8CX21 8 Ω

- 400 W continuous program power capacity
- 100° nominal coverage
- 75 - 20000 Hz response
- 94 dB sensitivity
- 34.5 mm (1.35”) HF unit exit diameter
- FB08CX21 dedicated crossover network





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

8CX21 8 Ω

GENERAL

Nominal Diameter	**210 mm (8 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**75 Hz - 20000 Hz**
Dispersion Angle Included by –6 dB down points.	**100 °**

PARAMETERS

Fs	**74 Hz**
Re	**5.2 Ω**
Qes	**0.39**
Qms	**4.1**
Qts	**0.36**
Vas	**15 dm³ (0.55 ft³)**
Sd	**220 cm² (34.1 in²)**
η0	**1.5 %**
Xvar	**5.5 mm**
Mms	**21 g**
Bl	**11.5 Tm**
Le	**1.2 mH**
EBP	**190 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**210 mm (8 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.2 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.	**2.2 kHz**
Voice Coil Diameter	**36 mm (1.4 in)**
Winding Material	**Aluminium**
Inductance	**0.14 mH**
Flux Density	**1.45 T**
Diaphragm Material	**Polyester**

SPECIFICATIONS LF UNIT

Nominal Diameter	**210 mm (8 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.	**200 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**400 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**94 dB**
Voice Coil Diameter	**52 mm (2 in)**
Winding Material	**Copper**
Former Material	**Kapton**
Winding Depth	**16 mm (0.63 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**1.1 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	**225 mm (8.8 in)**
Bolt Circle Diameter	**210 mm (8.3 in)**
Baffle Cutout Diameter	**187 mm (7.4 in)**
Depth	**135 mm (5.3 in)**
Flange and Gasket Thickness	**11 mm (0.4 in)**
Net Weight	**4.1 kg (9.04 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**4.7 kg (10.36 lb)**
Shipping Box	**295x314x175 mm (11.61x12.36x6.89 in)**

