12FHX76 8 Ω

- 700 W continuous program power capacity
- 60°x40° nominal coverage
- 45 - 18000 Hz response
- 98 dB sensitivity
- Modified exponential horn flare for improved acoustic loading and controlled coverage
- 33 mm (1.3”) HF unit exit diameter
- Single Ferrite magnet assembly
- Aluminium demodulating ring allows a very low distortion figure





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GENERAL

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

PARAMETERS

Fs	**48 Hz**
Re	**5.2 Ω**
Qes	**0.36**
Qms	**5.4**
Qts	**0.33**
Vas	**88 dm³ (3.1 ft³)**
Sd	**522 cm² (80.9 in²)**
η0	**2.7 %**
Xvar	**4 mm**
Mms	**47 g**
Bl	**14.4 Tm**
Le	**1.6 mH**
EBP	**133 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.8 Ω**
Nominal Power Handling 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.	**80 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**160 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**106 dB**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**1.2 kHz**
Voice Coil Diameter	**75 mm (3 in)**
Winding Material	**Aluminium**
Inductance	**0.14 mH**
Flux Density	**1.6 T**
Diaphragm Material	**Titanium**

SPECIFICATIONS LF UNIT

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	**350 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**700 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**98 dB**
Voice Coil Diameter	**76 mm (3 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**16.5 mm (0.65 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**1 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

DESIGN

Magnet Material	**Ferrite**
Woofer Cone Treatment	**WP Waterproof Front Side**

MOUNTING AND SHIPPING INFO

Overall Diameter	**315 mm (12.4 in)**
Bolt Circle Diameter	**298 mm (11.7 in)**
Baffle Cutout Diameter	**284 mm (11.14 in)**
Depth	**169 mm (6.65 in)**
Flange and Gasket Thickness	**13 mm (0.51 in)**
Net Weight	**8.4 kg (18.52 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**9.7 kg (21.38 lb)**
Shipping Box	**425x425x224 mm (16.73x16.73x8.82 in)**

