

## 12HCX76 8 Ω

- 700 W continuous program power capacity
- 60°x40° nominal coverage
- 45 - 18000 Hz response
- 99 dB sensitivity
- Single Neodymium magnet assembly
- Modified exponential horn flare for improved acoustic loading and controlled coverage
- 33 mm (1.3") HF unit exit diameter



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## GENERAL

Nominal Diameter	<b>320 mm (12 in)</b>
Nominal Impedance	<b>8 Ω</b>
Frequency Range	<b>45 Hz - 18000 Hz</b>
Dispersion Angle	<b>60 °</b>
Included by -6 dB down points.	

## PARAMETERS

Fs	<b>42 Hz</b>
Re	<b>5 Ω</b>
Qes	<b>0.2</b>
Qms	<b>8</b>
Qts	<b>0.19</b>
Vas	<b>120 dm<sup>3</sup> (4.2 ft<sup>3</sup>)</b>
Sd	<b>522 cm<sup>2</sup> (80.9 in<sup>2</sup>)</b>
η0	<b>4.1 %</b>
Xvar	<b>6 mm</b>
Mms	<b>47 g</b>
Bl	<b>17.6 Tm</b>
Le	<b>0.8 mH</b>
EBP	<b>210 Hz</b>

## SPECIFICATIONS HF UNIT

Nominal Diameter	<b>320 mm (12 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>8 Ω</b>
Nominal Power Handling	<b>80 W</b>
2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	<b>160 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>107 dB</b>
Applied RMS Voltage is set to 2.83V.	
Recommended Crossover	<b>1.2 kHz</b>
12 dB/oct. or higher slope high-pass filter.	
Voice Coil Diameter	<b>75 mm (3 in)</b>
Winding Material	<b>Aluminium</b>
Inductance	<b>0.14 mH</b>
Flux Density	<b>1.9 T</b>
Diaphragm Material	<b>Titanium</b>

## SPECIFICATIONS LF UNIT

Nominal Diameter	<b>320 mm (12 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.7 Ω</b>
Nominal Power Handling	<b>350 W</b>
2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	<b>700 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>99 dB</b>
Applied RMS Voltage is set to 2.83V.	
Voice Coil Diameter	<b>76 mm (3 in)</b>
Winding Material	<b>Copper</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>16.5 mm (0.65 in)</b>
Magnetic Gap Depth	<b>8 mm (0.31 in)</b>
Flux Density	<b>1.15 T</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>

## DESIGN

Magnet Material	<b>Neodymium Ring</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>

