

# 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 <sup>1</sup>	200 W
Continuous power handling <sup>2</sup>	400 W
Sensitivity (1W/1m) <sup>3</sup>	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	Ferrite

### Design

Spider	Single
Pole design	T-Pole
Woofer cone treatment	None
Recommended enclosure	14.0 dm <sup>3</sup> (0.49 ft <sup>3</sup> )
Recommended tuning	73 Hz

### Parameters<sup>4</sup>

Fs	73 Hz
Re	5.4 Ω
Qes	0.36
Qms	4.2
Qts	0.33
Vas	14.0 dm <sup>3</sup> (0.49 ft <sup>3</sup> )
Sd	220.0 cm <sup>2</sup> (34.1 in <sup>2</sup> )
η <sub>o</sub>	1.5 %
X <sub>max</sub>	5.0 mm
X <sub>var</sub>	4.0 mm
M <sub>ms</sub>	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 <sup>3</sup> (0.04 ft <sup>3</sup> )
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)

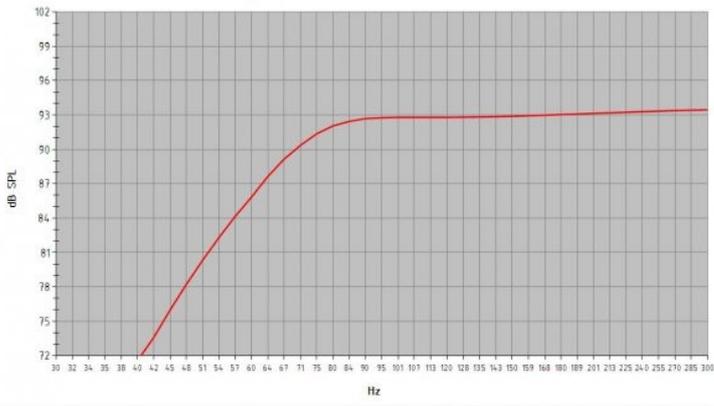
### Service Kit

RCK008PS218
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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 (cm<sup>2</sup>): **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)