

12CLA76 8 Ω**Woofer**

- 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

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 8 Ω
Woofers
SPECIFICATIONS

| | |
|---|---------------------------------|
| Nominal Diameter | 320 mm (12 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.1 Ω |
| Nominal Power Handling | 350 W |
| 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air. | |
| Continuous Power Handling | 700 W |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | |
| Sensitivity | 98.5 dB |
| Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance. | |
| Frequency Range | 50 Hz - 3000 Hz |
| Voice Coil Diameter | 76 mm (3 in) |
| Winding Material | CCAW |
| Former Material | Glass Fibre |
| Winding Depth | 16 mm (0.63 in) |
| Magnetic Gap Depth | 11 mm (0.43 in) |
| Flux Density | 1.2 T |
| Woofers Cone Treatment | WP Waterproof Front Side |

PARAMETERS

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

| | |
|------------------|--|
| Fs | 52 Hz |
| Re | 5.1 Ω |
| Qes | 0.26 |
| Qms | 4.9 |
| Qts | 0.25 |
| Vas | 56 dm³ (1.98 ft³) |
| Sd | 522 cm² (80.91 in²) |
| η ₀ | 2.9 % |
| X _{max} | 5.3 mm |
| X _{var} | 6.5 mm |
| M _{ms} | 64 g |
| Bl | 20.2 Tm |
| Le | 0.44 mH |
| EBP | 200 Hz |

DESIGN

| | |
|------------------------|--|
| Surround Shape | Triple Roll |
| Cone Shape | Exponential |
| Magnet Material | Neodymium Inside Slug |
| Spider | Single |
| Pole Design | Straight Pole |
| Woofers Cone Treatment | WP Waterproof Front Side |
| Recommended Enclosure | 40 dm³ (1.41 ft³) |
| Recommended Tuning | 60 Hz |