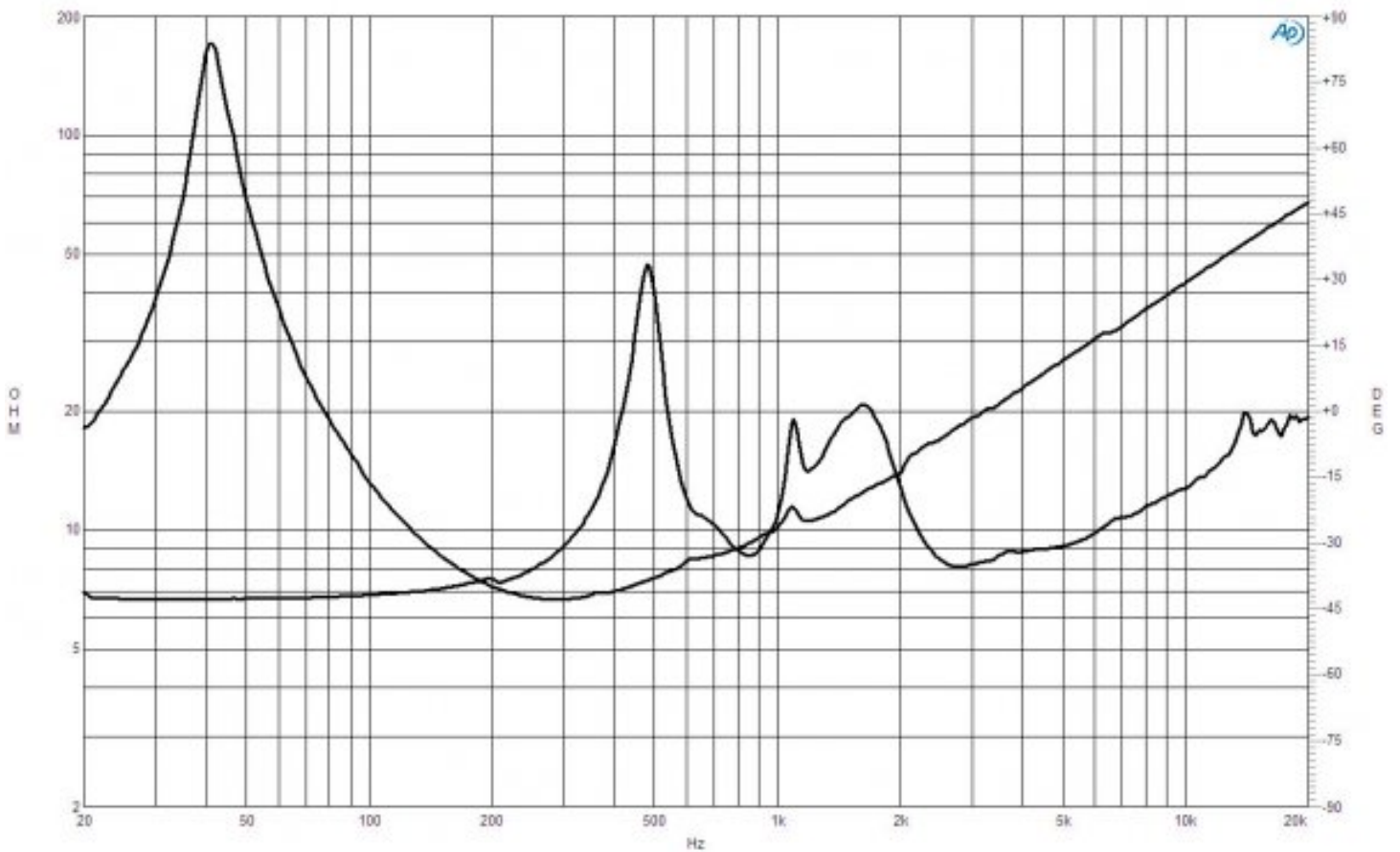
