14CXN88 4 Ω

- 1000 W continuous program power capacity
- 80° nominal coverage
- 45 - 18000 Hz response
- 99 dB sensitivity
- Single Neodymium magnet assembly
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance

New to the large format coaxial family is the 14CXN88. Like the 12CXN88 and 15CXN88, that were introduced in the spring of 2017, this new 14” addition features an 88mm voice coil woofer and 75mm diaphragm high frequency driver. This motor combination offers an excellent balance between HF and LF output. As a practical compromise between our 12-inch and 15-inch alternatives, the 14CXN88 coaxial (which is actually 13.5-inches in diameter) offers better low frequency output than a 12-inch coaxial, but more balanced midrange performance than a 15-inch coaxial.





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

14CXN88 4 Ω

GENERAL

Nominal Diameter	**343 mm (13.5 in)**
Nominal Impedance	**4 Ω**
Frequency Range	**45 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**80 °**

PARAMETERS

Fs	**44 Hz**
Re	**3.2 Ω**
Qes	**0.26**
Qms	**15**
Qts	**0.25**
Vas	**116 dm³ (4.1 ft³)**
Sd	**707 cm² (109.59 in²)**
η0	**3.8 %**
Xvar	**9 mm**
Mms	**78.5 g**
Bl	**16.6 Tm**
Le	**0.72 mH**
EBP	**169 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**343 mm (13.5 in)**
Nominal Impedance	**4 Ω**
Minimum Impedance	**8.8 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 V	**103 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	**1.75 T**
Diaphragm Material	**Titanium**

SPECIFICATIONS LF UNIT

Nominal Diameter	**343 mm (13.5 in)**
Nominal Impedance	**4 Ω**
Minimum Impedance	**4.3 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.	**500 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**1000 W**
Sensitivity Applied RMS Voltage is set to 2 V	**99 dB**
Voice Coil Diameter	**88 mm (3.5 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**22 mm (0.87 in)**
Magnetic Gap Depth	**10 mm (0.39 in)**
Flux Density	**1.05 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

DESIGN

Magnet Material	**Neodymium Ring**
Woofer Cone Treatment	**WP Waterproof Front Side**

MOUNTING AND SHIPPING INFO

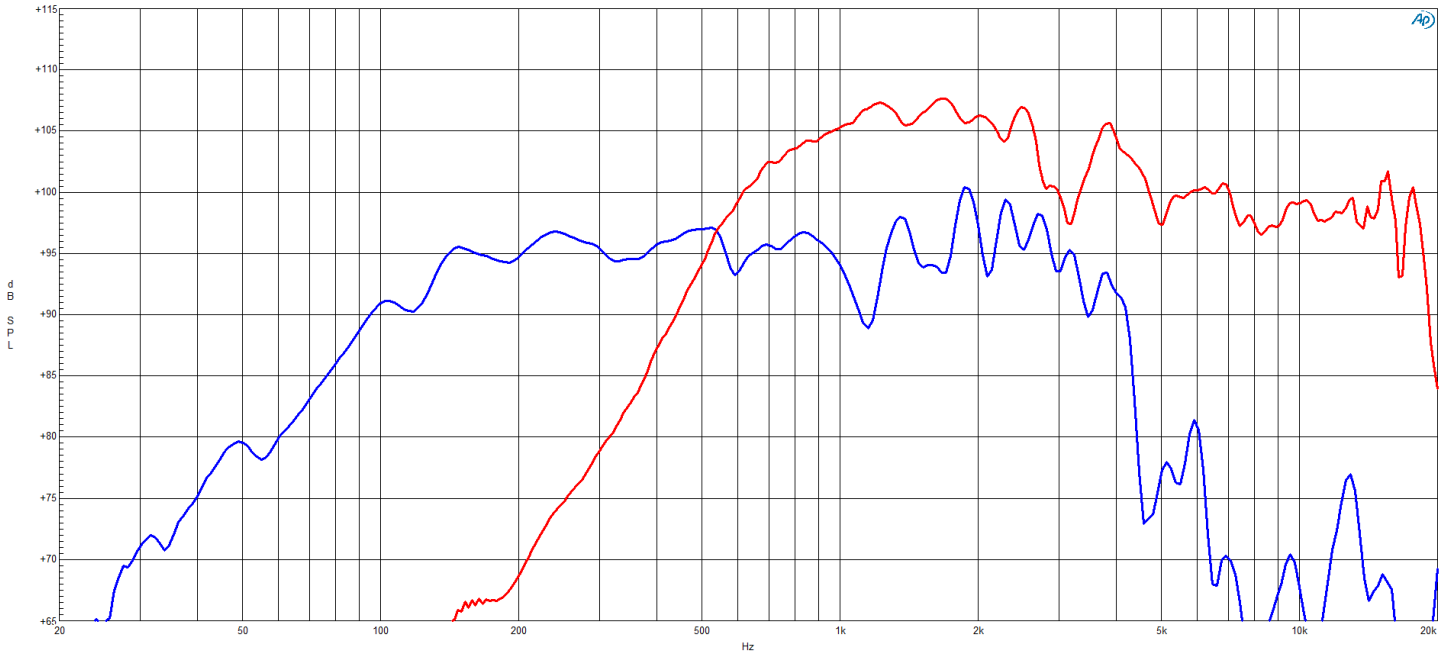
Overall Diameter	**359 mm (14.13 in)**
Bolt Circle Diameter	**343 mm (323 in)**
Baffle Cutout Diameter	**326 mm (12.83 in)**
Depth	**200 mm (7.87 in)**
Flange and Gasket Thickness	**15 mm (0.59 in)**
Net Weight	**7.4 kg (16.31 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**9 kg (19.84 lb)**
Shipping Box	**500x495x275 mm (19.69x19.49x10.83 in)**