SERVICE KITS

HF replacement-diaphragm	**MMD3BTN8M**
LF recone-kits	**RCK12FHX768**

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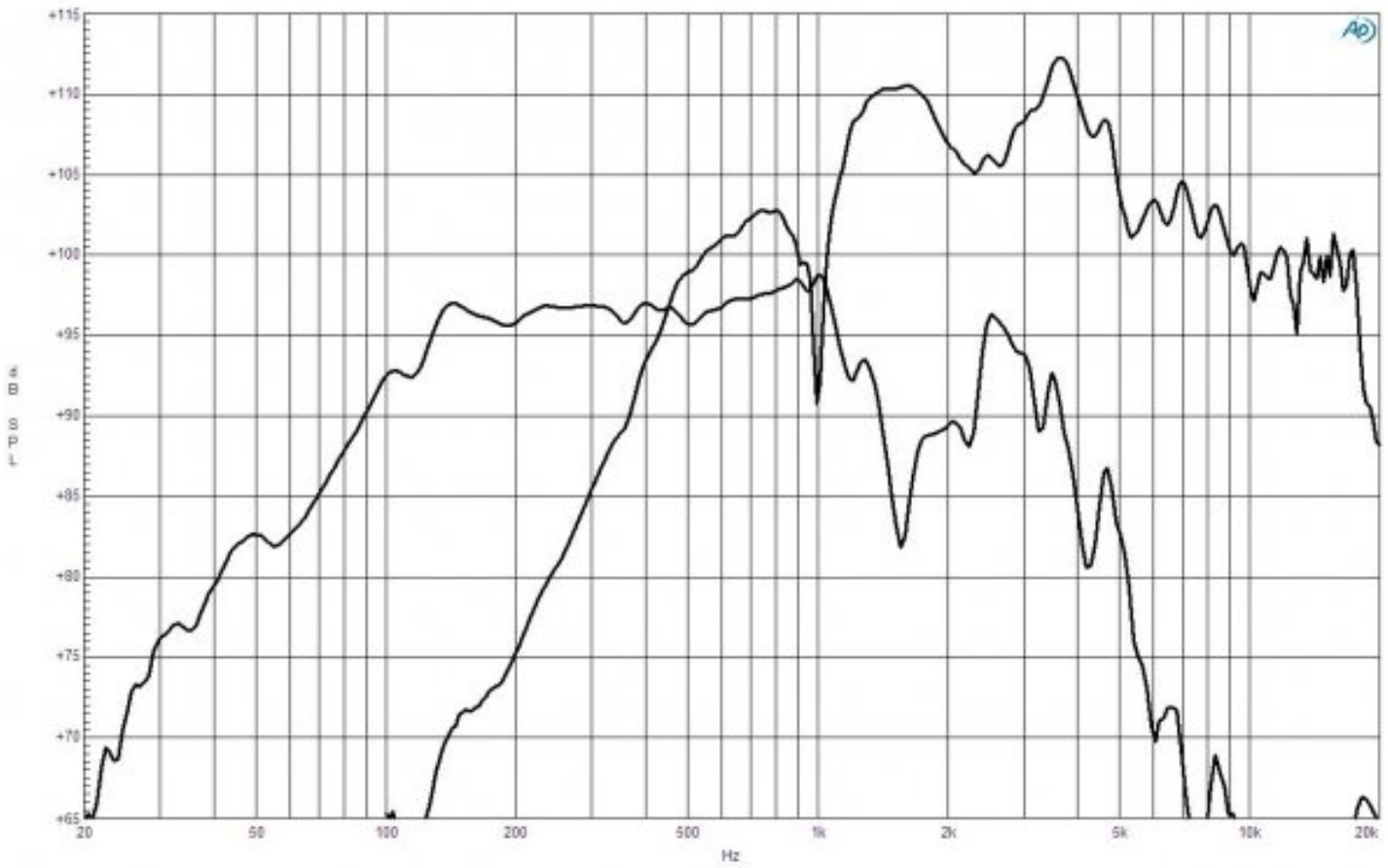
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+110
+105
+100
