B&C SPEAKERS®

ND LF DRIVERS

18DS115

ND SUBWOOFER

Preliminary data

3400 W
continuous program power capacity

116 mm (4.5 in)
split four layer winding aluminium voice coil

98 dB
sensitivity

30 - 500 Hz
response

60 mm
peak-to-peak excursion before damage

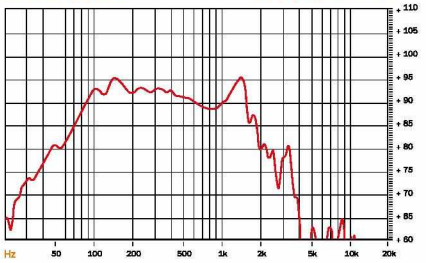
Neodymium magnet allows a very high force factor and linear excursion

Double silicone spider with optimized compliance

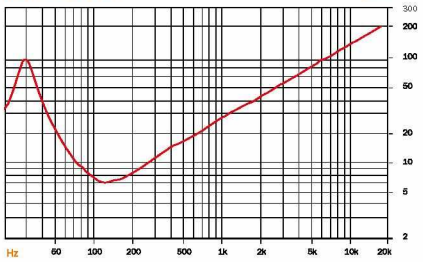
Ventilated voice coil gap for reduced power compression

Aluminium demodulating ring for very low distortion

SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 Ω
Minumum Impedance	7 Ω
Power Handling	
Nominal (AES)[1]	1700 W
Continuous Program[2]	3400 W
Sensitivity (1W/1m)[3]	98 dB
Frequency Range	30 - 500 Hz
Voice Coil Diameter	116 mm (4.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	40 mm (1.57 in)
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	0.8 T
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	Both Sides

Also available in 4 Ω, data upon request

THIELE & SMALL PARAMETERS[4]

Fs	30 Hz
Re	5.0 Ω
Qes	0.21
Qms	4.3
Qts	0.2
Vas	168 dm³ (5.93 ft³)
Sd	1210 cm² (187.6 in²)
η_0	2.2 %
X max	± 16.5 mm
X var	± 14 mm
Mms	330 g
Bl	39 T·m
Le	3.85 mH
EBP	142 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	242 mm (9.53 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air volume occupied by driver	10 dm³ (0.35 ft³)
Net Weight	12 kg (26.46 lb)
Shipping Weight	13.6 kg (29.98 lb)
Shipping Box	500x495x275 mm (19.68x19.48x10.83 in)
Service kit	RCK18DS115-8

[1] Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified 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. Average SPL from 100 to 500 Hz.

[4] Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.