

MACHINES

APA SERIES

APA ADD-ON COMPACTORS



AMMANN

THE RIGHT FIT ON YOUR JOBSITE

AMMANN APA ADD-ON COMPACTORS

Working on a particularly challenging compaction jobsite? It might be time for an Ammann Add-On Compactor. The add-ons fit on excavators, which use their reach to compact in hard-to-access places such as deep, narrow trenches and particularly steep grades. They also can provide more power than most other compaction machines for such applications.



APA 20/30

Working width: 30 cm
Frequency: 60 Hz
Centrifugal force: 20 kN



APA 55/46

Working width: 46 cm
Frequency: 45 Hz
Centrifugal force: 55 kN



APA 20/40

Working width: 40 cm
Frequency: 60 Hz
Centrifugal force: 20 kN



APA 55/56

Working width: 56 cm
Frequency: 45 Hz
Centrifugal force: 55 kN



APA 55/64

Working width: 64 cm
Frequency: 60 Hz
Centrifugal force: 55 kN



APA 72/74

Working width: 74 cm
Frequency: 36 Hz
Centrifugal force: 72 kN



APA 75/74

Working width: 74 cm
Frequency: 36 Hz
Centrifugal force: 84 kN



APA 75/74 2M

Working width: 74 cm
Frequency: 36 / 55 Hz
Centrifugal force: 75 / 40 kN



APA 100/88

Working width: 88 cm
Frequency: 36 Hz
Centrifugal force: 110 kN



APA 100/88 2M

Working width: 88 cm
Frequency: 36 / 55 Hz
Centrifugal force: 100 / 55 kN

YOUR BENEFITS AT A GLANCE

WHAT SETS AMMANN ADD-ON COMPACTORS APART?

WORKING WHERE OTHERS CAN'T

With your Ammann APA Add-On Compactor you enable your crew to work in areas where other compaction machines find their limits. No matter how steep the grade or narrow the trench, with an Add-On Compactor you reach and compact these areas from a safe distance within your excavator.

There is no risk and no emissions for your operator.

NO MAINTENANCE WORRIES

The Add-On Compactors are hydraulic and require no own power source. There is no maintenance worry, thus the APA is maintenance free.

THE RIGHT FIT

Ammann Add-On Compactors are compatible with all standard adapters on the market. The Ammann quick coupling system allows the add-on to be connected and ready for action within seconds.

ROBUST MACHINE DESIGN

The compactor housing protects the central exciter unit. Bushings shield the housing from the vibrations and prevent metal-on-metal contact under extremely high pressure.

SAFETY

From the comfort and safety of the excavator cab, the operator can turn the Add-On Compactor at angles that would be impossible with other compaction devices.



TECHNICAL SOLUTIONS FOR YOUR JOBSITE

CUSTOMISED FOR YOUR NEEDS

Quality and productivity need to be built into every machine. Ammann machines have both, and they also are easy to operate.



PILE DRIVER

The pile driver is simple to use. Just drive the add on compactor with the pile drive mounted on the pile and drive the pile into the ground.

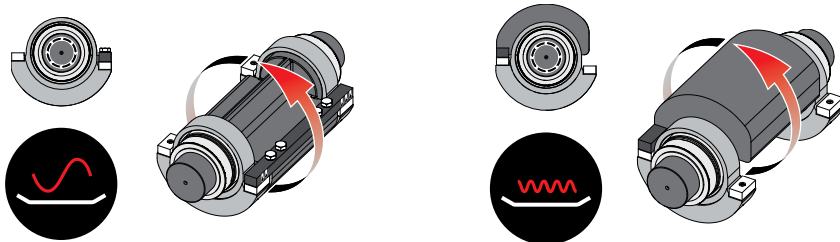


QUICK COUPLING

The Add-On Compactors are delivered as standard with a universal adapter plate with Krupp drill pattern and a hydraulic connection terminal. The connection to all common fully automatic, semi automatic or mechanical coupling systems is possible by screwing on a corresponding change adapter.

VERSION WITH TWO ADJUSTABLE MODES (2M) ON APA 75/74 AND APA 100/88

The models APA 75/74 and APA 100/88 are available in a 2M version that allows the operator to change the used frequency and centrifugal force when working in sensitive areas.



