

# 15BG100

## LF Drivers - 15.0 Inches

2000 W continuous program power capacity

100 mm (4 in) copper voice coil

35 - 1000 Hz response

94.5 dB sensitivity

FEA optimized Neodymium magnet assembly

Double silicone spider with optimized compliance

Ventilated voice coil gap for reduced power compression



## Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 $\Omega$
Minimum impedance	6.0 $\Omega$
Nominal power handling <sup>1</sup>	1000 W
Continuous power handling <sup>2</sup>	2000 W
Sensitivity (1W/1m) <sup>3</sup>	94.5 dB
Frequency range	35 - 1000 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	27 mm (1.05 in)
Magnetic gap depth	11 mm (0.43 in)
Flux density	1.25 T

## Design

Surround shape	Roll
Cone shape	Radial
Magnet material	Neodymium Inside Slug

## Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	160.0 dm <sup>3</sup> (5.65 ft <sup>3</sup> )
Recommended tuning	29 Hz

## Parameters<sup>4</sup>

Fs	36 Hz
Re	5.1 $\Omega$
Qes	0.49
Qms	5.0
Qts	0.44
Vas	83.0 dm <sup>3</sup> (2.93 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> )
$\eta_o$	0.8 %
Xmax	10.5 mm
Xvar	14.0 mm
Mms	240 g
Bl	23.0 Txm

## Parameters

Le	1.6 mH
EBP	73 Hz

## Mounting And Shipping Info

Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354.0 mm (13.9 in)
Depth	189 mm (7.44 in)
Flange and gasket thickness	24 mm (0.94 in)
Air volume occupied by driver	6.0 dm <sup>3</sup> (0.21 ft <sup>3</sup> )
Net weight	8.6 kg (18.9 lb)
Shipping units	1
Shipping weight	10.0 kg (22.0 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

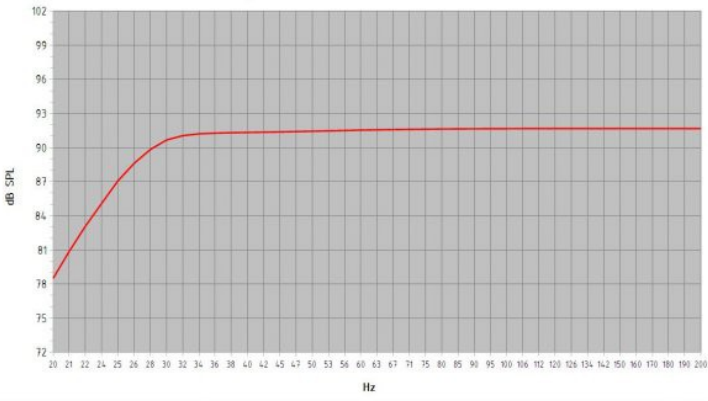
## Service Kit

RCK15BG1008

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

Frequency Response (2,83 Vrms/1 m)



Model: **15 BG 100**  
Enclosure Type: **Bass Reflex**  
Internal Net Volume (Liters): **160**  
Tuning Frequency (Hz): **29** Port Area (cm<sup>2</sup>): **222.3**  
Frequency (-3 dB) (Hz): **26.5** Port Length (cm): **35.1**  
Excursion Limited Maximum SPL at 1 meter (dB): **115.7** equal to **337.7** Watts (Bass Band Power Rating)  
Thermal Limited Maximum SPL at 1 meter (dB): **120.4** equal to **1000.0** Watts (Mid Band Power Rating)