

15NDL88

LF Drivers - 15.0 Inches

1400 W continuous program power capacity
 88 mm (3.5 in) aluminium voice coil
 45 - 3000 Hz response
 99 dB sensitivity

Neodymium magnet allows a very light yet powerful motor assembly
 Double silicone spider with optimized compliance
 Aluminum demodulating ring allows a very low distortion figure



Specifications

Nominal diameter	380 mm (15.0 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	99.0 dB
Frequency range	45 - 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 (0.39 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	125.0 dm ³ (4.41 ft ³)
Recommended tuning	45 Hz

Parameters⁴

Fs	45 Hz
Re	5.0 Ω
Qes	0.36
Qms	6.1
Qts	0.34
Vas	126.0 dm ³ (4.45 ft ³)
Sd	855.0 cm ² (132.53 in ²)
η _o	3.1 %
X _{max}	8.0 mm
X _{var}	10.0 mm
M _{ms}	102 g
Bl	20.1 Txm

Parameters

Le	1.25 mH
EBP	125 Hz

Mounting And Shipping Info

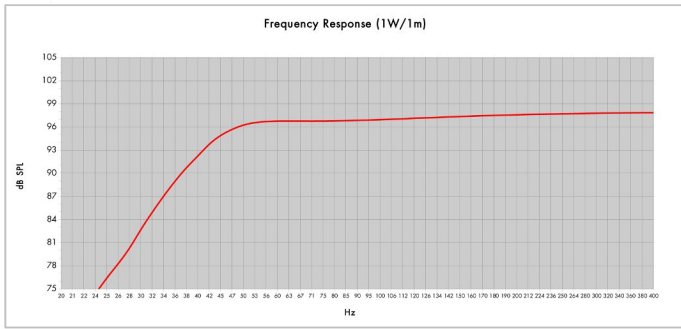
Overall diameter	393 mm (15.47 in)
Bolt circle diameter	374 mm (14.72 in)
Baffle cutout diameter	354.0 mm (13.94 in)
Depth	177 mm (6.97 in)
Flange and gasket thickness	16 mm (0.63 in)
Air volume occupied by driver	3.5 dm ³ (0.12 ft ³)
Net weight	4.6 kg (10.14 lb)
Shipping units	1
Shipping weight	5.9 kg (13.01 lb)
Shipping box	420x420x200 mm (16.54x16.54x7.87 in)

Service Kit

RCK15NDL888

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:	15NDL88	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume [Litres]:	125	QB:	7
Tuning Frequency [Hz]:	45	Port Area (cm ²):	250,0
Frequency (3 dB) [Hz]:	45,0	Port Length (cm):	14,1
Frequency (10 dB) [Hz]:	35,0		