

12PLB76

LF Drivers - 12.0 Inches

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



Specifications

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|--|------------------|
| Nominal diameter | 320 mm (12.0 in) |
| Nominal impedance | 8 Ω |
| Minimum impedance | 6.4 Ω |
| Nominal power handling ¹ | 350 W |
| Continuous power handling ² | 700 W |
| Sensitivity (1W/1m) ³ | 99.0 dB |
| Frequency range | 50 - 2000 Hz |
| Voice coil diameter | 76 mm (3.0 in) |
| Winding material | Aluminium |
| Former material | Glass Fibre |
| Winding depth | 16 mm (0.62 in) |
| Magnetic gap depth | 11 mm (0.4 in) |
| Flux density | 1.05 T |

Design

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|-----------------|-------------|
| Surround shape | Double Roll |
| Cone shape | Exponential |
| Magnet material | Ferrite |

Design

| | |
|------------------------|--|
| Spider | Single |
| Pole design | T-Pole |
| Woofers cone treatment | WP Waterproof Front Side (upon request) |
| Recommended enclosure | 42.0 dm ³ (1.48 ft ³) |
| Recommended tuning | 65 Hz |

Parameters⁴

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|------------------|---|
| Fs | 50 Hz |
| Re | 5.0 Ω |
| Qes | 0.24 |
| Qms | 5.3 |
| Qts | 0.23 |
| Vas | 75.0 dm ³ (2.6 ft ³) |
| Sd | 522.0 cm ² (80.9 in ²) |
| η _o | 3.8 % |
| X _{max} | 5.0 mm |
| X _{var} | 7.0 mm |
| M _{ms} | 51 g |
| Bl | 18.6 Txm |

Parameters

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|-----|--------|
| Le | 1.2 mH |
| EBP | 208 Hz |

Mounting And Shipping Info

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|-------------------------------|---|
| Overall diameter | 316 mm (12.4 in) |
| Bolt circle diameter | 296 mm (11.6 in) |
| Baffle cutout diameter | 282.0 mm (11.1 in) |
| Depth | 136 mm (5.35 in) |
| Flange and gasket thickness | 16 mm (0.62 in) |
| Air volume occupied by driver | 3.3 dm ³ (0.12 ft ³) |
| Net weight | 7.4 kg (16.4 lb) |
| Shipping weight | 8.2 kg (18.0 lb) |
| Shipping box | 340x340x170 mm (13.4x13.4x6.7 in) |

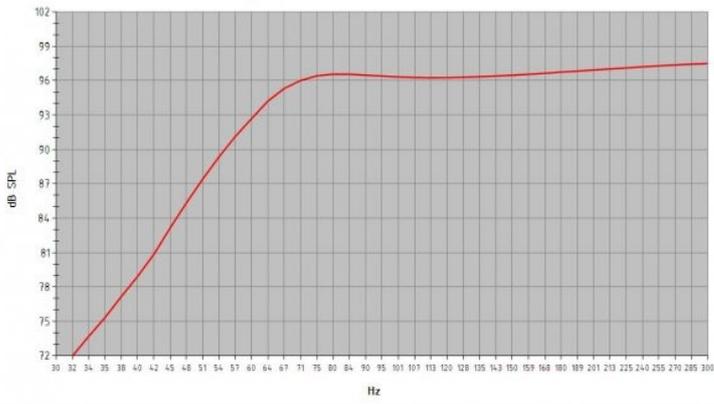
Service Kit

| |
|-------------|
| RCK12PLB768 |
|-------------|

1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum 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.

Frequency Response (2,83 Vrms/1 m)



Model: **12 PLB 76**
Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters): **42**
Tuning Frequency (Hz): **65** Port Area (cm²): **138.7**
Frequency (-3 dB) (Hz): **66.8** Port Length (cm): **11.9**

Excursion Limited Maximum SPL at 1 meter (dB): **121.5** equal to **258.0** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **122.8** equal to **350.0** Watts (Mid Band Power Rating)