CROSSOVER

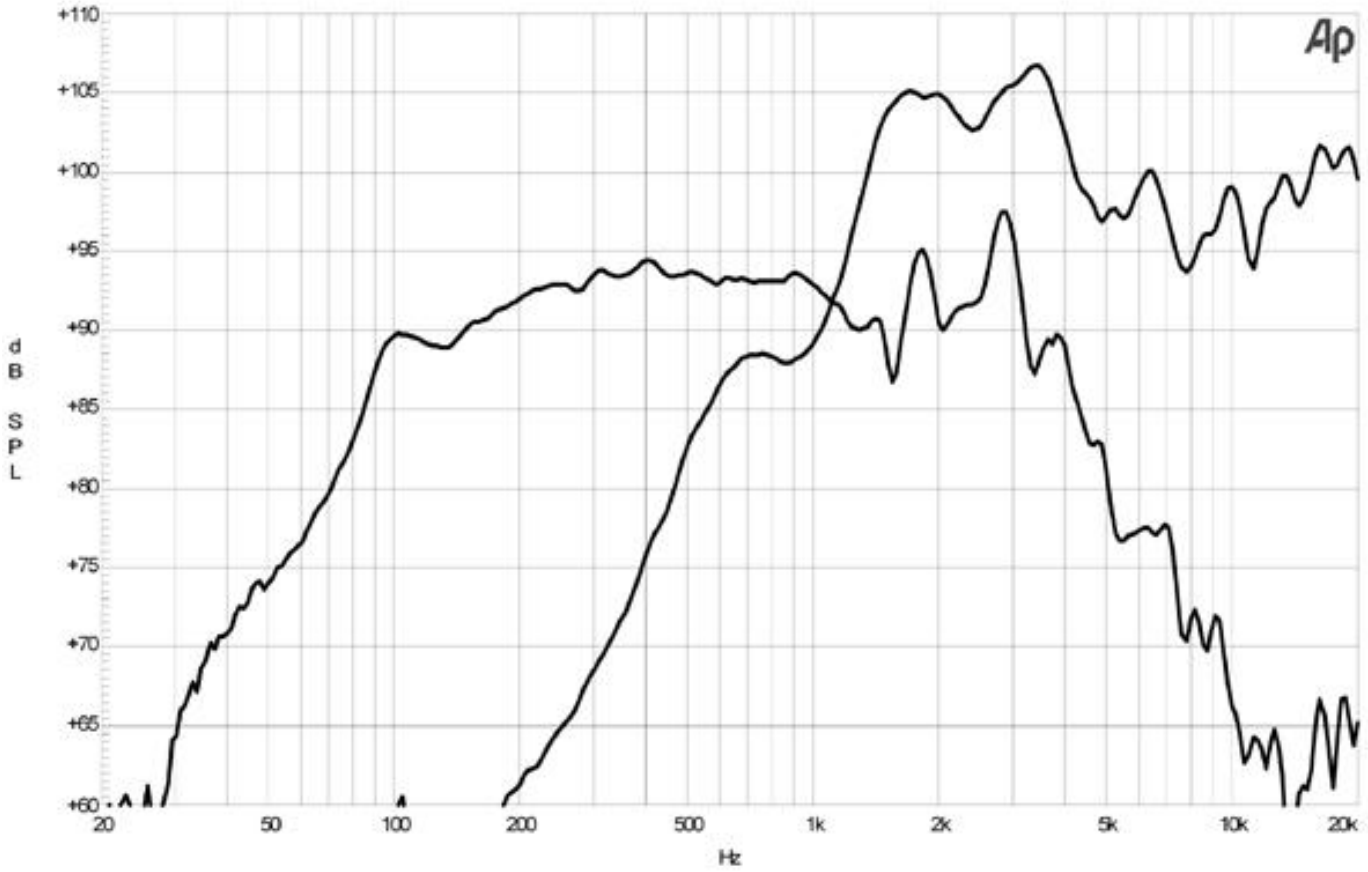
FB08CX21	**8Ω**

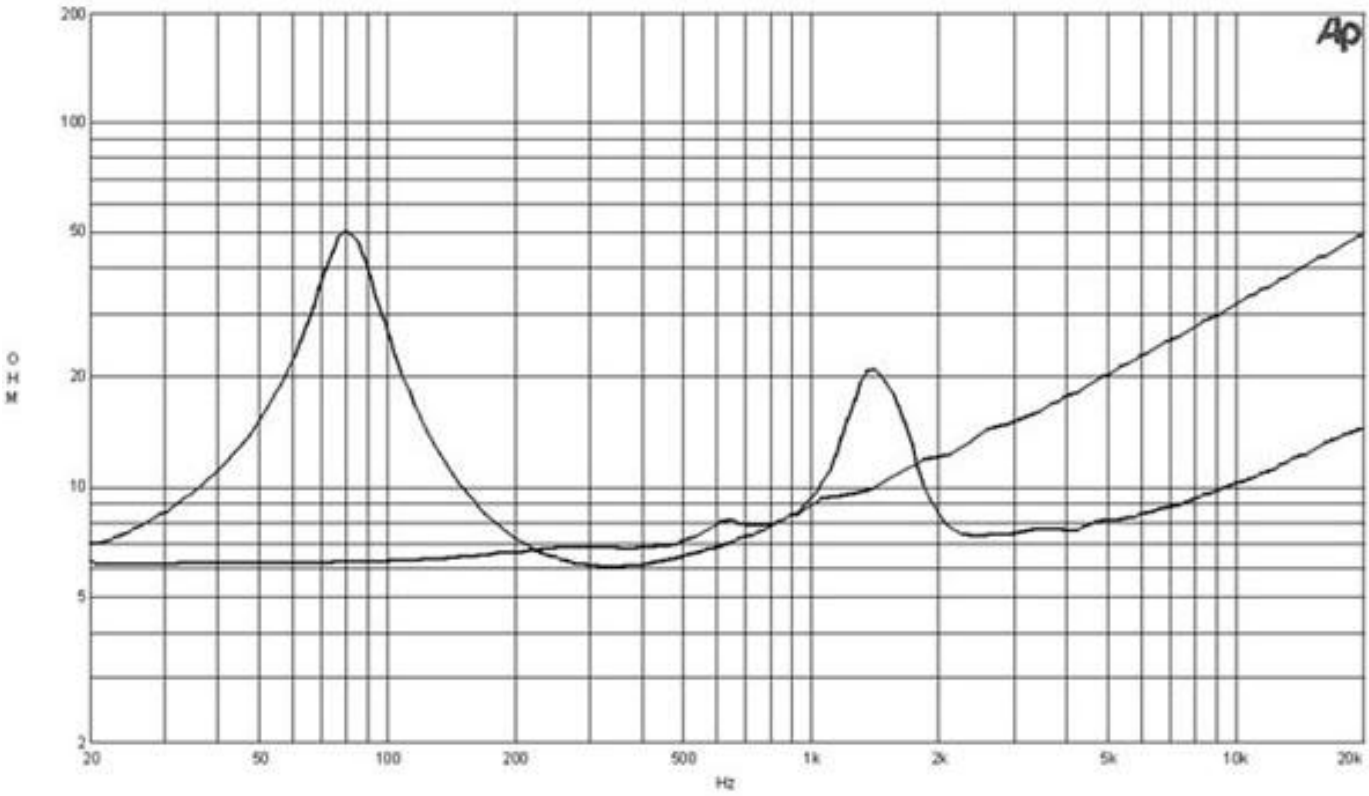
