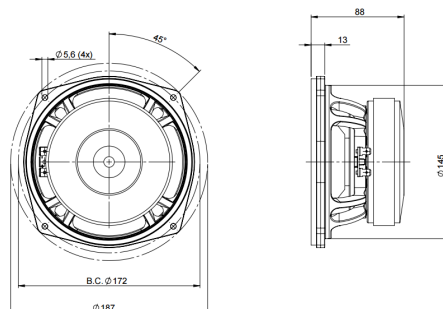


# 6PS44

8Ω

LF Drivers - 6.5 Inches

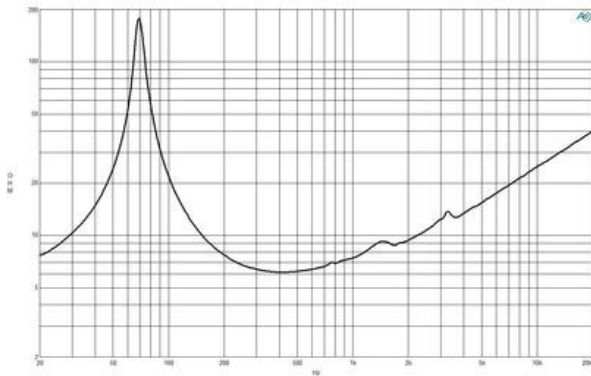
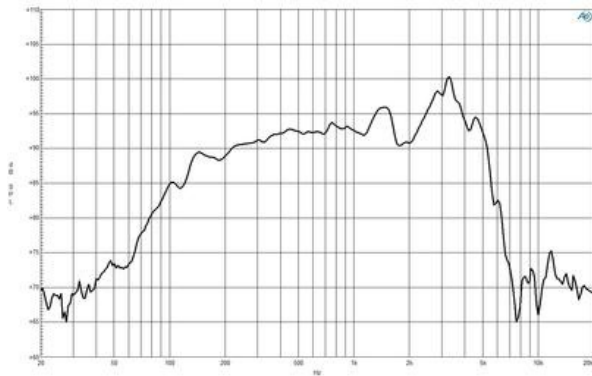


- 400W continuous power capacity
- 44 mm (1.7 in) aluminium voice coil
- 70 - 5000 Hz frequency response
- 93 dB sensitivity



# 6PS44

## LF Drivers- 6.5 Inches



### SPECIFICATIONS

|                                        |                  |
|----------------------------------------|------------------|
| Nominal Diameter                       | 170 mm (6.69 in) |
| Nominal Impedance                      | 8 $\Omega$       |
| Minimum Impedance                      | 6.0 $\Omega$     |
| Nominal Power Handling <sup>1</sup>    | 200 W            |
| Continuous Power Handling <sup>2</sup> | 400 W            |
| Sensitivity <sup>3</sup>               | 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                                     |
| Spider                | Single                                      |
| Pole Design           | Straight Pole                               |
| Woofer Cone Treatment | WP Waterproof Front Side                    |
| Recommended Enclosure | 9.0 dm <sup>3</sup> (0.32 ft <sup>3</sup> ) |
| Recommended Tuning    | 70 Hz                                       |

### PARAMETERS<sup>4</sup>

|                     |                                                |
|---------------------|------------------------------------------------|
| Resonance Frequency | 71 Hz                                          |
| Re                  | 5.3 $\Omega$                                   |
| Qes                 | 0.34                                           |
| Qms                 | 12.5                                           |
| Qts                 | 0.33                                           |
| Vas                 | 7.0 dm <sup>3</sup> (0.25 ft <sup>3</sup> )    |
| Sd                  | 132.0 cm <sup>2</sup> (20.46 in <sup>2</sup> ) |
| $\eta_o$            | 0.7 %                                          |
| Xmax                | 4.5 mm                                         |
| Xvar                | 6.0 mm                                         |
| Mms                 | 18 g                                           |
| Bl                  | 11.0 Txm                                       |
| 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                         | 88 mm (3.46 in)                             |
| Flange and Gasket Thickness   | 13 mm (0.51 in)                             |
| Air Volume Occupied by Driver | 0.9 dm <sup>3</sup> (0.03 ft <sup>3</sup> ) |
| Net Weight                    | 2.5 kg (5.51 lb)                            |
| Shipping Units                | 4                                           |
| Shipping Weight               | 13.0 kg (28.66 lb)                          |
| Shipping Box                  | 405x225x210 mm (15.94x8.86x8.27 in)         |

### SERVICE KIT

RCK06PS448

- 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.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
- Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.