5CXN44 8 Ω

- 300 W continuous program power capacity
- 80° nominal coverage
- 70 - 18000 Hz response
- 86.5 dB sensitivity
- Aluminium demodulating ring for very low distortion





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

5CXN44 8 Ω

GENERAL

Nominal Diameter	**127 mm (5 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**70 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**80 °**

PARAMETERS

Fs	**70 Hz**
Re	**4.7 Ω**
Qes	**0.47**
Qms	**9.6**
Qts	**0.45**
Vas	**4.3 dm^3 (0.15 ft^3)**
Sd	**95 cm^2 (14.73 in^2)**
η0	**0.31 %**
Xvar	**6 mm**
Mms	**15 g**
Bl	**8.1 Tm**
Le	**0.37 mH**
EBP	**149 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**127 mm (5 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.5 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.	**25 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**50 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**101 dB**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**2 kHz**
Voice Coil Diameter	**36 mm (1.4 in)**
Winding Material	**Aluminum**
Inductance	**0.14 mH**
Flux Density	**1.54 T**
Diaphragm Material	**HT Polymer**

SPECIFICATIONS LF UNIT

Nominal Diameter	**127 mm (5 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.1 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.	**150 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**300 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**86.5 dB**
Voice Coil Diameter	**44 mm (1.7 in)**
Winding Material	**Copper**
Former Material	**Kapton**
Winding Depth	**14 mm (0.55 in)**
Magnetic Gap Depth	**6 mm (0.24 in)**
Flux Density	**0.95 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

DESIGN

Magnet Material	**Neodymium Ring**
Woofer Cone Treatment	**WP Waterproof Front Side**
Recommended Enclosure	**9 dm^3 (0.32 ft^3)**
Recommended Tuning	**57 Hz**
Recommended Loading	**Vented Box**

MOUNTING AND SHIPPING INFO

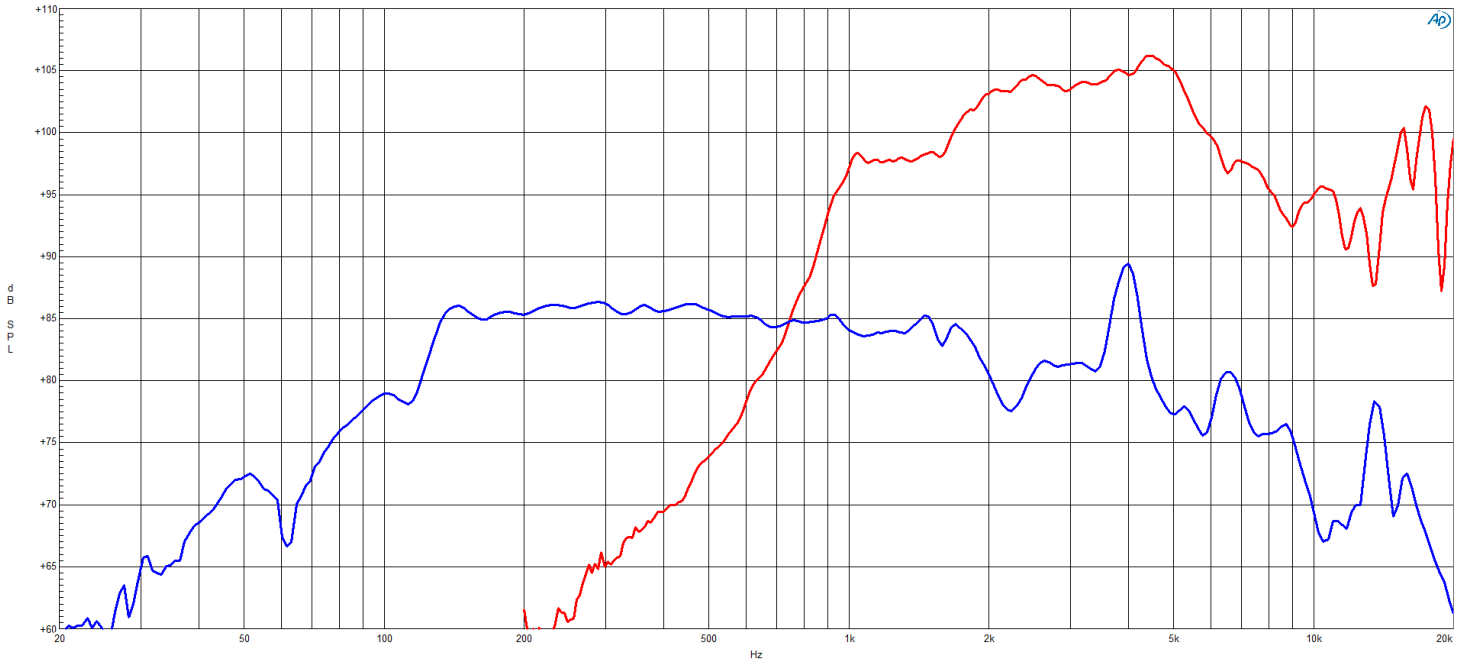
Overall Diameter	**155 mm (6.1 in)**
Bolt Circle Diameter	**142 mm (5.6 in)**
Baffle Cutout Diameter	**122 mm (4.8 in)**
Depth	**96 mm (3.78 in)**
Flange and Gasket Thickness	**10 mm (0.39 in)**
Net Weight	**1.15 kg (2.54 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**1.6 kg (3.53 lb)**
Shipping Box	**255x255x150 mm (10.04x10.04x5.91 in)**