+95
+90
+85
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dB SPL
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100
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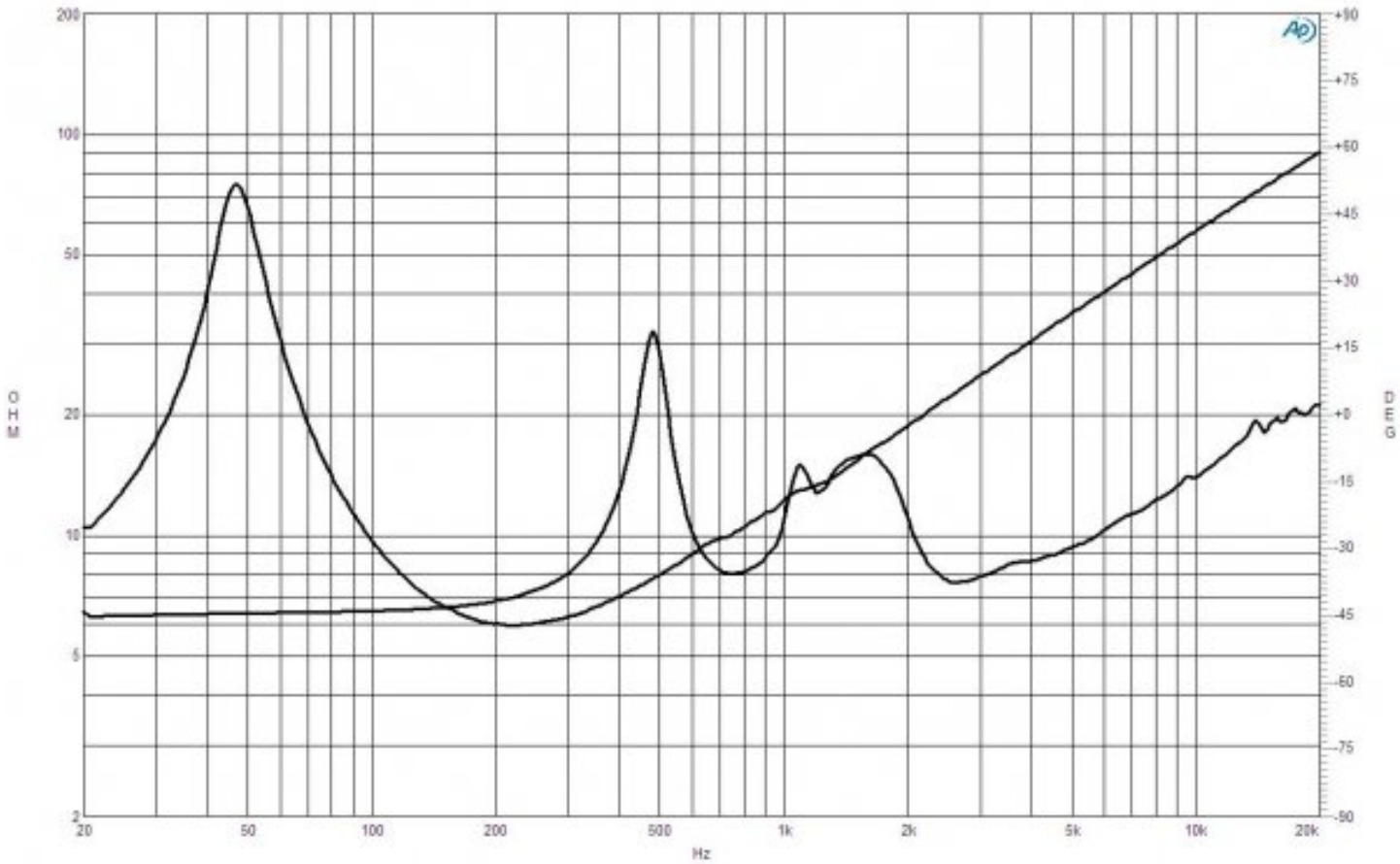
2k
5k
10k
20k