MOUNTING AND SHIPPING INFO

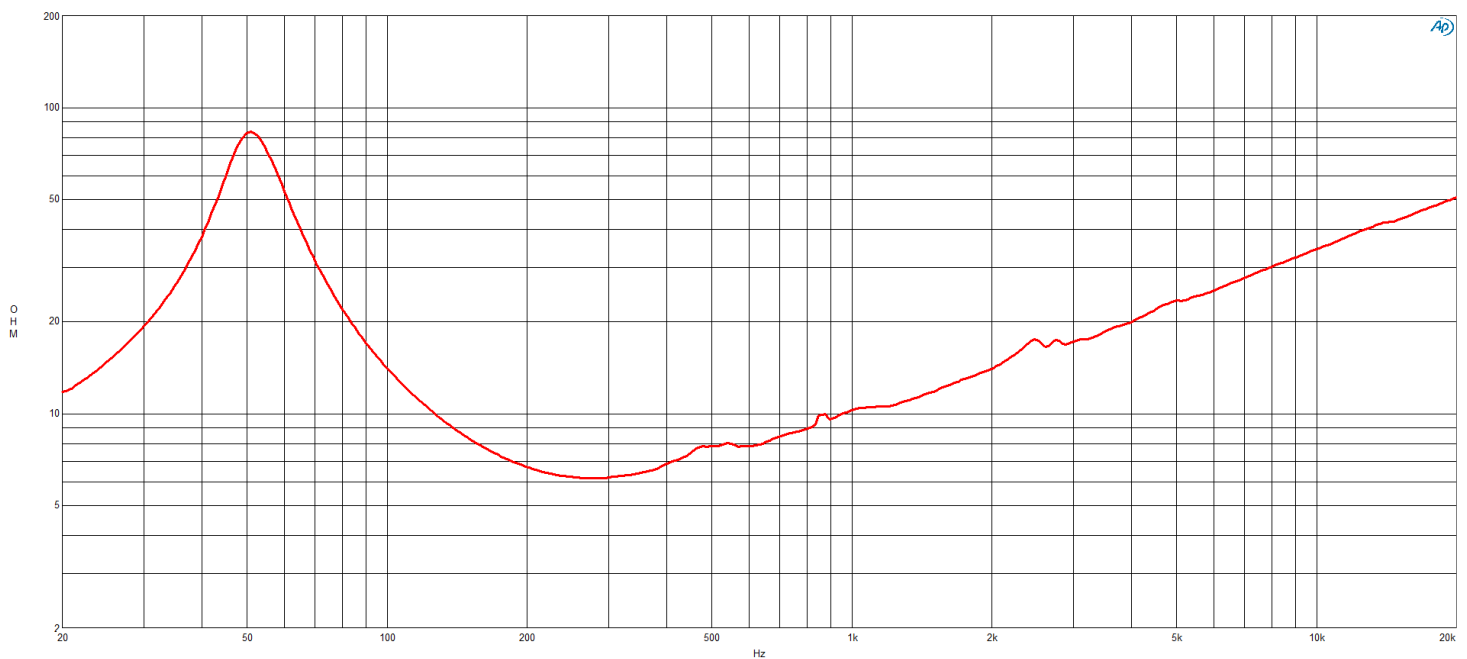
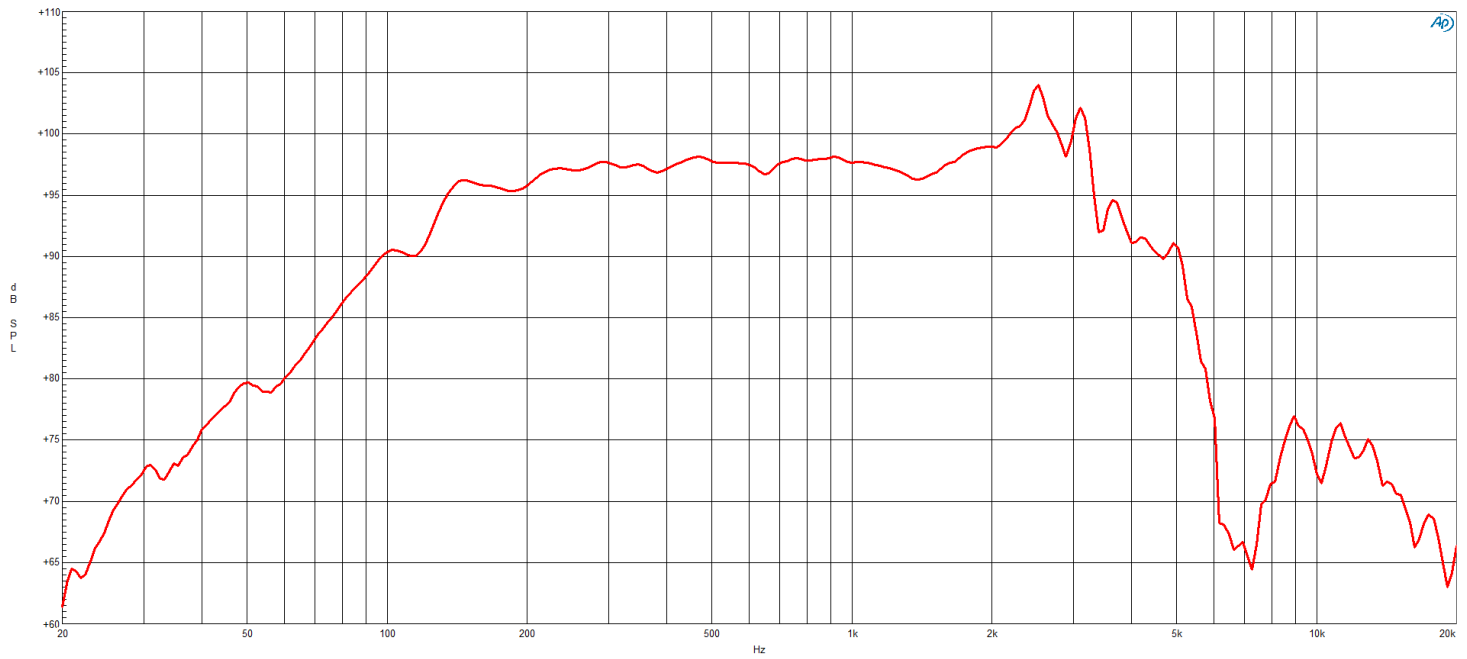
| | |
|-------------------------------|---|
| Overall Diameter | 313 mm (12.32 in) |
| Bolt Circle Diameter | 299 mm (11.77 in) |
| Baffle Cutout Diameter | 283 mm (11.14 in) |
| Depth | 143 mm (5.63 in) |
| Flange and Gasket Thickness | 9 mm (0.37 in) |
| Air Volume Occupied by Driver | 2.3 dm³ (0.08 ft³) |
| Net Weight | 3.3 kg (7.28 lb) |
| Shipping Units | 1 pcs |
| Shipping Weight | 4.2 kg (9.26 lb) |
| Shipping Box | 360x360x200 mm (14.17x14.17x7.87 in) |

