18HTX100 8 Ω

- 100 dB (LF), 110 dB (MF/HF - DCX464) sensitivity
- 1600 W continuous program power capacity
- 60°x40° nominal coverage
- 44 - 18000 Hz response
- FEA optimized horn flare for improved acoustic loading and controlled coverage
- Double silicone spider with optimized compliance
- Aluminium demodulating ring for very low distortion

Point Source, Perfected. We didn't invent the triaxial, but we did perfect it. Combining a high-power, wide bandwidth 18" woofer with our most powerful compression driver creates clarity and impact at any distance. Inherently time aligned, easy to integrate using our FB464V2 passive crossover for the mid/high, and clean off axis response thanks to our new 600Hz horn. What more could you hope for?





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GENERAL

Nominal Diameter	**460 mm (18 in)**
Frequency Range	**44 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**60 °**

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	**44 Hz**
Re	**5.4 Ω**
Qes	**0.34**
Qms	**6.3**
Qts	**0.32**
Vas	**173 dm³ (6.11 ft³)**
Sd	**1210 cm² (187.55 in²)**
η0	**4.3 %**
Xvar	**13 mm**
Mms	**158.5 g**
Bl	**26.3 Tm**
Le	**1.16 mH**
EBP	**129 Hz**

SPECIFICATIONS LF UNIT

Nominal Impedance	**8 Ω**
Minimum Impedance	**6.6 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.	**800 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**1600 W**
Sensitivity Applied RMS Voltage is set to 2.83V	**100 dB**
Frequency Range	**44 Hz - 800 Hz**
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**25.1 mm (1 in)**
Magnetic Gap Depth	**10.2 mm (0.4 in)**
Flux Density	**1.5 T**
Woofer Cone Treatment	**TWP Waterproof Both Sides**

SPECIFICATIONS MF UNIT

Nominal Impedance	**8 Ω**
Minimum Impedance	**6 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.	**110 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**220 W**
Sensitivity Applied RMS Voltage is set to 2.83V	**110 dB**
Frequency Range	**0.5 kHz - 5.5 kHz**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**0.6 kHz**
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	**Aluminium**
Inductance	**0.21 mH**
Flux Density	**1.9 T**
Diaphragm Material	**HT Polymer Ring**

SPECIFICATIONS HF UNIT

Nominal Impedance	**8 Ω**
Minimum Impedance	**9 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.	**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	**110 dB**
Frequency Range	**3.5 kHz - 18 kHz**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**4 kHz**
Voice Coil Diameter	**65 mm (2.5 in)**
Winding Material	**Aluminium**
Inductance	**0.1 mH**
Flux Density	**2.14 T**
Diaphragm Material	**HT Polymer Ring**

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DESIGN

Magnet Material	**Neodymium Ring**
Woofer Cone Treatment	**TWP Waterproof Both Sides**

MOUNTING AND SHIPPING INFO

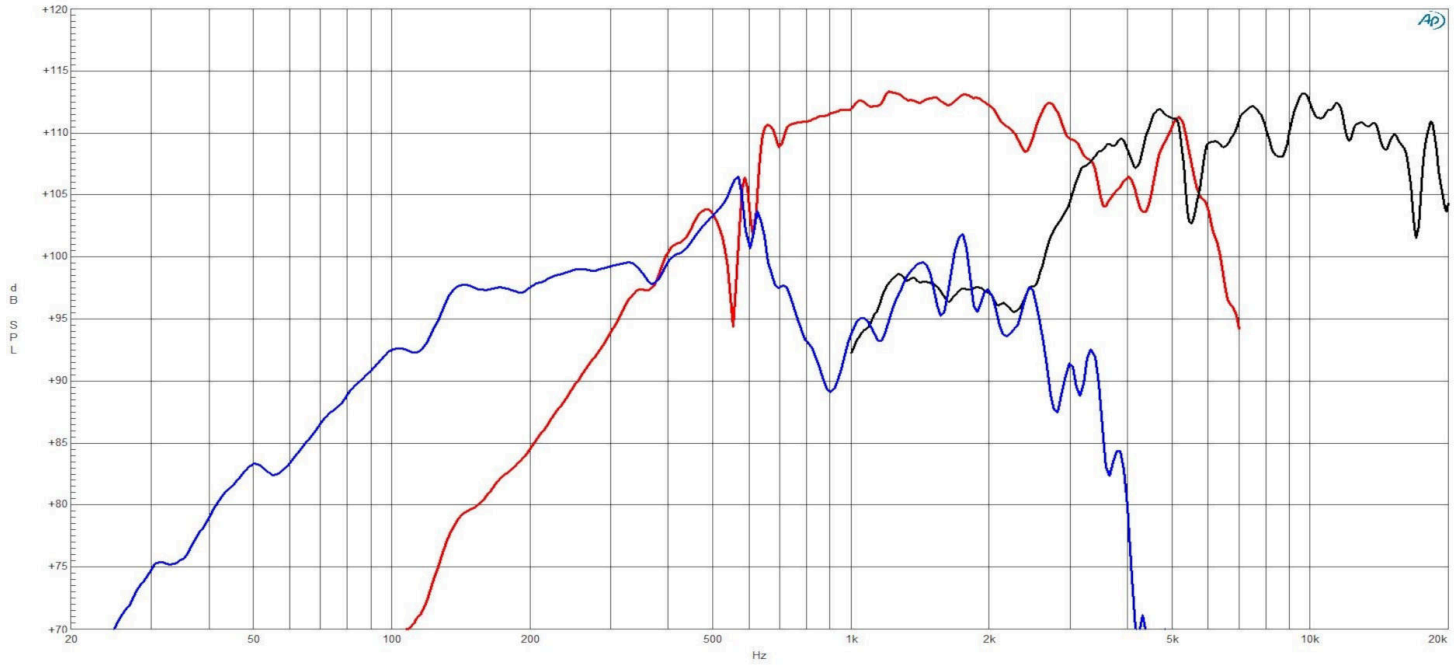
Overall Diameter	**460 mm (18.11 in)**
Bolt Circle Diameter	**440 mm (17.32 in)**
Baffle Cutout Diameter	**423 mm (16.65 in)**
Depth	**299 mm (11.77 in)**
Flange and Gasket Thickness	**16 mm (0.63 in)**
Net Weight	**12.65 kg (27.89 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**14.55 kg (32.08 lb)**
Shipping Box	**570x570x340 mm (22.44x22.44x13.39 in)**

