

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

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

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Ceramic

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

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

Le	1.2 mH
EBP	208 Hz

Mounting And Shipping Info

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)

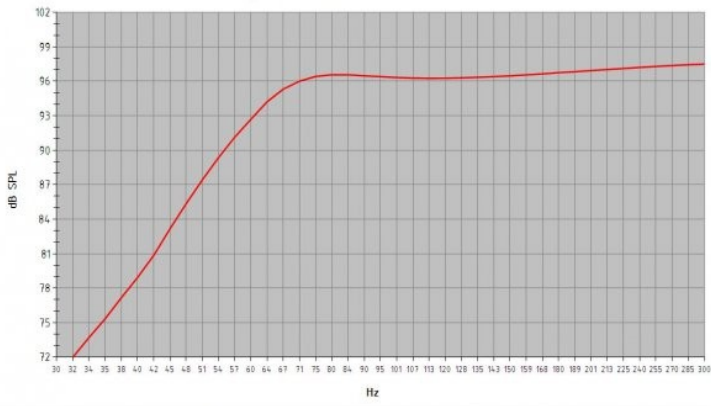
Service Kit

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)