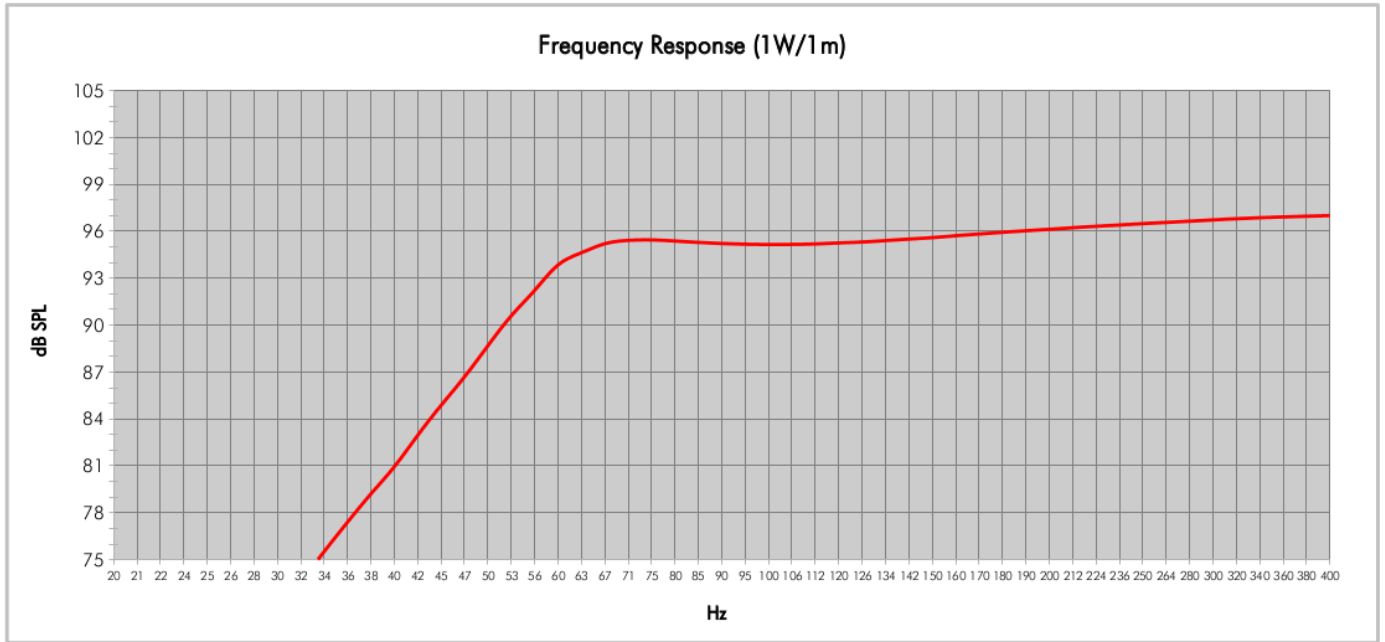
SERVICE KITS

| | |
|----------------|--------------------|
| LF recone-kits | RCK12CLA768 |
|----------------|--------------------|

12CLA76 8 Ω

Woofers





| | | | |
|-------------------------------|--------------------|-------------------------------|-------------------|
| Model: | 12CLA76 | Configuration: | One Driver |
| Enclosure Type: | Bass Reflex | | |
| Internal Net Volume (Litres): | 40 | QB: | 7 |
| Tuning Frequency (Hz): | 60 | Port Area (cm ²): | 160,0 |
| Frequency (-3 dB) (Hz): | 62,2 | Port Length (cm): | 21,0 |
| Frequency (-10 dB) (Hz): | 48,2 | | |

12CLA76 8 Ω

Woofer

