



8PE21

LF Drivers - 8.0 Inches

- 400 W continuous program power capacity
- 50 mm (2 in) copper voice coil
- 90 - 5000 Hz response
- 98 dB sensitivity



Specifications

| | |
|--|-----------------|
| Nominal diameter | 200 mm (8.0 in) |
| Nominal impedance | 8 Ω |
| Minimum impedance | 7.2 Ω |
| Nominal power handling ¹ | 200 W |
| Continuous power handling ² | 400 W |
| Sensitivity (1W/1m) ³ | 98.0 dB |
| Frequency range | 90 - 5000 Hz |
| Voice coil diameter | 50 mm (2.0 in) |
| Winding material | Copper |
| Former material | Kapton |
| Winding depth | 9 mm (0.37 in) |
| Magnetic gap depth | 8 mm (0.31 in) |
| Flux density | 1.25 T |

Design

| | |
|-----------------|-------------|
| Surround shape | Triple Roll |
| Cone shape | Radial |
| Magnet material | Ferrite |

Design

| | |
|-----------------------|---------------|
| Spider | Single |
| Pole design | Straight Pole |
| Woofer cone treatment | None |

Parameters⁴

| | |
|----------------|---|
| Fs | 87 Hz |
| Re | 5.6 Ω |
| Qes | 0.2 |
| Qms | 3.8 |
| Qts | 0.19 |
| Vas | 13.0 dm ³ (0.46 ft ³) |
| Sd | 220.0 cm ² (34.1 in ²) |
| η _o | 4.1 % |
| Xmax | 3.5 mm |
| Xvar | 4.5 mm |
| Mms | 18 g |
| Bl | 16.6 Txm |
| Le | 0.5 mH |
| EBP | 435 Hz |

Mounting And Shipping Info

| | |
|-------------------------------|---|
| Overall diameter | 225 mm (8.86 in) |
| Bolt circle diameter | 210 mm (8.27 in) |
| Baffle cutout diameter | 187.0 mm (7.36 in) |
| Depth | 91 mm (3.58 in) |
| Flange and gasket thickness | 11 mm (0.43 in) |
| Air volume occupied by driver | 1.2 dm ³ (0.04 ft ³) |
| Net weight | 4.2 kg (9.26 lb) |
| Shipping units | 1 |
| Shipping weight | 4.6 kg (10.14 lb) |
| Shipping box | 260x260x160 mm (10.24x10.24x6.30 in) |

Service Kit

RCK008PE218

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.