12FCX76 8 Ω

- 700 W continuous program power capacity
- 80° nominal coverage
- 47 - 18000 Hz response
- 98 dB sensitivity
- 50.5 mm (2”) 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	**47 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**80 °**

PARAMETERS

Fs	**47 Hz**
Re	**5.3 Ω**
Qes	**0.35**
Qms	**11**
Qts	**0.34**
Vas	**82 dm³ (2.98 ft³)**
Sd	**522 cm² (80.9 in²)**
η0	**2.3 %**
Xvar	**5 mm**
Mms	**54 g**
Bl	**15.6 Tm**
Le	**1.3 mH**
EBP	**134 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	**6.3 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

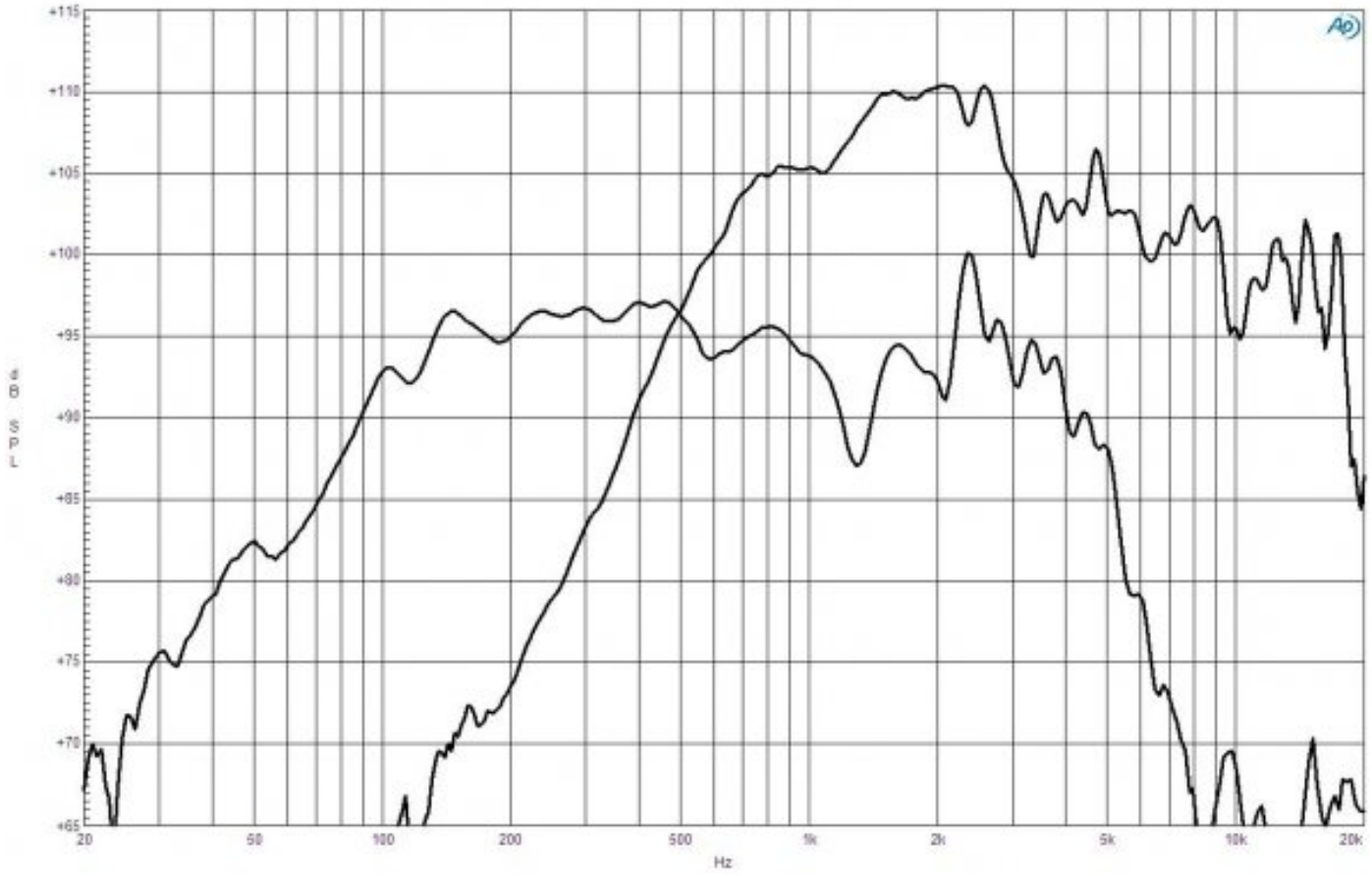
Overall Diameter	**315 mm (12.5 in)**
Bolt Circle Diameter	**298 mm (11.7 in)**
Baffle Cutout Diameter	**282 mm (11.1 in)**
Depth	**169 mm (6.65 in)**
Flange and Gasket Thickness	**14 mm (0.55 in)**
Net Weight	**8.25 kg (18.19 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**9.55 kg (21.05 lb)**
Shipping Box	**425x425x224 mm (16.73x16.73x8.82 in)**

