

8NDL64

LF Drivers - 8.0 Inches

700 W continuous program power capacity
 64 mm (2.5 in) copper voice coil
 80 - 4000 Hz response
 97 dB sensitivity
 Neodymium inside slug magnet assembly
 Shorting copper cap for extended HF response
 Ventilated voice coil gap for reduced power compression



Specifications

Nominal diameter	200 mm (8.0 in)
Nominal impedance	8 Ω
Minimum impedance	7.2 Ω
Nominal power handling ¹	350 W
Continuous power handling ²	700 W
Sensitivity (1W/1m) ³	97.0 dB
Frequency range	80 - 4000 Hz
Voice coil diameter	64 mm (2.5 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	14 mm (0.55 in)
Magnetic gap depth	8 mm (0.31 in)
Flux density	1.25 T

Design

Surround shape	Double 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	10.0 dm ³ (0.35 ft ³)
Recommended tuning	85 Hz

Parameters⁴

Fs	80 Hz
Re	5.4 Ω
Qes	0.24
Qms	11.0
Qts	0.25
Vas	10.0 dm ³ (0.35 ft ³)
Sd	220.0 cm ² (34.1 in ²)
η _o	1.9 %
X _{max}	4.5 mm
X _{var}	5.0 mm
M _{ms}	28 g
Bl	17.5 Txm

Parameters

Le	0.62 mH
EBP	333 Hz

Mounting And Shipping Info

Overall diameter	225 mm (8.8 in)
Bolt circle diameter	210 mm (8.3 in)
Baffle cutout diameter	187.0 mm (7.4 in)
Depth	95 mm (3.74 in)
Flange and gasket thickness	10 mm (0.39 in)
Air volume occupied by driver	1.5 dm ³ (0.05 ft ³)
Net weight	2.8 kg (6.17 lb)
Shipping weight	3.2 kg (7.05 lb)
Shipping box	300x160x180 mm (11.8x6.3x7.1 in)

Service Kit

RCK008NDL648

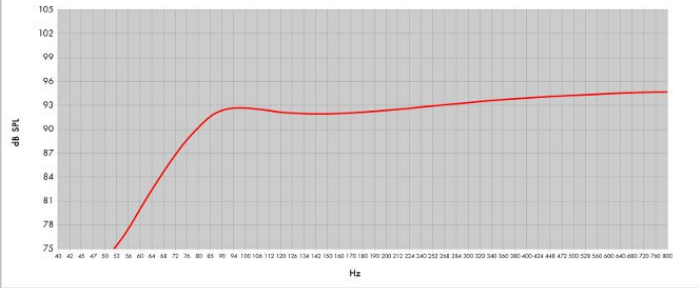
1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

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 (1W/1m)



Model:	BND164	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	10	QB:	6
Tuning Frequency (Hz):	85	Port Area (cm ²):	36.3
Frequency (-3 dB) (Hz):	87.4	Port Length (cm):	9.2