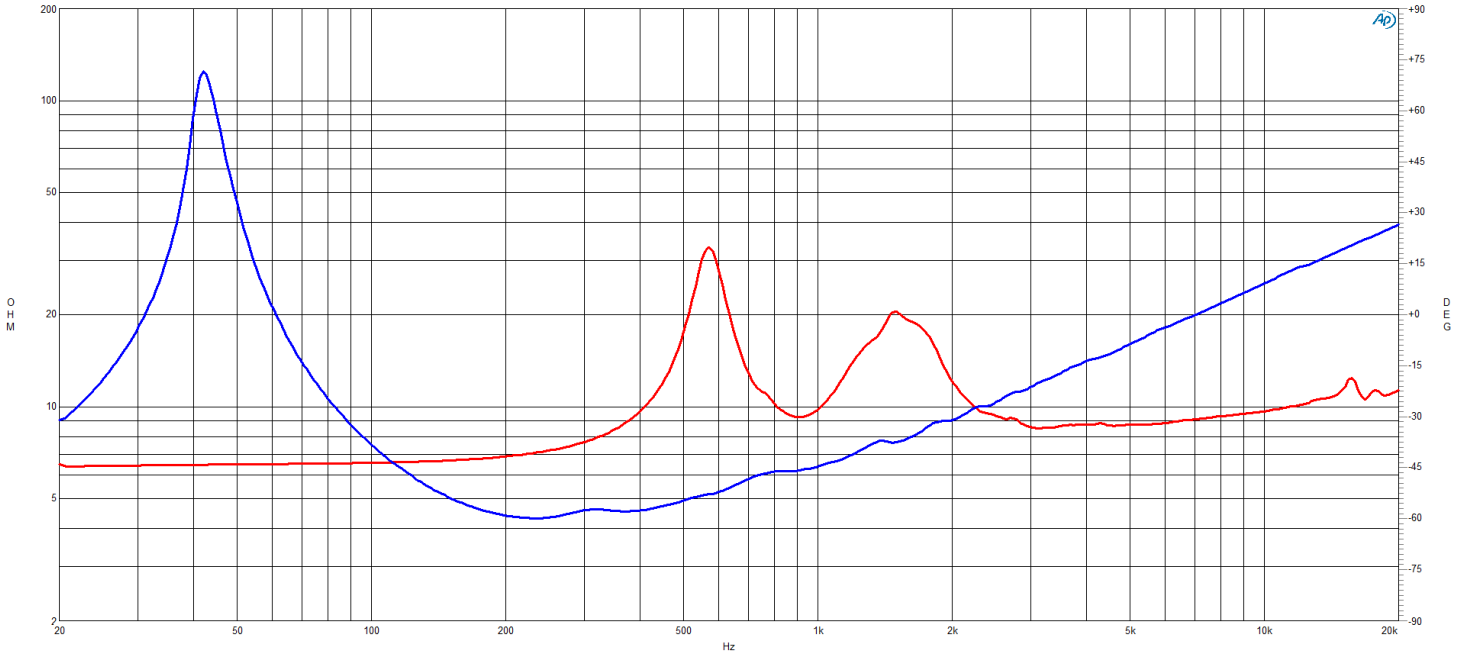
SERVICE KITS

HF replacement-diaphragm	**MMD3DTN8M**
LF recone-kits	**RCK14CXN884**

