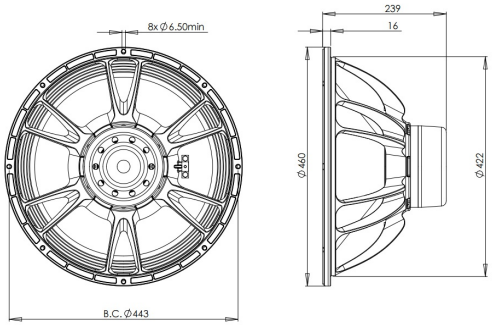
18SW100

LF Drivers - 18.0 Inches



- 3000 W continuous program power capacity
- 100 mm (4 in) split winding copper voice coil
- 35 - 1000 Hz response
- 97 dB sensitivity
- 57 mm peak-to-peak excursion before damage
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion

B&C Speakers s.p.a.

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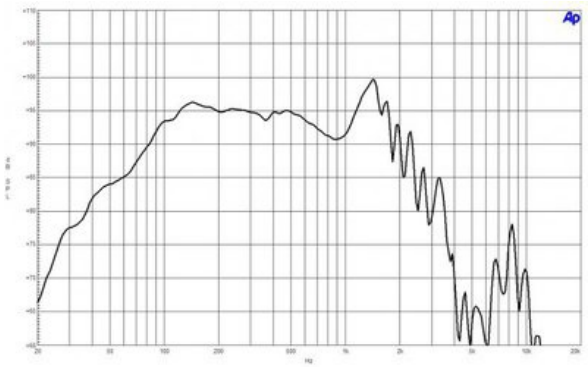

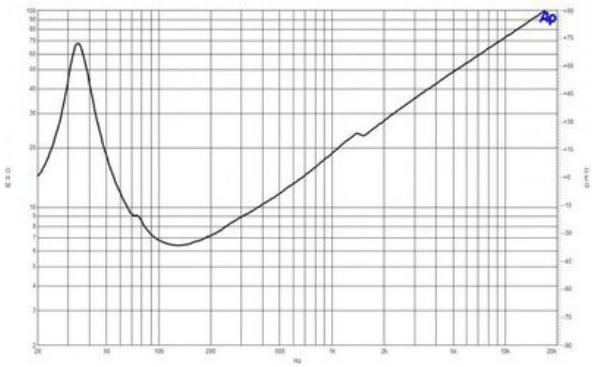

SPECIFICATIONS

Nominal diameter	460 mm (18.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.5 Ω
Nominal power handling[1]	1500 W
Continuous power handling[2]	3000 W
Sensitivity (1W/1m)[3]	97.0 dB
Frequency range	35 - 1000 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	32 mm (1.26 in)
Magnetic gap depth	14 mm (0.55 in)
Flux density	1.15 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	33 Hz

PARAMETERS

Fs	35 Hz
Re	5.3 Ω
Qes	0.4
Qms	5.9
Qts	0.38
Vas	180.0 dm^3 (6.3 ft^3)
Sd	1210.0 cm^2 (187.6 in^2)
η_0	1.9 %
Xmax	12.5 mm
Xvar	16.0 mm
Mms	234 g
Bl	26.1 Txm
Le	2.2 mH
EBP	87 Hz

MOUNTING AND SHIPPING INFO

Overall diameter	460 mm (18.0 in)
Bolt circle diameter	443 mm (17.44 in)
Baffle cutout diameter	422.0 mm (16.6 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	10.0 kg (22.0 lb)
Shipping units	1
Shipping weight	11.5 kg (25.3 lb)
Shipping box	500x500x250 mm (19.7x19.7x9.8 in)

SERVICE KIT

	RCK18SW1008

1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum 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.

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