

# 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 $\Omega$
Minimum impedance	6.4 $\Omega$
Nominal power handling <sup>1</sup>	350 W
Continuous power handling <sup>2</sup>	700 W
Sensitivity (1W/1m) <sup>3</sup>	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	Ferrite

### Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side (upon request)
Recommended enclosure	42.0 dm <sup>3</sup> (1.48 ft <sup>3</sup> )
Recommended tuning	65 Hz

### Parameters<sup>4</sup>

Fs	50 Hz
Re	5.0 $\Omega$
Qes	0.24
Qms	5.3
Qts	0.23
Vas	75.0 dm <sup>3</sup> (2.6 ft <sup>3</sup> )
Sd	522.0 cm <sup>2</sup> (80.9 in <sup>2</sup> )
$\eta_0$	3.8 %
Xmax	5.0 mm
Xvar	7.0 mm
Mms	51 g
Bl	18.6 Txm

### Parameters

Le	1.2 mH
EBP	208 Hz

### Mounting And Shipping Info

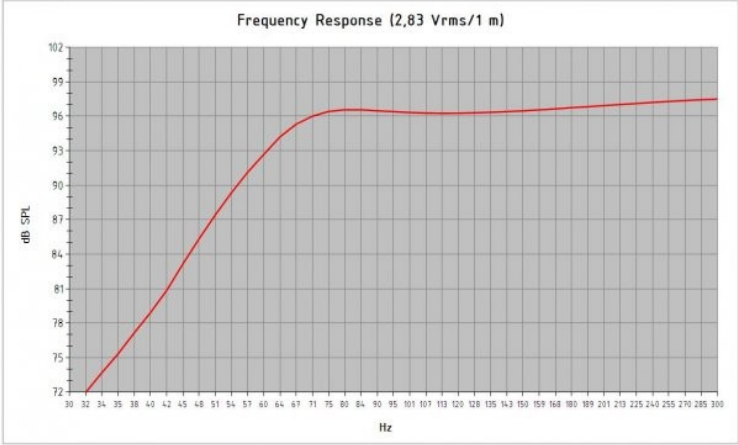
Overall diameter	316 mm (12.4 in)
Bolt circle diameter	296 mm (11.6 in)
Baffle cutout diameter	282.0 mm (11.1 in)
Depth	136 mm (5.35 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	3.3 dm <sup>3</sup> (0.12 ft <sup>3</sup> )
Net weight	7.4 kg (16.4 lb)
Shipping weight	8.2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

### Service Kit

RCK12PLB768
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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.



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

Internal Net Volume (Liters):	<b>42</b>	Port Area (cm <sup>2</sup> ):	<b>138.7</b>
Tuning Frequency (Hz):	<b>65</b>	Port Length (cm):	<b>11.9</b>
Frequency (-3 dB) (Hz):	<b>66.8</b>		

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)