

APF VIBRATORY PLATES

FORWARD MOVING VIBRATORY PLATES

PRODUCTIVITY

Large exciter unit

Boosts power, speed, climbing ability and machine life.

Toolless mountable water tanks

Enable simple refilling.

Toolless mountable rubber mats

Provide quick changes when it's time for a new application.

ERGONOMICS

Low HAV levels (below 2.5 m/sec²)

Protect the operator from unwanted vibration.

Quick and easy mounting of options (water tank, Vulcolan mat, transport wheels)

Make the most of operator and machine time.

Machine frame that enables secure grip

Helps the operator control the machine, even in difficult spaces and confined areas.

SERVICEABILITY

Maintenance-free exciter system

Reduces wear and maintenance costs.

Full engine frame

Protects against damage on the jobsite or during transport.

Toolless daily maintenance

Fast and convenient for optimal uptime.





APF 10/33



APF 12/33



APF 15/40



APF 15/50

	PETROL	PETROL	PETROL	PETROL
MACHINE WEIGHT	54 kg (119 lb)	68 kg (150 lb)	80 kg (176 lb)	84 kg (185 lb)
MACHINE WIDTH	330 mm (13 in)	330 mm (13 in)	400 mm (15.7 in)	500 mm (19.7 in)
MAX. VIBRATION FREQUENCY	100 Hz (6000 vpm)	100 Hz (6000 vpm)	100 Hz (6000 vpm)	100 Hz (6000 vpm)
MAX. CENTRIFUGAL FORCE	10.5 kN (2.3 lbf)	12 kN (2.7 lbf)	15 kN (3.4 lbf)	15 kN (3.4 lbf)



APF 20/50



APF 20/50

	PETROL	DIESEL
MACHINE WEIGHT	88 kg (194 lb)	106 kg (234 lb)
MACHINE WIDTH	500 mm (19.7 in)	500 mm (19.7 in)
MAX. VIBRATION FREQUENCY	90 Hz (5400 vpm)	90 Hz (5400 vpm)
MAX. CENTRIFUGAL FORCE	20 kN (4.5 lbf)	20 kN (4.5 lbf)



APR VIBRATORY PLATES

REVERSIBLE VIBRATORY PLATES

PRODUCTIVITY

Powerful machines

High compaction forces deliver the best compaction results.

Optimised base plate

Guarantees fast forward travel and outstanding gradeability on any surface.

Hydraulic forward and reverse drive

Provides simple and precise machine control even in confined spaces.

Optional Vulkollan mat

For careful work on paving blocks.

ERGONOMICS

Low-vibration guide handle

Low HAV values protect the operator

Open guide handle

Prevents the machine from being damaged by incorrect lifting.

Central single-point suspension

A central balanced suspension point ensures safe and simple transportation.

SERVICEABILITY

Low-wear exciter unit

Longer service intervals and lower maintenance costs.

Simplified maintenance work

Daily maintenance work does not require special tools.

Water separator

Indicator for poor fuel quality.





APR 2220



APR 2220



APR 2620

	PETROL	DIESEL	DIESEL
MACHINE WEIGHT	100 kg (220 lb)	121 / 128 kg (266 / 282 lb)	130 / 135 kg (287 / 298 lb)
MACHINE WIDTH	400 mm (15.7 in)	400 mm (15.7 in)	380 / 500 mm (15.9 / 19.7 in)
MAX. VIBRATION FREQUENCY	98 Hz (5800 vpm)	98 Hz (5800 vpm)	95 Hz (5700 vpm)
MAX. CENTRIFUGAL FORCE	22 kN (4.9 lbf)	22 kN (4.9 lbf)	24 kN (5.4 lbf)



APR 3020



APR 3020



APR 3520



APR 3520

	PETROL	DIESEL	PETROL	DIESEL
MACHINE WEIGHT	200 / 203 kg (440 / 446 lb)	213 / 217 kg (468 / 477 lb)	263 kg (578 lb)	271 kg (596 lb)
MACHINE WIDTH	500 / 600 mm (19.7 / 23.6 in)	500 / 600 mm (19.7 / 23.6 in)	600 mm (23.6 in)	600 mm (23.6 in)
MAX. VIBRATION FREQUENCY	90 Hz (5400 vpm)	90 Hz (5400 vpm)	65 Hz (3900 vpm)	65 Hz (3900 vpm)
MAX. CENTRIFUGAL FORCE	30 kN (6.7 lbf)	30 kN (6.7 lbf)	38 kN (8.5 lbf)	38 kN (8.5 lbf)



