

15PS100

FE SUBWOOFER



1400 W
continuous program
power capacity

100 mm (4 in)
copper voice coil

Double silicone
spider with optimized
compliance

95.0 dB
sensitivity

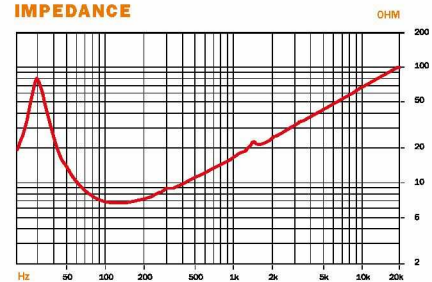
35 - 1500 Hz
response



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Power Handling	
Nominal (AES) ¹	700 W
Continuous Program ²	1400 W
Sensitivity (1W/1m) ³	95.0 dB
Frequency Range	35 - 1500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	21 mm (0.83 in)
Magnetic Gap Depth	11 mm (0.4 in)
Flux Density	1.05 T
Magnet Material	Ferrite
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	39 Hz
Re	5.2 Ω
Qes	0.47
Qms	6.0
Qts	0.43
Vas	103.0 dm ³ (3.64 ft ³)
Sd	855.0 cm ² (132.5 in ²)
η _o	1.35 %
X max	± 8 mm
X var	± 6.5 mm
Mms	160 g
Bl	21.2 T·m
Le	2.0 mH
EBP	82 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	354 mm (13.9 in)
Depth	168 mm (6.6 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air volume occupied by driver	6.3 dm ³ (0.22 ft ³)
Net Weight	9.8 kg (21.5 lb)
Shipping Weight	11.1 kg (24.4 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.86 in)
Service kit	RCK15PS100-8

Also available in 4 Ω, data upon request

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 150 to 1500 Hz.

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