# L15P400

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**Description**

Incredibly linear frequency response characteristics, extreme high power handling while generating the lowest harmonic distortion of any comparable15-inch trasducer wtihin its application range.
The L15P400 uses a fibre loaded cone assembly along with a high excursion triple roll surround. This combination provides remarkable strength and a peak to peak maximum excursion of 52mm. The T-pole also features RCF Precision's spaced gap demodulation technology, progressively braking the voice coil, providing a much smoother transition for the moving mass as it reachees its maximum excursion limits.Forced air venting system.

**Features**

› 4-inch, fiberglass inside/outside copper voice coil
› 1600W continuous program power handling
› 97 dB Sensitivity
› 30 Hz – 1.5 kHz Frequency range
› Aluminum demodulation ring
› Forced air ventilation and 14mm top plate for minimum power compression
› Dual spider design with silicon based dampening control
› Triple-roll surround and corrugated straight cone geometry

**Part Number**

11100045 L15P400 8ohm

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**TECHNICAL SPECIFICATIONS**

| | | |
|---|---|---|
| General specifications | Nominal Diameter | 15 inch / 381 mm |
| | Rated Impedance | 8 ohm |
| | Program Power (watt) | 1600 W |
| | Power handling capacity | 800 W |
| | Sensitivity | 97.0 dB |
| | Frequency range | 30 - 1500 Hz |
| | Effective piston diameter | 340 mm / 13.39 inch |
| | Max. Excursion Before Damage | 50 mm / 1.97 inch |
| | Minimum Impedance (ohm) | 6.3 ohm |
| | Voice Coil Diameter | 4.0 inch / 102 mm |
| | Voice Coil Winding Material | Copper |
| | Voice Coil Length | 23 mm / 0.91 inch |
| | Number of layers | 2 |
| | Kind of layers | inside/outside |
| | Top Plate Thickness | 14 mm / 0.55 inch |
| | Cone Design | Straight |
| | Surround Material | Polycotton |
| | Surround Design | Triple roll |
| | Magnets | Ceramic |
| | Dual-force air ventilation | Yes |
| | Spider | Dual with silicon based damping control |
| Thiele - small parameters | Resonance frequency (Fs) | 36 Hz |
| | DC resistance (Re) (ohm) | 4.80 ohm |
| | Mechanical factor | 7.50 Qms |
| | Electrical factor | 0.27 Qes |
| | Total factor | 0.25 Qts |
| | Bl factor (Bl) (T x m) | 24.80 T x m |
| | Effective moving mass (Mms) | 150.0 g |
| | Equivalent Cas air loaded (Vas) | 160.0 liters |
| | Effective piston area (Sd) | 0.090 m2 |
| | Max. linear excursion (Xmax) | 8 mm |
| | Voice coil inductance @ 1kHz (Le1k) | 1.20 mH |
| | Half-space efficency (Eff) | 2.60% |
| Mounting information | Overall diameter | 393 mm / 15.47 inches |
| | Bolt circle diameter | 371-376 mm / 14.61-14.8 inch |
| | Bolt hole diameter | 7 mm / 0.28 inch |
| | Front mount baffle cut-out | 352 mm / 13.86 inch |
| | Rear mount baffle cut-out | 360 mm / 14.17 inch |
| | Volume occupied by the driver | 4.3 liters / 0.17 ft3 |
| Standard compliance | Safety agency | CE compliant |

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| | | |
|---|---|---|
| **Size / Weight** | Height | 159 mm / 6.26 inches |
| | Diameter | 393 mm / 15.47 inches |
| | Weight | 13.5 kg / 29.76 lbs |

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Line Art 2D

