

12PE32

LF Drivers - 12 Inches

500 W continuous program power capacity
 64 mm (2.5 in) aluminium voice coil
 50 - 4000 Hz response
 101 dB sensitivity



Specification

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 ohm
Minimum Impedance	6.7 ohm
Continuous Power Handling	500 W
Nominal Power Handling (AES)	250 W
Sensitivity (1W/1m)	101 dB
Frequency Range	50 - 4000 Hz
Voice Coil Diameter	65 mm (2.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Magnet Material	Ceramic Ring
Winding Depth	12 mm (0.5 in)
Magnetic Gap Depth	7 mm (0.28 in)
Flux Density	1.4 T

Design

Surround Shape	Triple Roll
Cone Shape	Exponential
Magnet Type	Ceramic Ring
Spider	Single

Design

Pole Design	Straight Pole
Recommended Enclosure vol	31 dm ³ (1.1 ft ³)
Recommended tuning freq.	85 Hz

Parameters

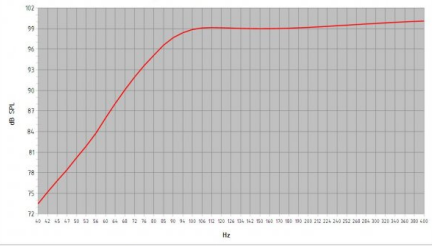
Fs	51 Hz
Re	5.8 ohm
Qes	0.19
Qms	7.6
Qts	0.18
Vas	101 dm ³ (3.56 ft ³)
Sd	522 cm ² (80.9 in ²)
EtaZero	6.8 %
Xmax	+ - 2.8 mm
Xvar	+ - 5 mm
Mms	37 g
Bl	19.1 Txm
Le	1.2 mH
EBP	268 Hz

Mounting & Shipping

Overall Diameter	315 mm (12.4 in)
Bolt Circle Diameter	296 mm (11.6 in)
Baffle Cutout Diameter	282 mm (11.1 in)
Depth	135 mm (5.3 in)
Flange and Gasket Thickness	15 mm (0.59 in)
Air volume occupied by driver	3.1 dm ³ (0.11 ft ³)
Net Weight	7.6 kg (16.7 lb)
Shipping Weight	8.4 kg (18.7 lb)
Shipping Box	380x380x180 mm (15x15x6.7 in)

Service kit	RCK012PE328
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Frequency Response (2,83 Vrms/1 m)



Model: **52 PE 23**
Excitator Type: **Blaze Matrix**
Internal Net Volume (L/Inch³): **31**
Resonance Frequency (Hz): **65** **First Area (cm²):** **218.7**
Frequency (-1 dB) (Hz): **65.0** **Flare Length (cm):** **7.0**
Excursion Limited Maximum SPL at 1 meter (dB): **122.7** equal to **250.0** Watts (Base Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **123.8** equal to **260.0** Watts (Mid Band Power Rating)