



## Optimal compaction performance, operators safety first

### Safety

Operators safety has increasingly become a deciding factor, particularly in underground working and trench construction. There are certain situations when compaction can be hazardous, despite high technical safety standards such as shuttering systems. AMMANN has developed a machine considering this criteria: The remote controlled vibratory plate model AVH 1000 TC.

It achieves high compaction results, even in the deepest trenches and most impassable areas thanks to its high performance and to the compact design due to the powerful horizontally installed Hatz Supra 1 D 90 V Diesel engine. The operator controls the machine from a safe position, by either:

- Infrared remote control transmitter, which does not require recharging, due to its solar panel ensuring a constant readiness for use - max. distance between transmitter and machine is 18 metres.
- Cable control - max. possible distance transmitter and machine is 8 metres.

The AVH 1000 TC operates on the proven principle of fully hydrostatic system, hydraulic drive of the exciter shafts, and hydraulic adjustment of centrifugal weights. This guarantees a quick response to the commands of the operator through the remote control transmitter - in case of emergency the machine can be stopped immediately. There are no wear and tear parts such as centrifugal clutches or V-belts.

### All inclusive

Safety and easy operation are the focus of attention:

- The remote control transmitter is equipped with an emergency stop switch.
- The engine is started and stopped with the remote control unit, the engine start can be done in idle position.
- The vibration can be started and stopped at operator's request.
- The direction of movement can be rapidly altered as desired.
- A signal received acknowledgement light on the machine notifies the operator that the remote control unit is in infrared contact with the receiver on the plate. Should the operator loose contact with the machine it will automatically stop.
- A surrounding control system protects the operator: in case of a distance of less than 2 metres between user and machine the plate stops and cannot be restarted.
- The cable operation is controlled by the electric system being independent from the electronic system (can be necessary under very bad weather conditions when the remote control unit has to be recharged).
- An electronic shut off system protects the engine via solenoid in case of insufficient oil level, dirty air filter or overheating. The engine stops after repeated starting again.
- Considerably improved cleaning intervals of the air filter thanks to an optimised air stream guide system.
- Strong job site proven catches and hinges.
- Easy diagnosis of the electronic system with error memory report
- Simple, trouble-free cable installation.
- Storage of remote control unit and cable unit under the lookable rear cover.
- Excellent accessibility to all maintenance and service points.

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Machines

Remote controlled  
**vibrating plate 710–750 kilos**

AVH 1000 TC





Freedom of movement thanks to remote control







Fully hydraulic and much more.

A condensed overview of benefits and advantages:

Fully enclosed design: optimum protection against dirt and damage and excellent accessibility for maintenance

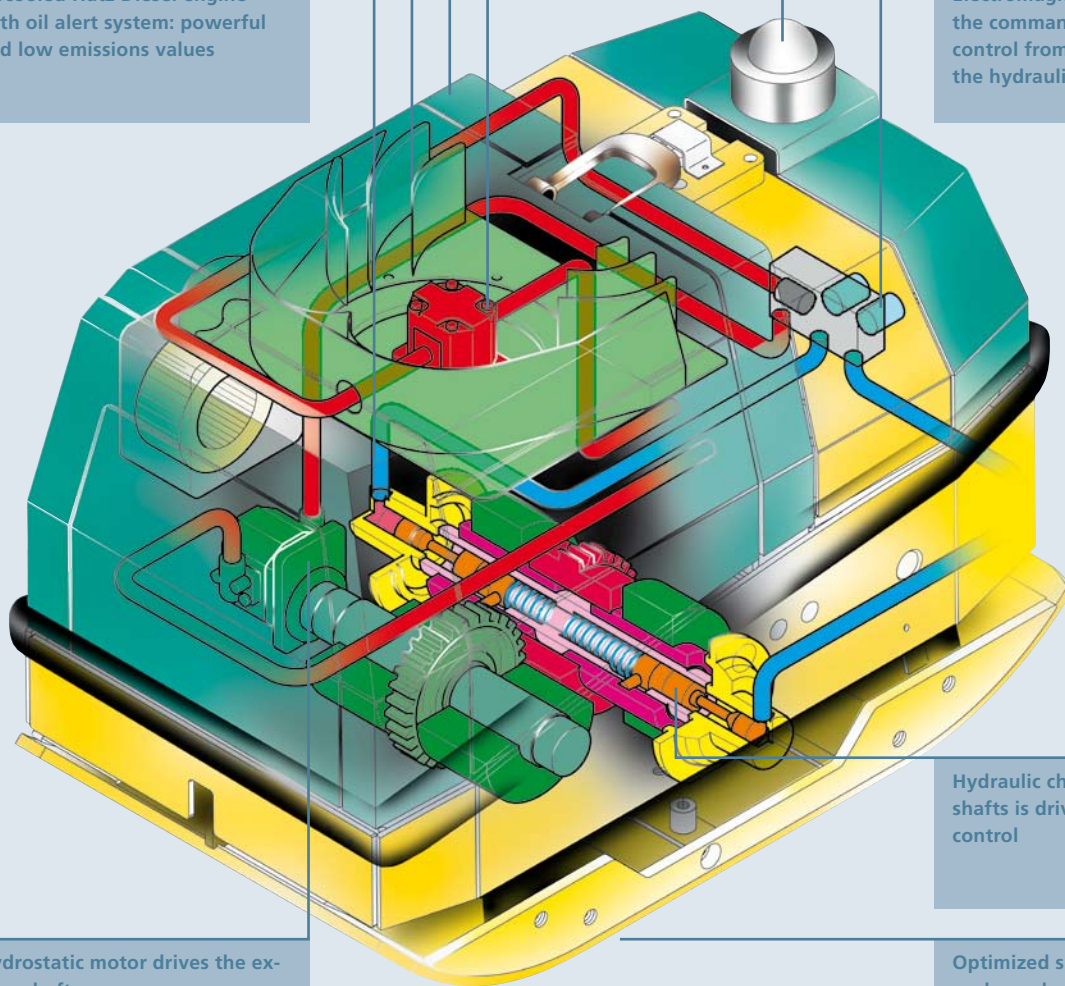
Extraordinary large air filter system with active dirt particle separation