Hz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50
20
10
5
2
OHM
+90
+75
+60
+45
+30
+15
+0
-15
-30
-45
-60
-75
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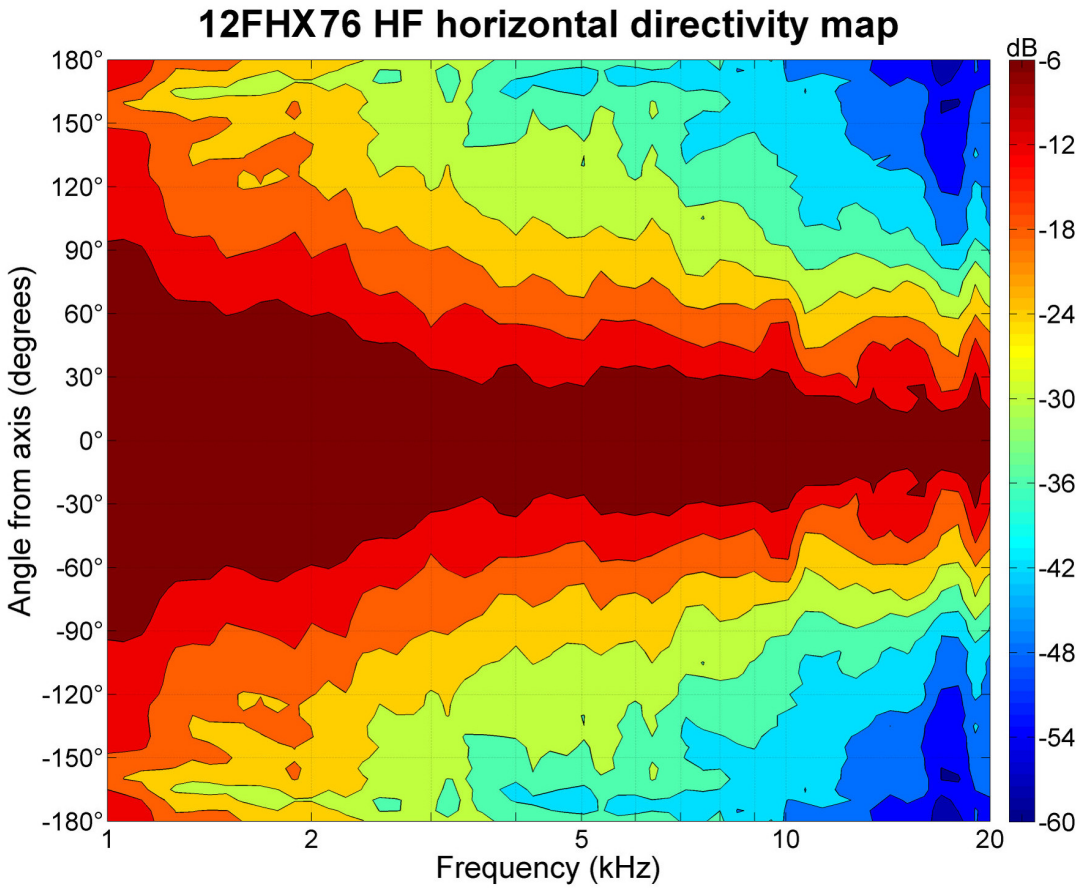
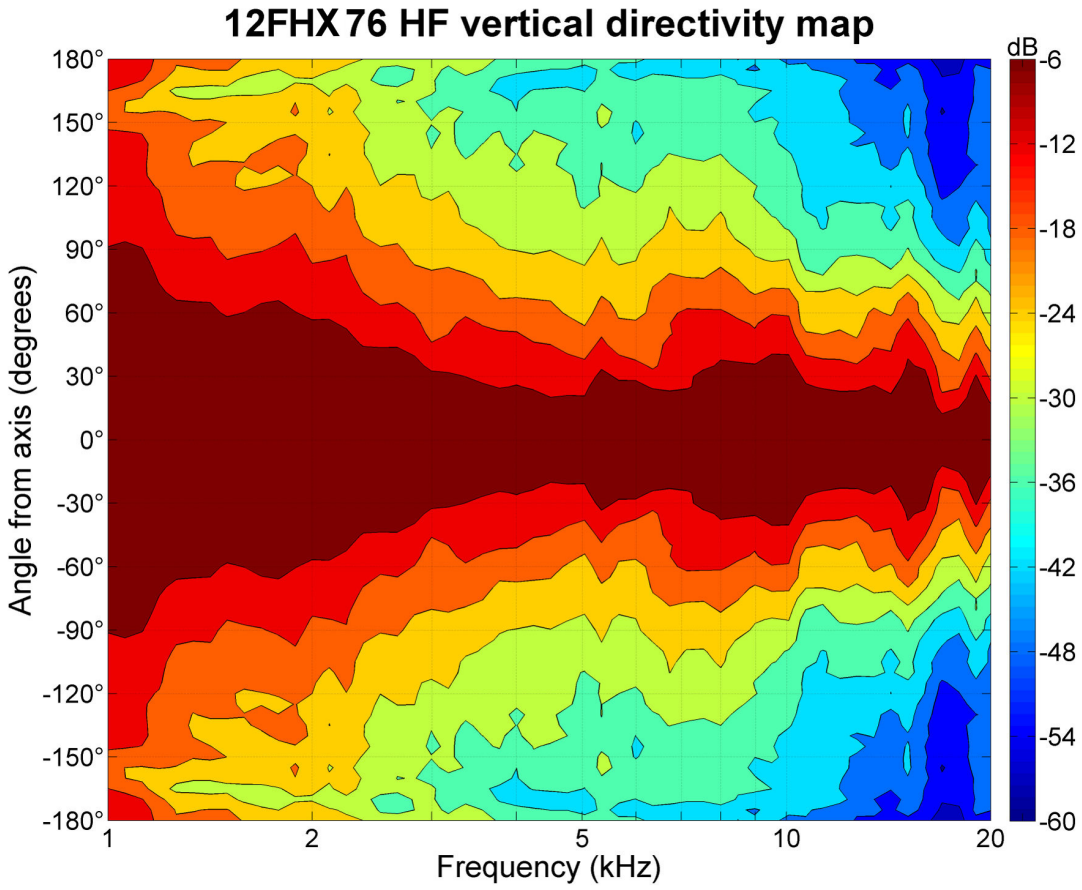
20k
Hz

