

15HTX100 8 Ω

- 99 dB (LF), 108.5 dB (MF/HF - DCX354) sensitivity
- 1600 W continuous program power capacity
- 60°x40° nominal coverage
- 52 - 20000 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

We know it's not correct to call the 15HTX100 a tri-axial, but it's one more than a co-axial. A new exponential cone combined with an iteratively optimized 600Hz horn provides the same wide crossover overlap for the low and mid bandpasses as our DCX354 driver offers in the mid and high bandpasses. Unheard of flexibility, point source impact, and controlled off-axis behavior. Ready to drop in to your most daring applications.



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GENERAL

Nominal Diameter	380 mm (15 in)
Frequency Range	52 Hz - 20000 Hz
Dispersion Angle	60 °
Horizontal, included by -6 dB down points.	
Woofer Cone Treatment	TWP Waterproof Both Sides

PARAMETERS

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

Fs	52 Hz
Re	5.5 Ω
Qes	0.305
Qms	5.9
Qts	0.29
Vas	78 dm³ (2.75 ft³)
Sd	855 cm² (132.5 in²)
η0	3.5 %
Xmax	10 mm (0.4 in)
Xvar	8.5 mm
Mms	125 g
Bl	27 Tm
Le	0.9 mH
EBP	170 Hz

SPECIFICATIONS LF UNIT

Nominal Impedance	8 Ω
Minimum Impedance	7 Ω
Nominal Power Handling	800 W
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	1600 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	99 dB
Applied RMS Voltage is set to 2.83V	
Frequency Range	52 Hz - 1000 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

SPECIFICATIONS MF UNIT

Nominal Impedance	8 Ω
Minimum Impedance	7.5 Ω
Nominal Power Handling	90 W
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.	
Continuous Power Handling	180 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	108.5 dB
Applied RMS Voltage is set to 2.83V	
Frequency Range	0.5 kHz - 5.5 kHz
Recommended Crossover	0.7 kHz
12 dB/oct. or higher slope high-pass filter.	
Voice Coil Diameter	76 mm (3 in)
Winding Material	Aluminium
Inductance	0.26 mH
Flux Density	1.9 T
Diaphragm Material	HT Polymer Ring

SPECIFICATIONS HF UNIT

Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Nominal Power Handling	50 W
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.	
Continuous Power Handling	100 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	108.5 dB
Applied RMS Voltage is set to 2.83V	
Frequency Range	5 kHz - 20 kHz
Recommended Crossover	4.5 kHz
12 dB/oct. or higher slope high-pass filter.	
Voice Coil Diameter	51 mm (2 in)
Winding Material	Aluminium
Inductance	0.1 mH
Flux Density	1.95 T
Diaphragm Material	HT Polymer Ring

15HTX100 8 Ω**DESIGN**

Surround Shape	Triple Roll
Cone Shape	Curvilinear
Magnet Material	Neodymium Ring
Spider	Double Silicone
Pole Design	T-Pole
Woofers Cone Treatment	TWP Waterproof Both Sides
Recommended Loading	Vented Box
Cone Material	Treated Paper