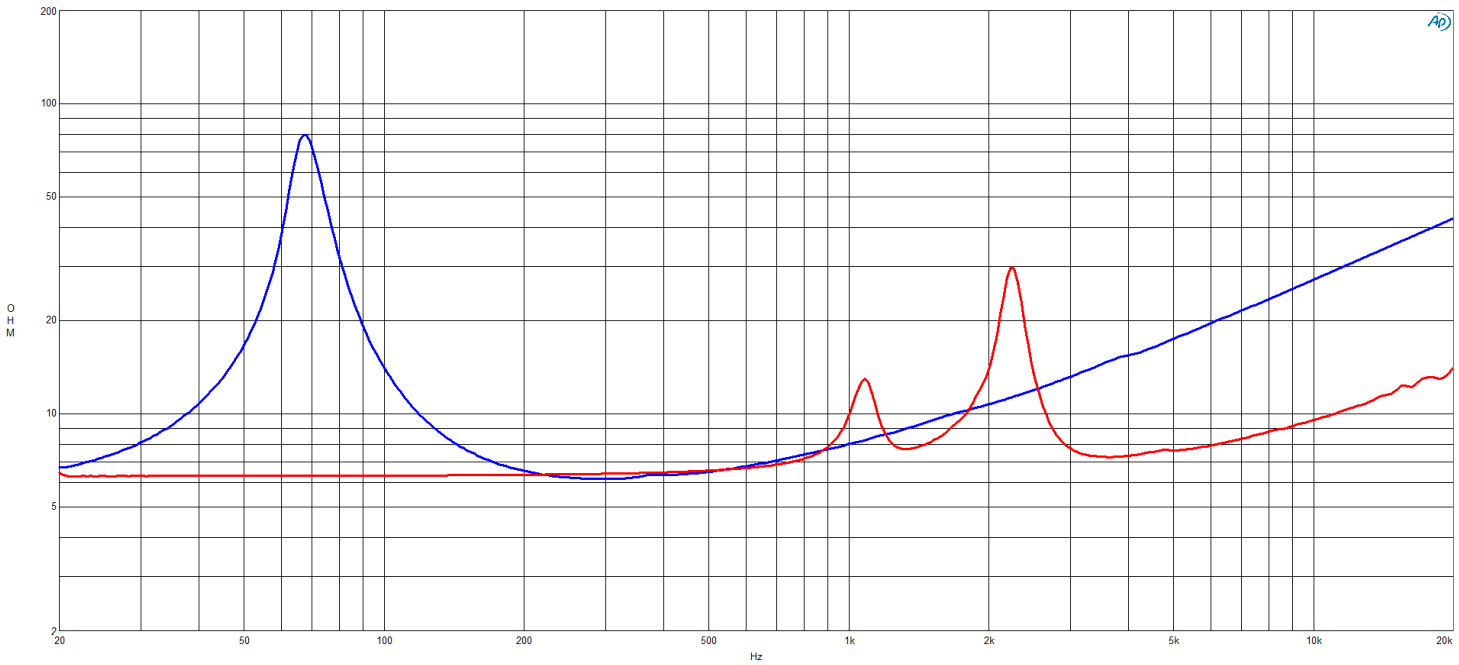
SERVICE KITS

HF replacement-diaphragm	**MMDDE1108**
LF recone-kits	**RCK005CXN448**

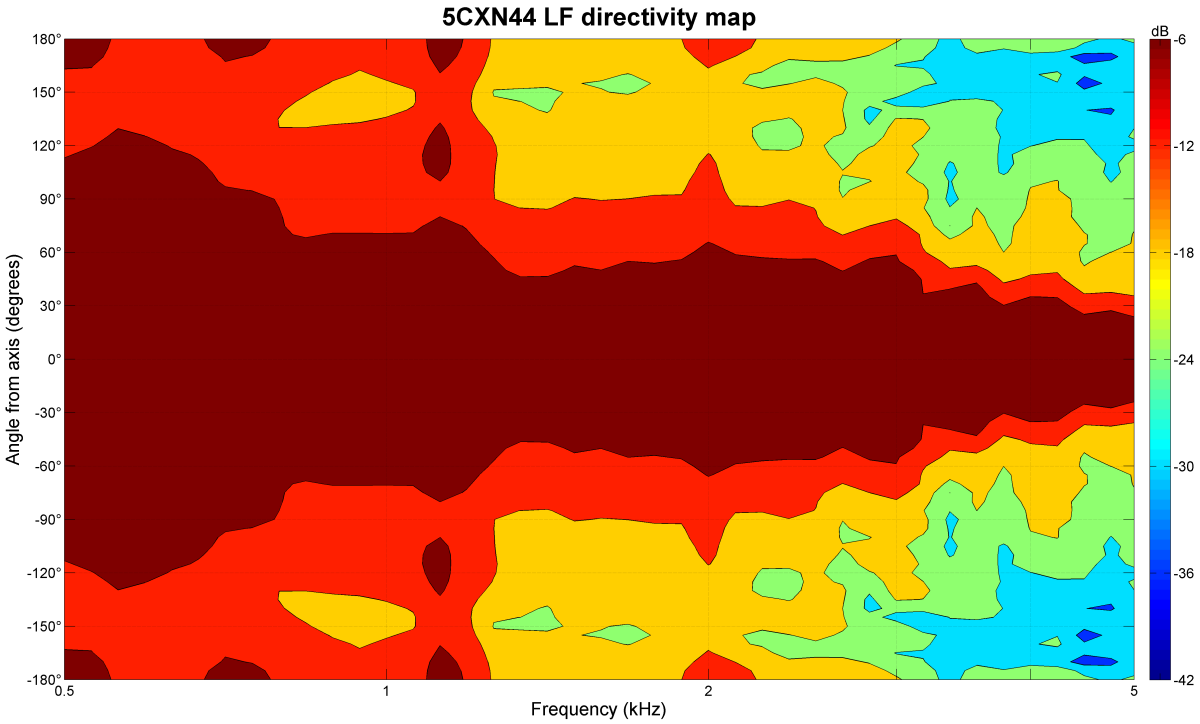
B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