12FHX76 8 Ω





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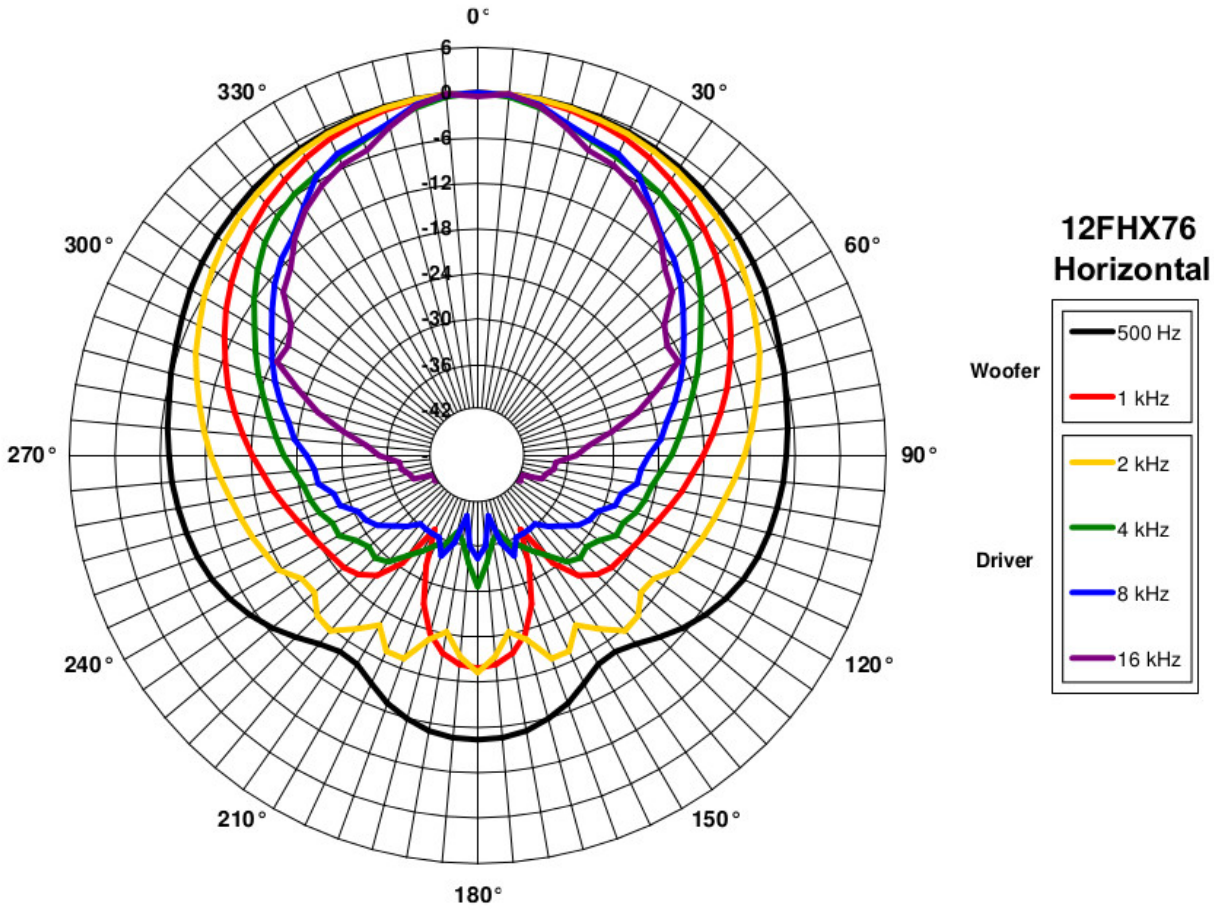

