

8PS21

LF Drivers - 8.0 Inches

400 W continuous program power capacity
 50 mm (2 in) copper voice coil
 70 - 3000 Hz response
 94 dB sensitivity
 Shorting copper cap for extended HF response



Specifications

Nominal diameter	200 mm (8.0 in)
Nominal impedance	8 Ω
Minimum impedance	7.0 Ω
Nominal power handling ¹	200 W
Continuous power handling ²	400 W
Sensitivity (1W/1m) ³	94.0 dB
Frequency range	70 - 3000 Hz
Voice coil diameter	50 mm (2.0 in)
Winding material	Copper
Former material	Kapton
Winding depth	16 mm (0.62 in)
Magnetic gap depth	8 mm (0.31 in)
Flux density	1.1 T

Design

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Ceramic

Design

Spider	Single
Pole design	T-Pole
Woofers cone treatment	None
Recommended enclosure	14.0 dm ³ (0.49 ft ³)
Recommended tuning	73 Hz

Parameters⁴

Fs	73 Hz
Re	5.4 Ω
Qes	0.36
Qms	4.2
Qts	0.33
Vas	14.0 dm ³ (0.49 ft ³)
Sd	220.0 cm ² (34.1 in ²)
η _o	1.5 %
Xmax	5.0 mm
Xvar	4.0 mm
Mms	23 g
Bl	12.6 Txm

Parameters

Le	0.5 mH
EBP	202 Hz

Mounting And Shipping Info

Overall diameter	225 mm (8.8 in)
Bolt circle diameter	210 mm (8.3 in)
Baffle cutout diameter	187.0 mm (7.4 in)
Depth	91 mm (3.6 in)
Flange and gasket thickness	11 mm (0.4 in)
Air volume occupied by driver	1.2 dm ³ (0.04 ft ³)
Net weight	3.4 kg (7.5 lb)
Shipping weight	3.7 kg (8.1 lb)
Shipping box	220x220x130 mm (8.7x8.7x5.1 in)

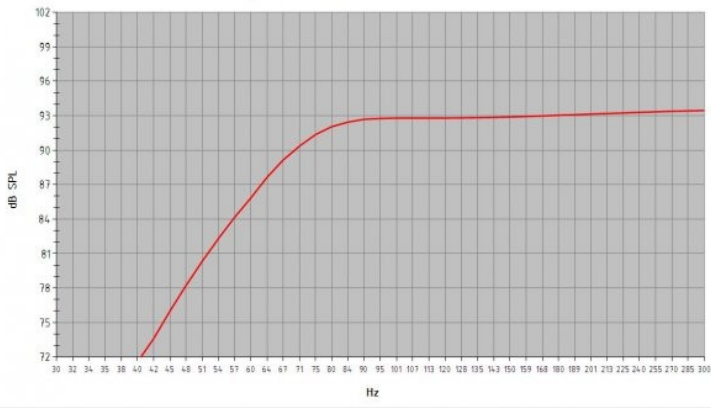
Service Kit

RCK008PS218

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.

Frequency Response (2,83 Vrms/1 m)



Model: **8 PS 21**
 Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters): **14**
 Tuning Frequency (Hz): **73** Port Area (cm²): **32.2**
 Frequency (-3 dB) (Hz): **72.8** Port Length (cm): **7.4**

Excursion Limited Maximum SPL at 1 meter (dB): **110.6** equal to **54.4** Watts (Bass Band Power Rating)
 Thermal Limited Maximum SPL at 1 meter (dB): **116.3** equal to **200.0** Watts (Mid Band Power Rating)