction parameters can be measured and documented including kB value stiffness (ground bearing capacity), trend of kB values, temperature, vibration status, roller speed, effective amplitude and frequency, pass count, exact geographical position, date and time of passes
- Machine-to-machine communication



OPTIONS

THE NEXT STEP

	ARS 70	ARS 110-170	ARS 200-220
AIR CONDITIONING - with medium (cab version only)	✓	✓	✓
AIR CONDITIONING - without medium (cab version only)	✓	✓	✓
OPERATOR STATION - cab ROPS	✓	✓	Standard
ROAD LIGHTING INCL. TURN SIGNALS	✓	✓	✓
FOPS - standard	√	✓	Standard
CUSTOMER COLOR DESIGN RAL	✓	✓	✓
DRUM - PD version	√	✓	✓
DRUM - PD shell kit	✓	✓	✓
PD DRUM - steel scrapers	√	✓	√
PD SHELL KIT - steel srapers	√	✓	✓
SMOOTH DRUM - vulcalon srapers	√	✓	✓
TRACTOR TYRES	√	✓	✓
LOADER TYRES	N/A	N/A	✓
HX DRIVE	√	✓	✓
ATC - AMMANN TRACTION CONTROL	N/A	✓	Standard
TYRE BALLAST - anti freezing -25°C	✓	✓	Standard
BIODEGRADEABLE HYDRAULIC OIL	√	✓	√
MEASURING POINTS - testport panel	✓	✓	✓
ACE ^{force} - Ammann Compaction Expert	√	✓	✓
TACHOGRAPH - preparation	√	✓	✓
TACHOGRAPH - complete	✓	✓	✓
SUN PROTECTIVE FOILS ON CAB GLASSES	✓	✓	✓
REGISTRATION PLATE HOLDER	√	✓	√
WARNING BEACON - standard	√	✓	✓
WARNING BEACON - LED	✓	✓	N/A
SLOW MOVING VEHICLE TRIANGLE	√	✓	✓
BACK-UP ALARM - standard	√	✓	√
SEAT BELT 3''	√	✓	✓
SERVICE KIT FOR 500 HOURS	√	✓	√
SERVICE KIT FOR 2000 HOURS	√	✓	✓
TOOL KIT	√	✓	✓
ENGINE AIR INLET - pre-cleaner	Standard	✓	✓
ITALOKIT	✓	✓	✓
RADIO - preperation	✓	✓	✓
RADIO - complete set	✓	✓	✓
FIRE EXTINGUISHER	✓	✓	✓
TELEMATICS SYSTEM - preparation	✓	✓	✓
TELEMATICS SYSTEM - factory installed Servicelink	✓	✓	✓
ACE ^{force+} - GPS Q-Compaction	√	✓	√
CERTIFICATE OF ORIGIN	✓	✓	✓
SET OF DOCUMENTATION - printed hardcopy	✓	✓	✓
CAB OPTION - sun visors	✓	✓	Standard
OVERSEAS SHIPPING PREPARATION - incl. machine preservation, container packing	✓	✓	✓

√ = Option N/A = Not Available

SERVICE

A NETWORK TO SUPPORT YOU

No matter where you are, Ammann-trained technicians and parts are nearby. Ammann dealers provide well-trained service technicians who can help you, whether it's an emergency or time for preventive maintenance. The vast Ammann network ensures there is a nearby technician who understands your language and your technical needs. Parts availability and ease of ordering are always Ammann priorities.

HOTLINE SUPPORT

Ammann experts are ready to answer your technical questions 24 hours a day, seven days a week. The hotline team is highly trained and experienced. Representatives can talk you through the challenges – in various languages – to help keep your machine productive.

SERVICE APP

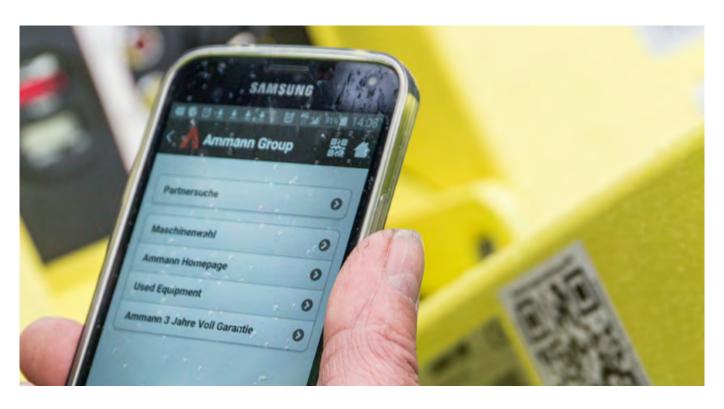
The service app for Ammann machines impresses machine operators who are already benefiting from the advantages of the free application. The easy-to-use app provides machine operators working on site quick and uncomplicated access to machine documentation.

SERVICE VIDEOS

Sometimes a video tells the story best. That's why you'll find a variety of service videos that walk you through service and maintenance processes.

QR CODE

Many maintenance kits feature QR codes that link to videos with helpful demonstrations that walk you or your technician through the process. The videos tell the story without dialogue so customers anywhere in the world can understand.