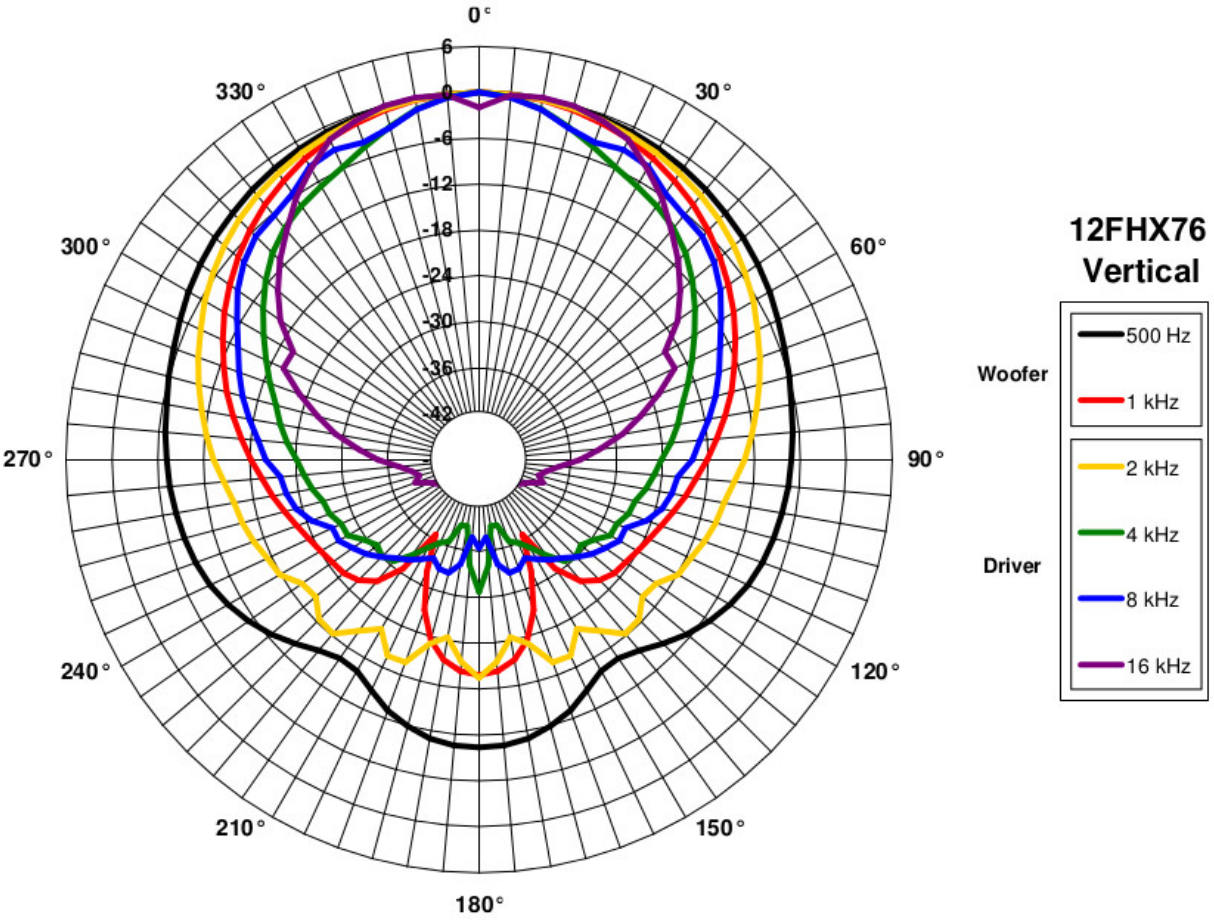

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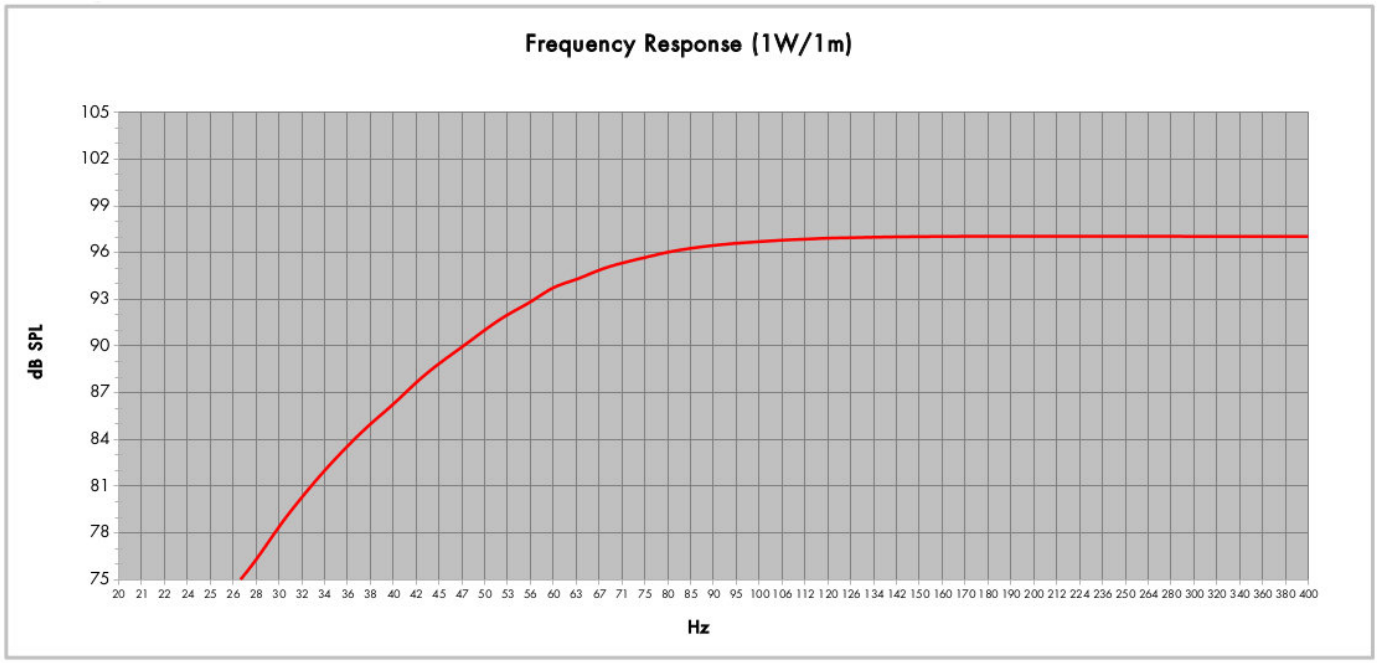

