

6PS44

LF Drivers - 6.5 Inches

400W continuous power capacity
44 mm (1.7 in) aluminium voice coil
70 - 5000 Hz frequency response
93 dB sensitivity



Specifications

Nominal diameter	170 mm (6.69 in)
Nominal impedance	8 Ω
Minimum impedance	6.0 Ω
Nominal power handling ¹	200 W
Continuous power handling ²	400 W
Sensitivity (1W/1m) ³	93.0 dB
Frequency range	70 - 5000 Hz
Voice coil diameter	44 mm (1.73 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	12 mm (0.49 in)
Magnetic gap depth	6 mm (0.24 in)
Flux density	1.4 T

Design

Surround shape	Roll
Cone shape	Radial
Magnet material	Ferrite Ring

Design

Spider	Single
Pole design	Straight Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	9.0 dm ³ (0.32 ft ³)
Recommended tuning	70 Hz

Parameters⁴

Fs	71 Hz
Re	5.3 Ω
Qes	0.34
Qms	12.5
Qts	0.33
Vas	7.0 dm ³ (0.25 ft ³)
Sd	132.0 cm ² (20.46 in ²)
η _o	0.7 %
Xmax	4.5 mm
Xvar	6.0 mm
Mms	18 g
Bl	11.0 Txm

Parameters

Le	0.7 mH
EBP	208 Hz

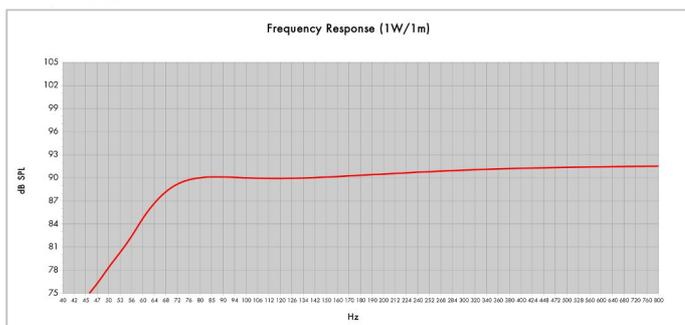
Mounting And Shipping Info

Overall diameter	187 mm (7.36 in)
Bolt circle diameter	172 mm (6.77 in)
Baffle cutout diameter	145.0 mm (5.71 in)
Depth	90 mm (3.54 in)
Flange and gasket thickness	11 mm (0.43 in)
Air volume occupied by driver	0.9 dm ³ (0.03 ft ³)
Net weight	2.5 kg (5.51 lb)
Shipping units	4
Shipping weight	11.0 kg (24.25 lb)
Shipping box	405x225x210 mm (15.94x8.86x8.27 in)

Service Kit

RCK06PS448

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.



Model:	4PS44	Configuration:	One Driver
Enclosure Type:	Box Reflex	Q8:	5
Internal Net Volume [Litres]:	9	Port Area [cm ²]:	26.0
Tuning Frequency [Hz]:	70	Port Length [cm]:	12.7
Frequency [3 dB] [Hz]:	69.7		
Frequency [10 dB] [Hz]:	54.8		