

15PS100

LF Drivers - 15 Inches

1400 W continuous program power capacity
 100 mm (4 in) copper voice coil
 35 - 1000 Hz response
 94.5 dB sensitivity
 Double silicone spider with optimized compliance



Specification

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 ohm
Minimum Impedance	6.5 ohm
Continuous Power Handling	1400 W
Nominal Power Handling (AES)	700 W
Sensitivity (1W/1m)	94 dB
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Magnet Material	Ceramic Ring
Winding Depth	21 mm (0.83 in)
Magnetic Gap Depth	10.5 mm (0.4 in)
Flux Density	1.05 T

Design

Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Type	Ceramic Ring
Spider	Double Silicone

Design

Pole Design	T-Pole
Recommended Enclosure vol	100 dm ³ (3.53 ft ³)
Recommended tuning freq.	40 Hz

Parameters

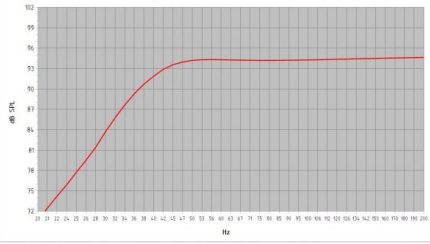
Fs	33 Hz
Re	5.3 ohm
Qes	0.33
Qms	4.8
Qts	0.31
Vas	152 dm ³ (5.3 ft ³)
Sd	855 cm ² (132.5 in ²)
EtaZero	1.8 %
Xmax	+ - 8 mm
Xvar	+ - 8 mm
Mms	145 g
Bl	22.5 Txm
Le	2.1 mH
EBP	100 Hz

Mounting & Shipping

Overall Diameter	393 mm (26.6 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 (0.62 in)
Air volume occupied by driver	6.3 dm ³ (0.22 ft ³)
Net Weight	9.8 kg (11.1 lb)
Shipping Weight	11.1 kg (24.4 lb)
Shipping Box	420x420x200 mm (16.5x16.5x7.9 in)

Service kit RCK15PS1008

Frequency Response (2,83 Vrms/1 m)



Model: **15 PS 100**
 Enclosure Type: **Bass Reflex**
 Internal Net Volume (Liters): **500**
 Tuning Frequency (Hz): **40** (Port Area (cm²): **322.3**)
 Frequency (-3dB) (Hz): **40.0** (Port Length (cm): **27.1**)
 Excursion Limited Maximum SPL at 1 meter (dB): **118.0** equal to **254.3** Watts (Bass Band Power Rating)
 Thermal Limited Maximum SPL at 1 meter (dB): **122.4** equal to **700.0** Watts (All Band Power Rating)