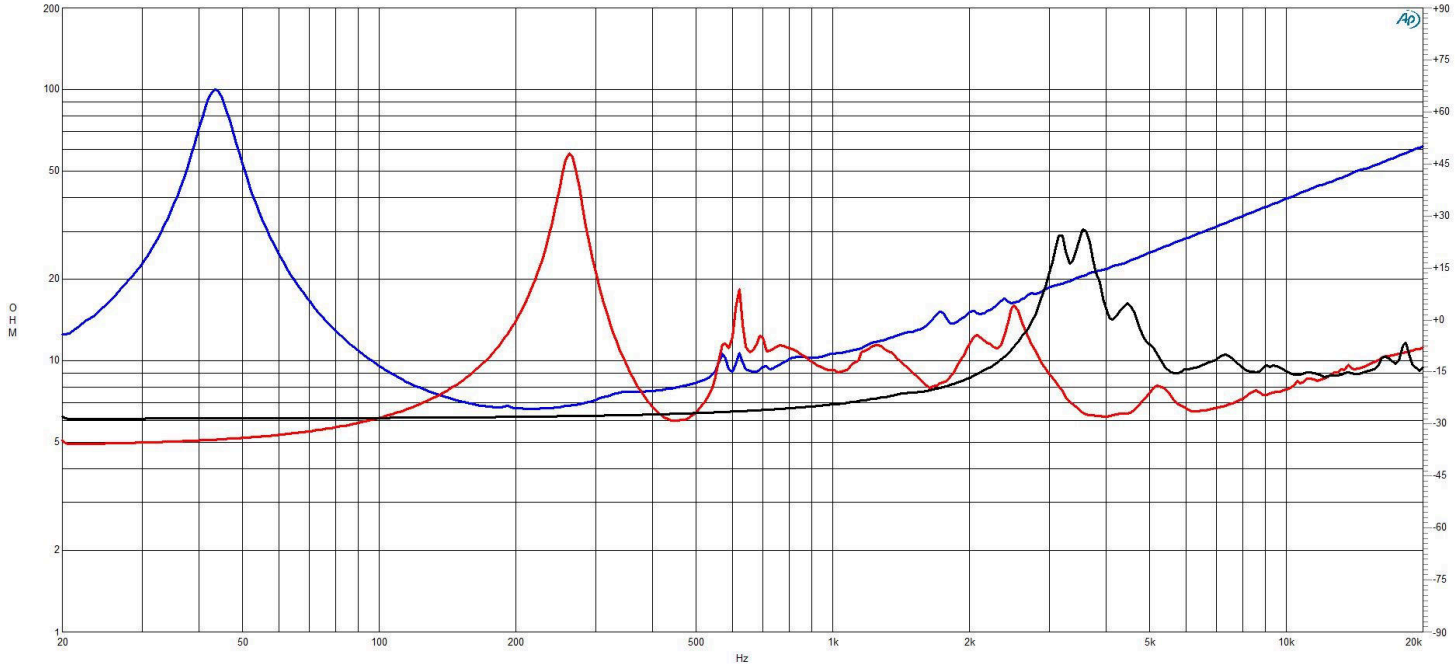
SERVICE KITS

HF replacement-diaphragm	**MMDDCX464HF8**
LF recone-kits	**RCK18HTX1008**
MF replacement-diaphragm	**MMDDCX464MF8**

