

15NA100

LF Drivers - 15.0 Inches

1600 W continuous program power capacity

100 mm (4 in) aluminium voice coil

45 - 2000 Hz response

98 dB sensitivity

FEA optimized Neodymium magnet assembly

Double silicone spider with optimized compliance

Ventilated voice coil gap for reduced power
compression



Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.6 Ω
Nominal power handling ¹	800 W
Continuous power handling ²	1600 W
Sensitivity (1W/1m) ³	98.0 dB
Frequency range	45 - 2000 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	23 mm (0.9 in)
Magnetic gap depth	11 mm (0.43 in)
Flux density	1.2 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	80.0 dm ³ (2.82 ft ³)
Recommended tuning	50 Hz

Parameters⁴

Fs	47 Hz
Re	5.1 Ω
Qes	0.29
Qms	6.1
Qts	0.28
Vas	88.0 dm ³ (3.1 ft ³)
Sd	855.0 cm ² (132.5 in ²)
η_o	2.9 %
Xmax	10.0 mm
Xvar	9.0 mm
Mms	136 g
Bl	26.3 Txm

Parameters

Le	1.2 mH
EBP	162 Hz

Mounting And Shipping Info

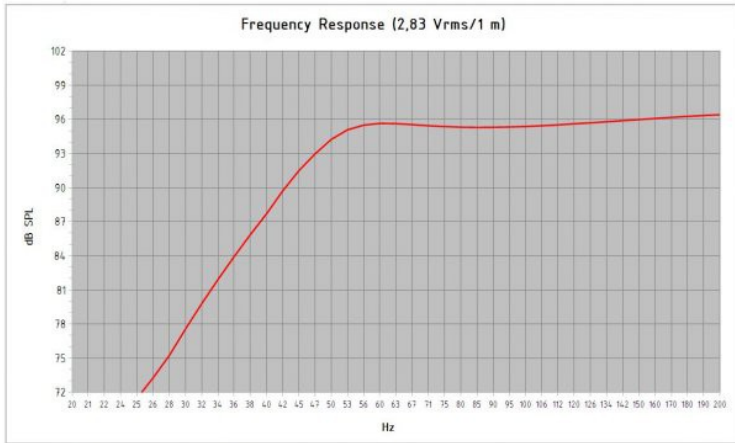
Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354.0 mm (13.9 in)
Depth	180 mm (7.09 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	6.0 dm ³ (0.21 ft ³)
Net weight	9.3 kg (20.5 lb)
Shipping units	1
Shipping weight	10.8 kg (23.2 lb)
Shipping box	500x500x250 mm (19.7x19.7x9.8 in)

Service Kit

RCK15NA1008

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: **15 NA 100**
Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters): **80**
Tuning Frequency (Hz): **50** Port Area (cm²): **222.3**
Frequency (-3 dB) (Hz): **50.1** Port Length (cm): **18.7**

Excursion Limited Maximum SPL at 1 meter (dB): **123.9** equal to **553.8** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **125.4** equal to **800.0** Watts (Mid Band Power Rating)