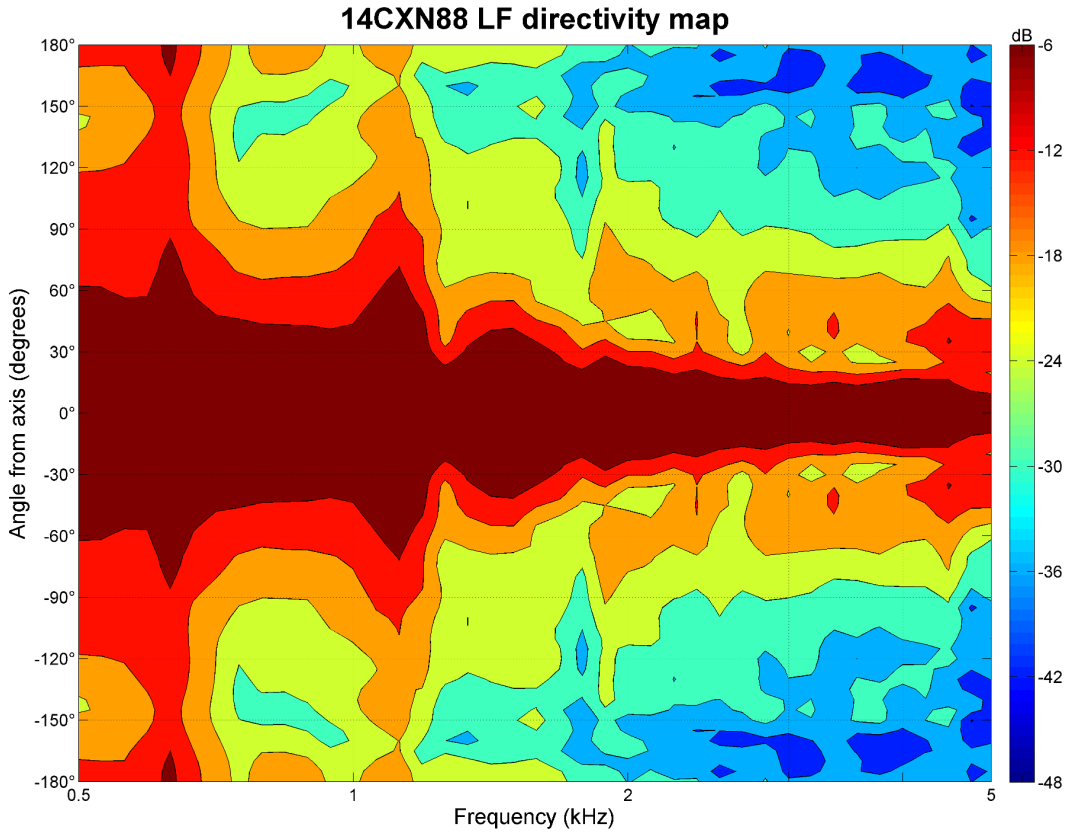
B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