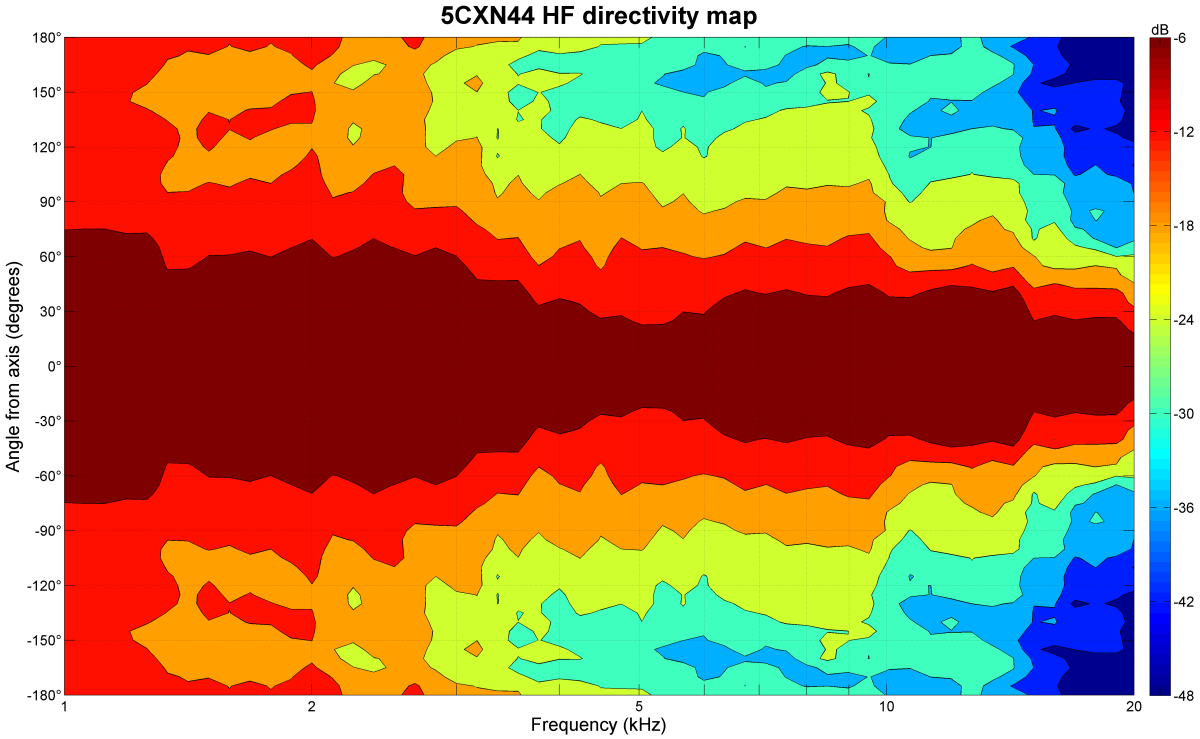
5CXN44 8 Ω


+110
+105
+100
+95
+90
+85
+80
+75
+70
+65
+60
dB SPL
20
50
100
200
500
1k
2k
5k
10k
20k
Hz


