

# COAX

**ECX 100.5 120W**

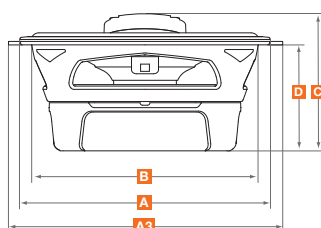


## Technical Specifications

| Component               | -            | Two way coaxial                 |
|-------------------------|--------------|---------------------------------|
| Woofer size             | mm (in.)     | 100 (4)                         |
| Tweeter diaphragm       | mm (in.)     | 24 (0.9)                        |
| Power handling          | W peak       | 120                             |
|                         | W continuous | 40                              |
| Impedance               | Ω            | 4                               |
| Frequency response      | Hz           | 80 ÷ 23k                        |
| Sensitivity             | dB SPL       | 92                              |
| Magnet size D-d-h       | mm (in.)     | 70 x 32 x 10 (2.7 x 1.26 x 0.4) |
| Woofer Voice coil Ø     | mm (in.)     | 25 (1)                          |
| Tweeter Voice coil Ø    | mm (in.)     | 15 (0.6)                        |
| Woofer magnet           | -            | High density flux ferrite       |
| Tweeter magnet          | -            | Neodymium                       |
| Woofer cone             | -            | Water-repellent pressed paper   |
| Tweeter dome            | -            | PEI                             |
| Weight of one component | kg (lb.)     | 0,47 (1.04)                     |

## Electro-Acoustic Parameters

|      |      |      |
|------|------|------|
| D    | mm   | 88   |
| Xmax | mm   | 2    |
| Re   | Ω    | 3    |
| Fs   | Hz   | 102  |
| Le   | mH   | -    |
| Vas  | l    | 2,5  |
| Mms  | g    | 4,8  |
| Cms  | mm/N | 0,52 |
| BL   | T·m  | 3,5  |
| Qts  | -    | 0,61 |
| Qes  | -    | 0,76 |
| Qms  | -    | 3,1  |
| Spl  | dB   | 92   |



|    |        |          |
|----|--------|----------|
| A  | 103 mm | 4 in.    |
| A3 | 130 mm | 5.12 in. |
| B  | 93 mm  | 3.66 in. |
| C  | 58 mm  | 2.28 in. |
| D  | 44 mm  | 1.73 in. |

1. Water-repellent treated paper cone, butyl rubber surround.
2. Pure copper voice coil wound on aluminium former, for very good thermal and mechanical capacity.
3. Large motor assembly for excellent mobile voice coil control.
4. Low carbon content plates for maximum magnetic permeability and high heat dissipation.
5. Rubber magnet cover provides damping to the basket and motor structure and protects from abrasions and damages.
6. DIN size basket coated with scratch-proof, corrosive-resistant material.
7. Tin-plated, high current terminals.
8. Silver-plated lead wires, for maximum reliability and conductivity.
9. Epoxy glue for basket and motor system provides perfect coupling.
10. Curve memory Nomex spider for consistent, reliable performance.
11. High energy neodymium magnet tweeter.
12. RHFC, Rotary High Frequency Contour; adjustable for perfect off-axis dispersion and frequency response, according to the listening position.