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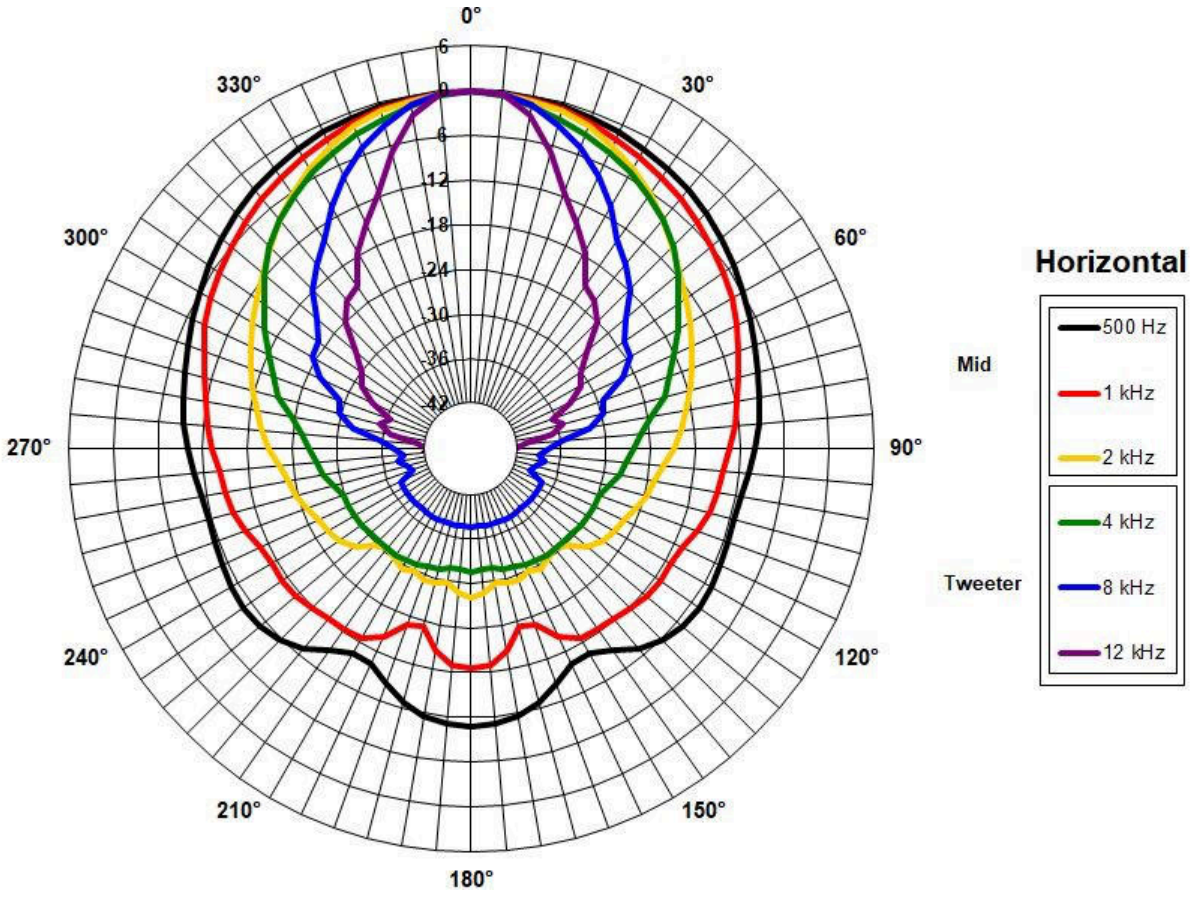
18HTX100 8 Ω

