

DESCRIPTION	VALUE	UNIT
Type	GHV 520	
Frequency range	47-1006	MHz
Amplification	21	dB
Attenuation (1/1,5dB-in increments), input	0 < > 15	dB
Flatness	± 1	dB
Noise	< 7 (typ. 5)	dB
Reflection attenuation(40MHz, -1.5dB/Octave)	> 18	dB
Measurement point	-20	dB
Maximum outlet level		
CSO, >60dB	101	dBμV
CTB, >60dB	104	dBμV
HF Connectors (75Ω)		
HF inlet, measurement point	F-connector, female	
HF outlet, measurement point	F-connector, female	
General		
Dimensions w x h x d	170 x 65 x 100	mm
Power supply	190—264 / 50...60V~/Hz	
Power consumption	< 3	W
Operating temperature	-25 < > +55	°C
Safety class	II	Class
Housing type	20	IP
Weight	650	g

## GHV 520

The GHV 520 is a home amplifier with a low noise level. This amplifier is mainly intended for small to medium-sized CAI systems in homes. The GHV 520 has a modular design.

- Suitable for 1 GHz technology.
- Amplification forward 21 dB.
- In steps of 1dB (GHV 520) adjustable attenuation using rotating switch.
- Equipped with F-connector connections.
- 20dB measurement points for the inlet and outlet (not to be used for connection of distributors, taps or wall sockets).
- ESD secured.
- Low electricity consumption.



## INSTALLATION

### Important

During installation, take the following safety precautions:

- Before starting work, always remove the 230V AC plug from the wall socket.
- Always have the 230V AC equipment installed by a certified fitter.
- Do not work on the amplifier during a thunderstorm.
- Always connect the CAI system to a clear earth point. If there is no earth on the signal takeover point (TRAS 1000/B or DIO-01), you can also connect the amplifier itself to this earth (earth cable diameter min. 4 mm<sup>2</sup>).

### Installation guidelines

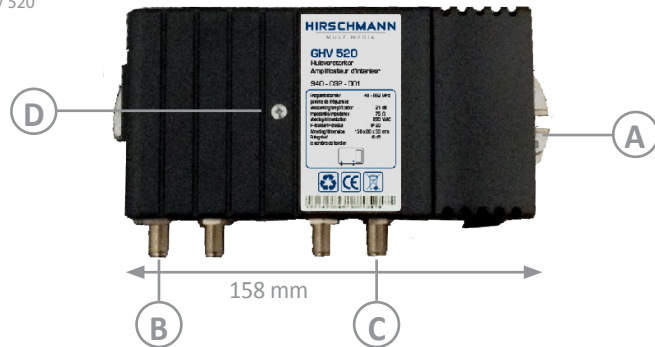
Horizontally and under the following conditions:

- Close to non-flammable materials (stone or concrete wall).
- Dust-free environment and protected against damp and or dripping or splashing water.
- Not in direct sunlight.
- Not in an intensely heated space (central heating room, etc.)
- Avoid use at the highest permitted operating temperature for the amplifier.

### Wall mounting

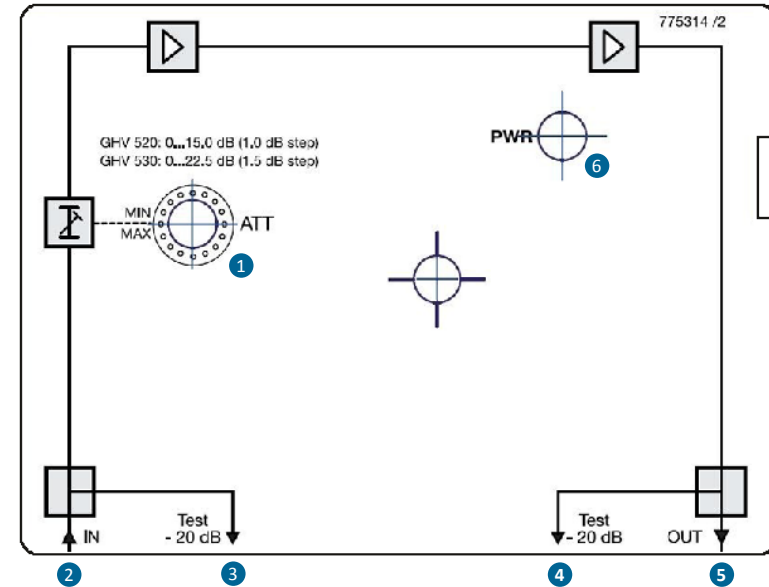
- Attach the amplifier to the wall according to the indicated measurements (see Figure 1). The screws used should have a maximum diameter of 4.8 mm, and the distance between the attachment points should be 158 mm.
- If there is no signal takeover point, use an earth cable to connect a clean earth under screw A (minimum diameter 4 mm<sup>2</sup>).
- Connect the cables to HF inlet B and HF outlet C. Ensure optimal connection with the proper Hirschmann Multimedia connectors and cables.
- Connect the 230V AC plug.

Fig.1 The GHV 520



## APPENDIX

Fig. 2 Inside of the amplifier



- |   |                                    |
|---|------------------------------------|
| 1 Regulator/rotating switch (attenuation) | 4 Test connector HF outlet, -20dB* |
| 2 HF inlet                                | 5 HF outlet                        |
| 3 Test connector HF inlet, -20dB*         | 6 Power ON/OFF LED                 |

\* Not to be used for connection of distributors/taps/wall sockets!

### Open amplifier:

To remove and close the cover of the amplifier, use screw D (see figure 1)

SEE FIG. 2	DOWNSTREAM	SETTINGS	STANDARD	SETTING TYPE
1	Inlet attenuator in 1/1.5 dB increments	D-15 dB (GHV 520)	0 dB	Rotating switch