



# 8MDN51

## LF Drivers - 8.0 Inches

400 W continuous program power capacity  
51 mm (2 in) aluminium voice coil  
70 - 4000 Hz response  
98 dB sensitivity  
Neodymium ring magnet assembly  
Ventilated voice coil gap for reduced power compression



### Specifications

Nominal diameter	200 mm (8.0 in)
Nominal impedance	8 $\Omega$
Minimum impedance	7.7 $\Omega$
Nominal power handling <sup>1</sup>	200 W
Continuous power handling <sup>2</sup>	400 W
Sensitivity (1W/1m) <sup>3</sup>	97.0 dB
Frequency range	70 - 4000 Hz
Voice coil diameter	51 mm (2.0 in)
Winding material	Aluminium
Former material	Kapton
Winding depth	16 mm (0.62 in)
Magnetic gap depth	8 mm (0.31 in)
Flux density	1.45 T

### Design

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Neodymium Ring

### Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side

### Parameters<sup>4</sup>

Fs	70 Hz
Re	5.1 $\Omega$
Qes	0.21
Qms	3.7
Qts	0.2
Vas	16.0 dm <sup>3</sup> (0.6 ft <sup>3</sup> )
Sd	220.0 cm <sup>2</sup> (34.1 in <sup>2</sup> )
$\eta_0$	2.4 %
Xmax	6.0 mm
Xvar	6.0 mm
Mms	23 g
Bl	15.3 Txm
Le	0.8 mH
EBP	333 Hz

### Mounting And Shipping Info

Overall diameter	225 mm (8.8 in)
Bolt circle diameter	210 mm (8.3 in)
Baffle cutout diameter	187.0 mm (7.4 in)
Depth	95 mm (3.74 in)
Flange and gasket thickness	11 mm (0.4 in)
Air volume occupied by driver	1.1 dm <sup>3</sup> (0.04 ft <sup>3</sup> )
Net weight	2.55 kg (5.6 lb)
Shipping units	1
Shipping weight	2.95 kg (6.5 lb)
Shipping box	300x160x180 mm (11.8x6.3x7.1 in)

### Service Kit

RCK008MDN518

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.