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

Professional passive woofer with 2x10" high power transducers and 2x10" passive radiators with 300 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 enclosure shall be a closed volume with two additional passive radiators to achieve high environmental resistance and IP rating.

The loudspeaker shall cover a frequency range of 48 Hz to 140 Hz (-10 dB) and achieve a characteristic sound pressure level of 92 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 300 W or a program power of 600 W, it shall be possible to achieve a maximum sound pressure level of 117 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 66 according to EN 60529, which must be verified by testing by an independent, accredited testing institute; manufacturer's declarations alone are not sufficient.

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.

**The loudspeaker shall be the model HK Audio SI SERIES 210 P.**

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

- Power handling (nominal): 300 watts

- Power handling (program): 600 watts

- Power handling (peak): 1200 watts

- Frequency response (-10 dB): 48 Hz - 140 Hz

- Sound pressure level 1 W @ 1 m, full space: 92 dB

- Max. SPL 10 % THD, full space: 117 dB

- Nominal impedance: 4 ohms or 16 ohms, switchable

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

- 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 66

- Flying points: 8 x M8

- Weight: 29.0 kg

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

- Accessories: U-bracket, extension plates