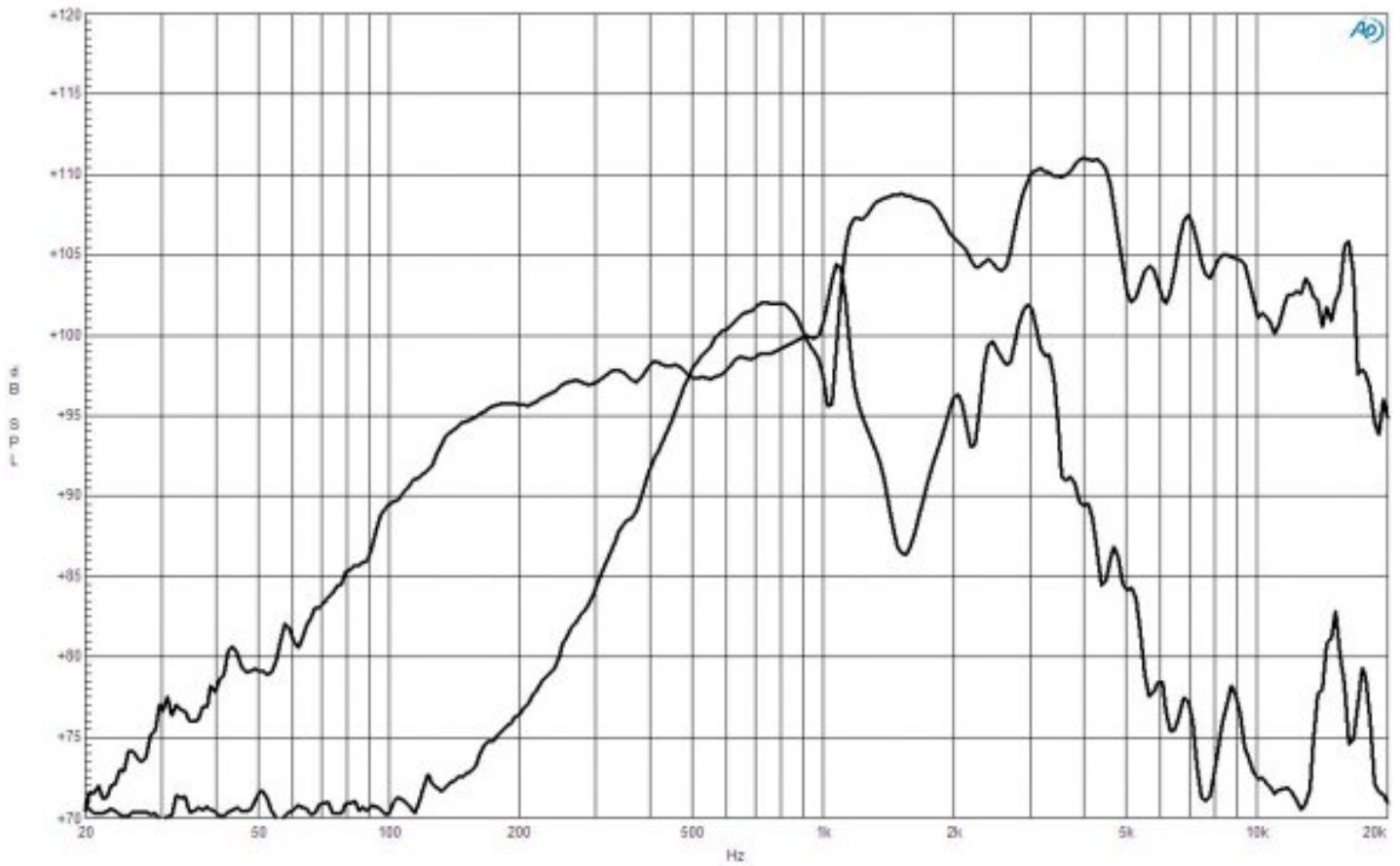
## MOUNTING AND SHIPPING INFO

