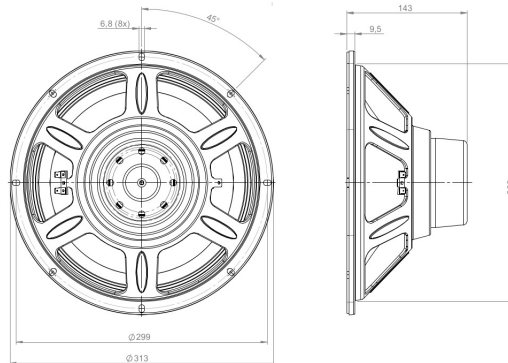


12CLA76

8Ω**LF Drivers - 12.0 Inches**

- 700 W continuous program power capacity
- 76 mm (3 in) copper clad aluminum voice coil
- 50 - 3000 Hz response
- 98.5 dB sensitivity
- Ventilated voice coil gap for reduced power compression

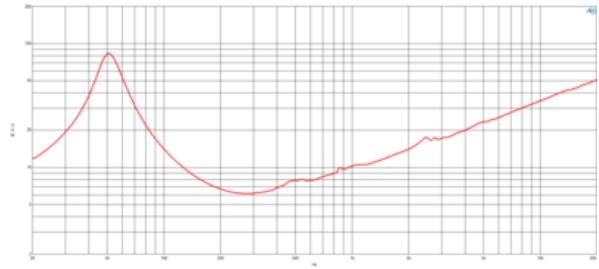
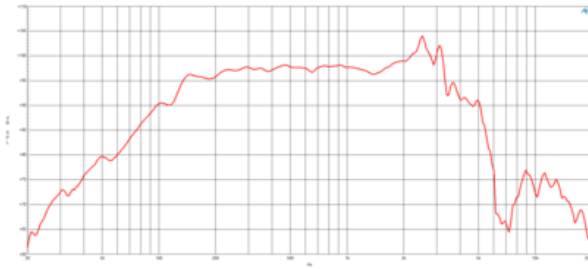


Description

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.

12CLA76

LF Drivers- 12.0 Inches



SPECIFICATIONS

| | |
|--|-------------------|
| Nominal Diameter | 320 mm (12.0 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.1 Ω |
| Nominal Power Handling ¹ | 350 W |
| Continuous Power Handling ² | 700 W |
| Sensitivity ³ | 98.5 dB |
| Frequency Range | 50 - 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 | 40.0 dm ³ (1.41 ft ³) |
| Recommended Tuning | 60 Hz |

PARAMETERS⁴

| | |
|---------------------|--|
| Resonance Frequency | 52 Hz |
| Re | 5.1 Ω |
| Qes | 0.26 |
| Qms | 4.9 |
| Qts | 0.25 |
| Vas | 56.0 dm ³ (1.98 ft ³) |
| Sd | 522.0 cm ² (80.91 in ²) |
| η _o | 2.9 % |
| Xmax | 5.3 mm |
| Xvar | 6.5 mm |
| Mms | 64.0 g |
| Bl | 20.2 Txm |
| Le | 0.44 mH |
| EBP | 200 Hz |

MOUNTING AND SHIPPING INFO

| | |
|-------------------------------|---|
| Overall Diameter | 313 mm (12.32 in) |
| Bolt Circle Diameter | 299 mm (11.77 in) |
| Baffle Cutout Diameter | 283.0 mm (11.14 in) |
| Depth | 143 mm (5.63 in) |
| Flange and Gasket Thickness | 9 mm (0.37 in) |
| Air Volume Occupied by Driver | 2.3 dm ³ (0.08 ft ³) |
| Net Weight | 3.4 kg (7.5 lb) |
| Shipping Units | 1 |
| Shipping Weight | 4.3 kg (9.48 lb) |
| Shipping Box | 360x360x200 mm (14.17x14.17x7.87 in) |

SERVICE KIT

RCK12CLA768

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.