Model:	**12FHX76**		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**50**	QB:	***7***
Tuning Frequency (Hz):	**50**	Port Area (cm^2):	**138,7**
Frequency (-3 dB) (Hz):	**61,5**	Port Length (cm):	**21,8**

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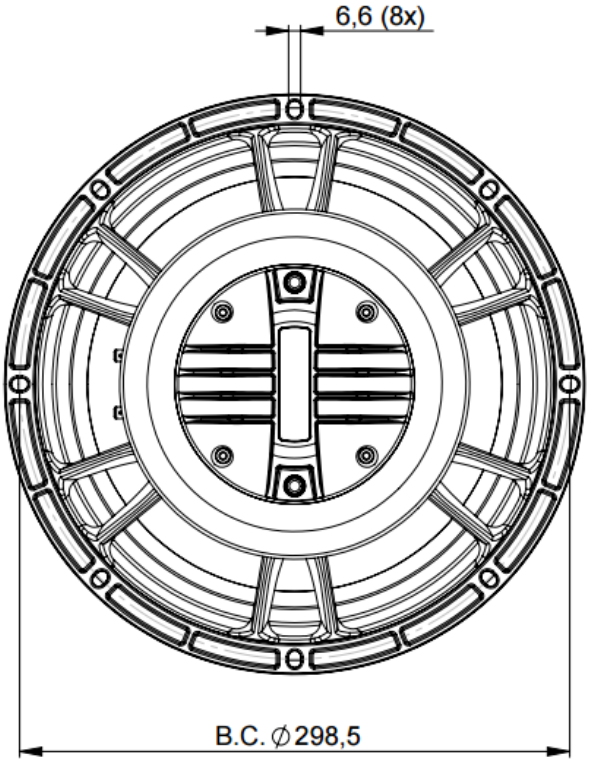

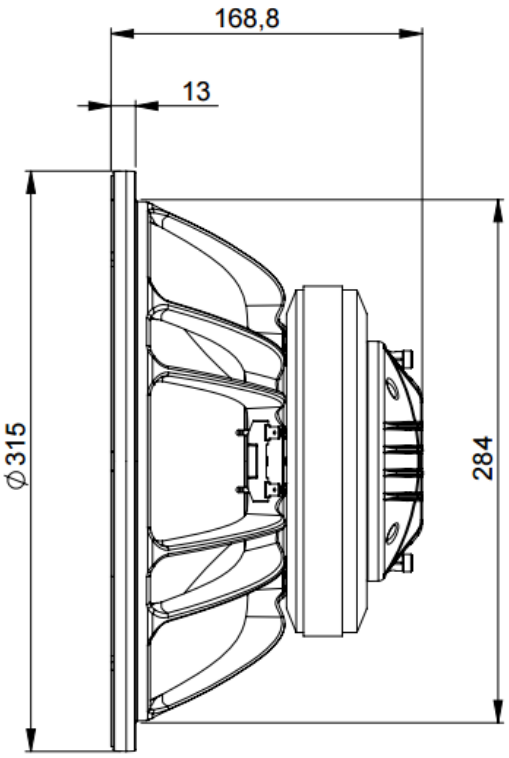

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