

15NBX100

LF Drivers Neo - 15.0 Inches

2000 W continuous program power capacity
 100 mm (4 in) copper voice coil
 35 - 1500 Hz response
 97 dB sensitivity

FEA optimized Neodymium magnet assembly
 Aluminium demodulating ring allows a very low distortion figure
 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	6.4 Ω
Nominal power handling	1000 W
Continuous power handling	2000 W
Sensitivity (1W/1m)	97.0 dB
Frequency range	35 - 1500 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	25 mm (1.0 in)
Magnetic gap depth	11 mm (0.43 in)
Flux density	1.1 T

Design

Surround shape	Triple Roll
Cone shape	Exponential
Magnet material	Neodymium Ring

Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	114.0 dm ³ (4.0 ft ³)
Recommended tuning	35 Hz

Parameters

Fs	36 Hz
Re	5 Ω
Qes	0.31
Qms	4.2
Qts	0.29
Vas	125.0 dm ³ (4.4 ft ³)
Sd	855.0 cm ² (132.5 in ²)
η _o	2.0 %
Xmax	10.0 mm
Xvar	10.0 mm
Mms	151 g
Bl	25.0 Txm

Parameters

Le	2.0 mH
Ebp	116 Hz

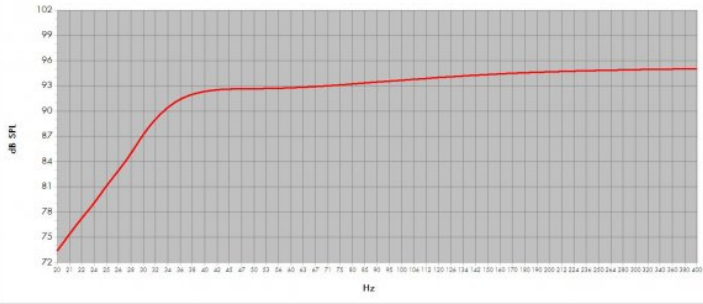
Mounting And Shipping Info

Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (16.7 in)
Baffle cutout diameter	353.0 mm (13.9 in)
Depth	180 mm (7.1 in)
Flange and gasket thickness	15 mm (0.6 in)
Air volume occupied by driver	6.0 dm ³ (0.21 ft ³)
Net weight	9.0 kg (19.8 lb)
Shipping units	1
Shipping weight	10.0 kg (22.0 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

Other

Service kit	RCK15NBX1008
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Frequency Response (1W/1m)



Model: **15NBX100**
 Enclosure Type: **Bass Reflex** Configuration: **One Driver**
 Internal Net Volume [Litres]: **114** Q_B: **7**
 Tuning Frequency [Hz]: **35** Port Area [cm²]: **222,3**
 Frequency (-3 dB) [Hz]: **39,1** Port Length [cm]: **33,2**

Excursion Limited Maximum SPL at 1 meter [dB]: **120,4** equal to **416,2** Watts (Bass Band Power Rating)
 Thermal Limited Maximum SPL at 1 meter [dB]: **125,1** equal to **1000,0** Watts (Mid Band Power Rating)