

12NDL76

LF Drivers - 12.0 Inches

800 W continuous program power capacity
76 mm (3 in) aluminium voice coil
50 - 2000 Hz response
100 dB sensitivity

Neodymium magnet allows a very light yet powerful motor assembly
Ventilated voice coil gap for reduced power compression



Specifications

| | |
|--|------------------|
| Nominal diameter | 320 mm (12.0 in) |
| Nominal impedance | 8 Ω |
| Minimum impedance | 6.2 Ω |
| Nominal power handling ¹ | 400 W |
| Continuous power handling ² | 800 W |
| Sensitivity (1W/1m) ³ | 100.0 dB |
| Frequency range | 50 - 2000 Hz |
| Voice coil diameter | 76 mm (3.0 in) |
| Winding material | Aluminium |
| Former material | Glass Fibre |
| Winding depth | 19 mm (0.75 in) |
| Magnetic gap depth | 10 mm (0.4 in) |
| Flux density | 1.25 T |

Design

| | |
|-----------------|-----------------------|
| Surround shape | Double Roll |
| Cone shape | Exponential |
| Magnet material | Neodymium Inside Slug |

Design

| | |
|-----------------------|--|
| Spider | Single |
| Pole design | Straight Pole |
| Woofer cone treatment | WP Waterproof Front Side |
| Recommended enclosure | 42.0 dm ³ (1.48 ft ³) |
| Recommended tuning | 65 Hz |

Parameters⁴

| | |
|----------|---|
| Fs | 50 Hz |
| Re | 5.3 Ω |
| Qes | 0.21 |
| Qms | 4.2 |
| Qts | 0.2 |
| Vas | 73.0 dm ³ (2.5 ft ³) |
| Sd | 522.0 cm ² (80.9 in ²) |
| η_0 | 4.3 % |
| Xmax | 6.5 mm |
| Xvar | 6.5 mm |
| Mms | 53 g |
| Bl | 20.1 Txm |

Parameters

| | |
|-----|--------|
| Le | 1.0 mH |
| EBP | 238 Hz |

Mounting And Shipping Info

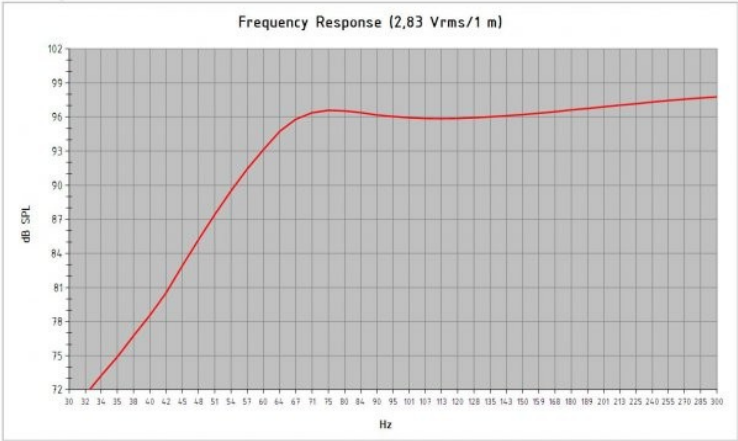
| | |
|-------------------------------|---|
| Overall diameter | 315 mm (12.4 in) |
| Bolt circle diameter | 298 mm (11.7 in) |
| Baffle cutout diameter | 283.0 mm (11.1 in) |
| Depth | 141 mm (5.5 in) |
| Flange and gasket thickness | 14 mm (0.55 in) |
| Air volume occupied by driver | 2.5 dm ³ (0.08 ft ³) |
| Net weight | 3.9 kg (8.6 lb) |
| Shipping units | 1 |
| Shipping weight | 4.5 kg (9.9 lb) |
| Shipping box | 340x340x170 mm (13.4x13.4x6.7 in) |

Service Kit

| |
|-------------|
| RCK12NDL768 |
|-------------|

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: **12 NDL 76**
Enclosure Type: **Bass Reflex**

| | | | |
|-------------------------------|-------------|-------------------------------|--------------|
| Internal Net Volume (Liters): | 42 | Port Area (cm ²): | 138.7 |
| Tuning Frequency (Hz): | 65 | Port Length (cm): | 11.9 |
| Frequency (-3 dB) (Hz): | 68.0 | | |

Excursion Limited Maximum SPL at 1 meter (dB): **121.1** equal to **214.4** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **123.8** equal to **400.0** Watts (Mid Band Power Rating)