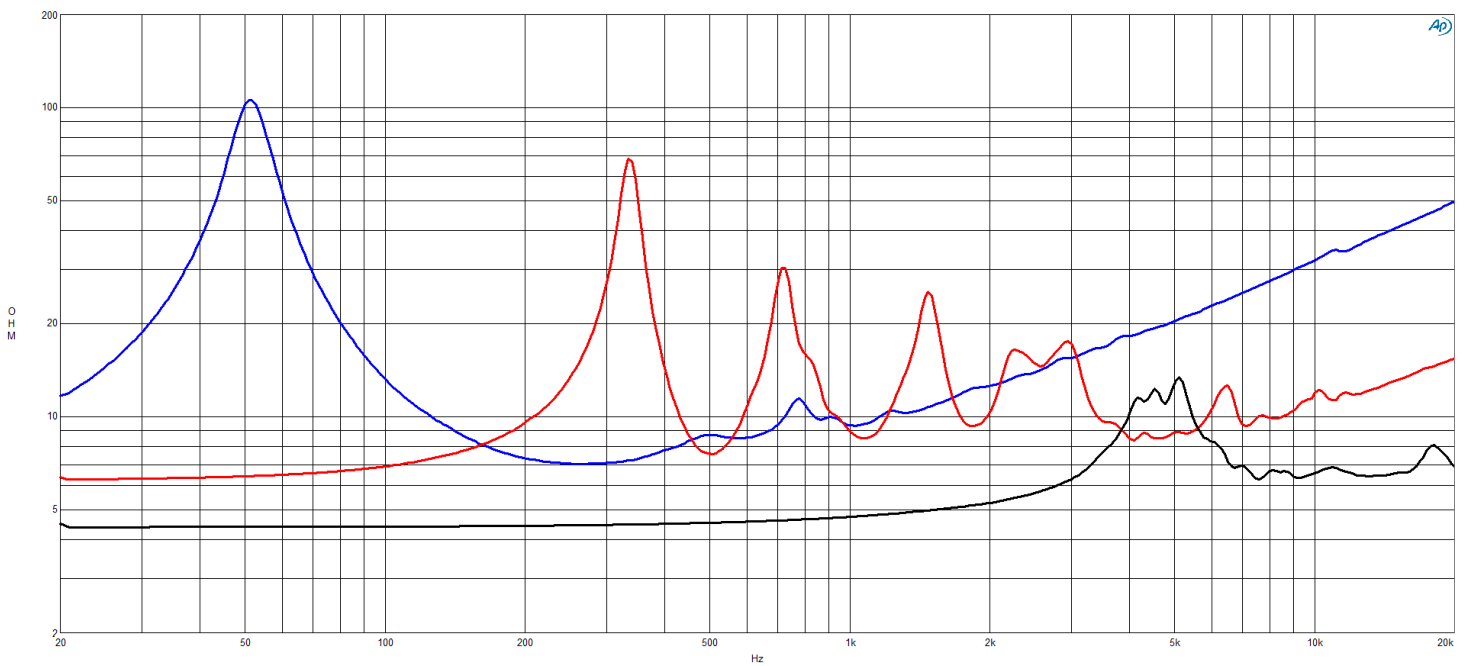
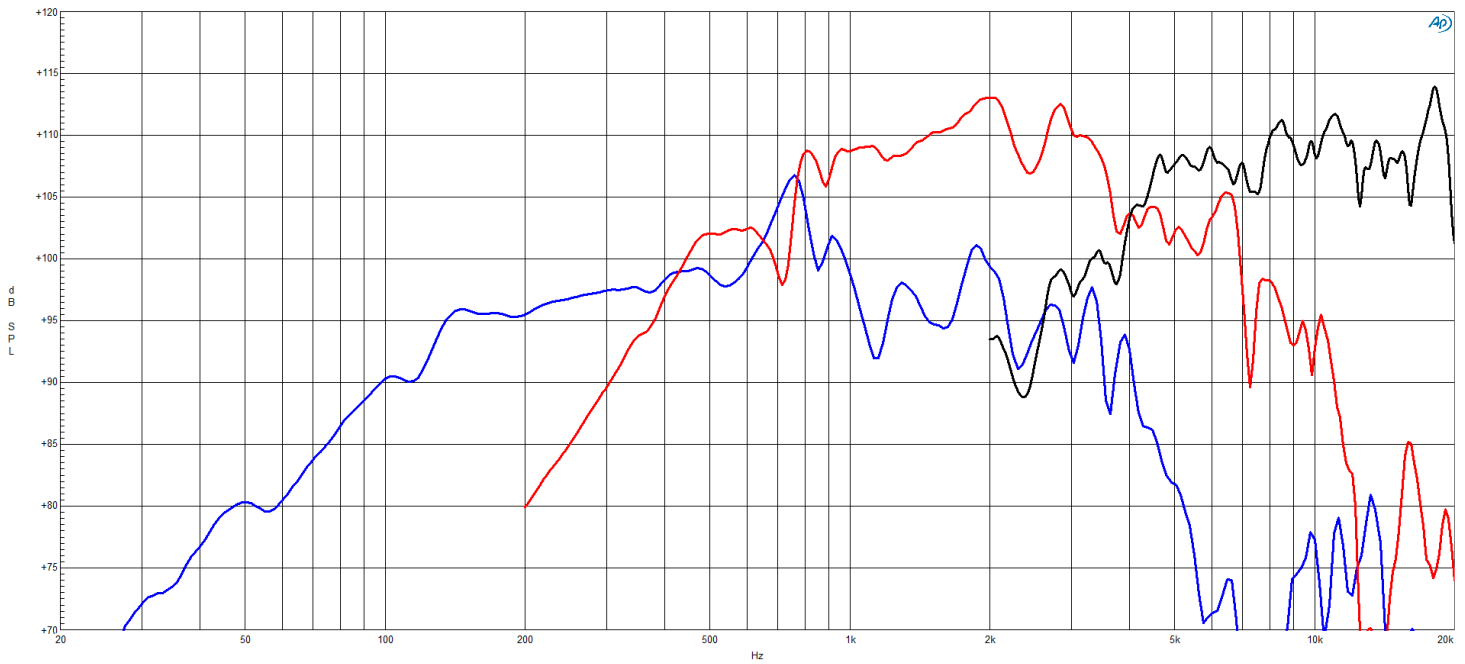
MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	372 mm (14.65 in)
Baffle Cutout Diameter	355 mm (14 in)
Depth	261 mm (10.28 in)
Flange and Gasket Thickness	15 mm (0.6 in)
Net Weight	10.8 kg (23.8 lb)

