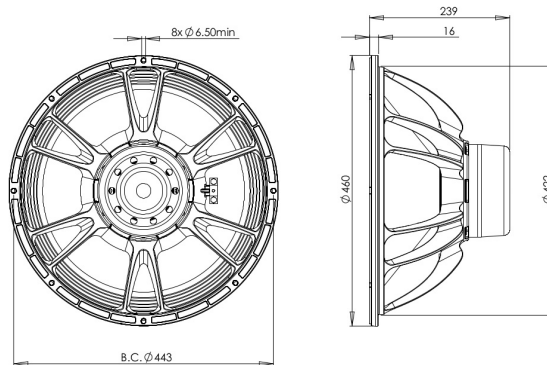


18DS100

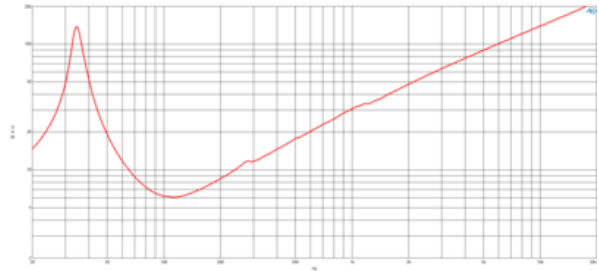
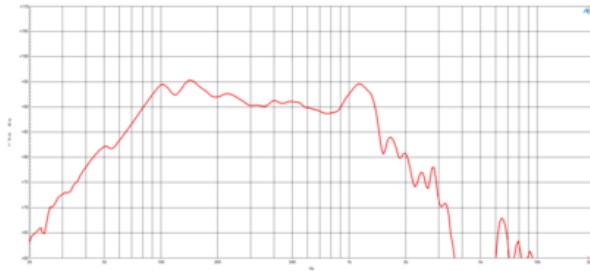
8Ω**LF Drivers - 18.0 Inches**

- 3000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 34 - 1000 Hz response
- 97.5 dB sensitivity
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion



18DS100

LF Drivers- 18.0 Inches



SPECIFICATIONS

Nominal Diameter	460 mm (18.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.1 Ω
Nominal Power Handling ¹	1500 W
Continuous Power Handling ²	3000 W
Sensitivity ³	97.5 dB
Frequency Range	34 - 1000 Hz
Voice Coil Diameter	100 mm (4.0 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	37.0 mm (1.46 in)
Magnetic Gap Depth	16.0 mm (0.63 in)
Flux Density	0.7 T

DESIGN

Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	200.0 dm ³ (7.06 ft ³)
Recommended Tuning	35 Hz

PARAMETERS⁴

Resonance Frequency	34 Hz
Re	4.5 Ω
Qes	0.3
Qms	9.5
Qts	0.29
Vas	155.0 dm ³ (5.47 ft ³)
Sd	1210.0 cm ² (187.55 in ²)
η _o	2.1 %
X _{max}	14.5 mm
X _{var}	14.0 mm
M _{ms}	278.0 g
Bl	30.0 Txm
Le	4.4 mH
EBP	113 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	443 mm (17.44 in)
Baffle Cutout Diameter	422.0 mm (16.61 in)
Depth	239 mm (9.41 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air Volume Occupied by Driver	10.0 dm ³ (0.35 ft ³)
Net Weight	10.5 kg (23.15 lb)
Shipping Units	1
Shipping Weight	12.3 kg (27.12 lb)
Shipping Box	500x500x300 mm (19.69x19.69x11.81 in)

SERVICE KIT

RCK18DS1008

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