SETTING LEVERS FOR TWO MODES

The direction of rotation changes the centrifugal force by a setting lever on the valve block of the Add-On Compactor. The valve block controls the hydrostatic pressures according to the position of the setting lever. In the horizontal position of the setting lever, the big amplitude and low frequency is used which leads to a high centrifugal force. In the vertical position, the small amplitude in conjunction with the high frequency is used which leads to a smaller centrifugal force.

TWO MODES DUE TO THE CHANGEABLE EXCITER SYSTEM

The exciter shaft of the compactor consists of a shaft with two firmly connected exciter weights and one by 180° rotatable exciter weight. Depending on the direction of rotation, the rotatable exciter weight is in line with the rigidly mounted exciter weight of the shaft and combines all centrifugal forces, or the rotatable weight counterbalances the fixed weights resulting in a highly reduced centrifugal force. In addition, also depending on the hydraulic flow direction activated by the excavator operator, the hydraulic system allows a high or low flow rate and subsequently changing the frequency of the excitation system.

Altogether, the system is easy to use and the operator can choose for the high power mode e.g. in suburban areas or for the safer mode with a lower amplitude and a higher frequency e.g. in urban areas.

APA 20/30

APA 20/40

IDEAL FOR GARDENING OR OTHER SMALL APPLICATIONS

The APA 20/30 and APA 20/40 are the smallest Ammann Add-On Compactors and work with mini excavators in the range of 2 tonnes to 5 tonnes, often in gardening and landscaping applications.

The APA 20/30 can be mounted in a few minutes and does not require fully hydraulic quick coupling devices. Only two hydraulic hoses are needed.

The APA 20/30 is equipped with a two-shaft directional exciter featuring a relatively high frequency and low amplitude, which helps protect both the excavator and surrounding buildings.

MACHINE HIGHLIGHTS

- Patented vibration limitation system protects the excavator frame and operator
- 2-shaft directional exciter
- Self-blocking mechanical rotating device
- Rubber bushings prevent metal-on-metal contact under extremely high pressures
- Runs on hydraulics, reducing emissions and fuel consumption
- Maintenance-free exciter unit
- No separate leakage oil pipe



APA 55/46

APA 55/56

APA 55/64

PRODUCTIVITY AT A COMPACT SIZE

The range of medium-sized APA Add-On Compactors features the three models APA 55/46, APA 55/56 and APH 55/64. This Add-On Compactor is the best fit for medium-sized excavators with more than 5 tonnes of operating weight.

The compactor can be mounted in a few minutes and does not require hydraulic quick coupling devices. Only two hydraulic hoses are needed.

The plates are equipped with a two-shaft directional exciter featuring a relatively high frequency and low amplitude, which helps protect both the excavator and surrounding buildings.

SPECIALISED FOR URBAN USAGE

With its larger working width of 640 mm, the APA 55/64 is the perfect fit for urban jobsites for applications in more sensitive surroundings.

MACHINE HIGHLIGHTS

- Patented vibration limitation system protects the excavator frame and operator
- 2-shaft directional exciter
- Self-blocking mechanical rotating device
- Rubber bushings prevent metal-on-metal contact under extremely high pressures
- Runs on hydraulics, reducing emissions and fuel consumption
- Maintenance-free exciter unit
- No separate leakage oil pipe



APA 72/74

APA 75/74

APA 100/88

WHEN COMPACTION POWER IS WHAT REALLY MATTERS

The large class of Add-On Compactors from Ammann is built for the 10-tonne to 40-tonne excavator class and for applications where a strong compaction performance is required.

The plates deliver excellent compaction power that delivers impressive compaction results. Depths of up to 1 m, depending on the size of the excavator, can be reached in one go. This helps to significantly save time and resources compared to traditional compaction with vibratory plates.

The plates stick up by their high versatility in use and their robust design that makes them reliable and ready to go at any time.

MACHINE HIGHLIGHTS

- Patented vibration limitation system protects the excavator frame and operator
- Self-blocking mechanical rotating device
- Rubber bushings prevent metal-on-metal contact under extremely high pressures
- Runs on hydraulics, reducing emissions and fuel consumption
- Maintenance-free exciter unit
- Available without rotary device for excavators that are already equipped with a tilt rotator
- Possibility to directly mount a quick coupling system on the rotator



APA 75/74 2M

APA 100/88 2M

HIGHLY EFFICIENT WITH TWO WORKING MODES

The APA 75/74 2M and APA 100/88 2M are productive tools that offer the operator the opportunity to change between two different working modes.

