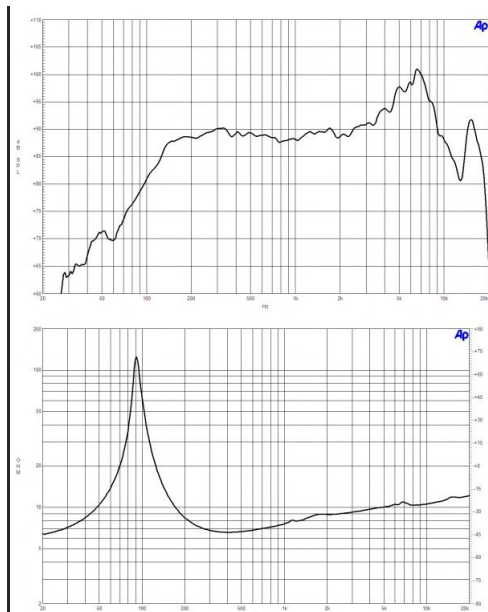




# 5NDL38

## 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 $\Omega$      |
| Minimum impedance                      | 7.3 $\Omega$    |
| Nominal power handling <sup>1</sup>    | 90 W            |
| Continuous power handling <sup>2</sup> | 180 W           |
| Sensitivity (1W/1m) <sup>3</sup>       | 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 <sup>3</sup> (0.25 ft <sup>3</sup> ) |
| Recommended tuning    | 73 Hz                                       |

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

|          |                                              |
|----------|----------------------------------------------|
| Fs       | 92 Hz                                        |
| Re       | 5.5 $\Omega$                                 |
| Qes      | 0.5                                          |
| Qms      | 11.0                                         |
| Qts      | 0.48                                         |
| Vas      | 3.3 dm <sup>3</sup> (0.12 ft <sup>3</sup> )  |
| Sd       | 95.0 cm <sup>2</sup> (14.7 in <sup>2</sup> ) |
| $\eta_0$ | 0.5 %                                        |
| Xmax     | 3.3 mm                                       |
| Xvar     | 4.0 mm                                       |
| Mms      | 11 g                                         |
| Bl       | 8.5 Txm                                      |

### Parameters

|     |         |
|-----|---------|
| Le  | 0.35 mH |
| EBP | 184 Hz  |

### Mounting And Shipping Info

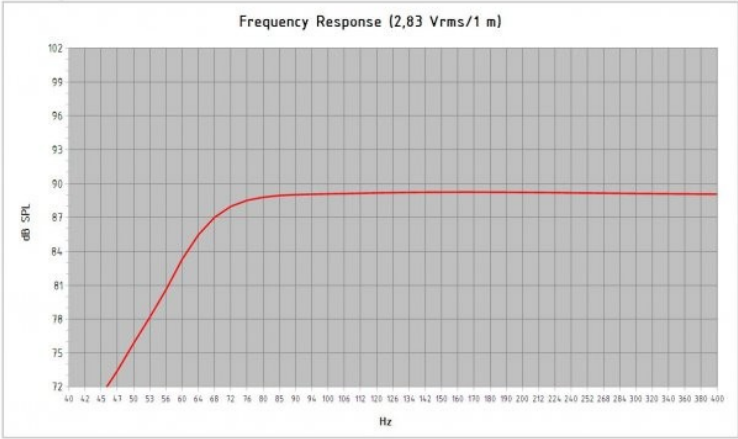
|                               |                                              |
|-------------------------------|----------------------------------------------|
| Overall diameter              | 150 mm (5.9 in)                              |
| Bolt circle diameter          | 142 mm (5.6 in)                              |
| 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 <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

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.



|                                                |             |                   |                                     |
|------------------------------------------------|-------------|-------------------|-------------------------------------|
| Model:                                         | 5 NDL 38    |                   |                                     |
| Enclosure Type:                                | Bass 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)  |