# L18P300

WOOFER



**Description**

In production for over 20 years, the L18P300 is an industry-standard. With 15 mm thick plates and specially designed suspensions, the sturdy magnetic unit ensures an excellent amplitude control of over +/- 12 millimeters. The special cooling system with forced air ventilation offers excellent heat dissipation and minimum power compression. Voice coil construction, suspensions, and cone materials can withstand massive RMS power. The L18P300 finds its best application in bass reflex and bandpass systems. Its capacity to reproduce extremely low frequencies with remarkable definition makes it one of the favorite woofer in its category, ideal for live and recorded music.

**Features**

- 4-inch, fiberglass inside/outside copper voice coil
- 2000W continuous program power handling
- 97 dB Sensitivity
- 35 Hz – 1.5 kHz Frequency range
- Forced air ventilation and 15mm top plate for minimum power compression
- Dual spider design with silicone based dampening control
- M-roll surround and exponential cone geometry

**Part Number**

| | | |
|---|---|---|
| 11185016 | L18P300 | 8ohm |

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**TECHNICAL SPECIFICATIONS**

| | | |
|---|---|---|
| General specifications | Nominal Diameter | 18 inch / 457 mm |
| | Rated Impedance | 8 ohm |
| | Program Power (watt) | 2000 W |
| | Power handling capacity | 1000 W |
| | Sensitivity | 97.0 dB |
| | Frequency range | 35 - 1000 Hz |
| | Effective piston diameter | 380 mm / 14.96 inch |
| | Max. Excursion Before Damage | 40 mm / 1.57 inch |
| | Minimum Impedance (ohm) | 6.0 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 | 15 mm / 0.59 inch |
| | Cone Design | Curved |
| | Surround Material | Polycotton |
| | Surround Design | M-roll |
| | Magnets | Ceramic |
| | Dual-force air ventilation | Yes |
| | Spider | Dual with silicon based damping control |
| Thiele - small parameters | Resonance frequency (Fs) | 33 Hz |
| | DC resistance (Re) (ohm) | 5.00 ohm |
| | Mechanical factor | 8.30 Qms |
| | Electrical factor | 0.34 Qes |
| | Total factor | 0.33 Qts |
| | Bl factor (Bl) (T x m) | 23.50 T x m |
| | Effective moving mass (Mms) | 180.0 g |
| | Equivalent Cas air loaded (Vas) | 226.0 liters |
| | Effective piston area (Sd) | 0.110 m2 |
| | Max. linear excursion (Xmax) | 8 mm |
| | Voice coil inductance @ 1kHz (Le1k) | 1.80 mH |
| | Half-space efficency (Eff) | 2.30% |
| Mounting information | Overall diameter | 460 mm / 18.11 inches |
| | Bolt circle diameter | 438 mm / 17.24 inch |
| | Bolt hole diameter | 8 mm / 0.31 inch |
| | Front mount baffle cut-out | 416 mm / 16.38 inch |
| | Rear mount baffle cut-out | 418 mm / 16.46 inch |
| | Volume occupied by the driver | 6.5 liters / 0.26 ft3 |
| Standard compliance | Safety agency | CE compliant |

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| **Size / Weight** | Height | 202 mm / 7.95 inches |
| | Diameter | 460 mm / 18.11 inches |
| | Weight | 13 kg / 28.66 lbs |

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Line Art 2D