Overall Diameter	<b>315 mm (12.4 in)</b>
Bolt Circle Diameter	<b>298 mm (11.7 in)</b>
Baffle Cutout Diameter	<b>283 mm (11.14 in)</b>
Depth	<b>168 mm (6.6 in)</b>
Flange and Gasket Thickness	<b>14 mm (0.55 in)</b>
Net Weight	<b>5.3 kg (11.68 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>6.6 kg (14.55 lb)</b>
Shipping Box	<b>425x425x224 mm (16.73x16.73x8.82 in)</b>

## SERVICE KITS

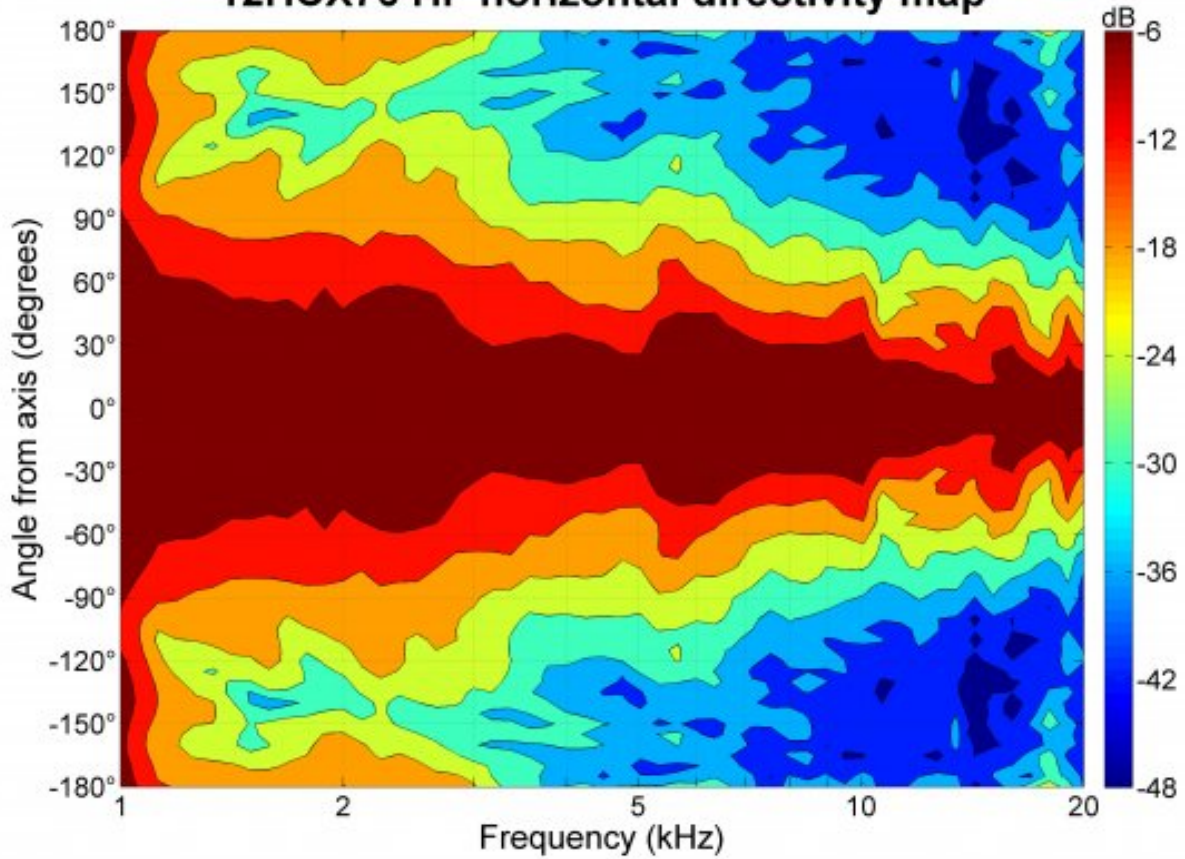
HF replacement-diaphragm	<b>MMD3BTN8M</b>
LF recone-kits	<b>RCK12HCX768</b>

