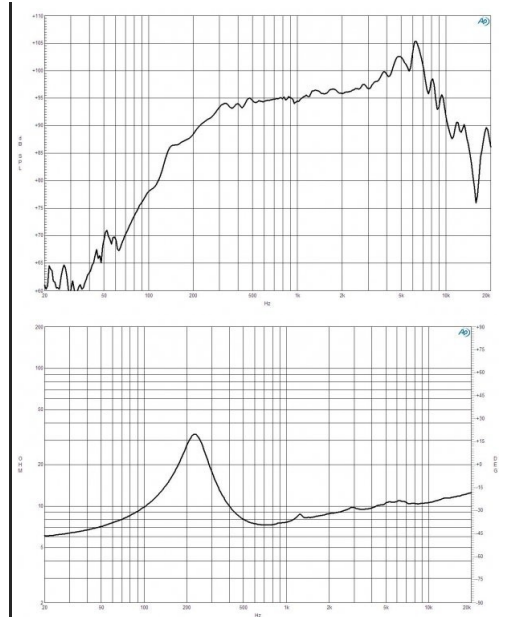




# 5MDN38

## LF Drivers - 5.0 Inches

200 W continuous program power capacity  
38 mm (1.5 in) aluminium voice coil  
240 - 10000 Hz response  
96 dB sensitivity  
Shorting copper cap for extended HF response



### Specifications

Nominal diameter	127 mm (5.0 in)
Nominal impedance	8 $\Omega$
Minimum impedance	7.0 $\Omega$
Nominal power handling <sup>1</sup>	100 W
Continuous power handling <sup>2</sup>	200 W
Sensitivity (1W/1m) <sup>3</sup>	96.0 dB
Frequency range	240 - 10000 Hz
Voice coil diameter	38 mm (1.5 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	10 mm (0.4 in)
Magnetic gap depth	6 mm (0.24 in)
Flux density	1.25 T

### Design

Surround shape	Triple Roll
Cone shape	Exponential
Magnet material	Neodymium Ring

### Design

Spider	Single
Pole design	Straight Pole
Woofer cone treatment	WP Waterproof Front Side

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

Fs	240 Hz
Re	5.6 $\Omega$
Qes	0.54
Qms	2.6
Qts	0.45
Vas	0.6 dm <sup>3</sup> (0.02 ft <sup>3</sup> )
Sd	95.0 cm <sup>2</sup> (14.7 in <sup>2</sup> )
$\eta_0$	1.7 %
Xmax	3.5 mm
Xvar	2.5 mm
Mms	9 g
Bl	11.5 Txm
Le	0.4 mH
EBP	444 Hz

### Mounting And Shipping Info

Overall diameter	150 mm (5.9 in)
Bolt circle diameter	142 mm (5.6 in)
Baffle cutout diameter	122.0 mm (4.8 in)
Depth	75 mm (2.95 in)
Flange and gasket thickness	9 mm (0.35 in)
Air volume occupied by driver	0.35 dm <sup>3</sup> (0.01 ft <sup>3</sup> )
Net weight	0.85 kg (1.9 lb)
Shipping units	1
Shipping weight	1.1 kg (2.4 lb)
Shipping box	221x214x130 mm (8.7x8.4x5.1 in)

### Service Kit

RCK005MDN388

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.