# 6MDN44 8 Ω

Midrange

- 400 W continuous program power capacity
- 44 mm (1.7 in) aluminium voice coil
- 150 - 6000 Hz response
- 96.5 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium demodulating ring for very low distortion
- Ventilated voice coil gap for reduced power compression







**B&C Speakers S.p.A.** Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
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## SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | **170 mm (6.5 in)** |
| Nominal Impedance | **8 Ω** |
| Minimum Impedance | **6.5 Ω** |
| Nominal Power Handling<br>2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air. | **200 W** |
| Continuous Power Handling<br>Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | **400 W** |
| Sensitivity<br>Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance. | **96.5 dB** |
| Frequency Range | **150 Hz - 6000 Hz** |
| Voice Coil Diameter | **44 mm (1.7 in)** |
| Winding Material | **Aluminium** |
| Former Material | **Glass Fibre** |
| Winding Depth | **10 mm (0.37 in)** |
| Magnetic Gap Depth | **6 mm (0.25 in)** |
| Flux Density | **1.45 T** |
| Woofer Cone Treatment | **WP Waterproof Front Side** |

## PARAMETERS

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

| | |
|---|---|
| Fs | **140 Hz** |
| Re | **5.4 Ω** |
| Qes | **0.46** |
| Qms | **2.8** |
| Qts | **0.4** |
| Vas | **2.7 $dm^3$ (0.09 $ft^3$)** |
| Sd | **132 $cm^2$ (20.5 $in^2$)** |
| η0 | **1.6 %** |
| Xmax | **2.5 mm** |
| Xvar | **3 mm** |
| Mms | **11 g** |
| Bl | **11 Tm** |
| Le | **0.47 mH** |
| EBP | **304 Hz** |

## DESIGN

| | |
|---|---|
| Surround Shape | **Triple Roll** |
| Cone Shape | **Exponential** |
| Magnet Material | **Neodymium Ring** |
| Spider | **Single** |
| Pole Design | **T-Pole** |
| Woofer Cone Treatment | **WP Waterproof Front Side** |

## MOUNTING AND SHIPPING INFO

| | |
|---|---|
| Overall Diameter | **187 mm (7.4 in)** |
| Bolt Circle Diameter | **172 mm (6.7 in)** |
| Baffle Cutout Diameter | **145 mm (5.7 in)** |
| Depth | **73 mm (2.9 in)** |
| Flange and Gasket Thickness | **11 mm (0.4 in)** |
| Air Volume Occupied by Driver | **0.6 $dm^3$ (0.02 $ft^3$)** |
| Net Weight | **1 kg (1.2 lb)** |
| Shipping Units | **1 pcs** |
| Shipping Weight | **1.2 kg (2.65 lb)** |
| Shipping Box | **210x210x125 mm (8.27x8.27x4.92 in)** |

## SERVICE KITS

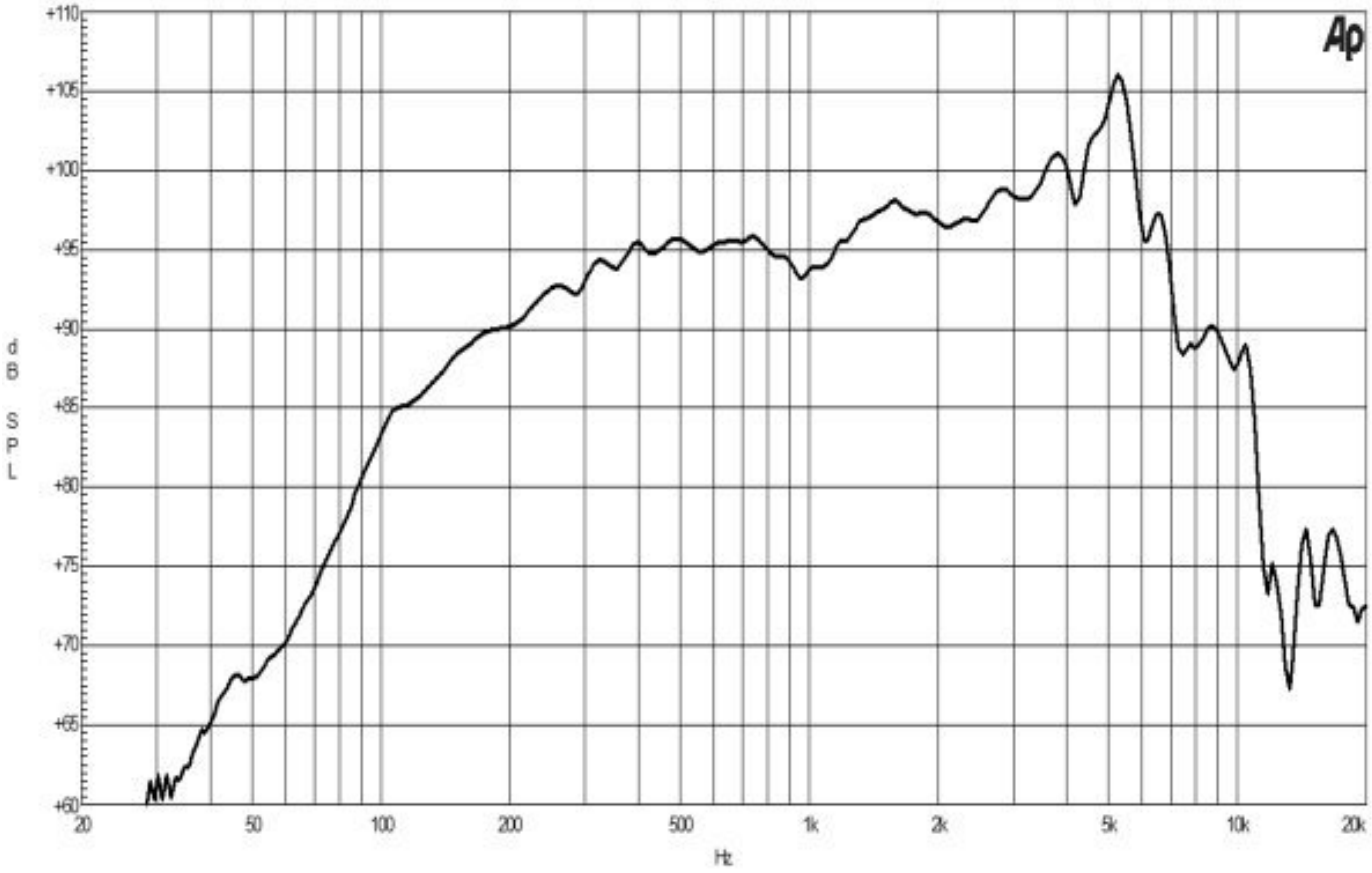
| | |
|---|---|
| LF recone-kits | **RCK06MDN448** |