High amplitude allows the machine to work with the greatest compaction force and most efficiency on substructure work.

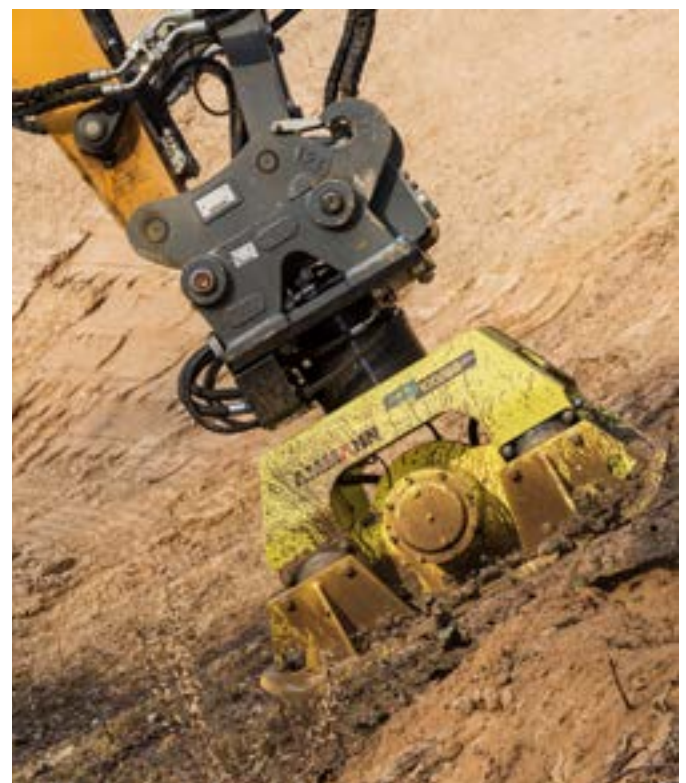
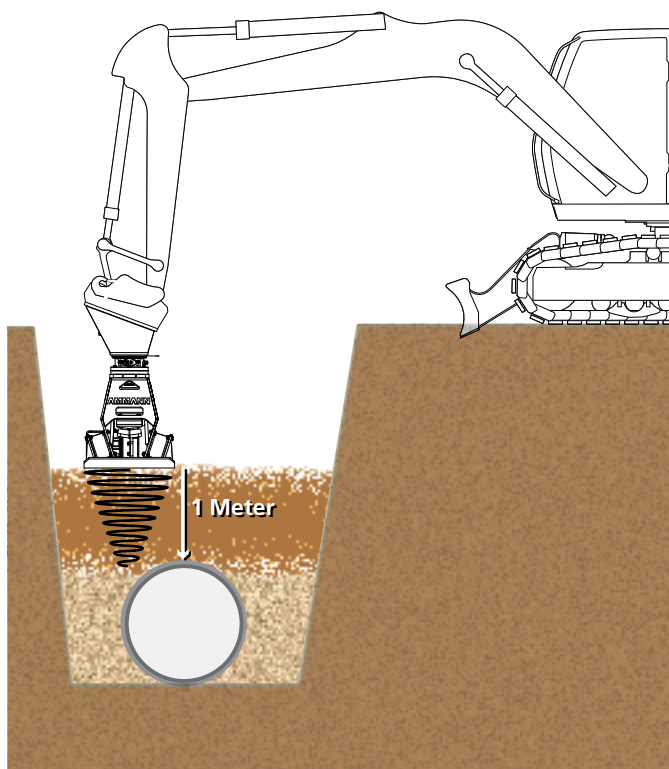
Lower compaction force can be used when working in sensitive areas, such as over pipes or where a high vibration force could damage surrounding buildings.

This feature makes the two large Add-On Compactor even more versatile and allows a secure use of the machine even when working in urban jobsites. Or when compacting material covering tubes or other underground installation.