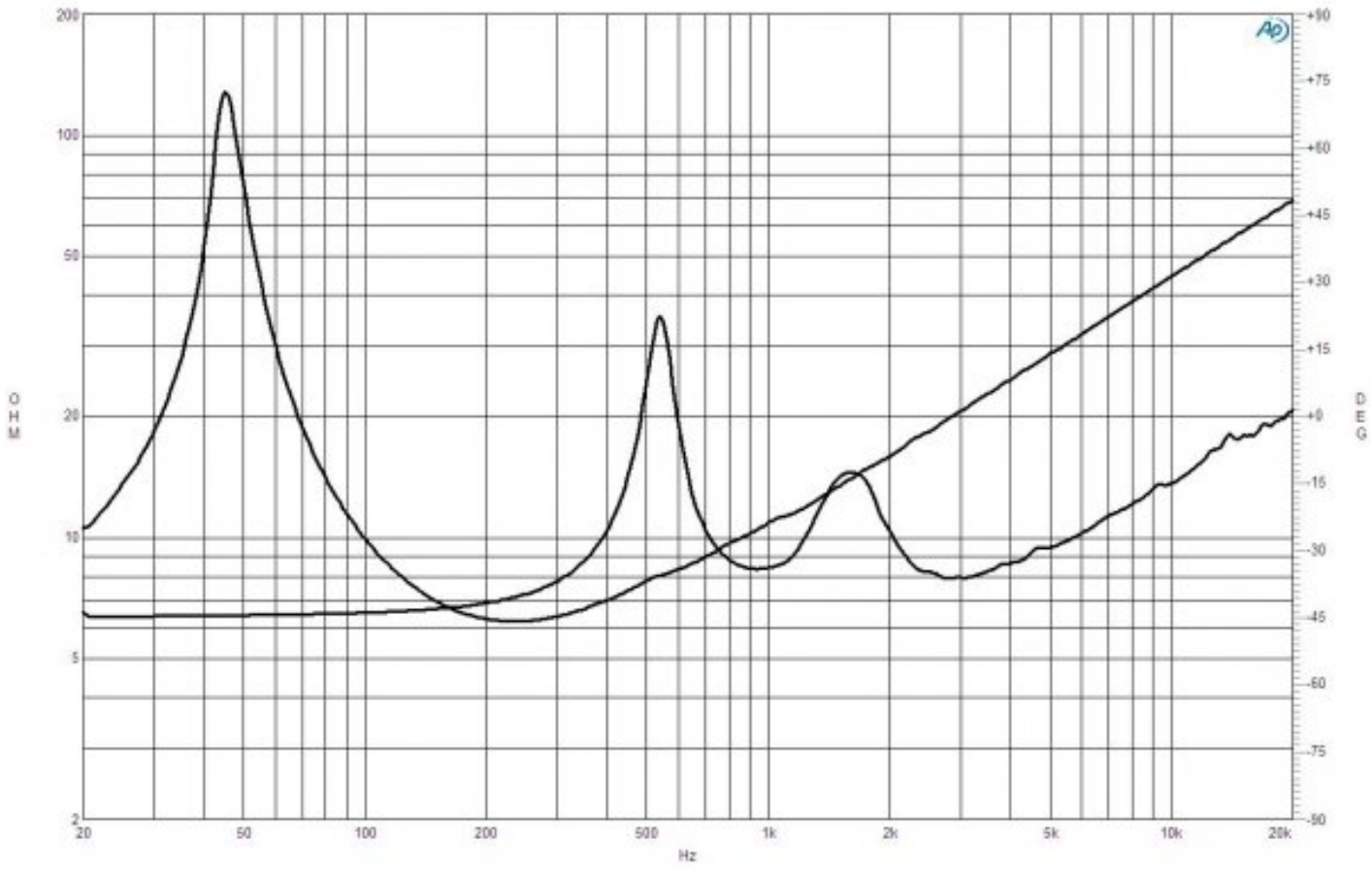
SERVICE KITS

HF replacement-diaphragm	**MMD3BTN8M**
LF recone-kits	**RCK12FCX768**

