10NDL64

8Ω

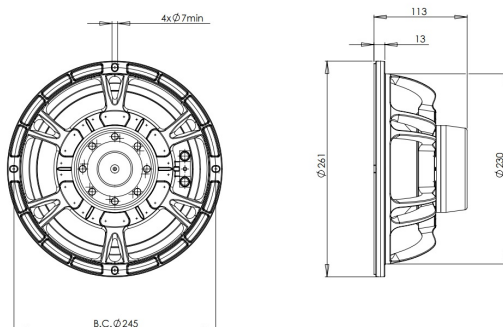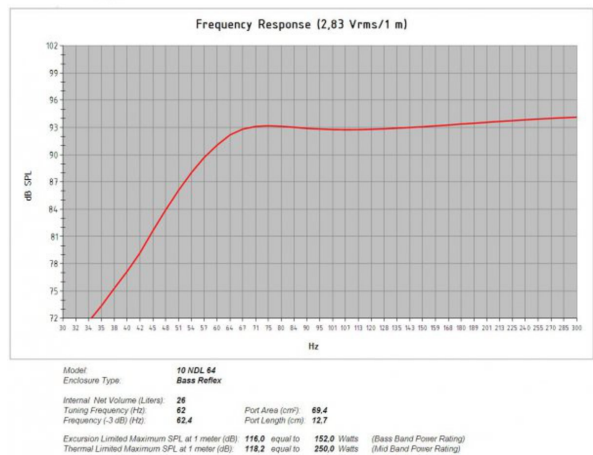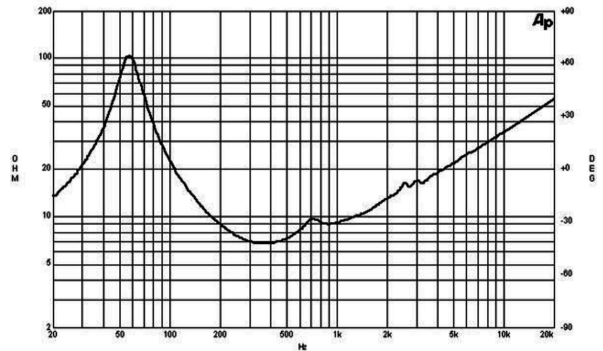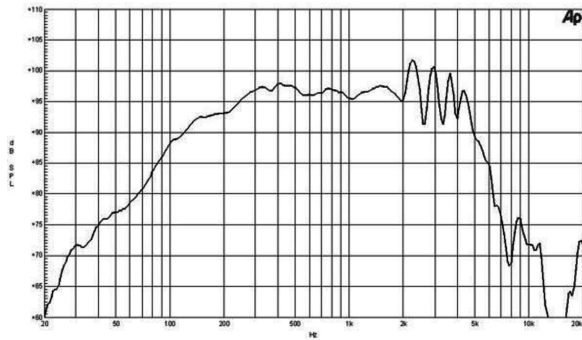**LF Drivers** - 10.0 Inches

- 500 W continuous program power capacity
- 64 mm (2.5 in) aluminium voice coil
- 50 - 3000 Hz response
- 97 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Ventilated voice coil gap for reduced power compression

10NDL64

LF Drivers- 10.0 Inches

Frequency Response (2,83 Vrms/1 m)

Model:	10 NDL 64		
Enclosure Type:	Bass Reflex		
Internal Net Volume (Liters):	26		
Tuning Frequency (Hz):	62	Port Area (cm²):	69,4
Frequency (-3 dB) (Hz):	62,4	Port Length (cm):	12,7
Excursion Limited Maximum SPL at 1 meter (dB):	116,0	equal to	152,0 Watts	(Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	118,2	equal to	250,0 Watts	(Mid Band Power Rating)

SPECIFICATIONS

Nominal Diameter	250 mm (10.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.0 Ω
Nominal Power Handling[1]	250 W
Continuous Power Handling[2]	500 W
Sensitivity[3]	97.0 dB
Frequency Range	50 - 3000 Hz
Voice Coil Diameter	64 mm (2.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	14.0 mm (0.55 in)
Magnetic Gap Depth	8.0 mm (0.31 in)
Flux Density	1.25 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	26.0 dm³ (0.92 ft³)
Recommended Tuning	62 Hz

PARAMETERS[4]

Resonance Frequency	56 Hz
Re	5.7 Ω
Qes	0.29
Qms	3.4
Qts	0.26
Vas	31.0 dm³ (1.1 ft³)
Sd	320.0 cm² (50.0 in²)
η$_0$	1.8 %
Xmax	± 6.0 mm
Xvar	± 7.0 mm
Mms	37.0 g
Bl	16.2 Txm
Le	0.9 mH
EBP	193 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	261 mm (10.3 in)
Bolt Circle Diameter	245 mm (9.6 in)
Baffle Cutout Diameter	230.0 mm (9.1 in)
Depth	113 mm (4.4 in)
Flange and Gasket Thickness	13 mm (0.5 in)
Air Volume Occupied by Horn	1.5 dm^3 (0.05 ft^3)
Net Weight	2.9 kg (6.4 lb)
Shipping Units	1
Shipping Weight	3.5 kg (7.7 lb)
Shipping Box	295x314x175 mm (11.61x12.36x6.89 in)

SERVICE KIT

Recone kit	RCK10NDL648

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.