200
100
50
20
10
5
2
OHM
20
50
100
200
500
1k
2k
5k
10k
20k
Hz

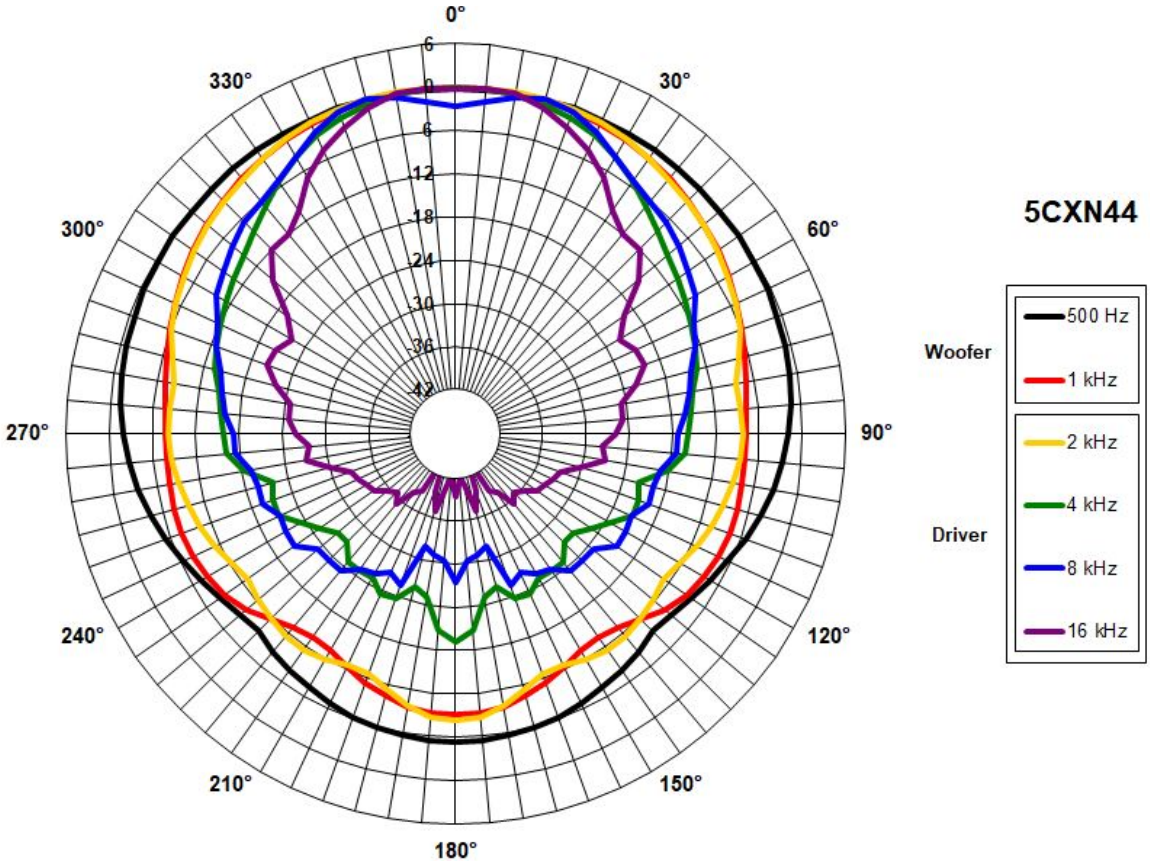
5CXN44 8 Ω

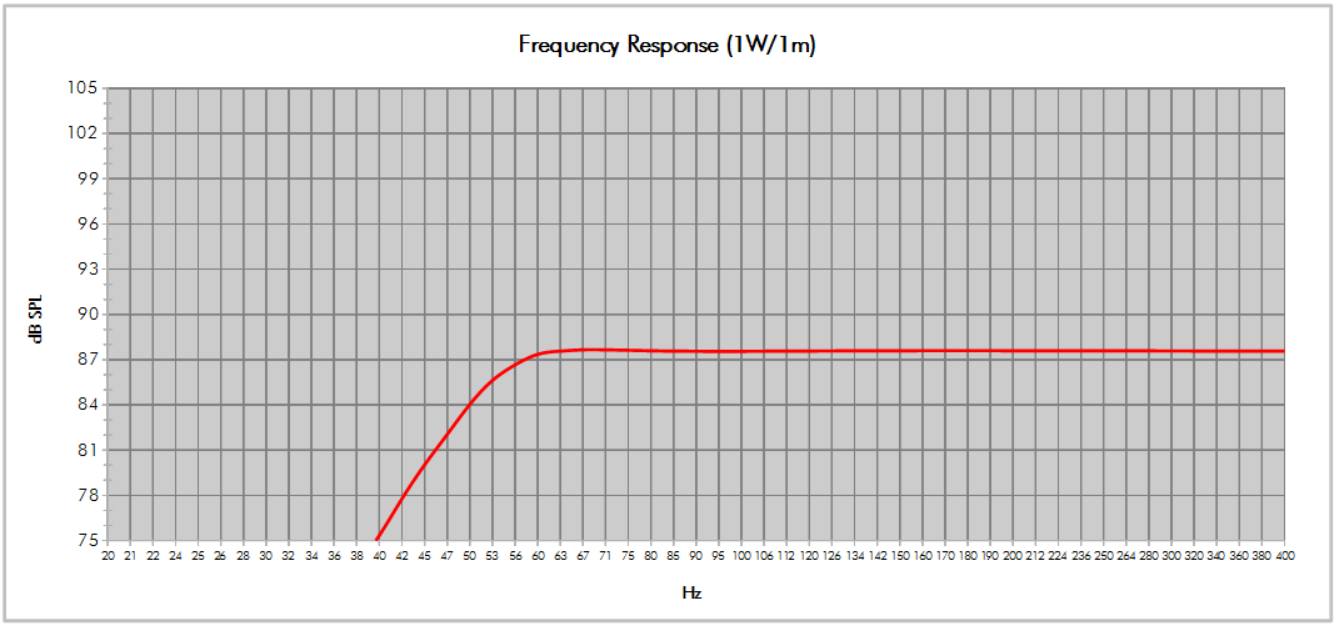




B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

