

QUBE QS 218

REINFORCEMENT SUBWOOFER

DESIGNED BY
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KEY FEATURES

- ▶ Enclosure in 18 mm birch wood
- ▶ Custom 2 x 18" high power woofer with 4" coil
- ▶ Designed to strengthen and extend the low freq. range of the QUBE touring systems

APPLICATION

- ▶ High performance touring

GENERAL DESCRIPTION

The QS 218 is a front-loaded bass reflex subwoofer. Equipped with a dual high excursion 18" woofer with 4" coil. The specially designed reflex port and efficient voice coil cooling system enables the QS218 to achieve high SPL with minimal power compression. Designed for high performance touring, with its outstanding bass extension and high sound levels (140.5 dB SPL), the QS 218 is the ideal companion for QUBE QSA 210 line array system but is compatible with all QUBE models. Applications include, sound reinforcements and touring.

Ruggedly constructed of 18mm birch wood the enclosure is internally braced to avoid vibration at extreme sound pressure level. Easy to carry thanks to 4 rear wheels (optional), the cabinet is finish in a durable and scratch resistant paint. The connector panel's have dual Neutrik NL4 speakon for reliable input and loop through connections.

TECHNICAL SPECIFICATIONS

ELECTRICAL PERFORMANCE

Configuration	SUBWOOFER
Recommended amplifier (1)	2800W rms
Long term power AES (2)	1400 W
Short term power IEC 268-5	5600 W
Nominal impedance	2/4 ohm
Frequency response @-6dB (3)	28 Hz - 300 Hz
Sensitivity @1W, 1m (4)	103 dB
Max SPL (5)	140.5 dB
Dispersion @-6 dB (HxV))	omnidirectional
Crossover frequency	100 Hz
Recommended HP filter	24 Hz - 24 dB oct.

PHYSICAL

Low frequency woofer	2 x 18" - coil Ø 4"
Input connectors	2 x speakon NL4 paralleled
Net dimensions (WxHxD)	1070 x 657 x 730 mm
Net weight	100 kg
Enclosure materials	18 mm birch wood
Finish	wear-resistant textured black paint
Grille	black powder coated perforated steel with foam

(1) amplifier power on nominal loudspeaker impedance

(2) 2 hours, pink noise with crest factor 2, applied RMS voltage corresponding to the power on the minimum of the modulus of the impedance of the speaker in full range mode, or of the driver in bi-amp mode.

(3) full-space on axis

(4) average SPL measured over the freq. response range

(5) calculated based on short term power capacity and measured 1W, 1m full space sensitivity

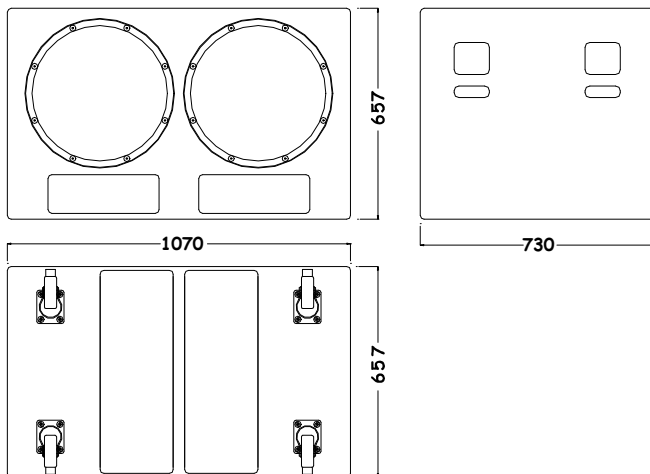
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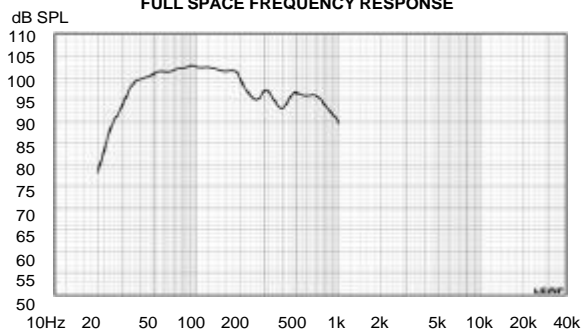
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DIMENSION DRAWINGS



FULL SPACE FREQUENCY RESPONSE



ARCHITECTURAL & ENGINEERING SPECS.

The subwoofer loudspeaker shall incorporate two 18" LF transducer with 4" coil.

System frequency response shall vary no more than +/- 6dB from 28Hz to 300Hz measured on axis.

The loudspeaker shall produce a sound pressure level (SPL) of 140.5 dB on axis at 1 meter.

It shall handle 1400 watts of amplifier power long term (AES standard) and shall have a nominal impedance of 8 ohm.

It shall be constructed of 18mm birch wood with internal reinforcement.

Input connectors shall be two NL4 speakon.

The front of loudspeaker shall be covered with a powder-coated perforated grille with foam.

The subwoofer loudspeaker shall be the QUBE model QS218

INPUT PANEL & BLOCK DIAGRAM

