

# 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 <sup>1</sup>	800 W
Continuous power handling <sup>2</sup>	1600 W
Sensitivity (1W/1m) <sup>3</sup>	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 <sup>3</sup> (2.82 ft <sup>3</sup> )
Recommended tuning	50 Hz

### Parameters<sup>4</sup>

Fs	47 Hz
Re	5.1 Ω
Qes	0.29
Qms	6.1
Qts	0.28
Vas	88.0 dm <sup>3</sup> (3.1 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> )
η <sub>o</sub>	2.9 %
X <sub>max</sub>	10.0 mm
X <sub>var</sub>	9.0 mm
M <sub>ms</sub>	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 <sup>3</sup> (0.21 ft <sup>3</sup> )
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)

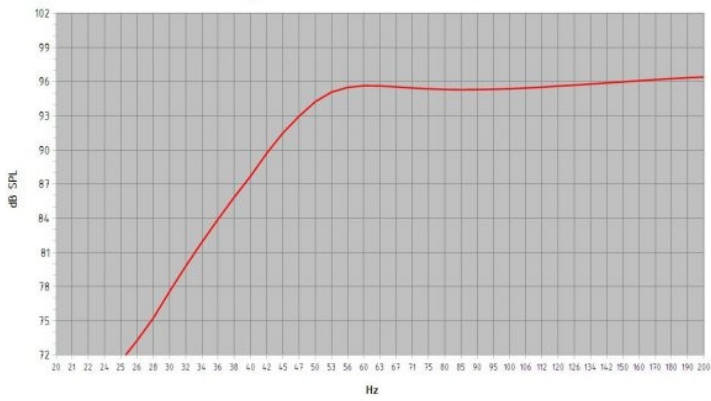
### Service Kit

RCK15NA1008
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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 (2,83 Vrms/1 m)



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

Internal Net Volume (Liters): **80**  
Tuning Frequency (Hz): **50** Port Area (cm<sup>2</sup>): **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)