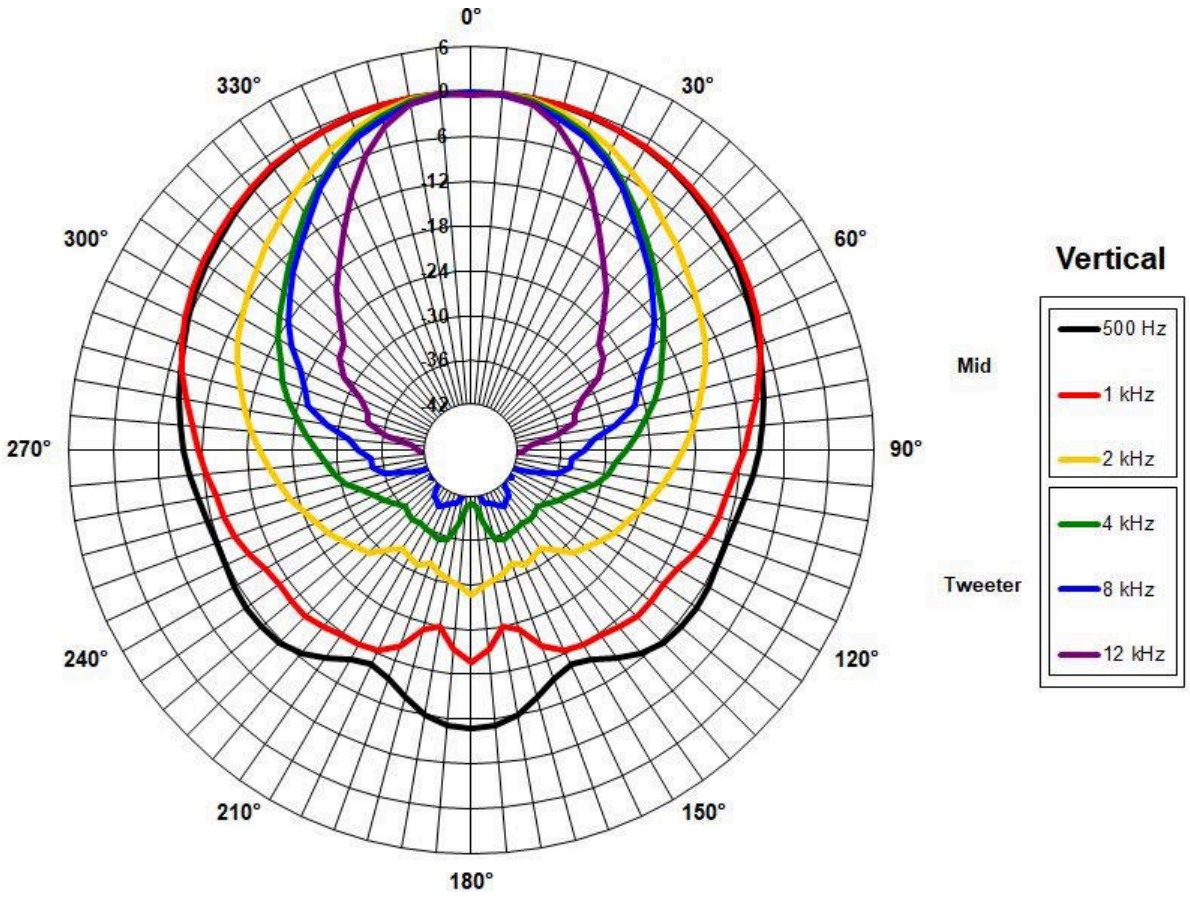




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