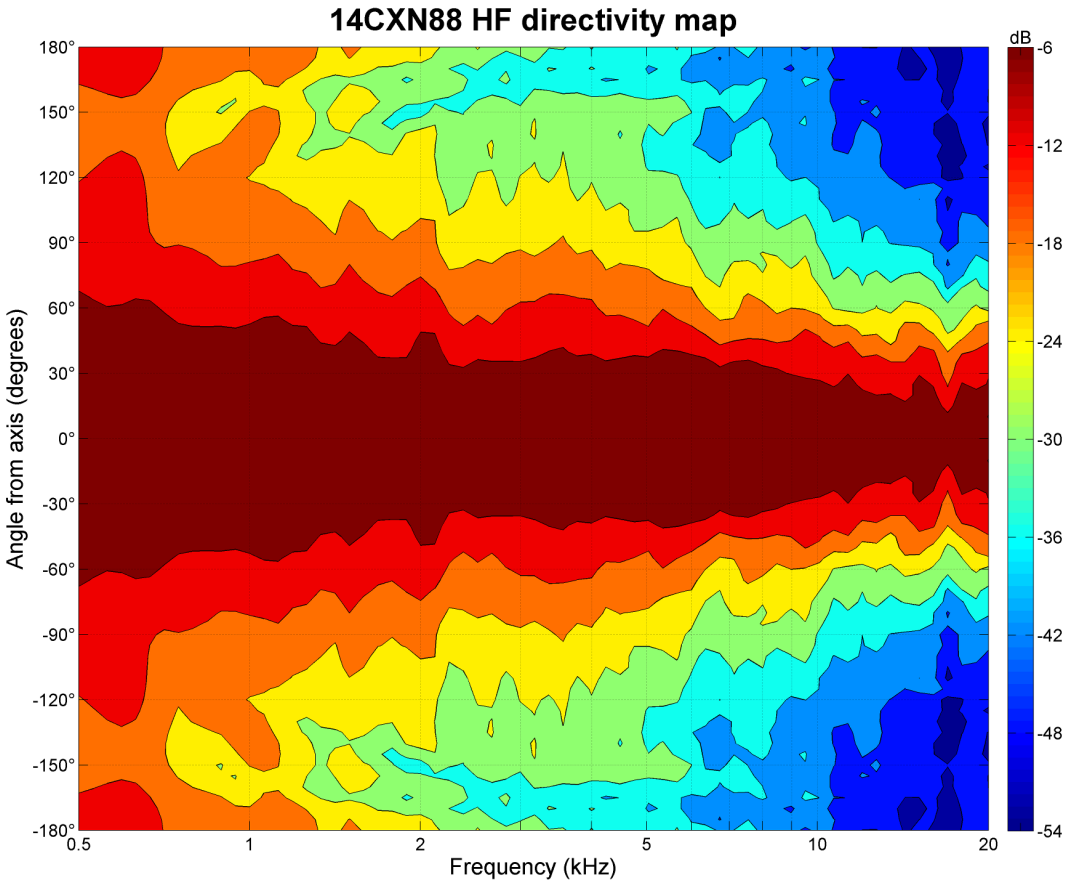
14CXN88 4 Ω


dB SPL
+115
+110
+105
+100
+95
+90
+85
+80
+75
+70
+65
20
50
100
200
500
1k
2k
5k
10k
20k
Hz


OHM
200
100
50
20
10
5
2
DEG
+90
+75
+60
+45
+30
+15
+0
-15
-30
-45
-60
-75
-90
20
50
100
200
500
1k
2k
5k
10k
20k
Hz

