

APR SERIES

REVERSIBLE VIBRATORY PLATES



OUTSTANDING PRODUCTIVITY FOR EVERY CHALLENGE

These machines offer outstanding compaction performance and are among the fastest in their class. APR vibratory plates work reliably, even on uneven terrain and difficult compaction surfaces, thanks to their carefully balanced components. The large APR series product range offers the right machine for any application.

PRODUCTIVITY

Powerful machines

High compaction forces deliver the best compaction results.

Optimised base plate

Design enables higher speed and therefore faster coverage.

Hydraulic forward and reverse drive

Provides simple and precise machine control even in confined spaces.

ERGONOMICS

Low-vibration guide handle

Industry-leading HAV values below 2.5 m/sec² protect operator and eliminate need for time-consuming record keeping.

Open guide handle

Optimises manoeuvrability and prevents damage.

Fixation points

Clever design of machine frame enables simple machine fixation and higher safety during transport.

SERVICEABILITY

Low-wear vibratory system

Extended service intervals reduce customer service costs.

Simplified maintenance work

QR codes show proper maintenance avoiding unnecessary machine downtime.

Solid protection frame

Improved engine protective frame with higher durability and excellent access to daily maintenance points.

APPLICATIONS

- Earthwork and paving applications
- Road and rail track construction
- Compaction work in narrow trenches, confined areas
- Landscape and gardening
- Foundation work
- Sensitive surfaces (with optional rubber mats for stone protection)

AMMANN

TECHNICAL SPECIFICATIONS
APR SERIES REVERSIBLE VIBRATORY PLATES

WEIGHT
& DIMENSIONS



	APR 22/40 Diesel	APR 22/40 Petrol	APR 25/40 APR 25/50 Diesel	APR 30/50 APR 30/60 Diesel	APR 30/50 APR 30/60 Petrol	APR 40/60 Diesel	APR 40/60 Petrol	APR 49/20 Diesel	APR 59/20 Diesel
MACHINE WEIGHT	118 kg (260 lb)	100 kg (220 lb)	135 kg (298 lb)	215 kg (473 lb)	199 kg (439 lb)	269 kg (593 lb)	254 kg (560 lb)	424 kg (934.8 lb)	440 kg (970 lb)
MAX MACHINE WEIGHT (INCLUDING OPTIONS)	130 kg (287 lb)	108 kg (238 lb)	146 kg (322 lb)	242 kg (534 lb)	214 kg (472 lb)	283 kg (624 lb)	-	-	-
WORKING WIDTH	400 mm (15.7 in)	400 mm (15.7 in)	380 / 400 mm (14.9/15.7 in)	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)	450 / 600 / 750 mm (17.7/23.6/ 29.5 in)	450 / 600 / 750 mm (17.7/23.6/ 29.5 in)

ENGINE

ENGINE	Hatz 1B20	Honda GX 160	Hatz 1B20	Hatz 1B30	Honda GX 270	Hatz 1B30	Honda GX 270	Hatz 1B40	Hatz 1B40
FUEL	Diesel	Petrol	Diesel	Diesel	Petrol	Diesel	Petrol	Diesel	Diesel
ENGINE OUTPUT	4.2 HP / 3.1 kW	5 HP / 3.7 kW	4.2 HP / 3.1 kW	6.1 HP / 4.5 kW	8.6 HP / 6.3 kW	6.1 HP / 4.5 kW	8.6 HP / 6.3 kW	9 HP / 6.6 kW	9 HP / 6.6 kW
RPM	3000	3600	3000	2900	3100	2900	3100	2900	2900
FUEL CONSUMPTION	0.9 l/h (0.2 gal/h)	0.9 l/h (0.2 gal/h)	0.9 l/h (0.2 gal/h)	1.3 l/h (0.3 gal/h)	2.1 l/h (0.5 gal/h)	1.3 l/h (0.3 gal/h)	2.1 l/h (0.5 gal/h)	1.6 l/h (0.4 gal)	1.6 l/h (0.4 gal)

COMPACTION FORCES

MAX. VIBRATION FREQUENCY	98 Hz (5800 vpm)	98 Hz (5800 vpm)	95 Hz (5700 vpm)	90 Hz (5400 vpm)	90 Hz (5400 vpm)	85 Hz (5100 vpm)	85 Hz (5100 vpm)	65 Hz (3900 vpm)	65 Hz (3900 vpm)
MAX. CENTRIFUGAL FORCE	23 kN (4.9 lbf)	23 kN (4.9 lbf)	25 kN (5.4 lbf)	32 kN (7.2 lbf)	32 kN (7.2 lbf)	42 kN (9.4 lbf)	42 kN (9.4 lbf)	49 kN (11 lbf)	59 kN (13 lbf)
WORKING SURFACE	528 m ² /min 5683 (ft ² /h)	504 m ² /h (5425 ft ² /h)	870 m ² /h (9365 ft ² /h) 1044 m ² /h (11238 ft ² /h)	780 m ² /h (8396 ft ² /h) 900 m ² /h (9688 ft ² /h)	780 m ² /h (8396 ft ² /h) 900 m ² /h (9688 ft ² /h)	1044 m ² /h (11238 ft ² /h)	1350 m ² /h (14531 ft ² /h)	1350 m ² /h (14531 ft ² /h)	1350 m ² /h (14531 ft ² /h)
SPEC. SURFACE PRESSURE	23.62 N/cm ²	23.62 N/cm ²	15.76 N/cm ²	19.39 N/cm ²	19.39 N/cm ²	16.66 N/cm ²	16.66 N/cm ²	18.15 N/cm ²	21.85 N/cm ²

MISCELLANEOUS

HAND-ARM VIBRATIONS	< 2.5m/sec ²	< 2.5m/sec ²	< 2.5m/sec ²	< 2.5m/sec ²	< 2.5m/sec ²	< 2.5m/sec ²	< 2.5m/sec ²	< 2.5m/sec ²	< 2.5m/sec ²
SPEED	21 m/min (0.8 mph)	22 m/min (0.8 mph)	21 m/min (0.8 mph)	29 m/min (1.1 mph)	26 m/min (1.0 mph)	25 m/min (0.9 mph)	29 m/min (1.1 mph)	35 m/min (1.3 mph)	35 m/min (1.3 mph)
FUEL TANK	3.0 l (0.8 gal)	2.5 l (0.7 gal)	3.0 l (0.8 gal)	5.0 l (1.3 gal)	6.0 l (1.6 gal)	5.0 l (1.3 gal)	6.0 l (1.6 gal)	5 l (1.1 gal)	5 l (1.1 gal)
GRADEABILITY	35 %	35 %	35 %	35 %	35 %	35 %	35 %	30 %	30 %
MAX. INCLINE TO ALL SIDES	30°	20°	30°	30°	20°	30°	20°	25°	25°
WATER TANK	7.6 l (2 gal)	-	9.4 l (2.5 gal)	-	-	-	-	-	-

OPTIONS

PAVING PAD	*x	*x	**x	**x	**x	*x	*x	x	x
TRANSPORT WHEELS	x	x	x	x	x	-	-	-	-
WATER SPRINKLER	x	-	x	-	-	-	-	-	-
HOURLY METER	x	x	x	x	x	x	x	x	x
E-START	-	-	-	x	-	x	-	x	x
ACE ^{econ}	-	-	-	-	-	-	-	x	x

x = available / - = not available

* Toolless paving pad / ** Available only on APR 25/50 & APR 30/50