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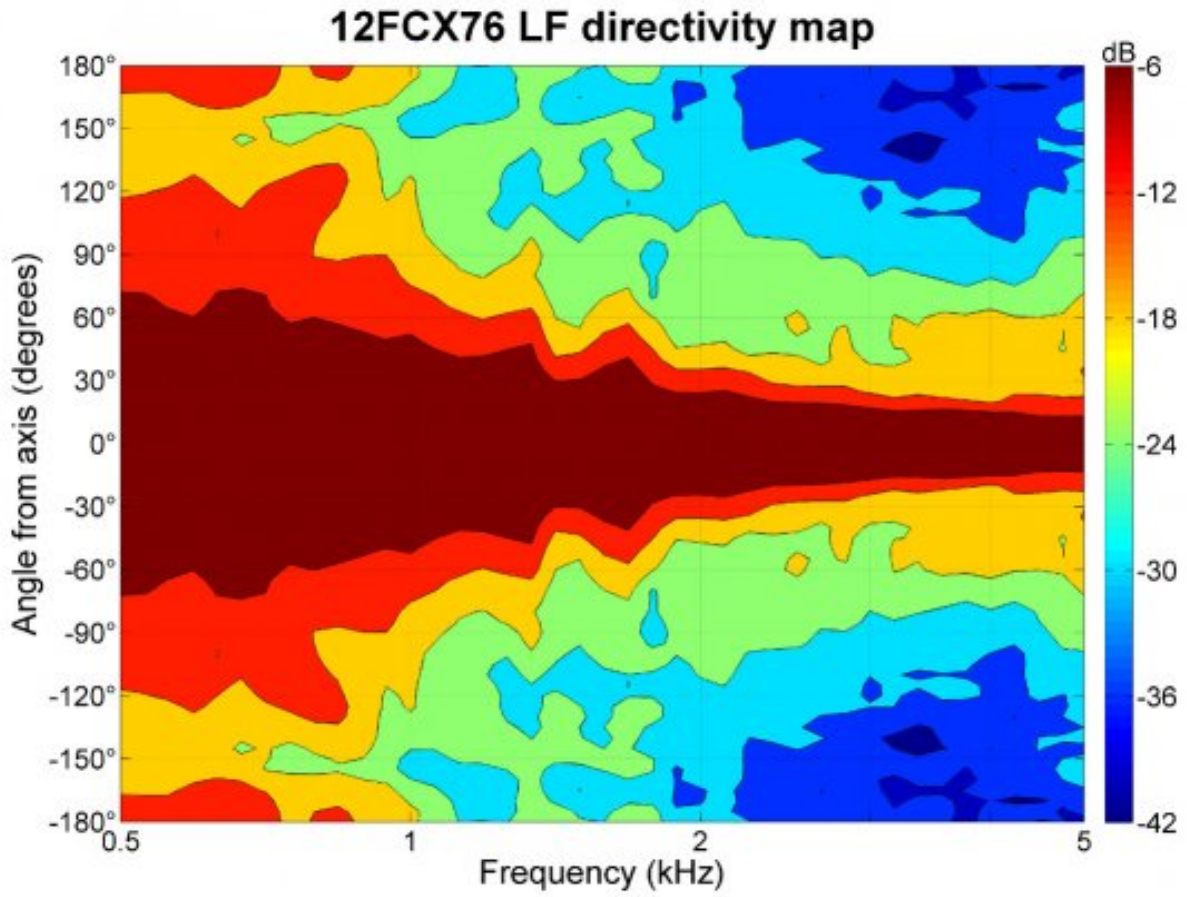
12FCX76 8 Ω