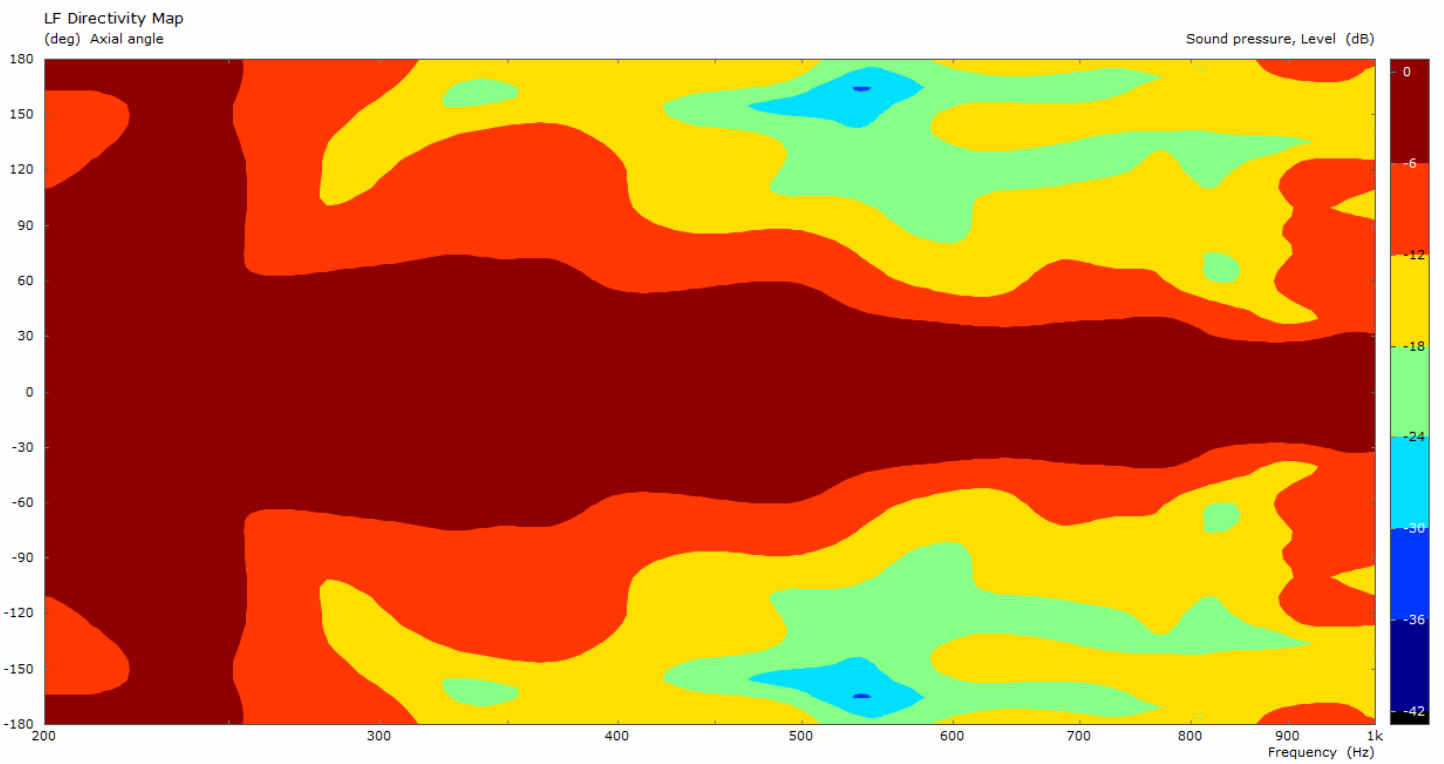
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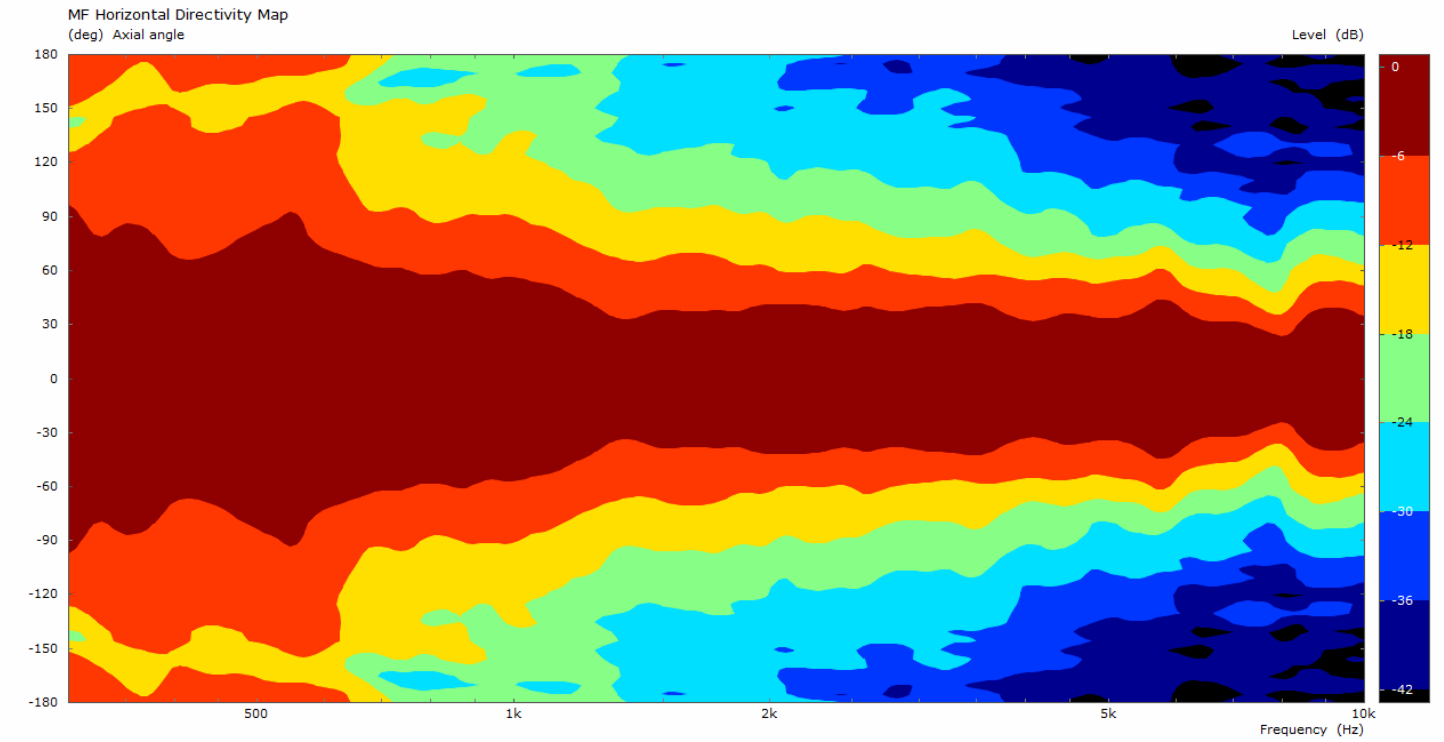




