

# L12P110K

## MID-BASS

### DESCRIPTION

Very high efficiency and low distortion are special features of this mid-bass transducers. Special treatment are applied to cone surface and surround for optimum dampening.



### FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1000W continuous program power handling
- 101 dB Sensitivity
- 60 Hz - 2 kHz Frequency range
- M-roll damped surround
- Corrugated straight damped cone

## TECHNICAL SPECIFICATIONS

### General specifications

|                               |                     |
|-------------------------------|---------------------|
| Nominal Diameter:             | 12 inch / 305 mm    |
| Rated Impedance:              | 8 ohm               |
| Program Power (watt):         | 1000 W              |
| Power handling capacity:      | 500 W               |
| Sensitivity:                  | 101.0 dB            |
| Frequency range:              | 60 - 2000 Hz        |
| Effective piston diameter:    | 260 mm / 10.24 inch |
| Max. Excursion Before Damage: | 48 mm / 1.89 inch   |
| Minimum Impedance (ohm):      | 7.6 ohm             |
| Voice Coil Diameter:          | 4.0 inch / 102 mm   |
| Voice Coil Winding Material:  | Copper              |
| Voice Coil Length:            | 11 mm / 0.43 inch   |
| Number of layers:             | 2                   |
| Kind of layers:               | inside/outside      |
| Top Plate Thickness:          | 9 mm / 0.35 inch    |
| Cone Design:                  | Curved              |
| Surround Material:            | Polycotton          |
| Surround Design:              | M-roll              |
| Magnets:                      | Ceramic             |
| Spider:                       | Single              |

### Thiele - small parameters

|                                      |                      |
|--------------------------------------|----------------------|
| Resonance frequency (Fs):            | 44 Hz                |
| DC resistance (Re) (ohm):            | 5.60 ohm             |
| Mechanical factor:                   | 4.30 Qms             |
| Electrical factor:                   | 0.14 Qes             |
| Total factor:                        | 0.13 Qts             |
| Bl factor (Bl) (T x m):              | 25.00 T x m          |
| Effective moving mass (Mms):         | 55.0 g               |
| Equivalent Cas air loaded (Vas):     | 98.0 liters          |
| Effective piston area (Sd):          | 0.050 m <sup>2</sup> |
| Max. linear excursion (Xmax):        | 3.0 mm               |
| Voice coil inductance @ 1kHz (Le1k): | 1.00 mH              |
| Half-space efficiency (Eff):         | 5.75%                |

### Mounting informations

|                                |                                   |
|--------------------------------|-----------------------------------|
| Overall diameter:              | 312 mm / 12.28 inches             |
| Bolt circle diameter:          | 293-296 mm / 11.54-11.65 inch     |
| Bolt hole diameter:            | 7 mm / 0.28 inch                  |
| Front mount baffle cut-out:    | 285 mm / 11.22 inch               |
| Rear mount baffle cut-out:     | 283 mm / 11.14 inch               |
| Volume occupied by the driver: | 2.8 liters / 0.11 ft <sup>3</sup> |

### Standard compliance

|             |     |
|-------------|-----|
| CE marking: | Yes |
|-------------|-----|

### Physical specifications

|        |       |
|--------|-------|
| Color: | Black |
|--------|-------|



|             |           |                       |
|-------------|-----------|-----------------------|
| <b>Size</b> | Height:   | 115 mm / 4.53 inches  |
|             | Diameter: | 312 mm / 12.28 inches |
|             | Weight:   | 10.45 kg / 23.04 lbs  |

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|                              |                 |                       |
|------------------------------|-----------------|-----------------------|
| <b>Shipping informations</b> | Package Height: | 180 mm / 7.09 inches  |
|                              | Package Width:  | 360 mm / 14.17 inches |
|                              | Package Depth:  | 355 mm / 13.98 inches |
|                              | Package Weight: | 11.4 kg / 25.13 lbs   |

## **PART NUMBER**

- **11146001**  
L12P110K  
8ohm



