

12NDL88

LF Drivers - 12.0 Inches

1400 W continuous program power capacity
 88 mm (3.5 in) aluminium voice coil
 50 - 3000 Hz response
 98 dB sensitivity



Specifications

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.0 Ω
Nominal power handling ¹	700 W
Continuous power handling ²	1400 W
Sensitivity (1W/1m) ³	98.0 dB
Frequency range	50 - 3000 Hz
Voice coil diameter	88 mm (3.5 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	21 mm (0.85 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	Double Silicone
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	40.0 dm ³ (1.41 ft ³)
Recommended tuning	65 Hz

Parameters⁴

Fs	51 Hz
Re	5.0 Ω
Qes	0.29
Qms	5.0
Qts	0.27
Vas	52.0 dm ³ (1.84 ft ³)
Sd	522.0 cm ² (80.9 in ²)
η _o	2.3 %
X _{max}	8.0 mm
X _{var}	9.5 mm
M _{ms}	71 g
Bl	19.9 Txm

Parameters

Le	1.3 mH
EBP	175 Hz

Mounting And Shipping Info

Overall diameter	315 mm (12.4 in)
Bolt circle diameter	298 mm (11.73 in)
Baffle cutout diameter	282.0 mm (11.1 in)
Depth	140 mm (5.51 in)
Flange and gasket thickness	13 mm (0.51 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 (9.92 lb)
Shipping box	340x340x170 mm (13.4x13.4x6.7 in)

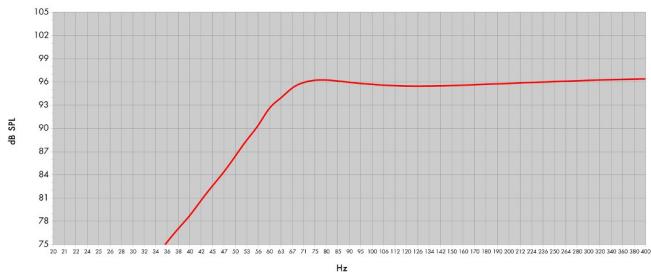
Service Kit

RCK12NDL88

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:	12NDL88	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	40	Q _B :	6
Tuning Frequency (Hz):	65	Port Area (cm ²):	144,7
Frequency (3 dB) (Hz):	62,4	Port Length (cm):	13,9
Frequency (10 dB) (Hz):	50,4		