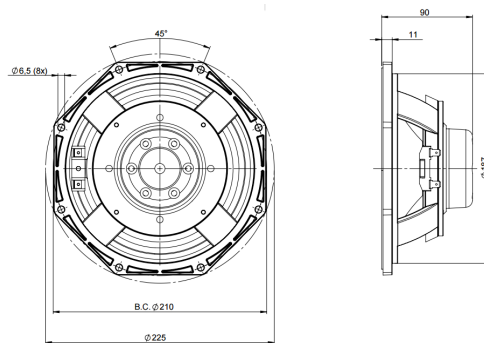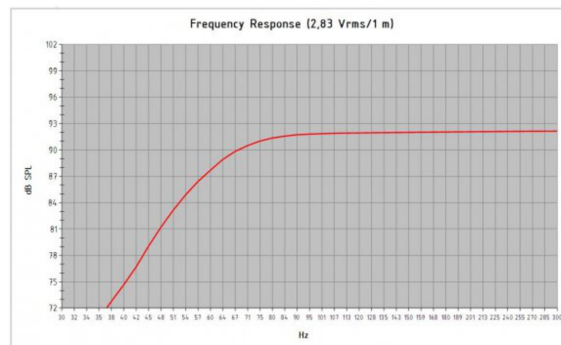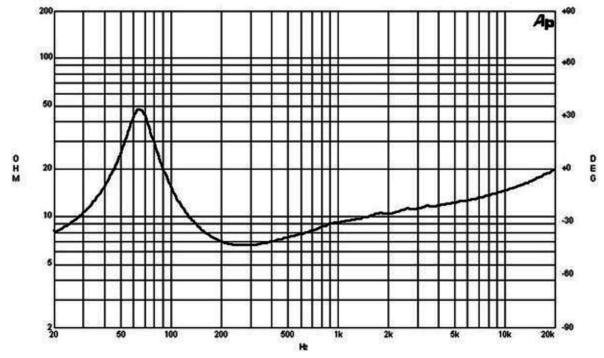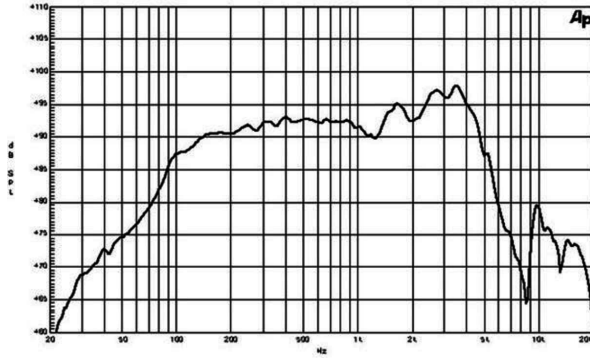# 8NDL51

LF Drivers - 8.0 Inches

8Ω

- 51 mm (2 in) copper voice coil
- 65 - 3000 Hz response
- 94 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Shorting copper cap for extended HF response
- 400 W continuous program power capacity
- Ventilated voice coil gap for reduced power compression

8NDL51

LF Drivers - 8.0 Inches

B&C SPEAKERS

Frequency Response (2,83 Vrms/1 m)

Model:	8 NDL 51		
Enclosure Type:	Bass Reflex		
Internal Net Volume (Liters):	14		
Tuning Frequency (Hz):	65	Port Area (cm²):	32.2
Frequency (-3 dB) (Hz):	64,7	Port Length (cm):	10.8

Excursion Limited Maximum SPL at 1 meter (dB): **113.4** equal to **160.2** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **114.4** equal to **200.0** Watts (Mid Band Power Rating)

SPECIFICATIONS

Nominal Diameter	200 mm (8.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.6 Ω
Nominal Power Handling[1]	200 W
Continuous Power Handling[2]	400 W
Sensitivity[3]	94.0 dB
Frequency Range	65 - 3000 Hz
Voice Coil Diameter	51 mm (2.0 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	17.0 mm (0.65 in)
Magnetic Gap Depth	8.0 mm (0.31 in)
Flux Density	1.05 T

DESIGN

Surround Shape	Double Roll
Cone Shape	Exponential
Magnet Material	Neodymium Inside Slug
Spider	Single
Pole Design	Straight Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	14.0 dm³ (0.49 ft³)
Recommended Tuning	65 Hz

PARAMETERS[4]

Resonance Frequency	66 Hz
Re	5.3 Ω
Qes	0.41
Qms	3.6
Qts	0.37
Vas	14.0 dm³ (0.5 ft³)
Sd	220.0 cm² (34.1 in²)
η_0	1.0 %
Xmax	± 7.0 mm
Xvar	± 7.0 mm
Mms	28.0 g
Bl	12.4 Txm
Le	0.5 mH
EBP	160 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	225 mm (8.8 in)
Bolt Circle Diameter	210 mm (8.3 in)
Baffle Cutout Diameter	187.0 mm (7.4 in)
Depth	90 mm (3.5 in)
Flange and Gasket Thickness	11 mm (0.4 in)
Air Volume Occupied by Horn 1.1 dm^3 (0.04 ft^3)	
Net Weight	1.8 kg (4.0 lb)
Shipping Units	1
Shipping Weight	2.25 kg (4.96 lb)
Shipping Box	
255x255x150 mm (10.04x10.04x5.91 in)	

SERVICE KIT

Recone kit	RCK008NDL518

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum 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.