

5NDL38

LF Drivers - 5.0 Inches

180 W continuous program power capacity
38 mm (1.5 in) aluminium voice coil
80 - 7000 Hz response
91 dB sensitivity



Specifications

Nominal diameter	127 mm (5.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.3 Ω
Nominal power handling ¹	90 W
Continuous power handling ²	180 W
Sensitivity (1W/1m) ³	91.0 dB
Frequency range	80 - 7000 Hz
Voice coil diameter	38 mm (1.5 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	10 mm (0.37 in)
Magnetic gap depth	6 mm (0.24 in)
Flux density	1.25 T

Design

Surround shape	Roll
Cone shape	Exponential
Magnet material	Neodymium Ring

Design

Spider	Single
Pole design	Straight Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	5.0 dm ³ (0.18 ft ³)
Recommended tuning	80 Hz

Parameters⁴

Fs	80 Hz
Re	5.5 Ω
Qes	0.37
Qms	9.2
Qts	0.36
Vas	4.3 dm ³ (0.15 ft ³)
Sd	95.0 cm ² (14.73 in ²)
η _o	0.55 %
Xmax	3.5 mm
Xvar	4.0 mm
Mms	11 g
Bl	9.2 Txm

Parameters

Le	0.64 mH
EBP	216 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 ³ (0.01 ft ³)
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

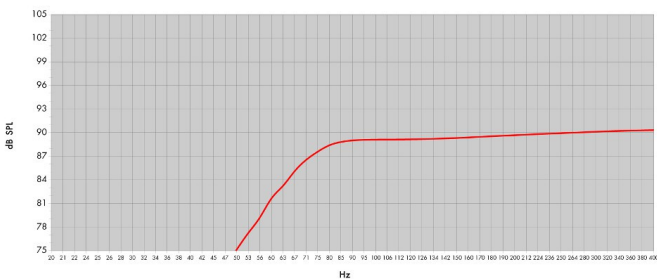
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- 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

- Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
- Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.



Frequency Response (1W/1m)



Model:	5NDL388	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	5	Q _B :	7
Tuning Frequency (Hz):	75	Port Area (cm ²):	15.0
Frequency (3 dB) (Hz):	75.4	Port length (cm):	12.3
Frequency (10 dB) (Hz):	58.4		