

15BG100

LF Drivers - 15 Inches

2000 W continuous program power capacity
 100 mm (4 in) copper voice coil
 35 - 1000 Hz response
 94.5 dB sensitivity
 FEA optimized Neodymium magnet assembly
 Double silicone spider with optimized compliance
 Ventilated voice coil gap for reduced power compression



Specification

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 ohm
Minimum Impedance	6 ohm
Continuous Power Handling	2000 W
Nominal Power Handling (AES)	1000 W
Sensitivity (1W/1m)	94.5 dB
Frequency Range	35 - 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	1.25 T

Design

Surround Shape	Roll
Cone Shape	Radial
Magnet Type	Neodymium Inside Slug

Design

Spider	Double Silicone
Pole Design	T-Pole
Recommended Enclosure vol	160 dm ³ (5.65 ft ³)
Recommended tuning freq.	29 Hz

Parameters

Fs	36 Hz
Re	5.1 ohm
Qes	0.49
Qms	5
Qts	0.44
Vas	83 dm ³ (2.93 ft ³)
Sd	855 cm ² (132.5 in ²)
EtaZero	0.8 %
Xmax	+ - 10.5 mm
Xvar	+ - 14 mm
Mms	240 g
Bl	23 Txm
Le	1.6 mH

Parameters

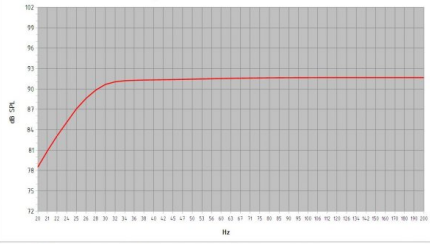
EBP	73 Hz
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Mounting & Shipping

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	354 mm (13.9 in)
Depth	189 mm (7.44 in)
Flange and Gasket Thickness	24 mm (0.94 in)
Air volume occupied by driver	6 dm ³ (0.21 ft ³)
Net Weight	8.6 kg (18.9 lb)
Shipping Weight	10 kg (22 lb)
Shipping Box	420x420x200 mm (16.5x16.5x7.9 in)

Service kit

Frequency Response (2,83 Vrms/1 m)



Model: **15.825.100**
 Enclosure Type: **Basin Reflex**
 Internal Net Volume (Liters): **160**
 Tuning Frequency (Hz): **29** (Port Area (cm²): **322.3**)
 Frequency (-3dB) (Hz): **26.5** (Port Length (cm): **35.7**)
 Excursion Limited Maximum SPL at 1 meter (dB): **118.7** equal to **377.7** watts (Bass Box) Power Rating
 Thermal Limited Maximum SPL at 1 meter (dB): **120.4** equal to **1000.0** watts (Max) Power Rating