SERVICE KITS

HF replacement-diaphragm	**MMD0128**
LF recone-kits	**RCK008CX218**

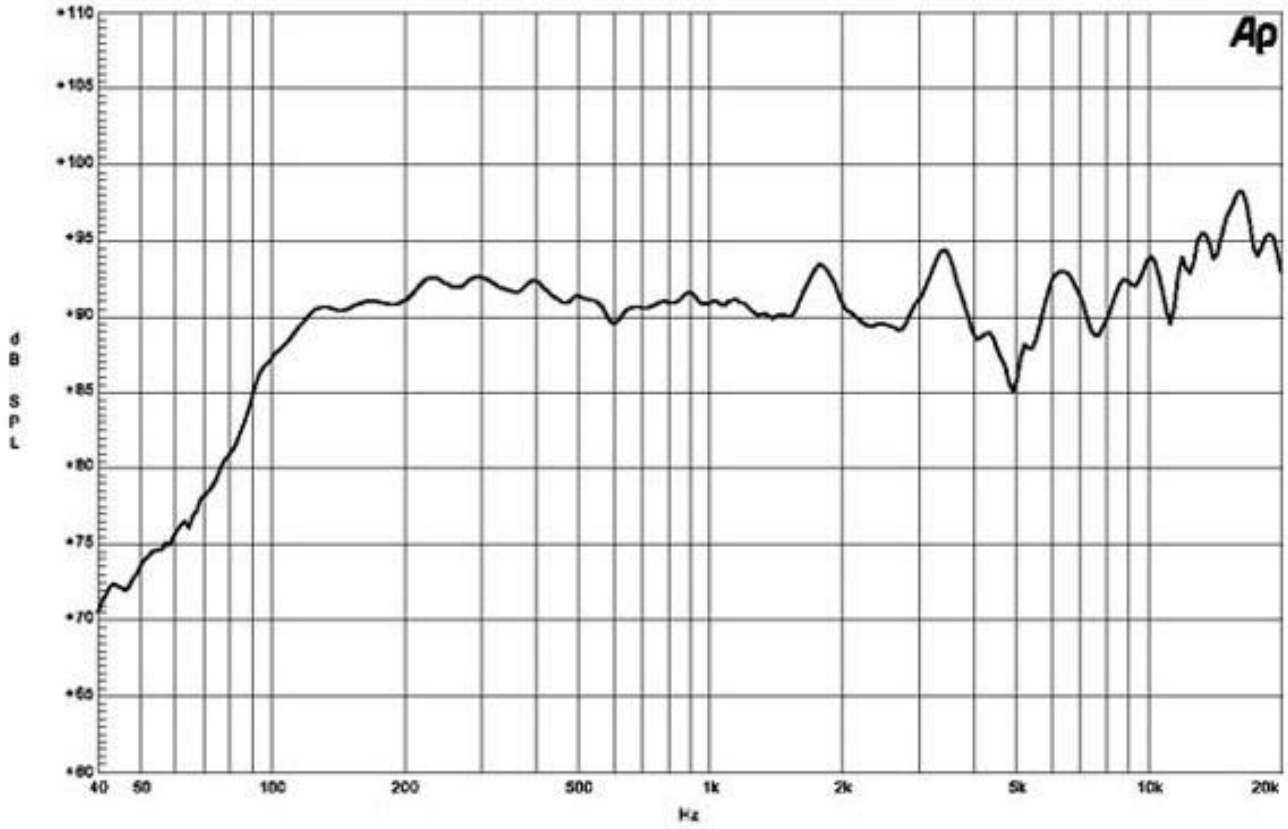
B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

