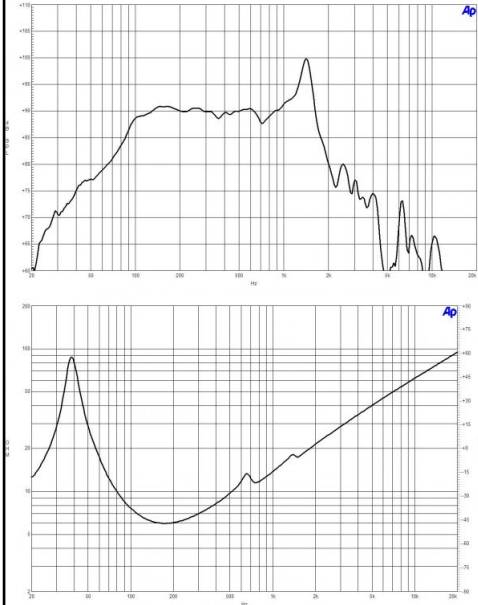




12BG100

LF Drivers - 12 Inches

2000 W continuous program power capacity
100 mm (4 in) copper voice coil
40 - 1000 Hz response
93 dB sensitivity
FEA optimized Neodymium magnet assembly
Double silicone spider with optimized compliance
Ventilated voice coil gap for reduced power compression



Specification

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 ohm
Minimum Impedance	5.8 ohm
Continuous Power Handling	2000 W
Nominal Power Handling (AES)	1000 W
Sensitivity (1W/1m)	93 dB
Frequency Range	40 - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Magnet Material	Neodymium Inside Slug
Winding Depth	26.5 mm (1.05 in)
Magnetic Gap Depth	11 mm (0.43 in)
Flux Density	1.15 T

Design

Surround Shape	Roll
Cone Shape	Radial
Magnet Type	Neodymium Inside Slug

Design

Spider	Double Silicone
Pole Design	T-Pole
Recommended Enclosure vol	40 dm3 (1.41 ft3)
Recommended tuning freq.	40 Hz

Parameters

Fs	39 Hz
Re	5.1 ohm
Qes	0.35
Qms	6.8
Qts	0.33
Vas	41 dm3 (1.45 ft3)
Sd	522 cm2 (80.9 in2)
EtaZero	0.7 %
Xmax	+/- 10.5 mm
Xvar	+/- 14 mm
Mms	152 g
Bl	23 Txm
Le	1.6 mH

Parameters

EBP	111 Hz
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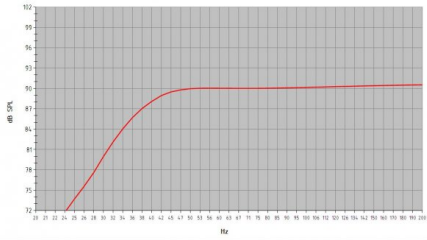
Mounting & Shipping

Overall Diameter	319 mm (12.5 in)
Bolt Circle Diameter	299 mm (11.8 in)
Baffle Cutout Diameter	281 mm (11.1 in)
Depth	137 mm (5.4 in)
Flange and Gasket Thickness	13 mm (0.5 in)
Air volume occupied by driver	2.7 dm3 (0.09 ft3)
Net Weight	8.2 kg (18 lb)
Shipping Weight	8.9 kg (19.6 lb)
Shipping Box	340x340x170 mm (13.4x13.4x6.7 in)

Service kit



Frequency Response (2,83 Vrms/1 m)



Model: **12.820.100**
Enclosure Type: **Pass-Porter**
Internal Net Volume (Liters): **40**
Tuning Frequency (Hz): **40**
Frequency (-3 dB) (Hz): **29.3**
Port Area (cm²): **128.7**
Port Length (cm): **52.8**
Excursion Limited Maximum SPL at 1 meter (dB): **118.2** equal to **896.8** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **119.9** equal to **1000.8** Watts (Max Band Power Rating)