APR 4920



APR 5920

	DIESEL	DIESEL
MACHINE WEIGHT	350 kg (772 lb)	442 kg (974 lb)
MACHINE WIDTH	450 / 600* / 750 mm (17.7 / 23.6* / 29.5 in)	450 / 600* / 750 mm (17.7 / 23.6* / 29.5 in)
MAX. VIBRATION FREQUENCY	65 Hz (3900 vpm)	65 Hz (3900 vpm)
MAX. CENTRIFUGAL FORCE	49 kN (11 lbf)	59 kN (13 lbf)

* Standard working width



APH VIBRATORY PLATES

FULLY HYDROSTATIC REVERSIBLE VIBRATORY PLATES

PRODUCTIVITY

Large machine stroke

Results in compaction output with a high depth effect.

Fully hydraulic drive

Good machine controllability.

Three-shaft technology

Good gradeability effect and very good operating behaviour even on wet and cohesive substrate.

High quality standards combined with ACE

Reliable and proven quality with compaction control.

ERGONOMICS

Orbitrol control

Makes accurate work possible despite the machine's large mass.

Emergency stop switch

Protects the machine operator, especially in reverse mode.

Dead man's handle

Stops the machine as soon as the hands let go, thereby increasing safety for the machine operator and the surrounding objects and buildings.

SERVICEABILITY

Daily maintenance possible without tools

Preventive maintenance to protect the machine can be carried out anywhere.

Highly accessible engine

Ideal for speedy maintenance.

Fully hydraulic drive

No centrifugal clutch and no V belt and therefore no wear and tear.



COMPACTION TECHNOLOGY

INTELLIGENT GROUND COMPACTION
FOR APH VIBRATORY PLATES



COMPACTION TECHNOLOGY

The APH vibratory plates can be equipped with the well-known Ammann ACE (Ammann Compaction Expert) system, developed for larger Ammann compactors but adjusted to fit the APH line. ACE^{econ} continuously monitors compaction levels to the operator, boosting efficiencies – especially when compacting large areas. ACE^{force} monitors and can automatically adjust compaction force to provide efficiency and avoid surface damage from over-compaction of sensitive areas.



TRIPLE-SHAFT EXCITER SYSTEM

Ammann developed a triple-shaft exciter system for its APH products, the largest offered. This makes the machines easier to operate while increasing the power and compaction forces. The system keeps plate movement consistent, which in turn enables smooth travel – even through heavy, cohesive soils – and helps effortlessly overcome steep grades. APH machines even can climb while backfilling saturated areas – work that can leave competitive products at a standstill.



APH 5020



APH 6020



APH 5030



APH 6530

MACHINE WEIGHT	367 kg (807 lb)	482 kg (1060 lb)	375 kg (827 lb)	491 kg (1082 lb)
MACHINE WIDTH	450 / 600* / 750 mm (17.7 / 23.6* / 29.5 in)	500 / 700* / 850 mm (21.7 / 27.6* / 33.5 in)	450 / 600* / 750 mm (17.7 / 23.6* / 29.5 in)	500 / 700* / 850 mm (21.7 / 27.6* / 33.5 in)
MAX. VIBRATION FREQUENCY	65 Hz (3900 vpm)	69 Hz (4140 vpm)	65 Hz (3900 vpm)	55 Hz (3300 vpm)
MAX. CENTRIFUGAL FORCE	50 kN (11.2 lbf)	60 kN (13.5 lbf)	50 kN (11.2 lbf)	65 kN (14.6 lbf)

* Standard working width



APH 100-20



APH 110-95



APH 1000 TC

MACHINE WEIGHT	675 kg (1488 lb)	778 kg (1715 lb)	715 kg (1576 lb)
MACHINE WIDTH	650 / 800* / 950 mm (26 / 31* / 37 in)	650 / 800 / 950* mm (26 / 31 / 37* in)	650 / 800* mm (26.6 / 31.5 in)
MAX. VIBRATION FREQUENCY	40 Hz (2400 vpm)	48 Hz (2900 vpm)	46 Hz (2760 vpm)
MAX. CENTRIFUGAL FORCE	100 kN (22.5 lbf)	110 kN (24.7 lbf)	63 kN (15.7 lbf)

* Standard working width