5CXN44 8 Ω

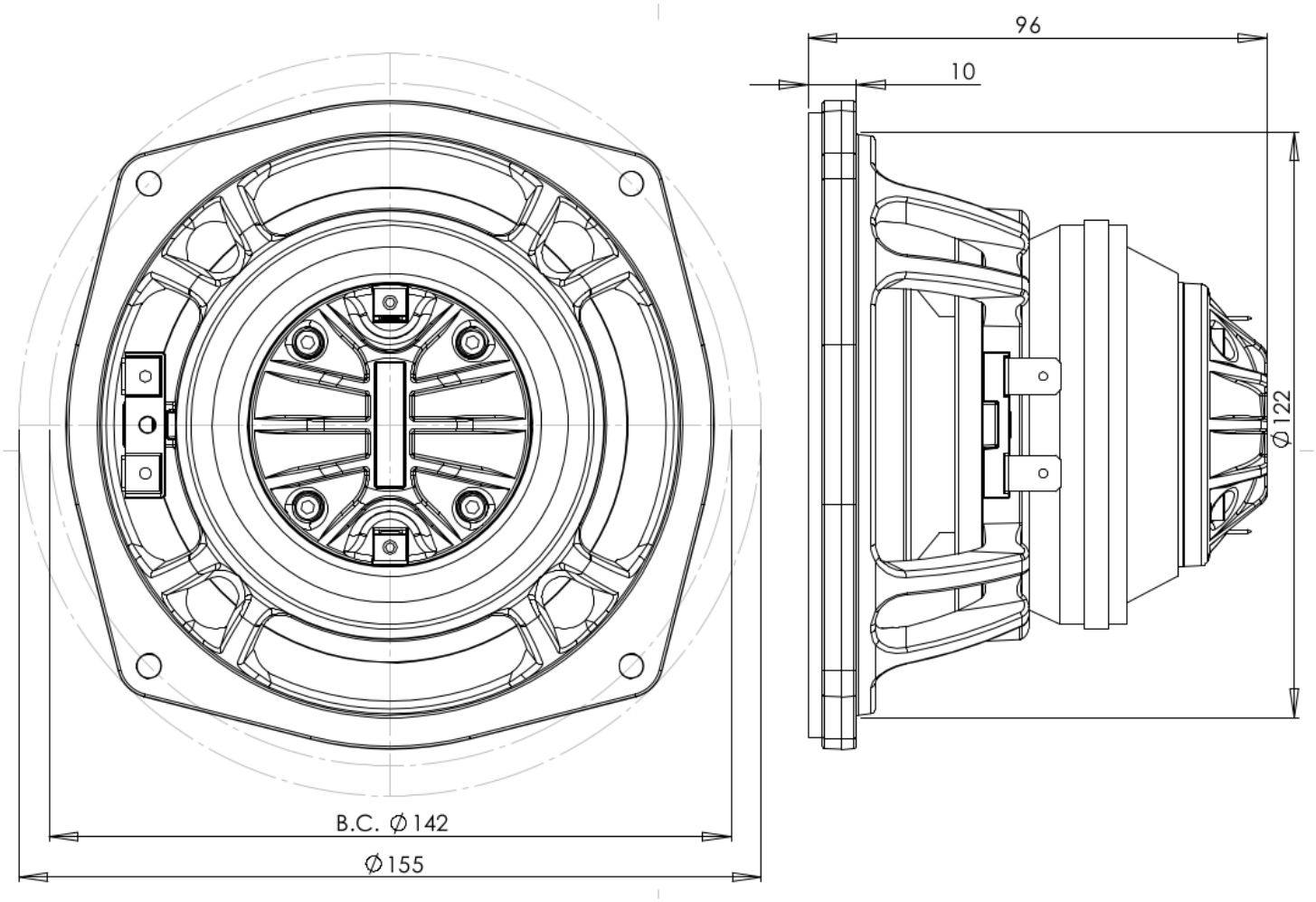




Model:	5CXN44		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	9	QB:	7
Tuning Frequency (Hz):	57	Port Area (cm²):	15,0
Frequency (-3 dB) (Hz):	51,0	Port Length (cm):	11,6
Frequency (-10 dB) (Hz):	42,2		

B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

5CXN44 8 Ω



B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com