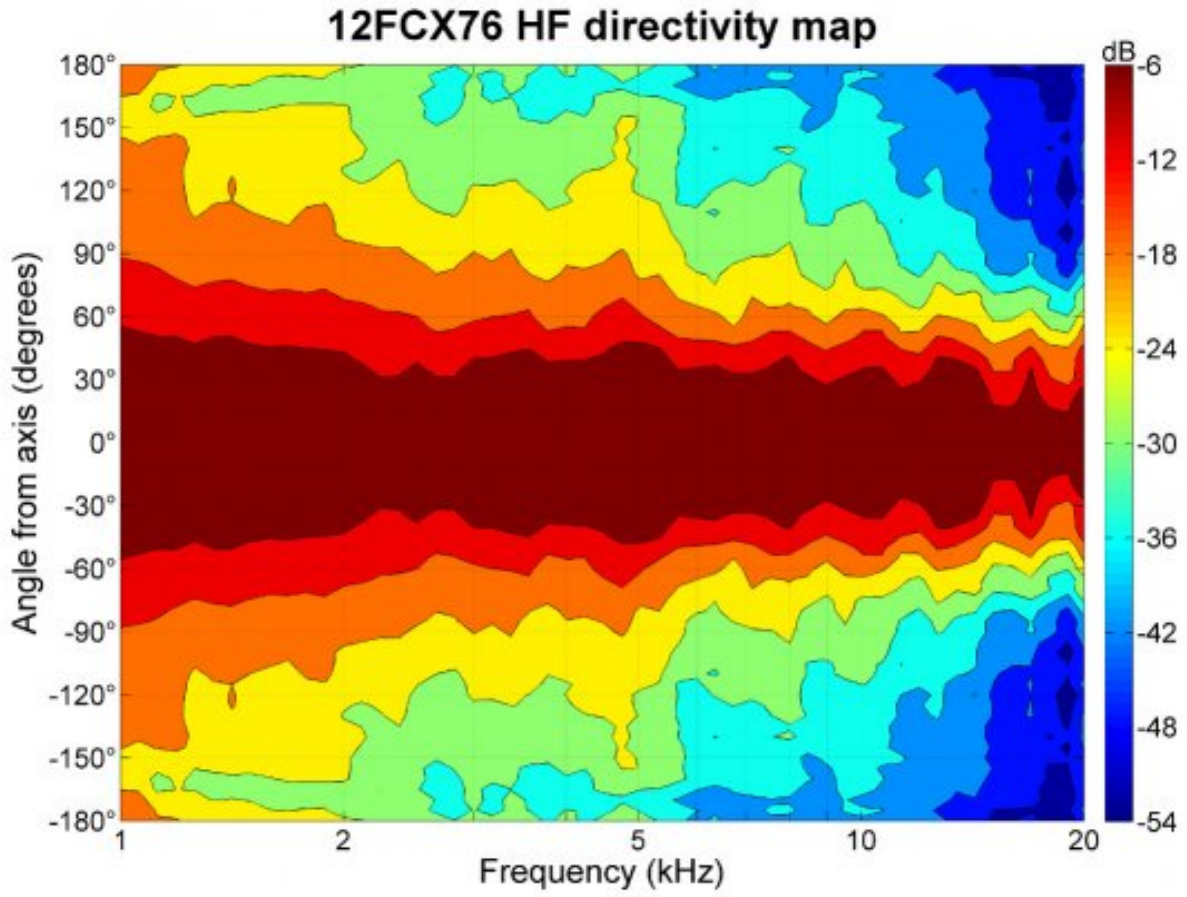




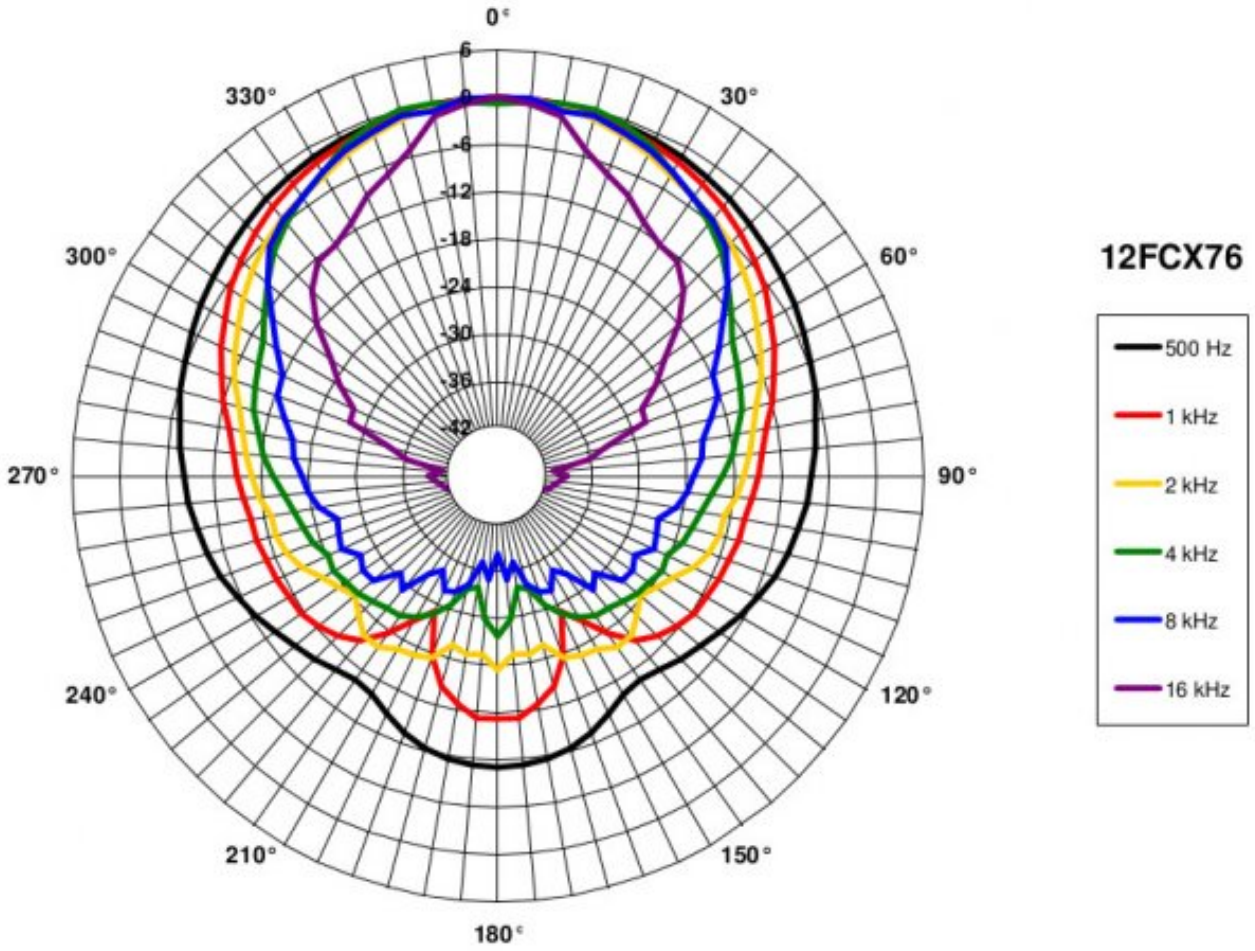
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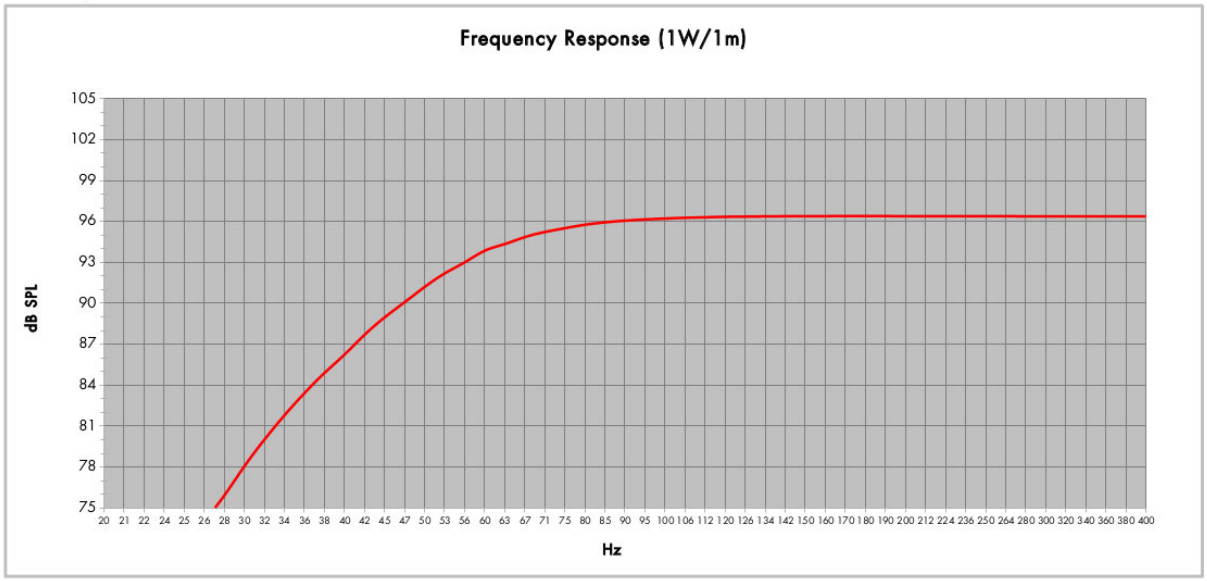
12FCX76 8 Ω


12FCX76 LF directivity map
Angle from axis (degrees)
180°
150°
120°
90°
60°
30°
0°
-30°
-60°
-90°
-120°
-150°
-180°
0.5
1
2
5
Frequency (kHz)
dB
-6
-12
-18
-24
-30
-36
-42


12FCX76 HF directivity map
Angle from axis (degrees)
180°
150°
120°
90°
60°
30°
0°
-30°
-60°
-90°
-120°
-150°
-180°
1
2
5
10
20
Frequency (kHz)
dB
-6
-12
-18
-24
-30
-36
-42
-48
-54

