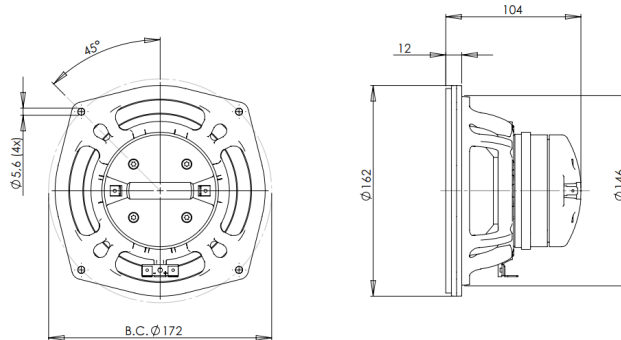


# 6HCX51

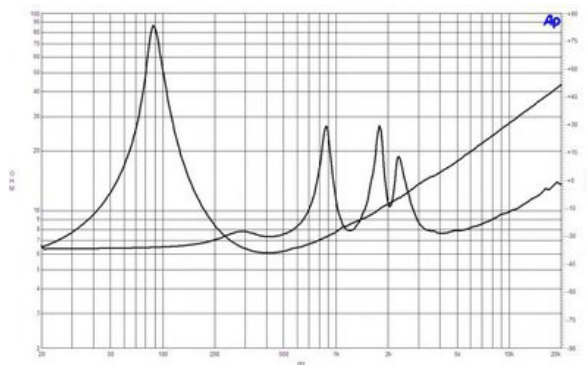
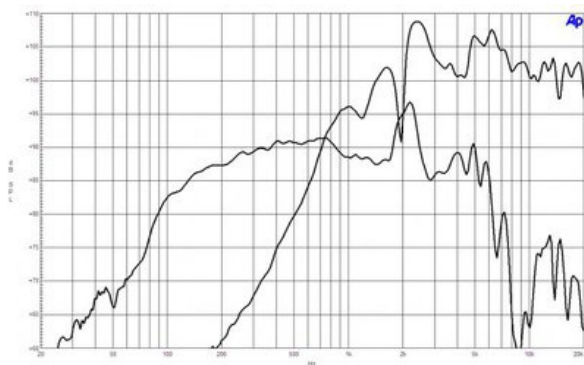
**8Ω****Coaxials - 6.5 Inches**

- 300 W continuous program power capacity
- 70° nominal coverage
- 90 - 18000 Hz response
- 92 dB sensitivity
- Single Neodymium magnet assembly
- 20.1 mm (0.79") HF unit exit diameter



# 6HCX51

Coaxials- 6.5 Inches



## SPECIFICATIONS

|                               |                 |
|-------------------------------|-----------------|
| Nominal Diameter              | 170 mm (6.5 in) |
| Nominal Impedance             | 8 Ω             |
| Minimum Impedance LF          | 6.0 Ω           |
| Minimum Impedance HF          | 7.5 Ω           |
| Frequency Range               | 90 - 18000 Hz   |
| Dispersion Angle <sup>1</sup> | 70 °            |
| Magnet Material               | Neodymium Ring  |

## SPECIFICATIONS LF UNIT

|   |                   |
|---|-------------------|
| LF Sensitivity <sup>2</sup>               | 92.0 dB           |
| LF Nominal Power Handling <sup>3</sup>    | 150 W             |
| LF Continuous Power Handling <sup>4</sup> | 300 W             |
| LF Voice Coil Diameter                    | 51 mm (2.0 in)    |
| LF Winding Material                       | Copper            |
| LF Flux Density                           | 1.1 T             |
| Former Material                           | Kapton            |
| Winding Depth                             | 13.0 mm (0.51 in) |
| Magnetic Gap Depth                        | 6.0 mm (0.24 in)  |

## SPECIFICATIONS HF UNIT

|   |                |
|---|----------------|
| HF Sensitivity <sup>5</sup>               | 105.0 dB       |
| HF Nominal Power Handling <sup>6</sup>    | 25 W           |
| HF Continuous Power Handling <sup>7</sup> | 50 W           |
| HF Voice Coil Diameter                    | 36 mm (1.4 in) |
| HF Winding Material                       | Aluminium      |
| HF Flux Density                           | 1.8 T          |
| Diaphragm Material                        | Polyester      |
| Recommended Crossover <sup>8</sup>        | 2.2 kHz        |
| Inductance                                | 0.06 mH        |

## PARAMETERS

|                     |   |
|---------------------|---|
| Resonance Frequency | 89 Hz   |
| Re                  | 5.2 Ω   |
| Qes                 | 0.4   |
| Qms                 | 7.5   |
| Qts                 | 0.38  |
| Vas                 | 5.0 dm <sup>3</sup> (0.18 ft <sup>3</sup> )   |
| Sd                  | 132.0 cm <sup>2</sup> (20.5 in <sup>2</sup> ) |
| η <sub>o</sub>      | 0.8 %   |
| X <sub>max</sub>    | 5.0 mm  |
| X <sub>var</sub>    | 5.5 mm  |
| M <sub>ms</sub>     | 16.0 g  |
| Bl                  | 10.9 Txm                                      |
| Le                  | 0.8 mH  |
| EBP                 | 222 Hz  |

## MOUNTING AND SHIPPING INFO

|                             |                                      |
|-----------------------------|--------------------------------------|
| Overall Diameter            | 187 mm (7.4 in)                      |
| Bolt Circle Diameter        | 172 mm (6.7 in)                      |
| Baffle Cutout Diameter      | 146 mm (5.75 in)                     |
| Depth                       | 104 mm (4.1 in)                      |
| Flange and Gasket Thickness | 11 mm (0.4 in)                       |
| Net Weight                  | 1.55 kg (3.4 lb)                     |
| Shipping Units              | 1                                    |
| Shipping Weight             | 2.0 kg (4.41 lb)                     |
| Shipping Box                | 255x255x150 mm (10.04x10.04x5.91 in) |

## SERVICE KIT

|                       |             |
|-----------------------|-------------|
| Service Kit LF        | RCK06HCX518 |
| Replacement diaphragm | MMD0128     |

1. Included by -6 dB down points.
2. Applied RMS Voltage is set to 2.83V.
3. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated nominal impedance. Loudspeaker in free air.
4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
5. Applied RMS Voltage is set to 2.83V.
6. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated nominal impedance. Loudspeaker in free air.
7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
8. 12 dB/oct. or higher slope high-pass filter.

**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