

## CQ76-2H NEW TYPE OF RIBBON COMPRESSION HF HORN LOUDSPEAKER

### KEY FEATURES

- Unique Patented Design
- 2\*76mm VC high frequency compression driver
- Accurate piston motion of ribbon diaphragm
- Optimized phase plug
- Perfect linear source
- Frequency range cover 0.7 to 20 KHz
- Flat response +/-2dB within 0.8KHz to 16KHz
- Ultra low THD within effective range

### CQ76-2H TECHNICAL PARAMETERS

<b>Frequency response</b>	800Hz ~ 16000Hz (±2 dB) 16000Hz ~ 20000Hz (+2 dB; -6 dB)
<b>F0</b>	450Hz (±15% deviation)
<b>Recommended crossover</b>	Lowest reliable crossover @ 700Hz
<b>Rated power<sup>1</sup></b>	60 VA
<b>Input impedance<sup>2</sup></b>	8 Ω with (±10% deviation)
<b>Sensitivity</b>	104 dB @ 1W/1M
<b>THD</b>	700Hz -- 15000Hz < 1%
<b>Horn exit size</b>	160(W)*240(H)(mm)

NOTE:

[1]:3 minutes intermittent(1min on, 2min off) sine wave(1.5~15KHz sweep signal) power tested at 25 °C and repeat it 10 cycles without any performance degradation.

[2]:The input impedance could be customized to order.

### APPLICATIONS

- As a Mid-high range unit in the large scale Line Array systems
- As a Mid-high range unit in the professional loudspeaker systems.

#### Notes:

\* LMS and SoundCheck curves were measured with horn in a semi anechoic room.

\* All curves were truly genuine without any smooth or average process.

\* According to the measurement standard, THD is measured at 94 dB (see Fig. 4).

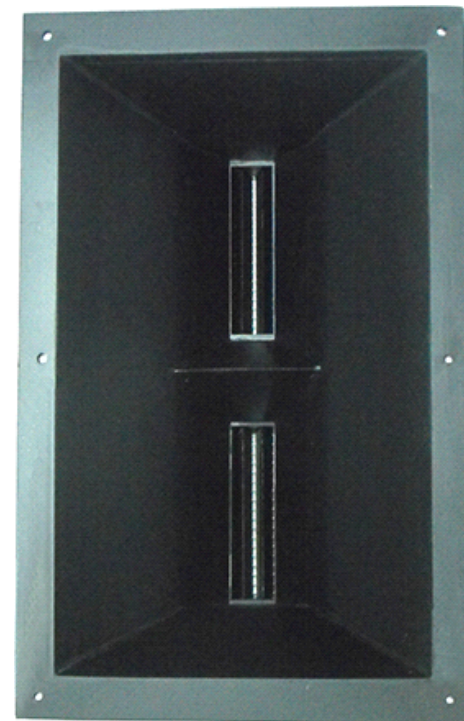


Fig. 1 CQ76-2H front view

### MESUREMENT FIGURES

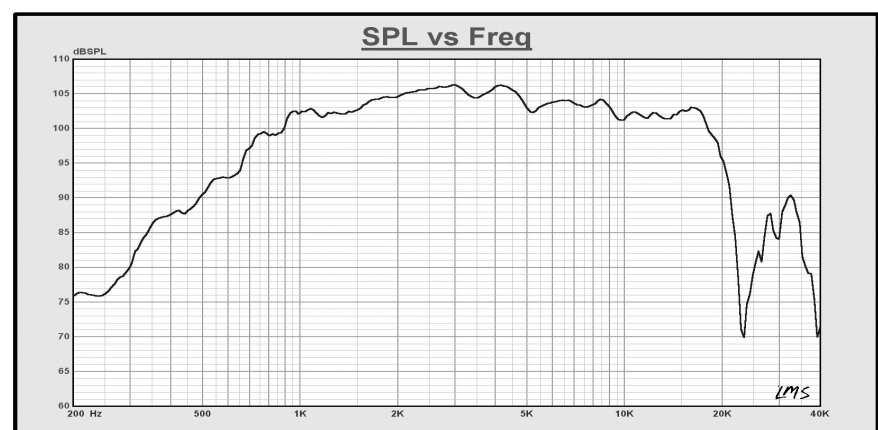


Fig. 2 on axis SPL curve from LMS

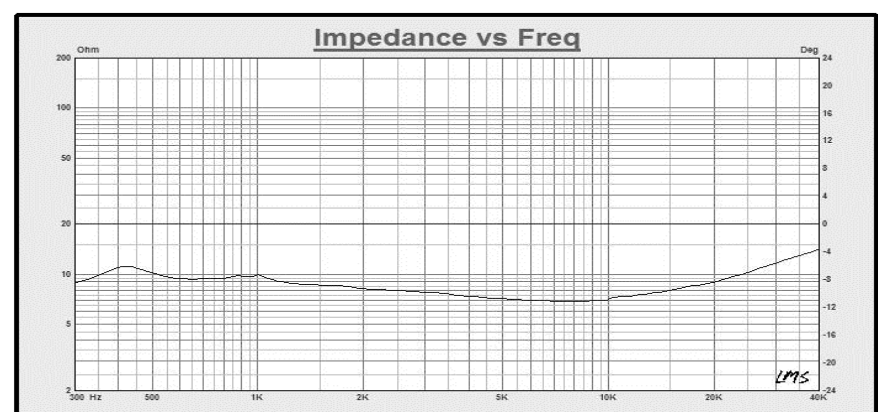


Fig. 3 Impedance curve from LMS

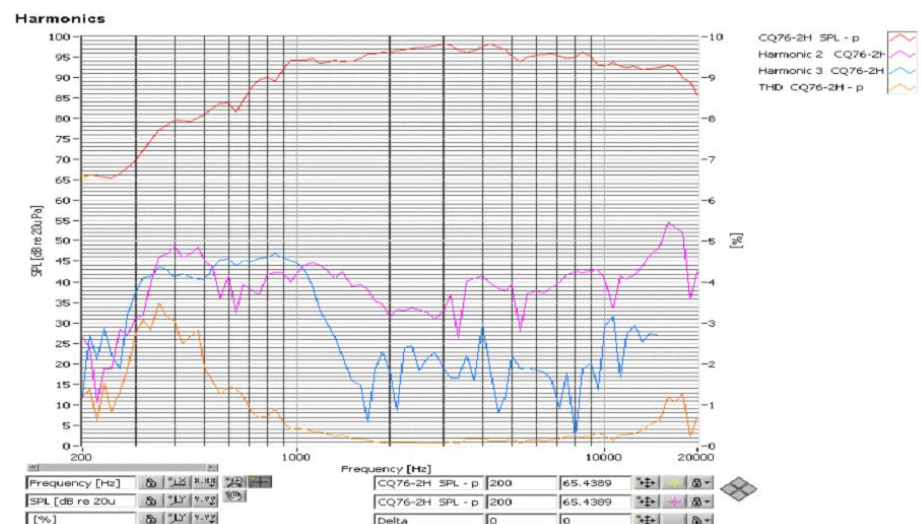


Fig. 4 on axis THD and 2x,3x harmonics from SoundCheck