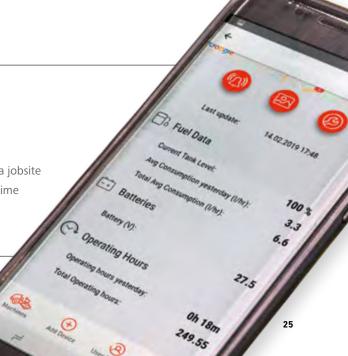
Manage your equipment – anytime, anywhere – with Ammann ServiceLink. This comprehensive fleet system provides key data for light compaction equipment, heavy compaction machines and asphalt pavers. You can choose which machines to track.



- Ammann ServiceLink utilises telematics that give you
 the locations of the machines, hours of usage and other
 essential information. You'll have access to data that
 will keep your machines running and make them more
 productive, too.
- Ammann ServiceLink makes it easy to plan and schedule the maintenance that protects your fleet.

HIGHLIGHTS

- Easy to manage
- · Light equipment does not require a machine battery
- Great for rental fleets
- GPS tracking for location, efficiency and productivity information for a jobsite
- Full machine telematics to assess machine usage, fuel burn and idle time
- Machine documentation to help analyse and improve processes
- Easy management of service intervals and maintenance planning



TRAINING

ENHANCE YOUR PERFORMANCE

If Ammann machine training was summarised in a single word, it might well be "comprehensive." The training includes multiple expertise levels and modules to benefit all skill levels.

TRAINING WORLDWIDE

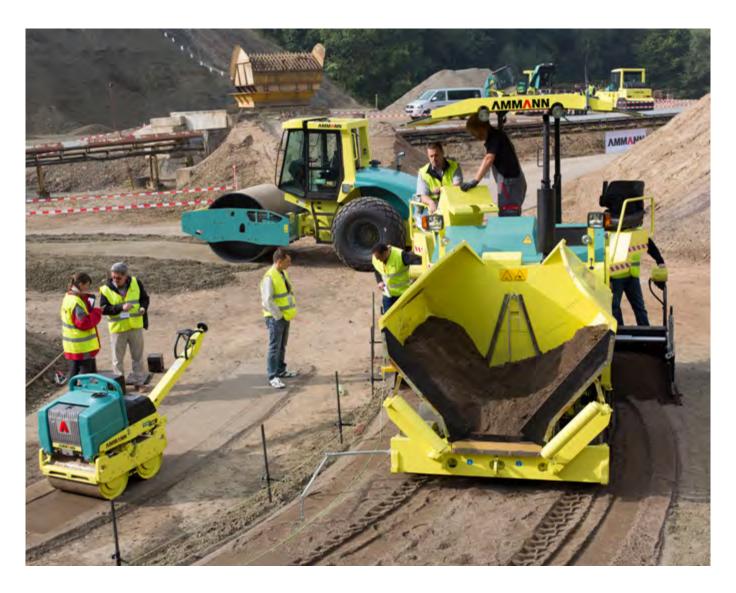
Ammann product and application experts are ready to provide the training you need, no matter where you are. The global nature of Ammann ensures an expert is always near you – ready to offer instruction that ranges from the basics to the specifics relevant to your geographic area. The training can take place at an Ammann facility, your business – or even on a jobsite.

KEY TEACHING THEMES CONNECT ALL EFFORTS, NO MATTER WHERE THEY OCCUR

A good balance. Training often combines a traditional classroom setting with hands-on machine experience. Ammann application experts also can offer instruction on your jobsite.

Training typically includes students from other industry businesses. Participants say conversations with their peers – and learning how they overcome challenges – are other key benefits.

Learn in your language. Lessons are taught in many languages, ensuring your team understands key terms and lessons and makes the most of your training investment.



SPARE PARTS

You can only earn money when your equipment is working. That's why Ammann does everything possible to ensure you have the parts where and when you need them. Those efforts include easy online ordering to avoid confusion and enable tracking, and efficient logistics and availability to help parts reach you quickly.

WEARING KITS

Some machines handle abrasive materials in demanding applications. While wear is inevitable, downtime can be limited. Wearing kits make replacement of these parts efficient and cost-effective. All the necessary parts – big and small – are in a single box to keep you organised and efficient and to ensure the machines are quickly back up and running.

EMERGENCY KITS

Emergency kits prevent little frustrations from becoming bigger issues that can shut down a machine and even a jobsite. These kits include parts such as switches, fuses and valve coils that are simple and fast to change yet still can cause significant problems if not operating properly. The kits easily fit in the trunk or bed of a vehicle so they're on hand when needed. A crew-member with a bit of technical knowledge can handle this work on the jobsite. These repairs take 2 hours or less.



MAINTENANCE KITS

Preventive maintenance is crucial to efficient operation and service life of machines. The easier the maintenance, the more likely it is to be completed. Maintenance kits make the upkeep simple. Parts associated with a particular maintenance process are in a single box with a single part number.

BROCHURE WITH ALL KITS

We have a prospect with all kits, and their part numbers are available for you. Just contact your parts consultant and have a digital or hardcopy sent to you.



For additional product information and services please visit: www.ammann.com

