

12PLB100

FE WOOFER



1200 W
continuous program
power capacity

100 mm (4 in)
aluminium voice coil

Aluminium
demodulating ring
for very low distortion

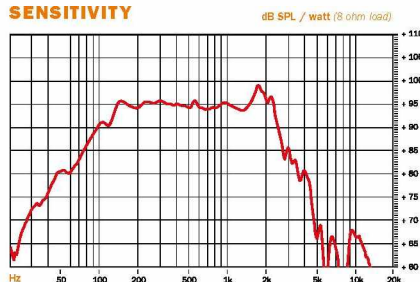
97 dB
sensitivity

50 - 2500 Hz
response

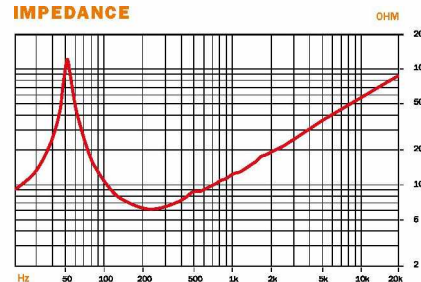
Ventilated voice
coil gap for reduced
power compression



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	6 Ω
Power Handling (50-500 Hz)	
Nominal (AES) ¹	600 W
Continuous program ²	1200 W
Sensitivity (1W/1m) ³	97 dB
Frequency Range	50 - 2500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	23 mm (0.91 in)
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.0 T
Magnet Material	Ferrite Ring
Waterproof Cone Treatment	Front Side

THIELE & SMALL PARAMETERS⁴

Fs	50 Hz
Re	5.1 Ω
Qes	0.38
Qms	9.2
Qts	0.37
Vas	47 dm ³ (1.6 ft ³)
Sd	531 cm ² (82 in ²)
η ₀	1.7 %
X max	± 9 mm
X var	± 7 mm
Mms	77 g
Bl	18.4 T·m
Le	1.6 mH
EBP	131 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	319 mm (12.5 in)
Bolt Circle Diameter	299 mm (11.8 in)
Baffle Cutout Diameter	282 mm (11.1 in)
Depth	122 mm (4.8 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Air volume occupied by driver	3.5 dm ³ (0.12 ft ³)
Net Weight	9.3 kg (20.5 lb)
Shipping Weight	10.2 kg (22.49 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)
Service kit	RCK12PLB100-8

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.

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