

8BG51

LF Drivers - 8 Inches

500 W continuous program power capacity
 51 mm (2 in) copper voice coil
 50 - 4000 Hz response
 92 dB sensitivity
 Neodymium magnet allows a very light yet powerful motor assembly
 Shorting copper cap for extended HF response
 Ventilated voice coil gap for reduced power compression



Specification

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 ohm
Minimum Impedance	6 ohm
Continuous Power Handling	500 W
Nominal Power Handling (AES)	250 W
Sensitivity (1W/1m)	92 dB
Frequency Range	50 - 4000 Hz
Voice Coil Diameter	51 mm (2 in)
Winding Material	Copper
Former Material	Glass Fibre
Magnet Material	Neodymium Inside Slug
Winding Depth	16.5 mm (0.65 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.15 T

Design

Surround Shape	Roll
Cone Shape	Exponential
Magnet Type	Neodymium Inside Slug

Design

Spider	Single
Pole Design	T-Pole
Recommended Enclosure vol	19 dm ³ (0.67 ft ³)
Recommended tuning freq.	49 Hz

Parameters

Fs	52 Hz
Re	5.1 ohm
Qes	0.42
Qms	12.3
Qts	0.4
Vas	18 dm ³ (0.63 ft ³)
Sd	220 cm ² (34.1 in ²)
EtaZero	0.6 %
Xmax	+ - 6.5 mm
Xvar	+ - 8 mm
Mms	35 g
Bl	11.8 Txm
Le	0.5 mH

Parameters

EBP	123 Hz
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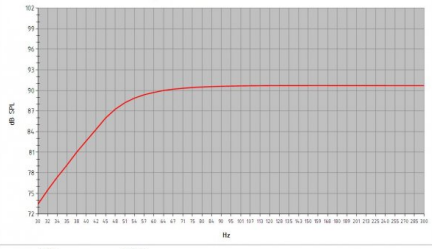
Mounting & Shipping

Overall Diameter	225 mm (8.8 in)
Bolt Circle Diameter	210 mm (8.3 in)
Baffle Cutout Diameter	187 mm (7.4 in)
Depth	90 mm (3.5 in)
Flange and Gasket Thickness	11 mm (0.43 in)
Air volume occupied by driver	1.1 dm ³ (0.04 ft ³)
Net Weight	1.8 kg (4 lb)
Shipping Weight	2.2 kg (4.8 lb)
Shipping Box	300x160x180 mm (11.8x6.3x7.1 in)

Service kit

Service kit	
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Frequency Response (2,83 Vrms/1 m)



Model: **8.85 51**
 Enclosure Type: **Blow Muffin**
 Internal Net Volume (L/Inch³): **19**
 Tuning Frequency (Hz): **40** Port Area (cm²): **32.2**
 Frequency (-3 dB) (Hz): **49.0** Port Length (cm): **12.7**
 Excursion Limited Maximum SPL at 1 meter (dB): **109.8** equal to **112.6** Watts (Base Band Power Rating)
 Thermal Limited Maximum SPL at 1 meter (dB): **113.2** equal to **200.0** Watts (Mid Band Power Rating)