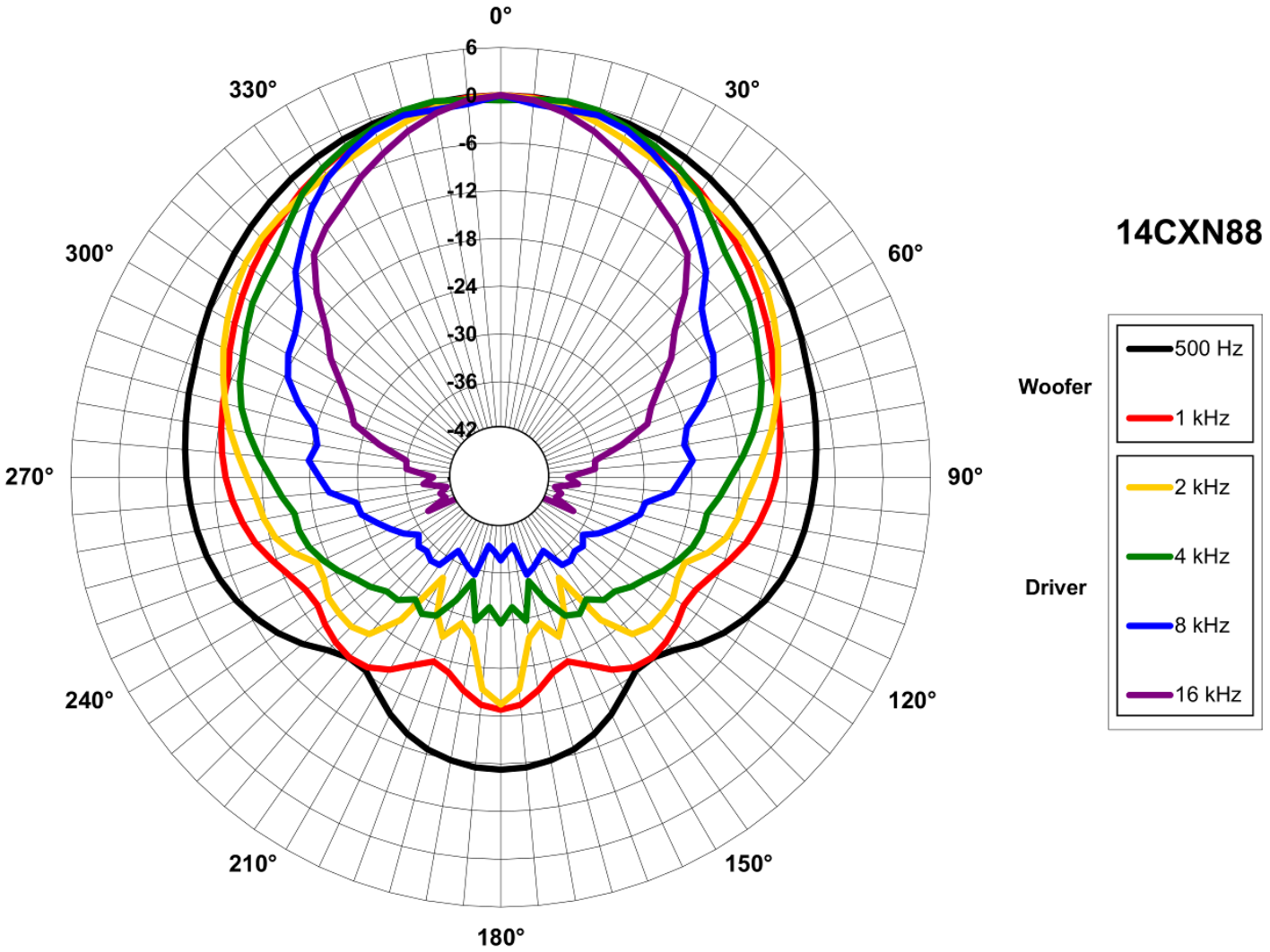
14CXN88 4 Ω



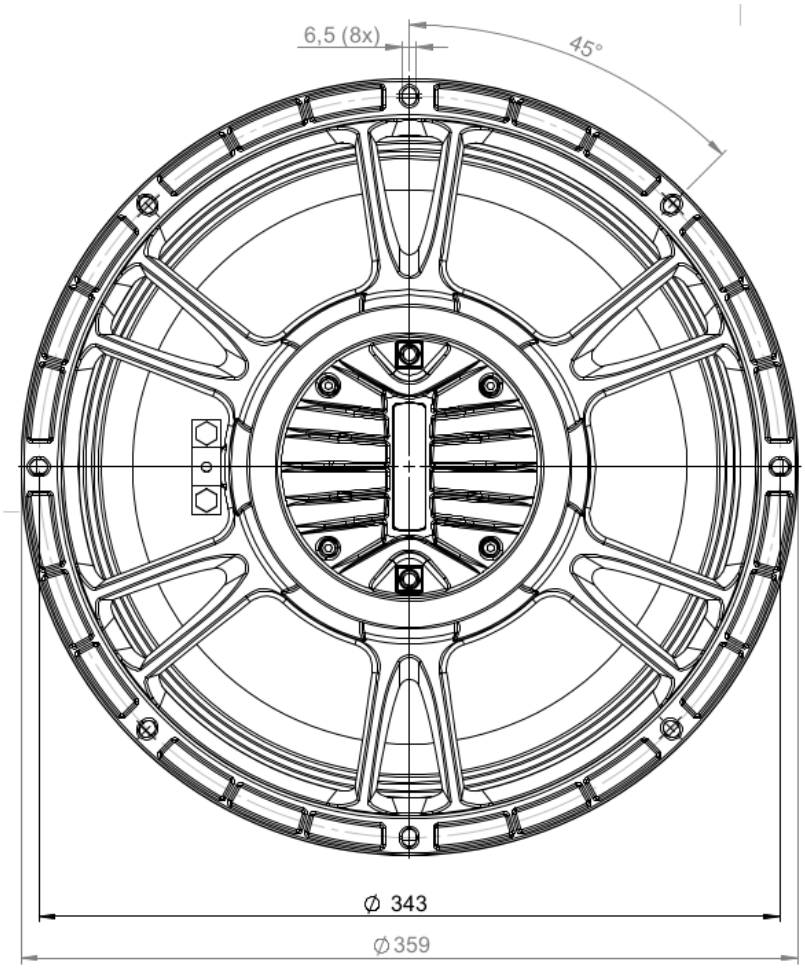


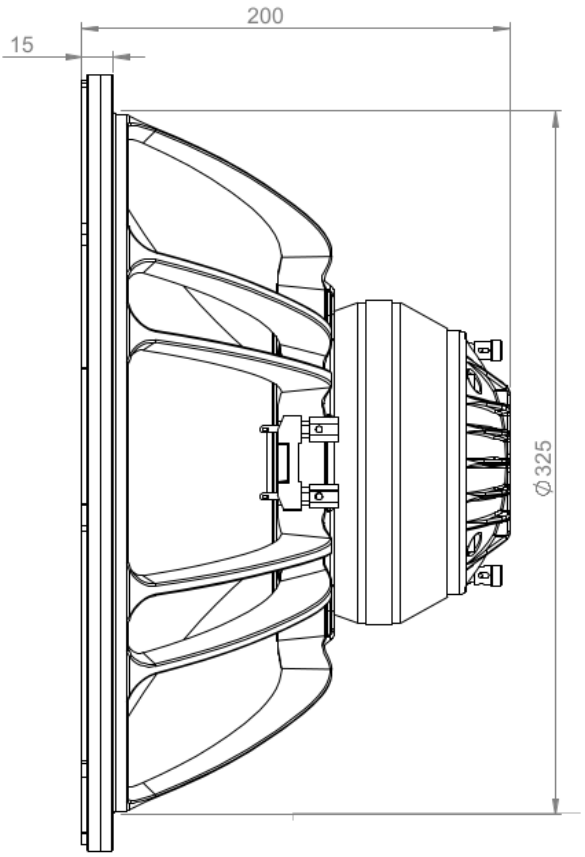
B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

14CXN88 4 Ω


0°
30°
60°
90°
120°
150°
180°
210°
240°
270°
300°
330°
6
0
-6
-12
-18
-24
-30
-36
-42
14CXN88
Woofer
500 Hz
1 kHz
Driver
2 kHz
4 kHz
8 kHz
16 kHz

14CXN88 4 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