12FCX76 8 Ω

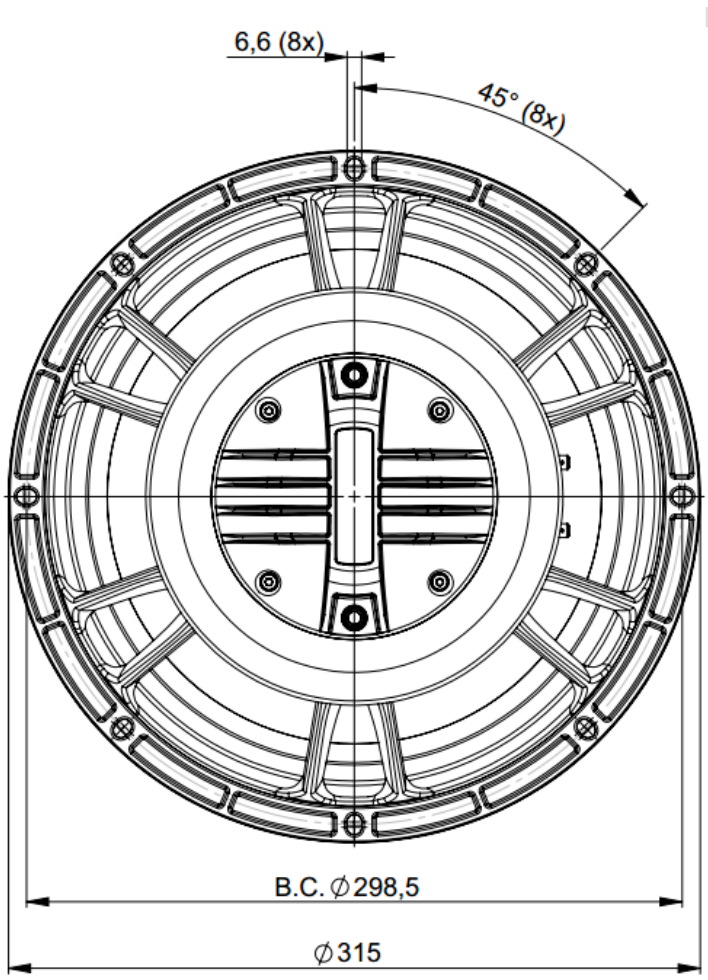


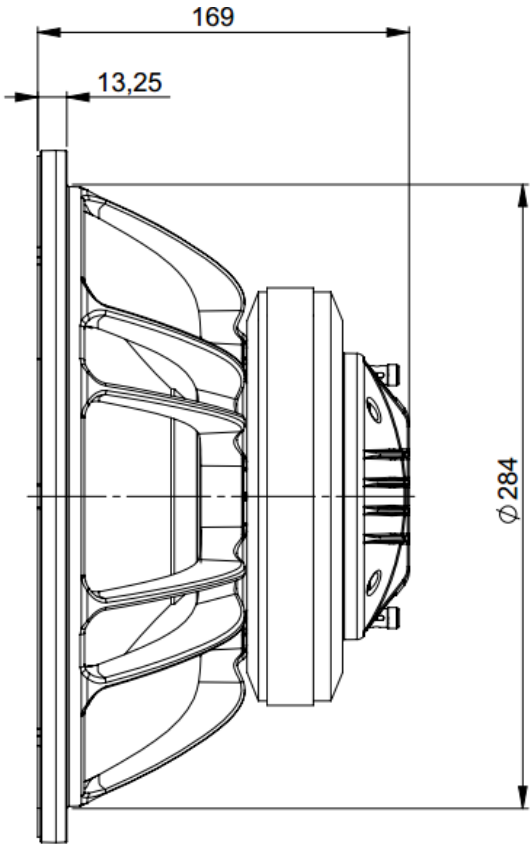


Model:	**12FCX76**		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**50**	QB:	**7**
Tuning Frequency (Hz):	**50**	Port Area (cm²):	**138,7**
Frequency (-3 dB) (Hz):	**57,7**	Port Length (cm):	**21,8**

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