APH 50/75

HYDROSTATIC VIBRATORY PLATE

A TRUSTED COMPACTOR

The Ammann APH 50/75 Hydrostatic Vibratory Plate features a two-shaft exciter system that assures powerful compaction forces. This machine is highly reliable and trusted in the marketplace because of its robust design and long component life. APH 50/75 is the smallest machine within the APH range and weighs in at 350 kg (772 lb). It can be operated easily and comfortably, even in tight areas, and works well around obstacles such as columns and in cohesive materials.

PRODUCTIVITY

Superior compaction performance
Powerful vibratory unit that generates high compaction output for fast compaction and consistent coverage.

Fully hydraulic drive
Best-in-class machine control with high accuracy, even in confined areas.

ACE Intelligent Compaction System
Exceptional tool that delivers optimal compaction efficiency.

ERGONOMICS

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

Convenient orbitrol control
Ergonomically optimized for perfect machine control during working shift

Secure transport
Simple machine fixation and higher safety during transport

SERVICEABILITY

Tool-free daily inspection
Daily maintenance possible without tools.

Hydraulic drive
Reduced wear and downtime than conventional mechanical drive.

Protective frame and covers
Protects all key components against damage on the jobsite or during transport.

APPLICATIONS

- Soil/earthwork
- Set paved roads/ paving stones
- Trench work
- Road construction
- Foundation work
- Civil engineering
- Landscaping

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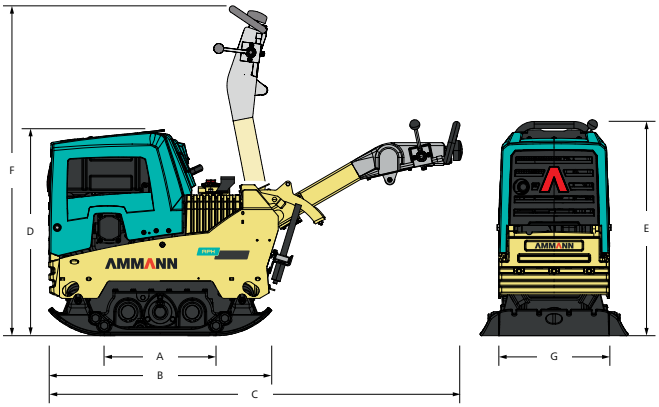
TECHNICAL SPECIFICATIONS
APH 50/75 HYDROSTATIC VIBRATORY PLATE



WEIGHT & DIMENSIONS

MACHINE WEIGHT BASIC UNIT	350 kg (772 lb)
A BASE PLATE LENGTH	450 mm (17.7 in)
B MACHINE LENGTH	900 mm (35.4 in)
C WITH HANDLE	1600 mm (63.0 in)
D MACHINE HEIGTH	820 mm (32.3 in)
E HANDLE HEIGHT (WORK)	1000 mm (39.4 in)
F HANDLE HEIGHT (TRANSPORT)	1500 mm (59.1 in)
G MACHINE WIDTH	450/600/750 mm (17.7/23.6/29.5 in)

ENGINE

ENGINE	Hatz Supra 1D50S
FUEL	Diesel
ENGINE OUTPUT AT RPM	9.4 HP / 7 kW 3200 rpm
FUEL CONSUMPTION	1.7 l/h (0.45 gal/h)

COMPACTION FORCES

MAX. VIBRATION FREQUENCY	70 Hz (4200 vpm)
MAX. CENTRIFUGAL FORCE	50 kN (11240 lbf)
WORKING SURFACE BASIC UNIT	1125 m^2/h (12,109 ft^2/h)
MAX SURFACE PRESSURE	24,7 N/cm^2 (35,8 psi)
AMPLITUDE	1.7 mm (0.1 in)

MISCELLANEOUS

OPERATING SPEED	25 m/min (0.93 mph)
TANK CAPACITY	5 l (1.3 gal)
GRADEABILITY	36%
MAX. INCLINE TO ALL SIDES	30°

STANDARD EQUIPMENT

- Vibration isolated handle bar, ergonimically adjustable and lockable
- Orbitrol system providing optimal drive control
- Protective casing: Protects functional components against dirt and damage, offers easy accessibility for service
- Powerful, air cooled and silenced hatz diesel engines with oil alert system and low emission values
- Hydrostatic driven 2-shaft exciter system
- 3 year extended warranty program

OPTIONAL EQUIPMENT

- Extension plates (2x 75 mm & 2x 150 mm)
- Operation hour meter
- Electric starter and emergency stop
- Compaction control system ACE^{eco}

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

Materials and specification data are subject to change without notice.

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