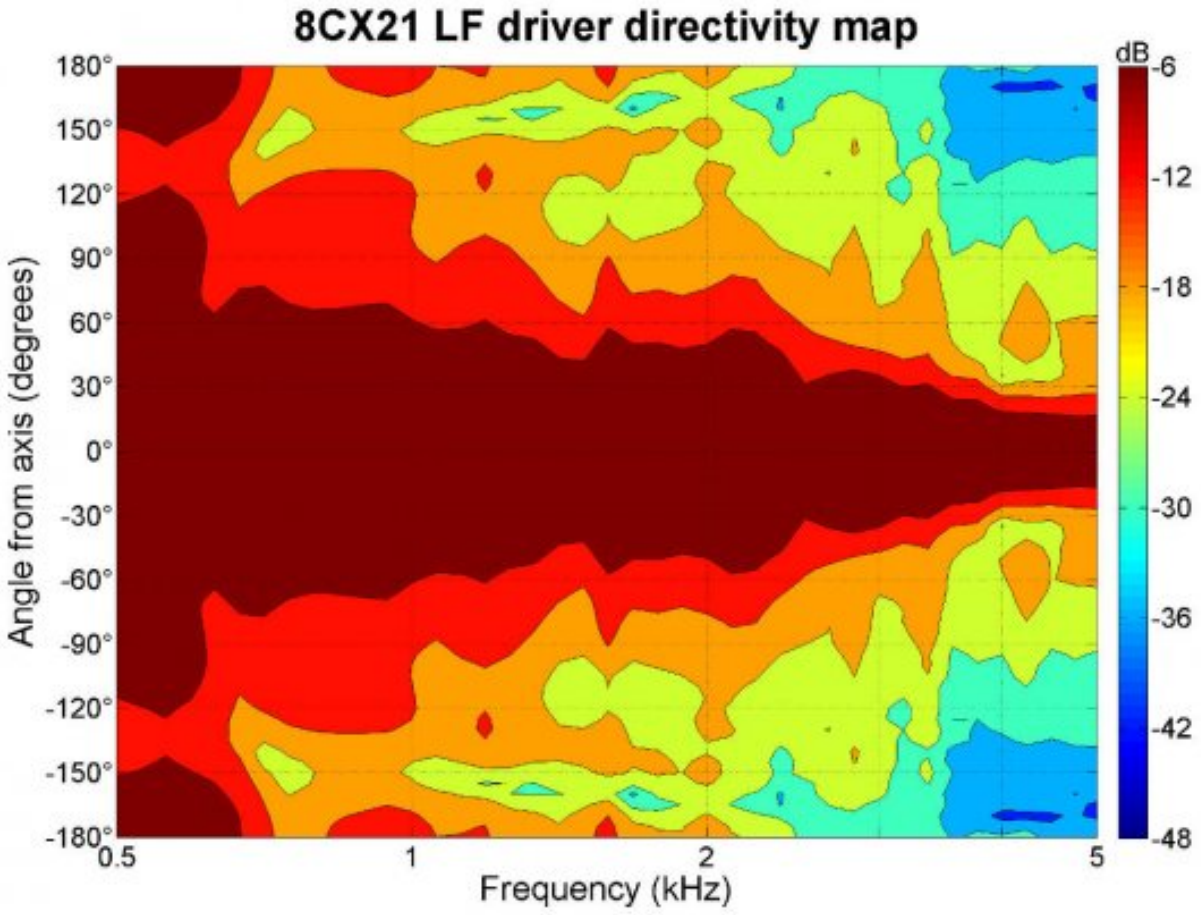
8CX21 8 Ω


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

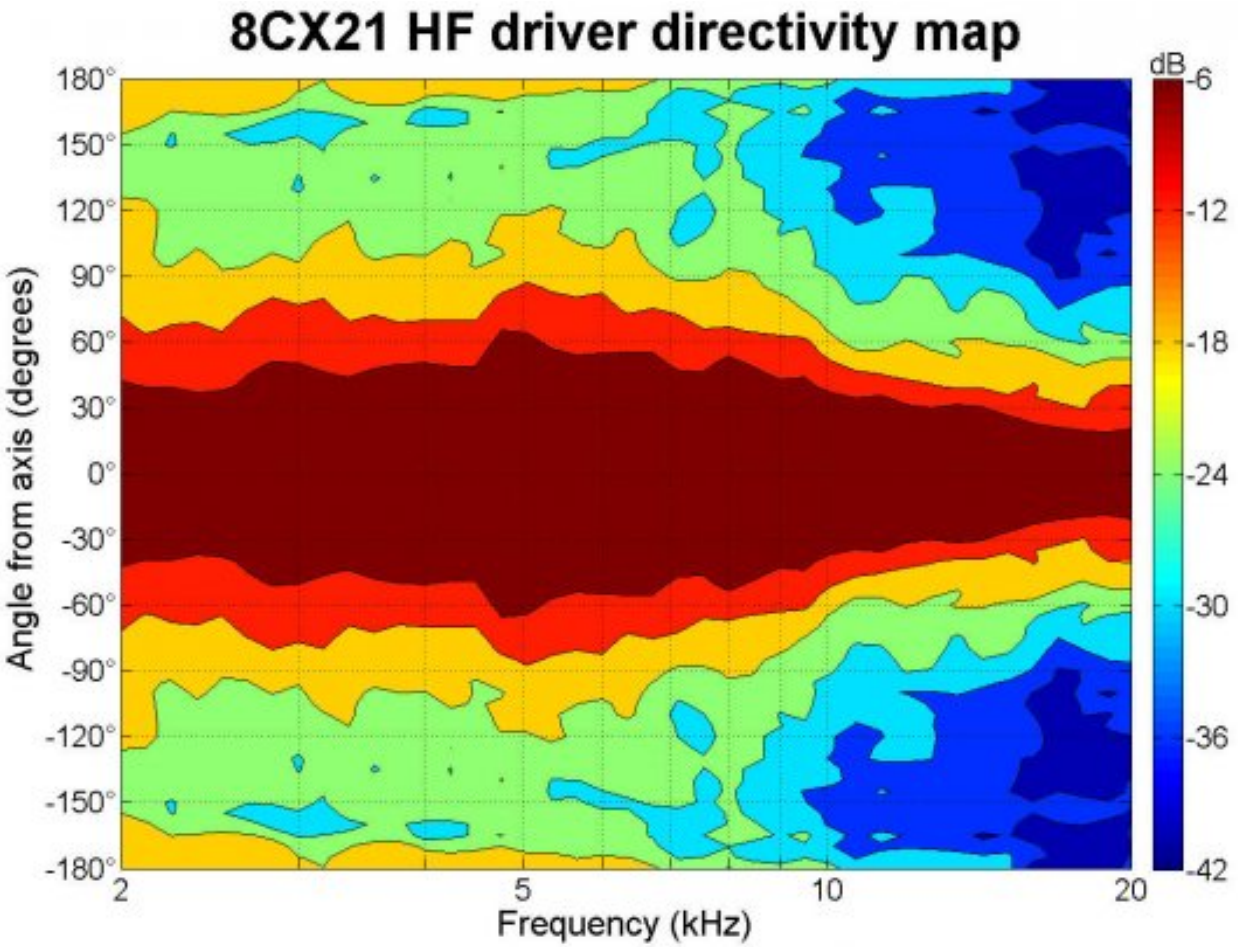

200
100
50
20
10
5
2
OHM
20
50
