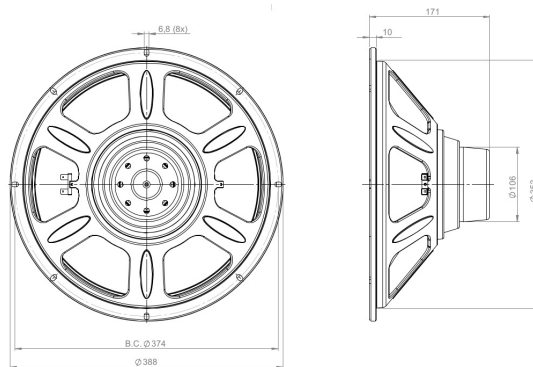


15CLA76

8Ω**LF Drivers - 15.0 Inches**

- 700 W continuous program power capacity
- 76 mm (3 in) CCAW voice coil
- 40 - 3000 Hz response
- 99 dB sensitivity
- Ventilated voice coil gap for reduced power compression

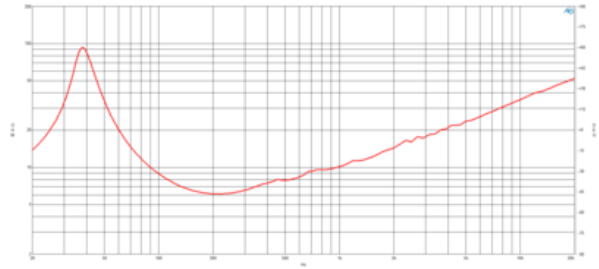
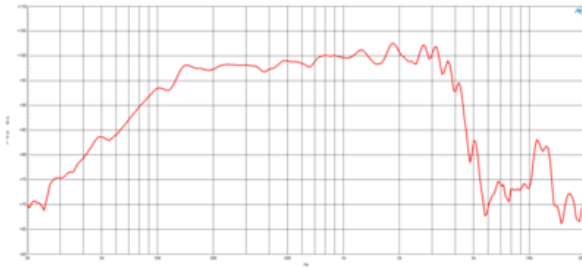


Description

Careful optimization of our lightest woofer series, now offered with a high temperature copper-clad aluminum voice coil, is rewarded with higher sensitivity and smoother high frequency response. An efficiently designed motor makes these a good fit for many more applications, especially where flown, and manufacturing design means the CLA series can be price competitive with ferrite motor designs offering similar performance.

15CLA76

LF Drivers- 15.0 Inches



SPECIFICATIONS

| | |
|--|-------------------|
| Nominal Diameter | 380 mm (15.0 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.0 Ω |
| Nominal Power Handling ¹ | 350 W |
| Continuous Power Handling ² | 700 W |
| Sensitivity ³ | 99.0 dB |
| Frequency Range | 40 - 3000 Hz |
| Voice Coil Diameter | 76 mm (3.0 in) |
| Winding Material | CCAW |
| Former Material | Glass Fibre |
| Winding Depth | 16.0 mm (0.63 in) |
| Magnetic Gap Depth | 11.0 mm (0.43 in) |
| Flux Density | 1.2 T |

DESIGN

| | |
|-----------------------|---|
| Surround Shape | Triple Roll |
| Cone Shape | Exponential |
| Magnet Material | Neodymium Inside Slug |
| Spider | Single |
| Pole Design | Straight Pole |
| Woofer Cone Treatment | WP Waterproof Front Side |
| Recommended Enclosure | 100.0 dm ³ (3.53 ft ³) |
| Recommended Tuning | 50 Hz |

PARAMETERS⁴

| | |
|---------------------|---|
| Resonance Frequency | 40 Hz |
| Re | 5.2 Ω |
| Qes | 0.31 |
| Qms | 6.9 |
| Qts | 0.3 |
| Vas | 176.0 dm ³ (6.22 ft ³) |
| Sd | 855.0 cm ² (132.53 in ²) |
| η _o | 3.5 % |
| Xmax | 5.5 mm |
| Xvar | 7.5 mm |
| Mms | 93.0 g |
| Bl | 19.8 Txm |
| Le | 0.5 mH |
| EBP | 129 Hz |

MOUNTING AND SHIPPING INFO

| | |
|-------------------------------|---|
| Overall Diameter | 388 mm (15.28 in) |
| Bolt Circle Diameter | 374 mm (14.72 in) |
| Baffle Cutout Diameter | 353.0 mm (13.9 in) |
| Depth | 171 mm (6.73 in) |
| Flange and Gasket Thickness | 10 mm (0.39 in) |
| Air Volume Occupied by Driver | 4.4 dm ³ (0.16 ft ³) |
| Net Weight | 3.9 kg (8.6 lb) |
| Shipping Units | 1 |
| Shipping Weight | 5.2 kg (11.46 lb) |
| Shipping Box | 425x425x224 mm (16.73x16.73x8.82 in) |

SERVICE KIT

RCK15CLA768

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated nominal impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

B&C Speakers s.p.a.

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