**Tender Specification HK Audio SI SERIES S210 V**

Professional passive woofer with 2x10" high power transducers with 600 W nominal power handling for use in sound reinforcement systems.

The loudspeaker shall achieve a high transmission quality of music and speech, characterized by smooth amplitude response, omnidirectional directivity and low non-linear distortion.

The enclosure material shall be birch plywood, which shall be coated with abrasion-resistant textured paint. The cabinet shall be designed as bass reflex, where the sound radiation at the lowest frequency range shall be supported by a large channel with exponential contour.

The loudspeaker shall cover a frequency range of 44 Hz to 140 Hz (-10 dB) and achieve a characteristic sound pressure level of 95 dB/1 W/1 m at a nominal impedance of 4 ohms.

By means of a switch, the electrical impedance of the loudspeaker shall also be switchable to 16 ohms.

At the nominal power of 600 W or a program power of 1200 W, it shall be possible to achieve a maximum sound pressure level of 121 dB/1 m/10 % THD.

The electrical connection of the loudspeaker shall be implemented with two 4-pole connectors protected by an additional cover plate with two PG glands.

In order to be able to implement an installation in protected outdoor areas, the overall construction of the loudspeaker must achieve protection class IP 44 according to EN 60529.

For installation in sports facilities, ball impact resistance must be ensured in accordance with DIN 18032-3, which must be verified by testing by an independent, accredited testing institute; manufacturer's declarations alone are not sufficient.

Mounting points with eight M8 threaded inserts provided as standard inside the cabinet are intended to allow mounting of an optional U-bracket to realize wall, ceiling and flown installation types.

The filters required for operation to equalize the frequency response shall be provided in freely accessible tabular formats or suitable DSP presets.

Simulation data in GLL format (for EASE and/or EASE Focus) shall be provided for planning the acoustic transmission characteristics in practice.

**Technical data HK Audio SI SERIES S210 V**

- Power handling (nominal): 600 watts

- Power handling (program): 1200 watts

- Power handling (peak): 2400 watts

- Frequency response (-10 dB): 44 Hz - 140 Hz

- Sound pressure level 1 W @ 1 m, full space: 95 dB

- Max. SPL 10 % THD, full space: 121 dB

- Nominal impedance: 4 ohms or 16 ohms, switchable

- Loudspeaker: 2 x 10" woofer with 2.5" voice coil and ferrite magnet

- Dispersion angle: omnidirectional

- Connections: 2 x 4-pin connector

- Cabinet: Birch plywood

- Filters: Lab.gruppen IPD/IPX, Lab.gruppen Lake, Powersoft Armonia, QSC Q-SYS and tabular filter data sets

- Surface: 2-component textured lacquer in over 40 colors

- Metal protective grille with acoustic cloth covering: In over 40 colors, dirt/water repellent or flame retardant

- Protection class (IP Code EN 60529): IP 44

- Flying points: 8 x M8

- Weight: 27.5 kg

- Dimensions (H x W x D): 297 x 700 x 550 mm

- Accessories: U-bracket, extension plates