

# 12PLB76

## LF Drivers - 12 Inches

700 W continuous program power capacity  
 76 mm (3 in) aluminium voice coil  
 50 – 2000 Hz response  
 98.5 dB sensitivity



### Specification

|                              |                  |
|------------------------------|------------------|
| Nominal Diameter             | 320 mm (12 in)   |
| Nominal Impedance            | 8 ohm            |
| Minimum Impedance            | 6.4 ohm          |
| Continuous Power Handling    | 700 W            |
| Nominal Power Handling (AES) | 350 W            |
| Sensitivity (1W/1m)          | 99 dB            |
| Frequency Range              | 50 - 2000 Hz     |
| Voice Coil Diameter          | 76 mm (3 in)     |
| Winding Material             | Aluminium        |
| Former Material              | Glass Fibre      |
| Magnet Material              | Ceramic Ring     |
| Winding Depth                | 16 mm (0.62 in)  |
| Magnetic Gap Depth           | 10.5 mm (0.4 in) |
| Flux Density                 | 1.05 T           |

### Parameters

|     |         |
|-----|---------|
| Fs  | 50 Hz   |
| Re  | 5.3 ohm |
| Qes | 0.24    |

### Parameters

|         |   |
|---------|---|
| Qms     | 5.2   |
| Qts     | 0.23  |
| Vas     | 75 dm <sup>3</sup> (2.6 ft <sup>3</sup> )   |
| Sd      | 522 cm <sup>2</sup> (80.9 in <sup>2</sup> ) |
| EtaZero | 3.8 %                                       |
| Xmax    | + - 5 mm                                    |
| Xvar    | + - 7 mm                                    |
| Mms     | 51 g  |
| Bl      | 18.6 Txm                                    |
| Le      | 1.2 mH                                      |

### Mounting & Shipping

|                             |                  |
|-----------------------------|------------------|
| Overall Diameter            | 316 mm (12.4 in) |
| Bolt Circle Diameter        | 296 mm (11.6 in) |
| Baffle Cutout Diameter      | 282 mm (11.1 in) |
| Depth                       | 136 mm (5.35 in) |
| Flange and Gasket Thickness | 16 mm (0.62 in)  |

### Mounting & Shipping

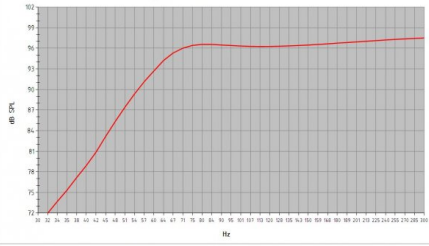
|                               |   |
|-------------------------------|---|
| Air volume occupied by driver | 3 dm <sup>3</sup> (0.11 ft <sup>3</sup> ) |
| Net Weight                    | 7.4 kg (16.4 lb)                          |
| Shipping Weight               | 8.2 kg (18 lb)                            |
| Shipping Box                  | 340x340x170 mm (13.4x13.4x6.7 in)         |

### Design

|                           |  |
|---------------------------|--|
| Surround Shape            | Double Roll                                |
| Cone Shape                | Exponential                                |
| Magnet Type               | Ceramic Ring                               |
| Spider                    | Single                                     |
| Pole Design               | T-Pole                                     |
| Recommended Enclosure vol | 42 dm <sup>3</sup> (1.48 ft <sup>3</sup> ) |
| Recommended tuning freq.  | 65 Hz                                      |

Service kit RCK12PLB768

Frequency Response (2,83 Vrms/1 m)



Model: **12-F12-70**  
Enclosure Type: **Bass Reflex**  
Internal Net Volume (Liters): **42**  
Tuning Frequency (Hz): **65**  
Frequency (-3dB) (Hz): **66.8**  
Excursion Limited Maximum SPL at 1 meter (dB): **121.6**  
Thermal Limited Maximum SPL at 1 meter (dB): **122.8**  
Port Area (cm<sup>2</sup>): **128.7**  
Port Length (cm): **11.9**  
Excursion Limited Maximum SPL at 1 meter (dB) equal to: **256.0** Watts (Bass Band Power Rating)  
Thermal Limited Maximum SPL at 1 meter (dB) equal to: **260.0** Watts (Mid Band Power Rating)