100
200
500
1k
2k
5k
10k
20k
Hz

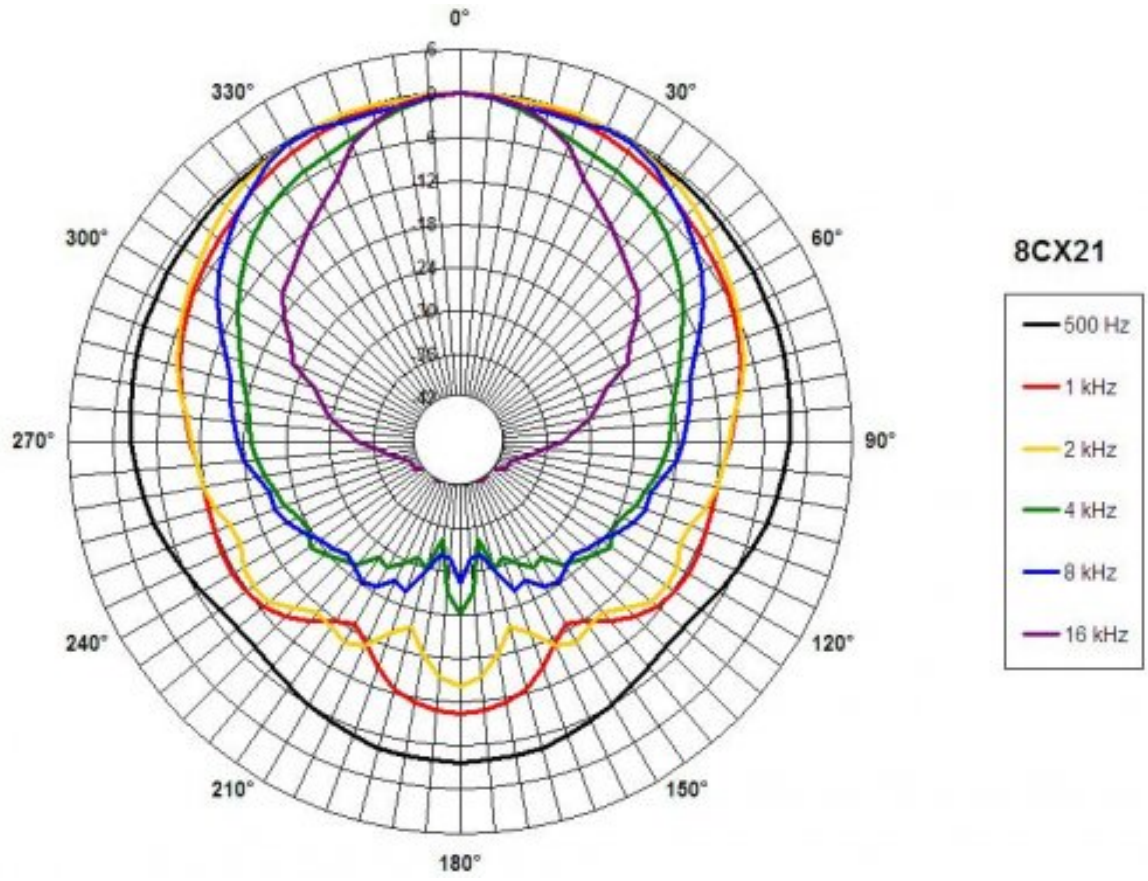
8CX21 8 Ω


Ap
dB SPL
+110
+105
+100
+95
+90
+85
+80
+75
+70
+65
+60
40
50
100
200
500
1k
2k
5k
10k
20k
Hz

