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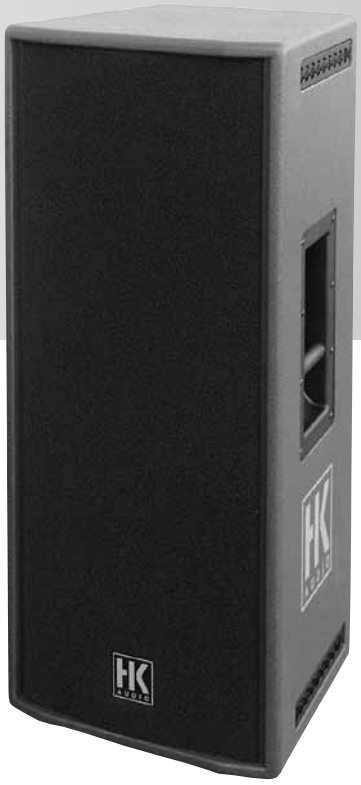
VT 212 II F



State-of-the-art full-range or mid/high loudspeaker system. Produces highest Sound Pressure Levels. Exceptional phase linearity, speech intelligibility, and dynamic range. Primary application as a mid/high module in combination with a subwoofer, e.g. the HK AUDIO HL 118. Can also serve in stand-alone mode as a full-range enclosure.
Ideal for professional near-field applications with high SPL requirements, such as a FOH sound reinforcement system in clubs and mid-sized venues, or as a sidefill on larger stages. Integral passive crossover.

Technical Specifications:

Power Handling Nominal (RMS):	600 watts
Power Handling Program:	1,200 watts
Frequency Response:	80 Hz – 16 kHz +/- 3 dB
Axial Sensitivity 1W @ 1m:	106 dB* (100 dB in full space)
Maximum SPL @ 1m:	137 dB* @ 10 % THD (131 dB in full space)
Nominal Impedance:	4 Ohms
Low/Mid Driver:	(2) 12" Precision Devices
High-Frequency Driver:	2" B&C
Horn:	60° x 40° CD Horn
Crossover Frequency:	1 kHz passive, 12 dB / Octave
Connectors:	(2) Speakon NL 4, (1) XLR male, (1) XLR female
Housing:	19 mm (3/4") thick, 13-ply birch plywood
Cabinet finish:	two-part polyurethane lacquer
Front grille:	metal grille with 15 mm acoustic foam
Handles:	(2) recessed metal handles
Suspension hardware:	(4) 8-position Aeroquip fly tracks
Pole mount cup:	35 mm (1-3/8") diameter
Weight:	49 kg (108 lb)
Dimensions:	39 x 88 x 35 cm (15.5" x 35" x 14")

* measured in half space.

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TECHNICAL SPECIFICATIONS VT 212 II F

Description

Performance:

The **VT 212 II F** is a passive loudspeaker system which can be used either as a full-range cabinet or a mid/high module. It is recommended especially for its vocal intelligibility, exceptional phase-linear response and extremely high SPL output. If even deeper low-end response is desired, the HK AUDIO Subwoofer HL 118 is an excellent match.
The **VT 212 II F** is primarily designed for sound reinforcement applications requiring high sound-pressure levels for near-field or medium-throw use. For maximum operating efficiency, the use of an HK AUDIO Digital Field Controller is recommended, or, as an alternative, the analog controller HK AUDIO AC 22 with the appropriate module.

Design and components:

The **VT 212 II F** loudspeaker system consists of two direct-radiating 12" B&C cone woofers and a 2" B&C high-frequency driver mounted on a 60° x 40° constant-directivity horn.
The drivers are axially aligned.

Acoustic and electronic details:

The **VT 212 II F** has a frequency range of 80 Hz to 16 kHz (± 3dB) and a power-handling capacity of 600 watts RMS into a 4-Ohm load. The sound pressure level measured at 1W@1m is 106 dB (in half-space), whereas the maximum sound pressure level (at 1m) is 137 dB (in half-space).

The rear panel of the **VT 212 II F** incorporates two Neutrik NL4 Speakon® connectors plus one 3-pin male XLR and one 3-pin female XLR connector, all of which are recessed. All connections are wired in parallel. In the Speakon® jack, pin 1+ and 1- carry the signal, while in the XLR jacks the signal is carried on pins 1 and 2.

Physical description:

The cabinet is constructed of 3/4"-thick, 13-ply void-free Baltic birch plywood. The enclosure is trapezoidal in shape, 15.5" wide by 35" tall by 14" deep (39 x 88 x 35 cm). Weight is 108 lbs (49 kg).

The housing is finished with a waterproof gray two-part polyurethane topcoat. The baffle is protected by a metal grille and durable, 5/8"-thick acoustic foam.

Metal carry handles are recessed in the sides of the cabinet.
A pole mount cup is also recessed in the bottom of the enclosure.
The **VT 212 II F** includes suspension hardware in the form of four 8-position Aeroquip fly tracks which make it easy to suspend the cabinet at various angles.

Connector plate:

Architectural Specifications

The 2-way full range loudspeaker system shall incorporate two 12" LF-MF speakers and a 2" HF compression driver.
The LF-MF speakers shall be mounted in a vented enclosure tuned for optimum low frequency response and the HF driver shall be loaded with a constant directivity horn. The nominal coverage pattern of the horn shall be 60° horizontal and 40° vertical.
An internal passive filter network shall provide the acoustical crossover as well as system frequency and phase correction.

System frequency response shall vary no more than ±3 dB from 80 Hz to 16 kHz measured on axis. The system shall produce a sound pressure level (SPL) of 106 dB on axis at 1 meter with a power input of 1 Watt in half space and shall be capable of producing a maximum output of 137 dB on axis at 1 meter with 10% THD. It shall handle 600 watts RMS and shall have a nominal impedance of 4 ohms.

The enclosure shall be trapezoidal in shape. It shall be constructed of 3/4" void-free 13-ply Baltic birch plywood and shall be finished in gray polyurethane. Two recessed metal handles, a recessed pole mount cup on the bottom and two TÜV-approved Aeroquip 8-position fly tracks on both the left and right sides of the housing shall be provided. Input connectors shall be dual Neutrik NL 4 Speakon as well as a male and female XLR connector. The front of the system shall be covered with a perforated metal grille covered with 15 mm acoustic foam.

The 2-way full-range loudspeaker system shall be the HK AUDIO model **VT 212 II F**.

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