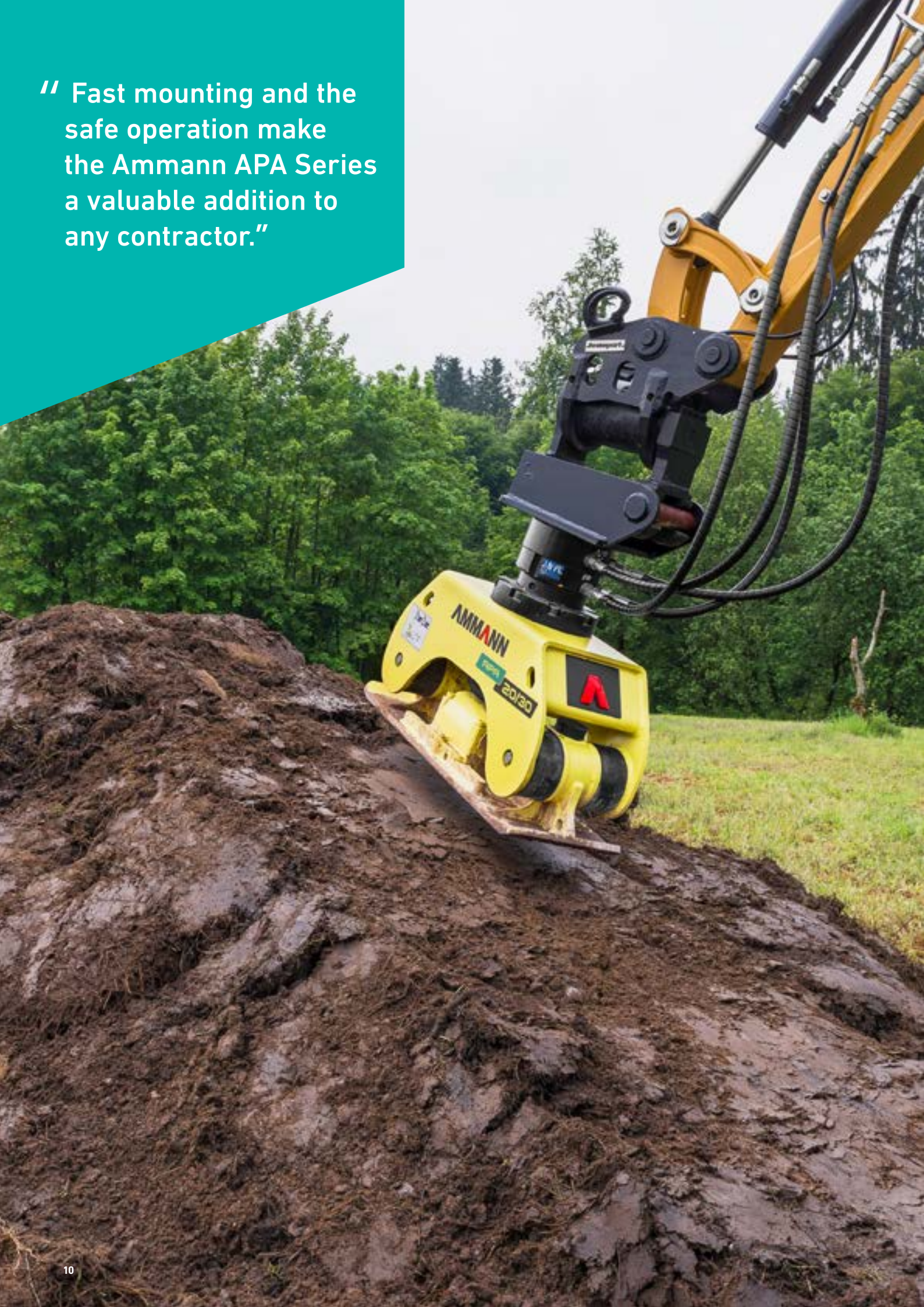
Equipped with a standard hydraulic 360° infinite rotating motor, the machines are suitable for excavators from 10 tonnes to 40 tonnes. This allows the use of machines in various construction site conditions, also on smaller jobsites where space is tight but still heavy compaction power is required.

MACHINE HIGHLIGHTS

- Two compaction frequencies in one machine
- Patented vibration limitation system protects the excavator frame and operator
- Self-blocking mechanical rotating device
- Rubber bushings prevent metal-on-metal contact under extremely high pressures
- Runs on hydraulics, reducing emissions and fuel consumption
- Maintenance-free exciter unit
- Available without rotary device for excavators that are already equipped with a tilt rotator
- Possibility to directly mount a quick coupling system on the rotator



“ Fast mounting and the safe operation make the Ammann APA Series a valuable addition to any contractor.”