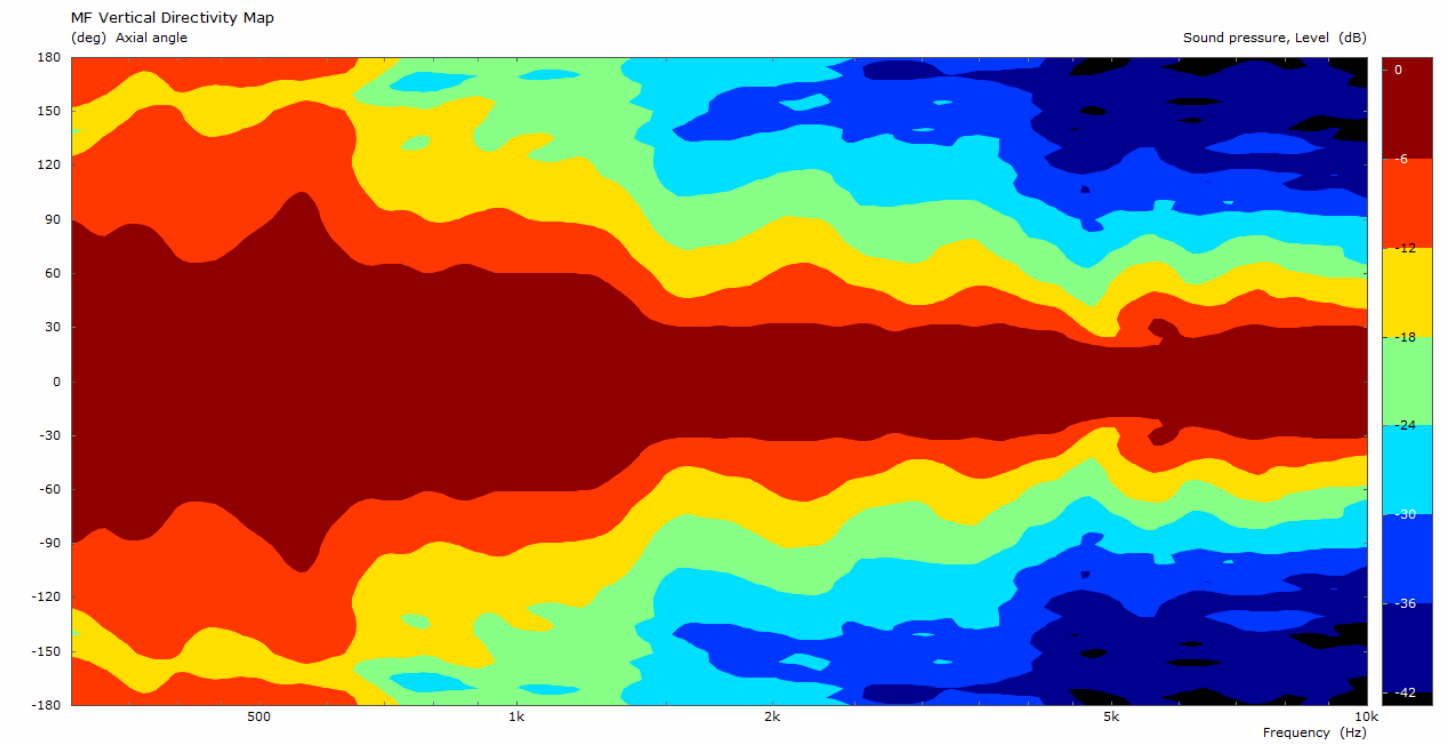
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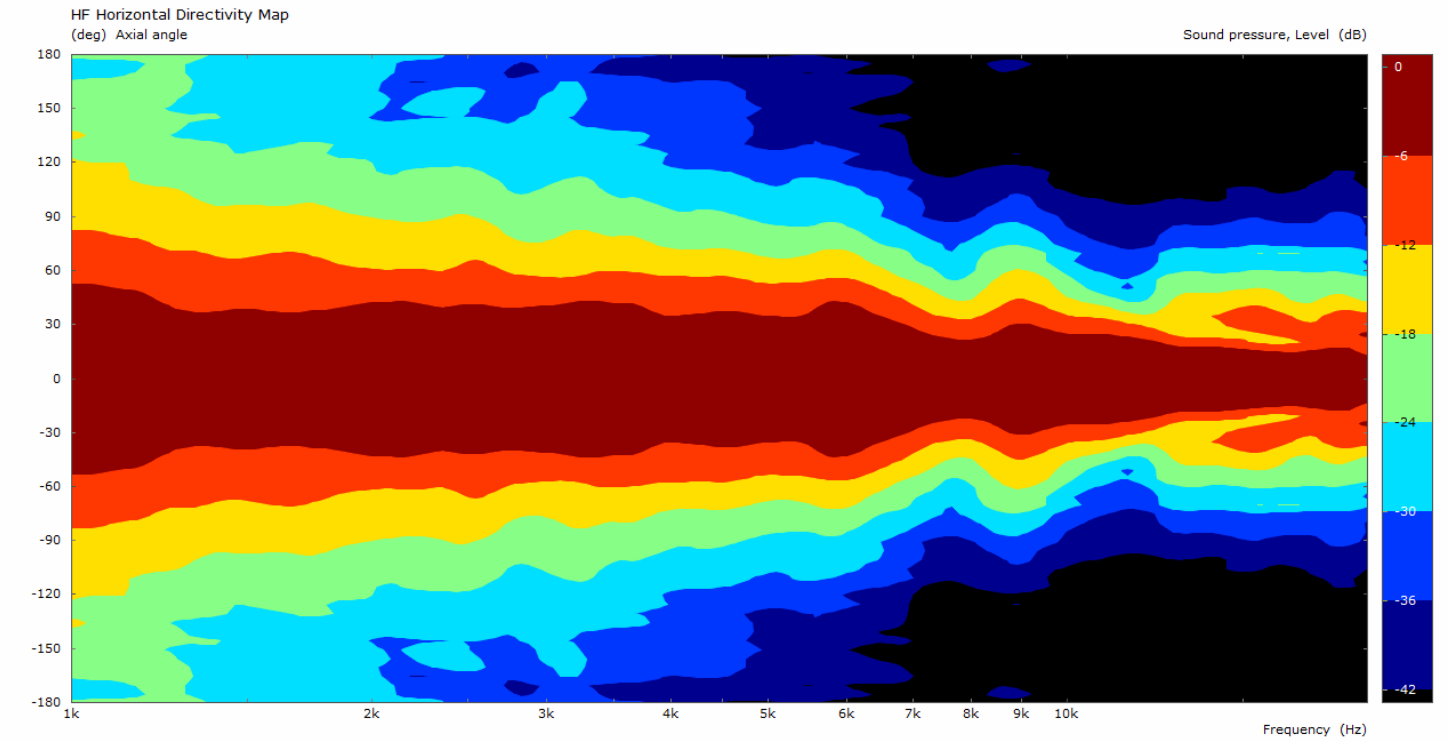
18HTX100 8 Ω