SERVICE KITS

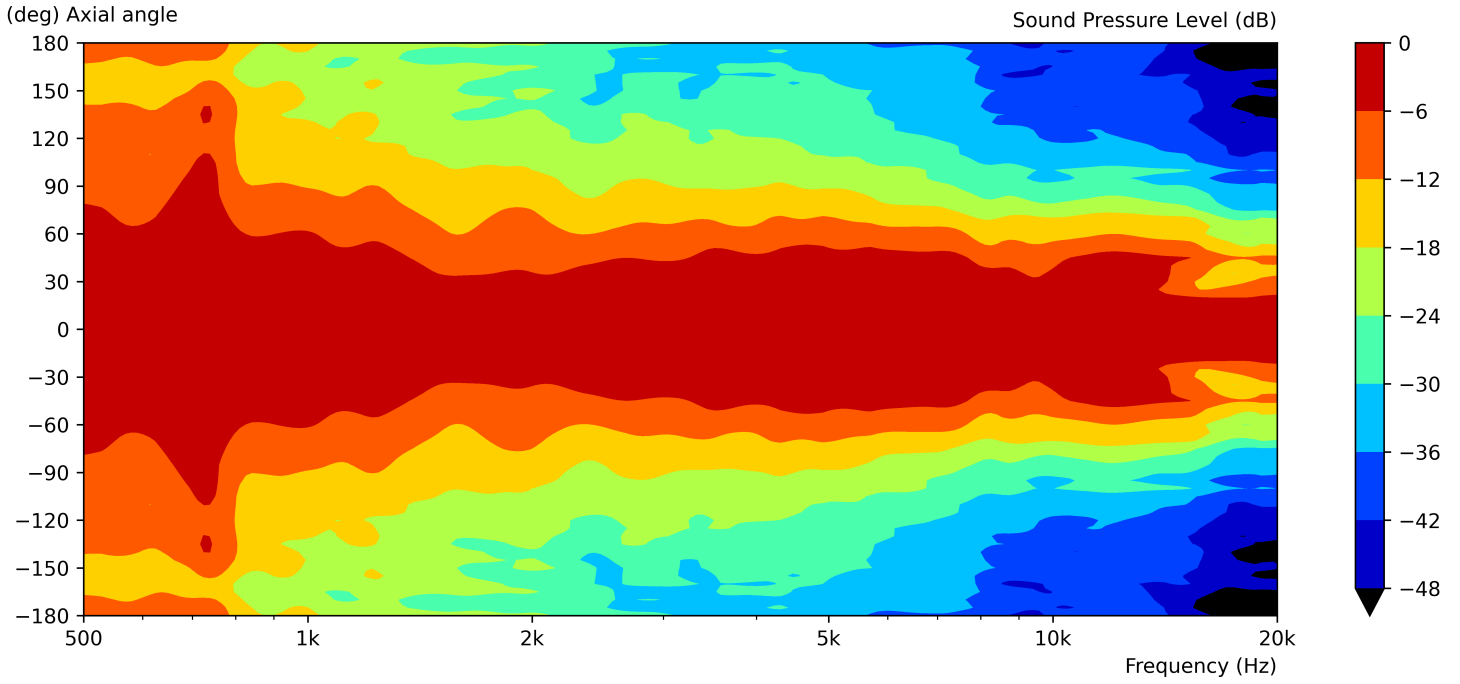
HF replacement-diaphragm	MMDDCX354HF8
MF replacement-diaphragm	MMDDCX354MF8