Aircooled Hatz Diesel engine with oil alert system: powerful and low emissions values

A hydraulic pump to power drive and drive control eliminates an expensive and high-wearing V-belt system

Infrared receiver for the remote control with a signal acknowledgement light

Electromagnetic valves transmit the commands of the remote control from the black box into the hydraulic system



Hydrostatic motor drives the exciter shafts

Hydraulic change of the eccentric shafts is driven by the remote control

Optimized shape of base plate ensures balanced running performance, powerful drive and maximum gradient climbing capability



## Technical data

### AVH 1000 TC

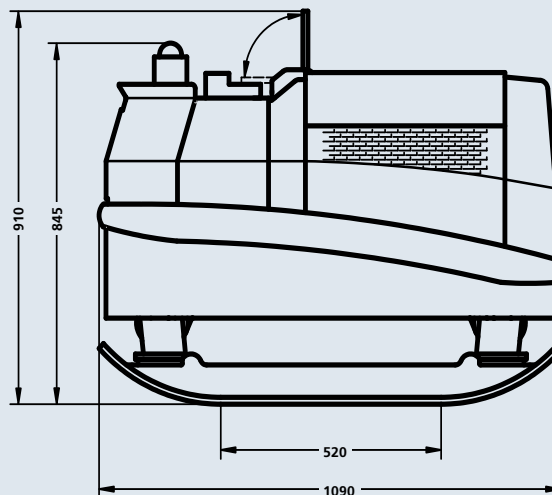
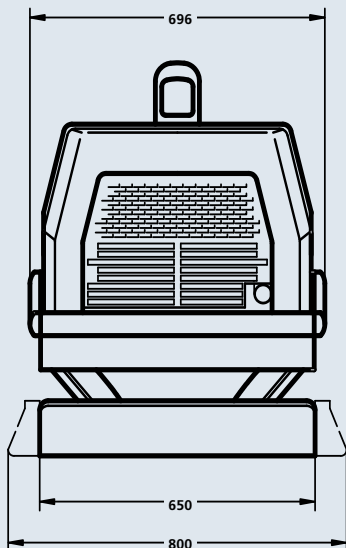
#### Operating weights CECE

Basic unit	kg	710
With extension plates	kg	750
Working width		
Basic unit	mm	650
With extension plates	mm	800
Engine		Air-cooled Hatz Diesel
Model		1 D 90 V
Power	HP/KW	10,9/15,4
At speed	rpm	2900
Fuel capacity	l	10
Fuel consumption	l/h	ca. 2,5
Centrifugal force up to	kN	70
Vibration frequency up to	Hz	46
Compaction depth*	cm	90
Operating speed*	m/min	28
Max. gradeability	%	35
Max. incline	°	25

Max. surface capacity		
Basic unit	m <sup>2</sup> /h	1090
With extension plates	m <sup>2</sup> /h	1350
Serial equipment		Infrared remote control and cable control Electric starter, extension plates 75 mm
Optional equipment		Operating hour meter

\*according to nature of soil

Specifications are subject to change due to technical improvements.



AVH 1000 TC