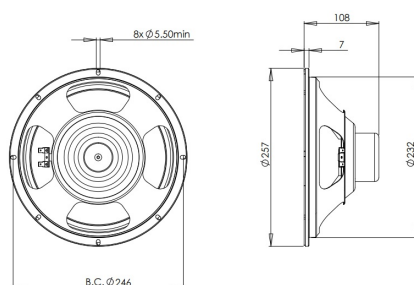


# 10CL51

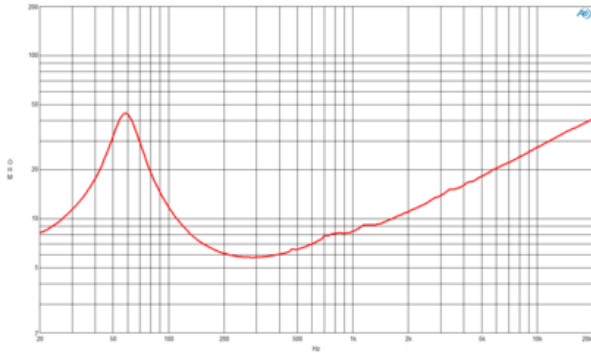
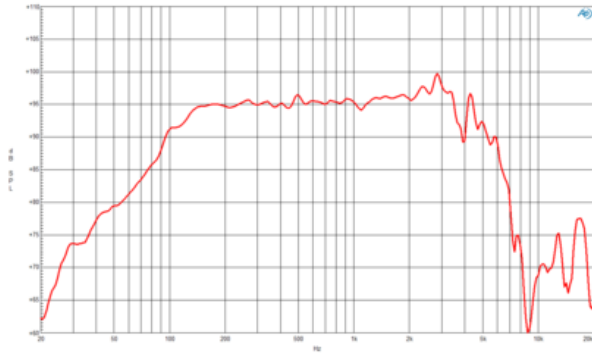
**8Ω****LF Drivers** - 10.0 Inches

- 300 W continuous program power capacity
- 51 mm (2 in) aluminium voice coil
- 60 - 4000 Hz response
- 96 dB sensitivity



# 10CL51

LF Drivers- 10.0 Inches



## SPECIFICATIONS

|                                        |                   |
|----------------------------------------|-------------------|
| Nominal Diameter                       | 250 mm (10.0 in)  |
| Nominal Impedance                      | 8 $\Omega$        |
| Minimum Impedance                      | 5.8 $\Omega$      |
| Nominal Power Handling <sup>1</sup>    | 150 W             |
| Continuous Power Handling <sup>2</sup> | 300 W             |
| Sensitivity <sup>3</sup>               | 96.0 dB           |
| Frequency Range                        | 60 - 4000 Hz      |
| Voice Coil Diameter                    | 51 mm (2.0 in)    |
| Winding Material                       | Aluminium         |
| Former Material                        | Glass Fibre       |
| Winding Depth                          | 15.0 mm (0.59 in) |
| Magnetic Gap Depth                     | 8.0 mm (0.31 in)  |
| Flux Density                           | 1.05 T            |

## DESIGN

|                       |                                              |
|-----------------------|----------------------------------------------|
| Surround Shape        | Double Roll                                  |
| Cone Shape            | Exponential                                  |
| Magnet Material       | Neodymium Inside Slug                        |
| Spider                | Single                                       |
| Pole Design           | Straight Pole                                |
| Woofer Cone Treatment | None                                         |
| Recommended Enclosure | 32.0 dm <sup>3</sup> (1.13 ft <sup>3</sup> ) |
| Recommended Tuning    | 58 Hz                                        |

## PARAMETERS<sup>4</sup>

|                     |                                               |
|---------------------|-----------------------------------------------|
| Resonance Frequency | 58 Hz                                         |
| Re                  | 5.2 $\Omega$                                  |
| Qes                 | 0.42                                          |
| Qms                 | 3.5                                           |
| Qts                 | 0.38                                          |
| Vas                 | 36.0 dm <sup>3</sup> (1.27 ft <sup>3</sup> )  |
| Sd                  | 320.0 cm <sup>2</sup> (49.6 in <sup>2</sup> ) |
| $\eta_o$            | 1.57 %                                        |
| Xmax                | 5.5 mm                                        |
| Xvar                | 5.5 mm                                        |
| Mms                 | 30.5 g                                        |
| Bl                  | 11.6 Txm                                      |
| Le                  | 0.8 mH                                        |
| EBP                 | 138 Hz                                        |

## MOUNTING AND SHIPPING INFO

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Overall Diameter              | 257 mm (10.1 in)                            |
| Bolt Circle Diameter          | 246 mm (9.7 in)                             |
| Baffle Cutout Diameter        | 232.0 mm (9.1 in)                           |
| Depth                         | 108 mm (4.25 in)                            |
| Flange and Gasket Thickness   | 7 mm (0.28 in)                              |
| Air Volume Occupied by Driver | 1.0 dm <sup>3</sup> (0.03 ft <sup>3</sup> ) |
| Net Weight                    | 1.2 kg (2.6 lb)                             |
| Shipping Units                | 1                                           |
| Shipping Weight               | 1.8 kg (4.0 lb)                             |
| Shipping Box                  | 295x314x175 mm (11.61x12.36x6.89 in)        |

## SERVICE KIT

|            |
|------------|
| RCK10CL518 |
|------------|

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.