**12HCX76** 8 Ω

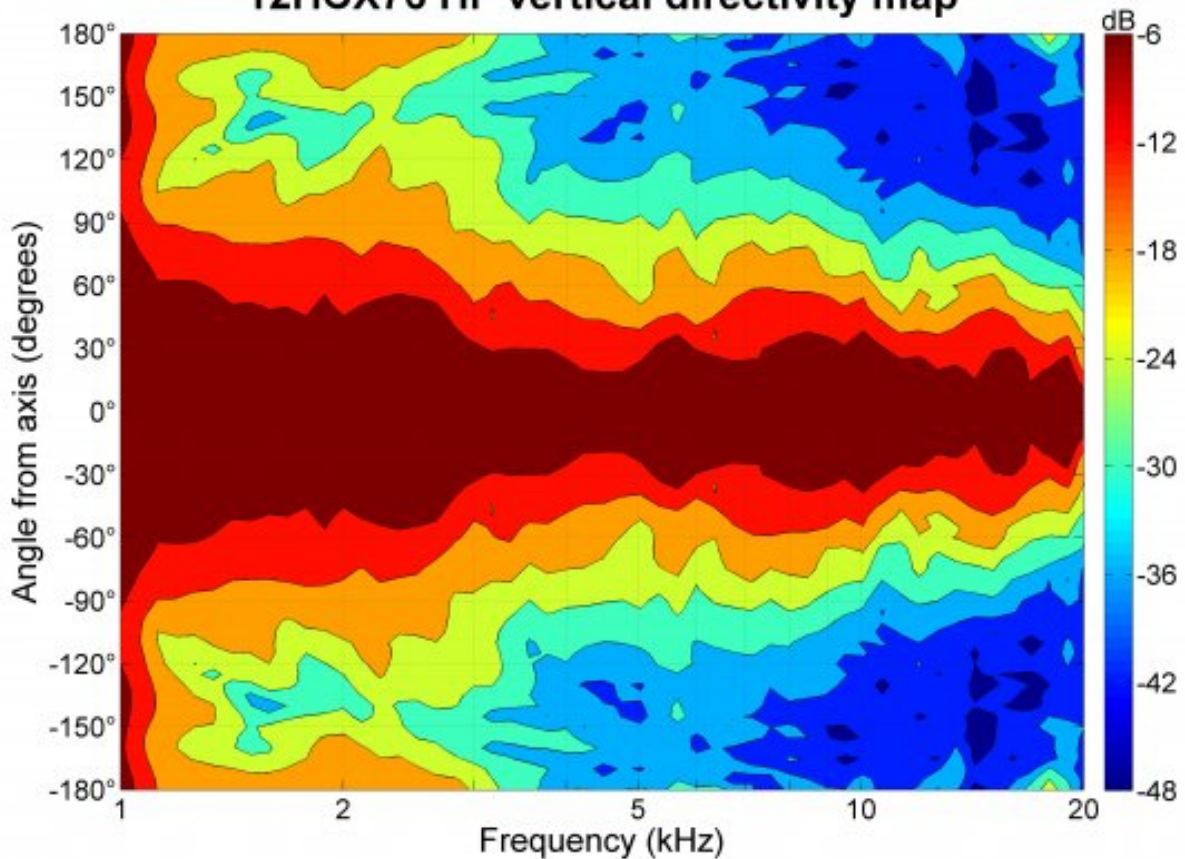


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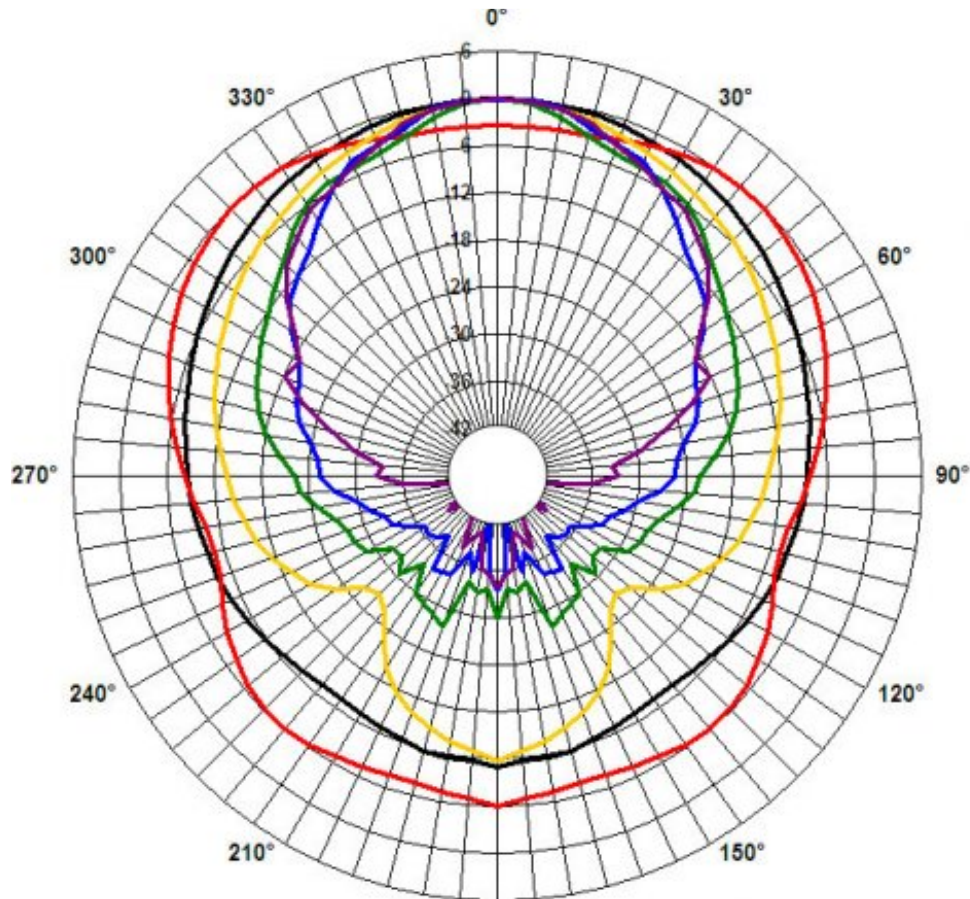
**12HCX76 HF horizontal directivity map**