LF Directivity Map
(deg) Axial angle
Sound pressure, Level (dB)
180
150
120
90
60
30
0
-30
-60
-90
-120
-150
-180
200
300
400
500
600
700
800
900
1k
Frequency (Hz)
0
-6
-12
-18
-24
-30
-36
-42

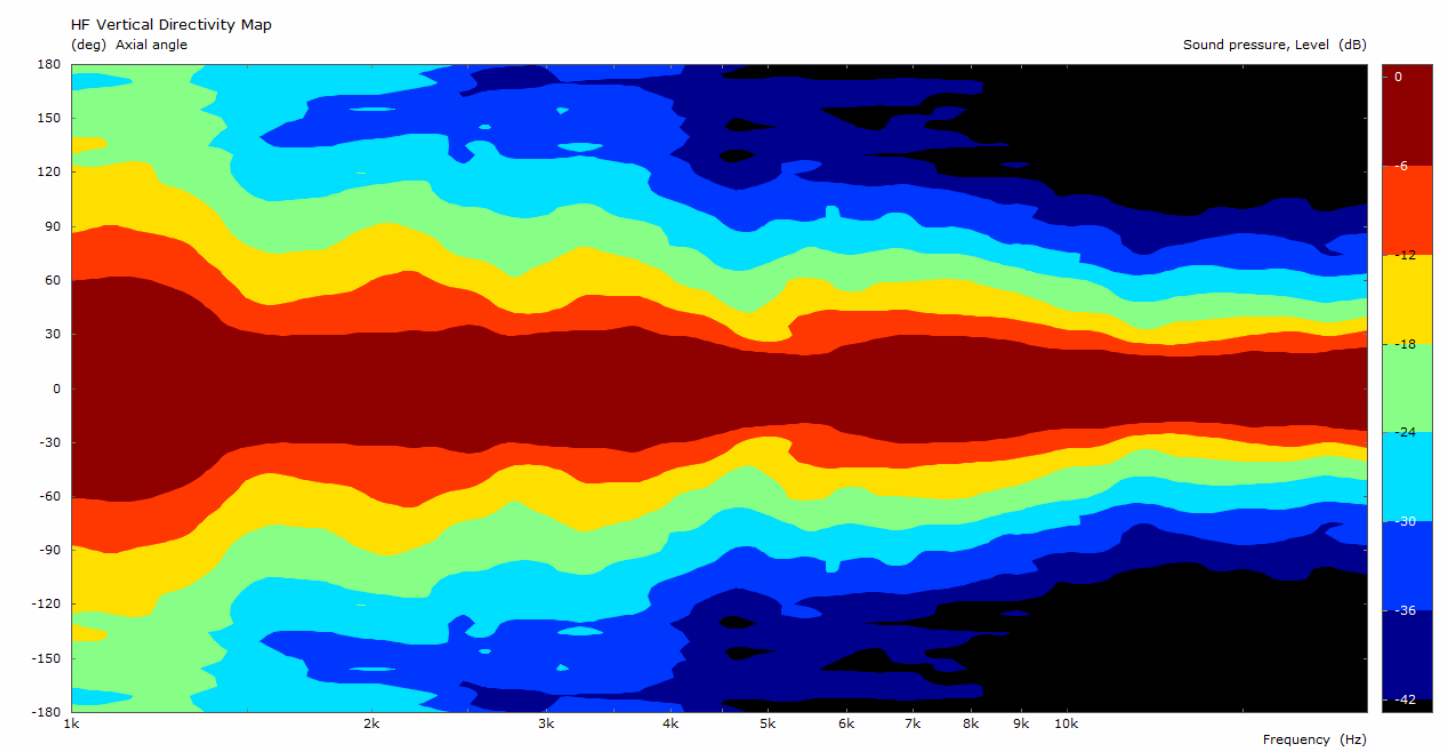

MF Horizontal Directivity Map
(deg) Axial angle
Level (dB)
180
150
120
90
60
30
0
-30
-60
-90
-120
-150
-180
500
1k
2k
5k
10k
Frequency (Hz)
0
-6
-12
-18
-24
-30
-36
-42

