

5NDL38

LF Drivers - 5.0 Inches

180 W continuous program power capacity
 38 mm (1.5 in) copper voice coil
 90 - 7000 Hz response
 90 dB sensitivity
 Shorting copper cap for extended HF response



Specifications

Nominal diameter	127 mm (5.0 in)
Nominal impedance	8 Ω
Minimum impedance	7.3 Ω
Nominal power handling ¹	90 W
Continuous power handling ²	180 W
Sensitivity (1W/1m) ³	90.0 dB
Frequency range	90 - 7000 Hz
Voice coil diameter	38 mm (1.5 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	10 mm (0.37 in)
Magnetic gap depth	6 mm (0.24 in)
Flux density	1.15 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	7.0 dm ³ (0.25 ft ³)
Recommended tuning	73 Hz

Parameters⁴

Fs	92 Hz
Re	6 Ω
Qes	0.5
Qms	11.0
Qts	0.48
Vas	3.3 dm ³ (0.12 ft ³)
Sd	95.0 cm ² (14.7 in ²)
η _o	0.5 %
X _{max}	3.3 mm
X _{var}	4.0 mm
M _{ms}	11 g
Bl	8.5 Txm

Parameters

Le	0.35 mH
EBP	184 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)

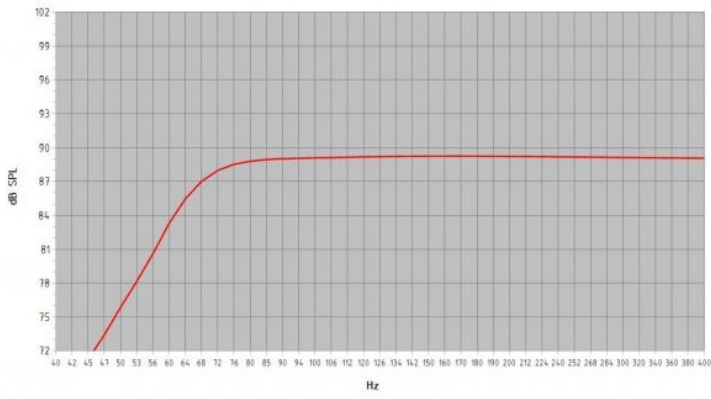
Service Kit

RCK005NDL388

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.

Frequency Response (2,83 Vrms/1 m)



Model: **5 NDL 38**
 Enclosure Type: **Base Reflex**

Internal Net Volume (Liters): **7**
 Tuning Frequency (Hz): **73** Port Area (cm²): **15.2**
 Frequency (-3 dB) (Hz): **65.3** Port Length (cm): **8.4**

Excursion Limited Maximum SPL at 1 meter (dB): **101.4** equal to **19.2** Watts (Bass Band Power Rating)
 Thermal Limited Maximum SPL at 1 meter (dB): **108.1** equal to **90.0** Watts (Mid Band Power Rating)