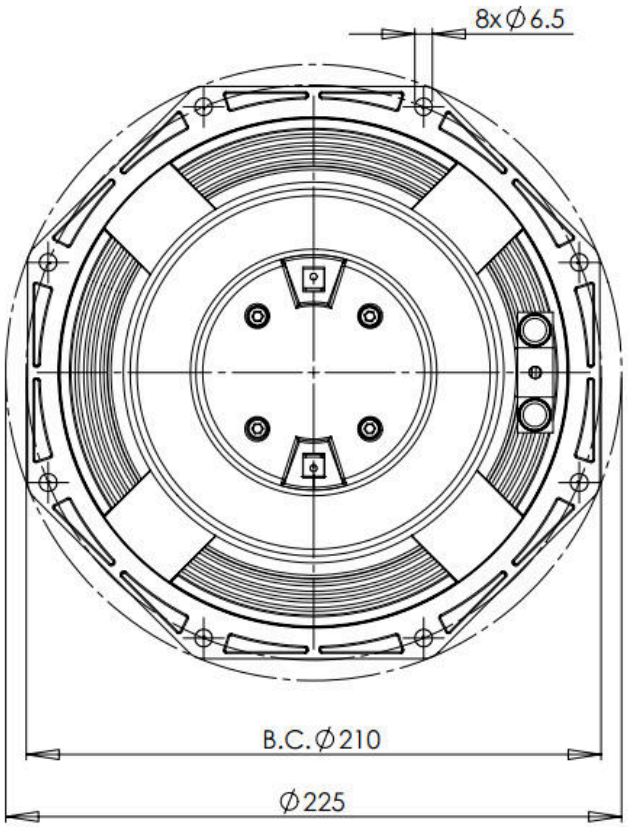

8CX21 LF driver directivity map
Angle from axis (degrees)
180°
150°
120°
90°
60°
30°
0°
-30°
-60°
-90°
-120°
-150°
-180°
0.5
1
2
5
Frequency (kHz)
dB
-6
-12
-18
-24
-30
-36
-42
-48

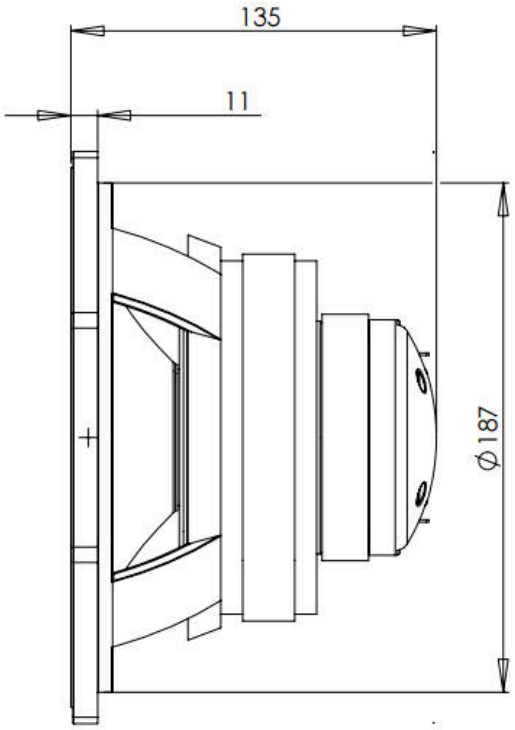
8CX21 8 Ω


8CX21 HF driver directivity map
Angle from axis (degrees)
180°
150°
120°
90°
60°
30°
0°
-30°
-60°
-90°
-120°
-150°
-180°
2
5
10
20
Frequency (kHz)
dB
-6
-12
-18
-24
-30
-36
-42


0°
30°
60°
90°
120°
150°
180°
210°
240°
270°
300°
330°
8CX21
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz

8CX21 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