

8MBX51

LF Drivers - 8.0 Inches



Product Preview - Coming Soon....

400 W continuous program power capacity

50 mm (2 in) copper voice coil

60 - 4000 Hz response

96.5 dB sensitivity

Neodymium ring magnet assembly

Aluminium ring allows a very low distortion figure

Ventilated voice coil gap for reduced power
compression

Specifications

Nominal diameter	200 mm (8.0 in)
Nominal impedance	8 Ω
Minimum impedance	5.9 Ω
Nominal power handling ¹	200 W
Continuous power handling ²	400 W
Sensitivity (1W/1m) ³	96.5 dB
Frequency range	60 - 4000 Hz
Voice coil diameter	51 mm (2.0 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	15 mm (0.59 in)
Magnetic gap depth	7 mm (0.28 in)
Flux density	1.3 T

Design

Surround shape	Triple Roll
Cone shape	Curvilinear
Magnet material	Neodymium Ring

Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	Hydrophobic Treatment
Recommended enclosure	19.0 dm ³ (0.67 ft ³)
Recommended tuning	63 Hz

Parameters⁴

Fs	60 Hz
Re	4.9 Ω
Qes	0.31
Qms	5.6
Qts	0.29
Vas	23.0 dm ³ (0.81 ft ³)
Sd	220.0 cm ² (34.1 in ²)
η _o	1.7 %
Xmax	6.0 mm
Xvar	8.0 mm
Mms	20 g
Bl	11.4 Txm

Parameters

Le	0.4 mH
EBP	193 Hz

Mounting And Shipping Info

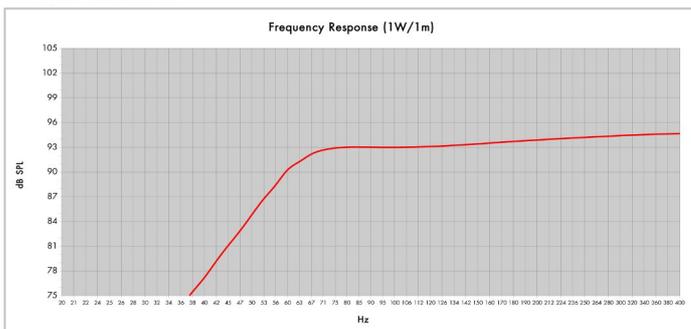
Overall diameter	225 mm (8.86 in)
Bolt circle diameter	210 mm (8.27 in)
Baffle cutout diameter	187.0 mm (7.36 in)
Depth	93 mm (3.66 in)
Flange and gasket thickness	9 mm (0.35 in)
Air volume occupied by driver	1.1 dm ³ (0.04 ft ³)
Net weight	1.8 kg (3.97 lb)
Shipping weight	2.2 kg (4.85 lb)
Shipping box	300x160x180 mm (11.81x6.30x7.09 in)

Service Kit

RCK008MBX518

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: **8MBX51**
 Enclosure Type: **Bass Reflex** Configuration: **One Driver**
 Internal Net Volume (Litres): **19** Q_B: **7**
 Tuning Frequency (Hz): **63** Port Area (cm²): **50.0**
 Frequency (-3 dB) (Hz): **66.4** Port length (cm): **13.0**
 Frequency (+10 dB) (Hz): **50.3**