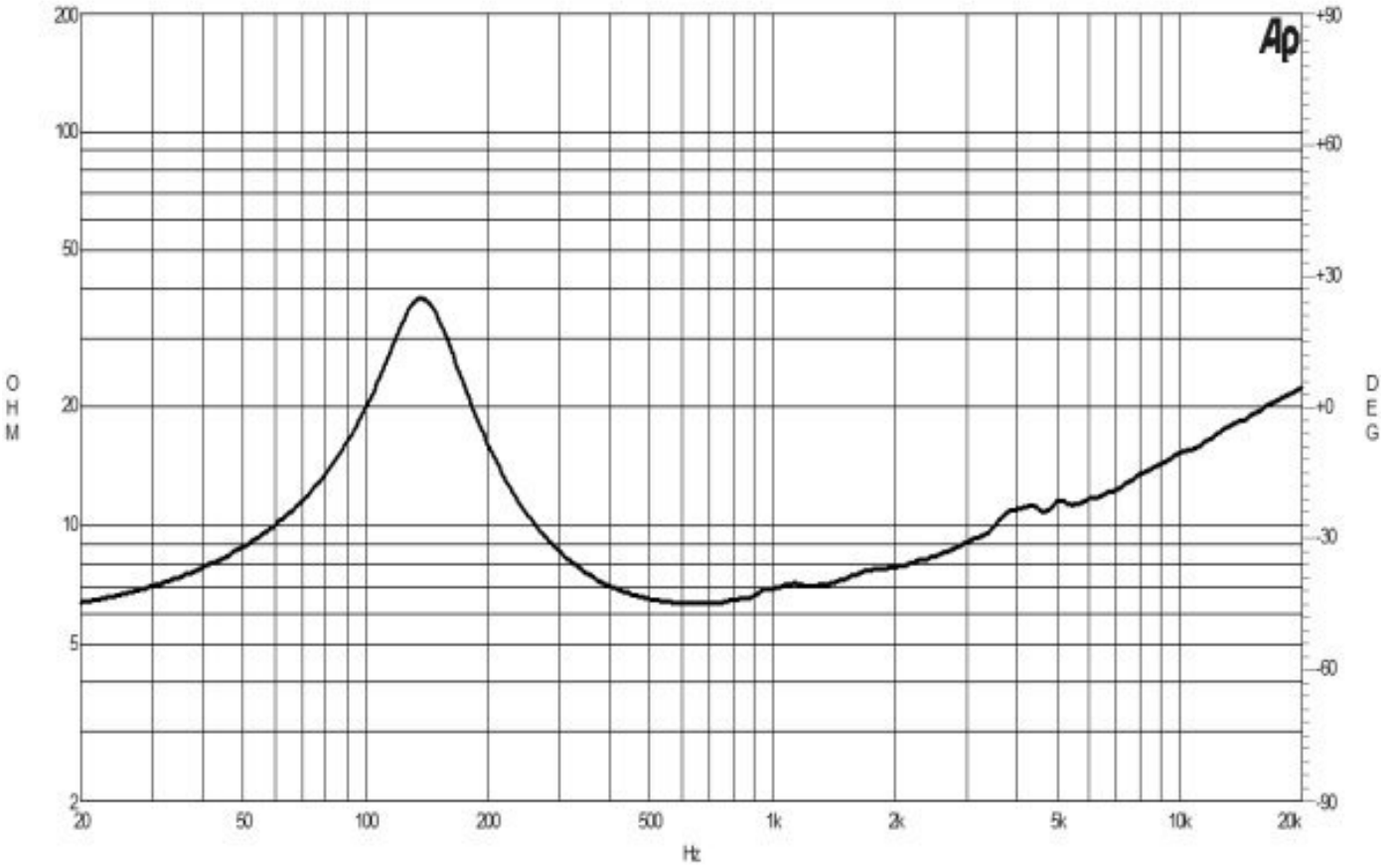


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