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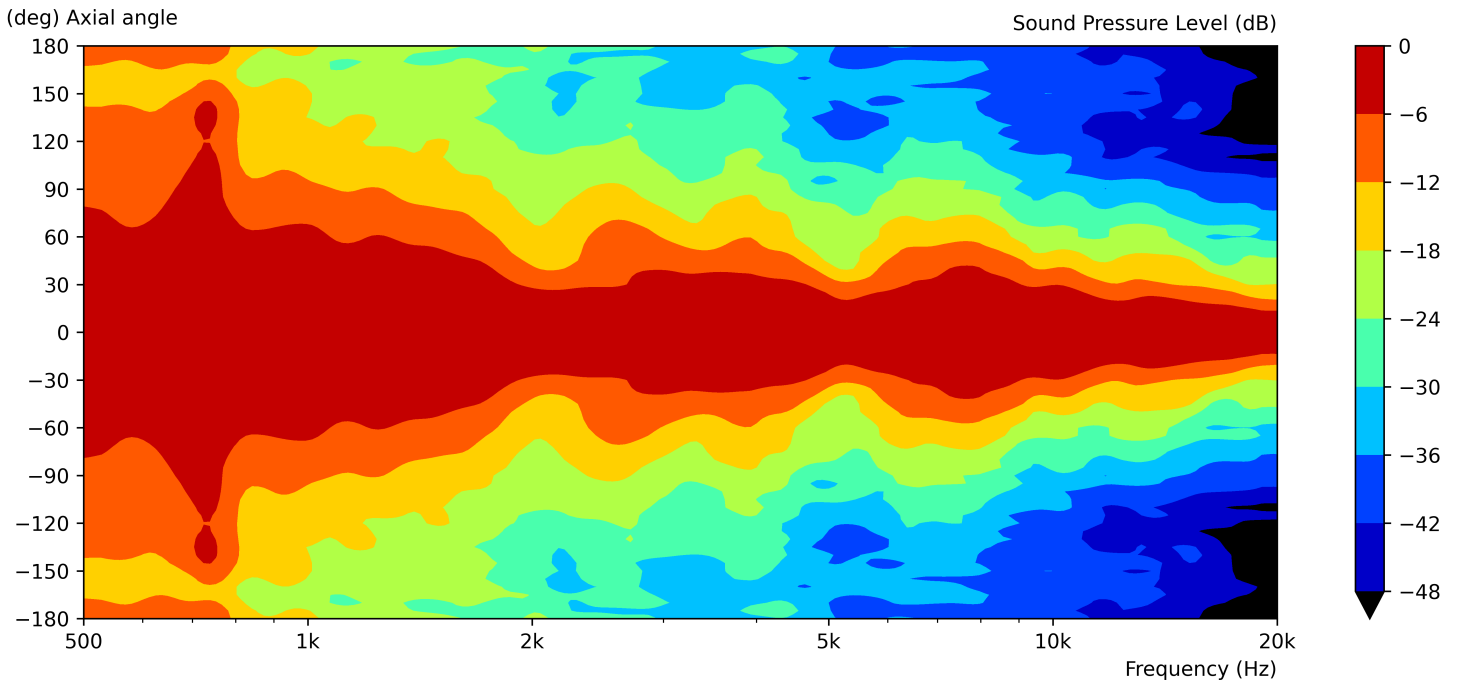


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Horizontal Directivity Map



Vertical Directivity Map



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