

14NDL76

LF Drivers - 14.0 Inches

1000 W continuous program power capacity

76 mm (3 in) copper voice coil

40 - 3000 Hz response

99 dB sensitivity

Very light yet powerful motor assembly

Aluminium demodulating ring allows a very low distortion figure



Specifications

Nominal diameter	359 mm (14.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.1 Ω
Nominal power handling ¹	500 W
Continuous power handling ²	1000 W
Sensitivity (1W/1m) ³	99.0 dB
Frequency range	40 - 3000 Hz
Voice coil diameter	76 mm (3.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	21 mm (0.83 in)
Magnetic gap depth	10 mm (0.4 in)
Flux density	1.15 T

Design

Surround shape	Triple Roll
Cone shape	Exponential
Magnet material	Neodymium Inside Slug

Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	75.0 dm ³ (2.65 ft ³)
Recommended tuning	53 Hz

Parameters⁴

Fs	41 Hz
Re	5.0 Ω
Qes	0.31
Qms	8.2
Qts	0.3
Vas	123.0 dm ³ (4.34 ft ³)
Sd	707.0 cm ² (109.59 in ²)
η _o	2.7 %
Xmax	8.0 mm
Xvar	9.5 mm
Mms	85 g
Bl	19.0 Txm

Parameters

Le	1.1 mH
EBP	132 Hz

Mounting And Shipping Info

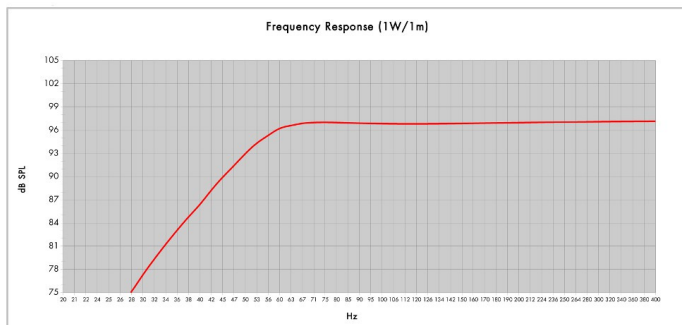
Overall diameter	359 mm (14.13 in)
Bolt circle diameter	343 mm (13.5 in)
Baffle cutout diameter	323.0 mm (12.72 in)
Depth	161 mm (6.34 in)
Flange and gasket thickness	12 mm (0.47 in)
Air volume occupied by driver	3.0 dm ³ (0.11 ft ³)
Net weight	4.5 kg (9.92 lb)
Shipping units	1
Shipping weight	6.0 kg (13.23 lb)
Shipping box	425x425x225 mm (16.73x16.73x8.86 in)

Service Kit

RCK14NDL76

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: 14NDL76
 Enclosure Type: Boss Reflex Configuration: One Driver
 Internal Net Volume (Liters): 75 QB: 6
 Tuning Frequency (Hz): 53 Port Area (cm²): 222.3
 Frequency (3 dB) (Hz): 52.8 Port Length (cm): 17.0
 Frequency (10 dB) (Hz): 41.1