SPECIFICATION

APA ADD-ON COMPACTORS

WEIGHTS & DIMENSIONS	APA 20/30	APA 20/40	APA 55/46	APA 55/56	APA 55/64	APA 72/74	APA 75/74	APA 100/88	APA 75/74 2M	APA 100/88 2M
OPERATION WEIGHT CECE*	160 kg	170 kg	370 kg	385 kg	400 kg	950 kg	950 kg	1170 kg	950 kg	1170 kg
A MACHINE LENGTH	875 mm	875 mm	1142 mm	1142 mm	1142 mm	1142 mm	1142 mm	1295 mm	1142 mm	1295 mm
B MACHINE WIDTH	300 mm	400 mm	460 mm	560 mm	640 mm	740 mm	740 mm	880 mm	740 mm	880 mm
C MACHINE HEIGHT*	485 mm	485 mm	580 mm	580 mm	580 mm	910 mm	910 mm	910 mm	910 mm	910 mm
TECHNICAL SPECIFICATION										
FREQUENCY	60 Hz	60 Hz	45 Hz	45 Hz	60 Hz	36 Hz	36 Hz	36 Hz	36/55 Hz	36/55 Hz
CENTRIFUGAL FORCE	20 kN	20 kN	55 kN	55 kN	55 kN	72 kN	84 kN	100 kN	75/40 kN	100/55 kN
REQUIRED OIL QUANTITY	40–60 l/min	40–60 l/min	50–80 l/min	50–80 l/min	70–110 l/min	90 l/min	150 l/min	150 l/min	150 l/min	150 l/min
REQUIRED OPERATING PRESSURE MAX	100 bar	100 bar	150 bar	150 bar	150 bar	250 bar	250 bar	250 bar	250 bar	250 bar
MAXIMUM BACK PRESSURE	30 bar	30 bar	30 bar	30 bar	30 bar	10 bar	10 bar	10 bar	10 bar	10 bar
RECOMMENDED SIZE OF THE CARRIER	< 5 t	< 5 t	< 12 t	< 12 t	< 12 t	10–20 t	12–25 t	18–40 t	12–25 t	18–40 t

*with mechanical positioner

TRAINING

ENHANCE YOUR PERFORMANCE

The Ammann International Training Centre in the Czech Republic is our training headquarters.

If you are not able to visit the International Training Centre, Ammann will bring the training to your business or even a jobsite of your choosing.

MACHINE TRAINING MODULES

Modules help you organise your team's training efforts. For example, you can have comprehensive lessons that put you on the path to expertise regarding a single machine. Or, if you prefer, your crew can instead broaden its general knowledge.

And if you want to become an expert on the entire product line, the modules can accommodate that, too.



MAIN COURSES

These are the most frequently requested lessons and focus on one machine line.

SUB COURSES

These courses focus on a single machine and typically run for 2 days, allowing a second (or even third) such course to be taken during a week at the training centre.

PRODUCT COURSES

Important information regarding Ammann compaction machines is at the core of these classes. The training includes correct operation and basic maintenance.

ADMINISTRATIVE COURSES

Participants in this training learn effective utilisation of warranty claims, spare parts purchase orders, training, requests for technical support and service tips. Those who take these classes will learn to use all Ammann technical publications and administration tools.

COMMISSIONING COURSES

In this training, participants learn maintenance and proper methods for organising a commissioning of Ammann compactors and asphalt pavers.

INTELLIGENT COMPACTION COURSES

Participants learn about the ACE^{force}, ACE^{pro} and ACE^{plus} systems used in Ammann machines. Those who take the class will learn to properly operate, maintain, diagnose and repair ACE systems. The offerings include ACE iii System for Soil Compactors, which is focused on ASC rollers, and ACE iii System for Asphalt Compactors, which discusses systems on ARP 95, ARX 90 and ARX 110.

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.

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.

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.

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.



“Ammann-trained technicians, parts availability and ease of ordering are Ammann priorities. For more information visit www.ammann-group.com.”

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.

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.

REPAIR KITS

Repair kits are available for more in-depth repairs, typically those that require the machine to be transported from the jobsite. The repair kits feature all parts – from the biggest components to the tiniest nut and bolt – needed for a particular repair. The kits ensure everything is there when you need it, thereby preventing the absence of a single, small part from keeping a productive machine from working.

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.

PROSPECT 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.



“Service kits ensure that every part is there when you need it, while emergency kits prevent a little challenge from becoming a big one.”

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

