

12PE32

LF Drivers - 12.0 Inches

500 W continuous program power capacity
64 mm (2.5 in) aluminium voice coil
50 - 4000 Hz response
101 dB sensitivity



Specifications

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.7 Ω
Nominal power handling ¹	250 W
Continuous power handling ²	500 W
Sensitivity (1W/1m) ³	101.0 dB
Frequency range	50 - 4000 Hz
Voice coil diameter	65 mm (2.5 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	12 mm (0.5 in)
Magnetic gap depth	7 mm (0.28 in)
Flux density	1.4 T

Design

Surround shape	Triple Roll
Cone shape	Exponential
Magnet material	Ferrite

Design

Spider	Single
Pole design	Straight Pole
Woofer cone treatment	None
Recommended enclosure	31.0 dm ³ (1.1 ft ³)
Recommended tuning	85 Hz

Parameters⁴

Fs	51 Hz
Re	5.8 Ω
Qes	0.19
Qms	7.6
Qts	0.18
Vas	101.0 dm ³ (3.56 ft ³)
Sd	522.0 cm ² (80.9 in ²)
η_0	6.8 %
Xmax	2.8 mm
Xvar	5.0 mm
Mms	37 g
Bl	19.1 Txm

Parameters

Le	1.2 mH
EBP	268 Hz

Mounting And Shipping Info

Overall diameter	315 mm (12.4 in)
Bolt circle diameter	296 mm (11.6 in)
Baffle cutout diameter	282.0 mm (11.1 in)
Depth	135 mm (5.3 in)
Flange and gasket thickness	15 mm (0.59 in)
Air volume occupied by driver	3.1 dm ³ (0.11 ft ³)
Net weight	7.6 kg (16.7 lb)
Shipping weight	8.4 kg (18.7 lb)
Shipping box	380x380x180 mm (15x15x6.7 in)

Service Kit

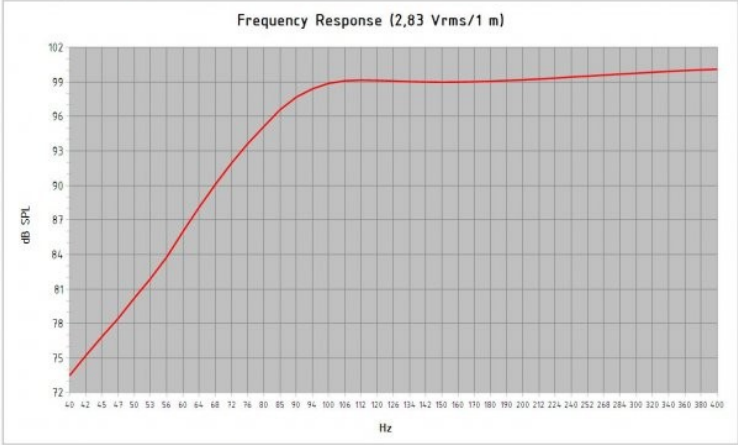
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1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

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 PE 32		
Enclosure Type:	Bass Reflex		
Internal Net Volume (Liters):	31	Port Area (cm²):	138.7
Tuning Frequency (Hz):	85	Port Length (cm):	7.0
Frequency (-3 dB) (Hz):	90.0		
Excursion Limited Maximum SPL at 1 meter (dB):	123.7	equal to	238.0 Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	123.9	equal to	250.0 Watts (Mid Band Power Rating)