**12HCX76 HF vertical directivity map**

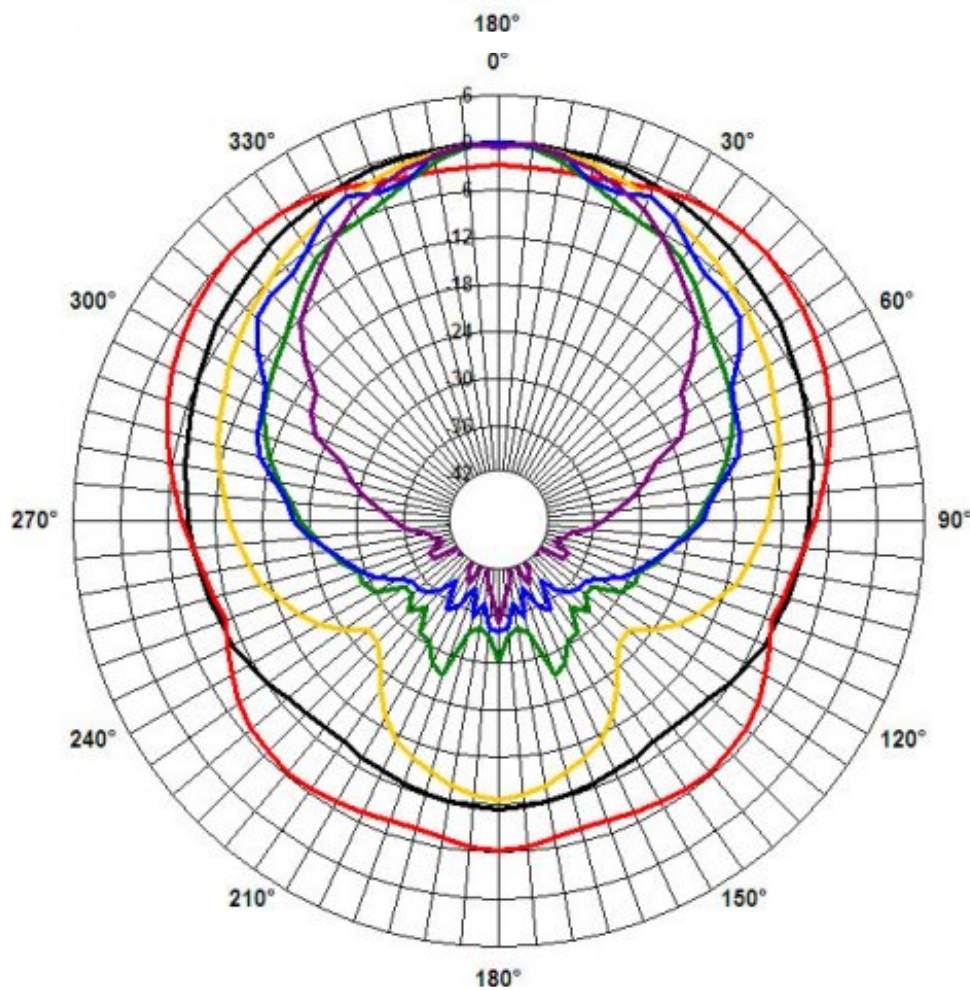


**12HCX76 8 Ω**



**12HCX76  
horizontal**

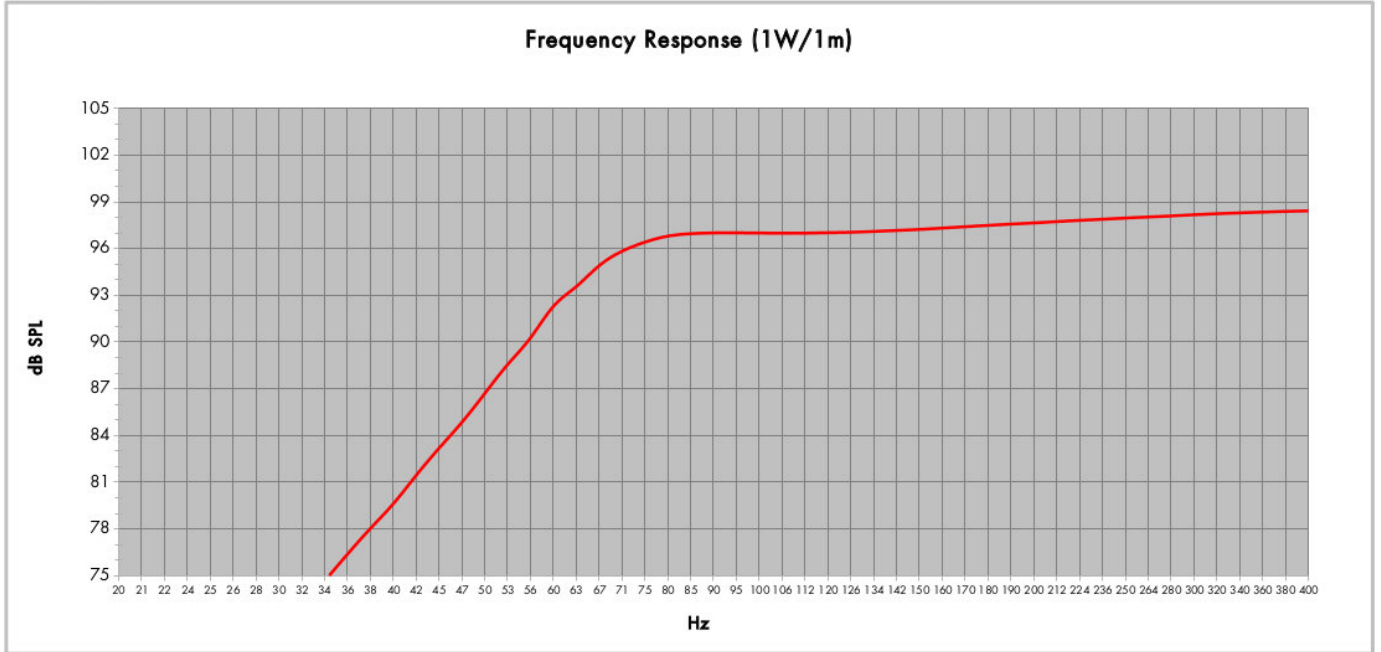
- 500 Hz
- 1 kHz
- 2 kHz
- 4 kHz
- 8 kHz
- 16 kHz



**12HCX76  
vertical**

- 500 Hz
- 1 kHz
- 2 kHz
- 4 kHz
- 8 kHz
- 16 kHz

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Model:	<b>12HCX76</b>	Configuration:	<b>One Driver</b>
Enclosure Type:	<b>Bass Reflex</b>		
Internal Net Volume (Litres):	<b>40</b>	QB:	<b>7</b>
Tuning Frequency (Hz):	<b>65</b>	Port Area (cm <sup>2</sup> ):	<b>138,7</b>
Frequency (-3 dB) (Hz):	<b>70,9</b>	Port Length (cm):	<b>13,1</b>

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