

# 15NA100

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LF Drivers - 15.0 Inches

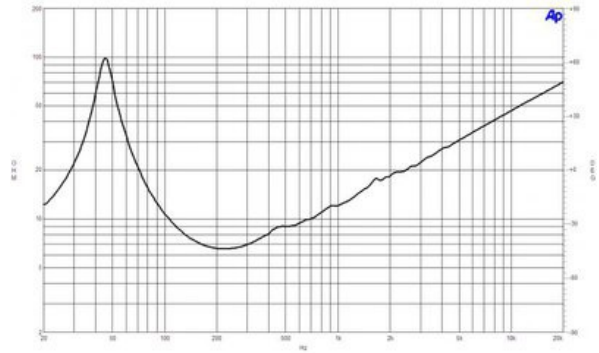
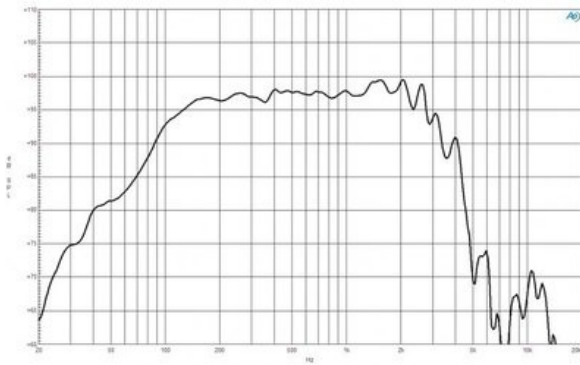


- 1600 W continuous program power capacity
- 100 mm (4 in) aluminium voice coil
- 45 - 2000 Hz response
- 98 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



# 15NA100

LF Drivers- 15.0 Inches



## 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
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

F <sub>s</sub>	47 Hz
R <sub>e</sub>	5.1 Ω
Q <sub>es</sub>	0.29
Q <sub>ms</sub>	6.1
Q <sub>ts</sub>	0.28
V <sub>as</sub>	88.0 dm <sup>3</sup> (3.1 ft <sup>3</sup> )
S <sub>d</sub>	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
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

- 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range F<sub>s</sub>-10F<sub>s</sub>. Power calculated on rated minimum impedance. Loudspeaker in free air.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.

**B&C Speakers s.p.a.**

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