18HTX100 8 Ω

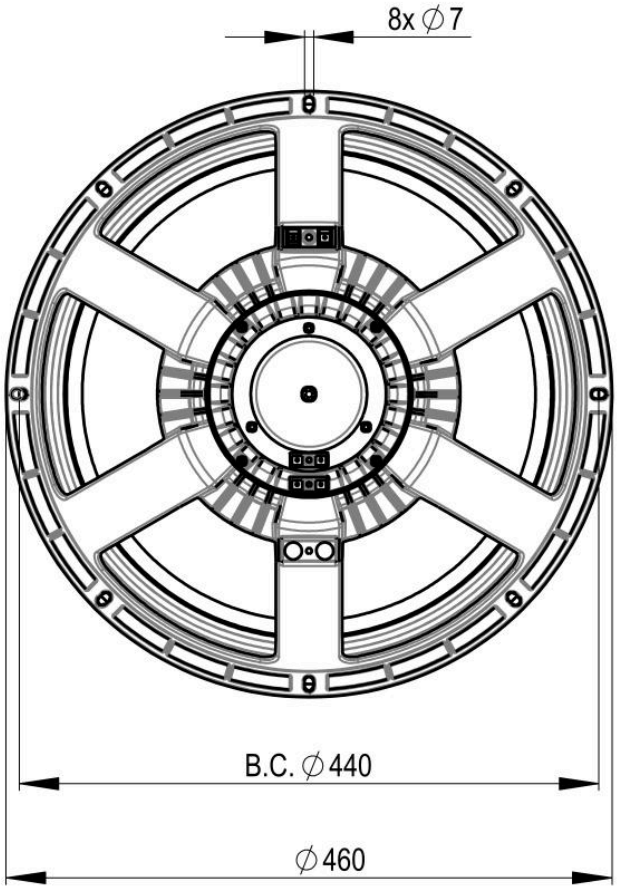

MF Vertical Directivity Map
(deg) Axial angle
Sound pressure, Level (dB)
180
150
120
90
60
30
0
-30
-60
-90
-120
-150
-180
500
1k
2k
5k
10k
Frequency (Hz)
0
-6
-12
-18
-24
-30
-36
-42

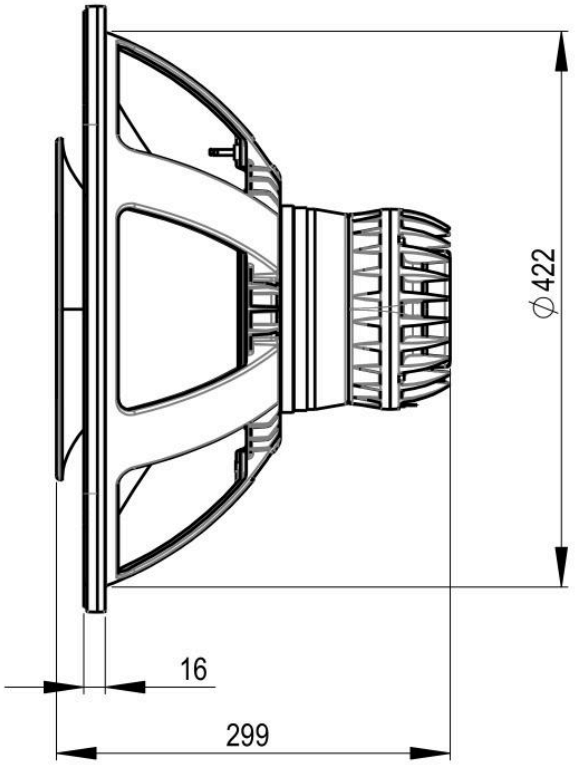

HF Horizontal Directivity Map
(deg) Axial angle
Sound pressure, Level (dB)
180
150
120
90
60
30
0
-30
-60
-90
-120
-150
-180
1k
2k
3k
4k
5k
6k
7k
8k
9k
10k
Frequency (Hz)
0
-6
-12
-18
-24
-30
-36
-42

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HF Vertical Directivity Map
(deg) Axial angle
Sound pressure, Level (dB)
180
150
120
90
60
30
0
-30
-60
-90
-120
-150
-180
1k
2k
3k
4k
5k
6k
7k
8k
9k
10k
Frequency (Hz)
0
-6
-12
-18
-24
-30
-36
-42

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