

# L18P300

## WOOFER

### DESCRIPTION

In production for over 10 years, the L18P300 is an industry standard. The very strong magnetic unit, with 15mm thick plates and specially designed suspensions ensure an excellent control of amplitude of over +/- 12 millimeters.

The special cooling system with forced air ventilation offer a great heat dissipation and the minimum levels of power compression available on the market. Voice coil construction, suspensions and cone materials are upgraded in order to withstand up to a Kilowatt RMS power.



### 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 silicon based dampening control
- M-roll surround and exponential cone geometry

## 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
Effettive piston area (Sd):	0.110 m <sup>2</sup>
Max. linear excursion (Xmax):	8.0 mm
Voice coil inductance @ 1kHz (Le1k):	1.80 mH
Half-space efficiency (Eff):	2.30%

### Mounting informations

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 ft <sup>3</sup>

### Standard compliance

CE marking:	Yes
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<b>Size</b>	Height:	202 mm / 7.95 inches
	Diameter:	460 mm / 18.11 inches
	Weight:	13 kg / 28.66 lbs

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<b>Shipping informations</b>	Package Height:	270 mm / 10.63 inches
	Package Width:	520 mm / 20.47 inches
	Package Depth:	495 mm / 19.49 inches
	Package Weight:	15 kg / 33.07 lbs

## **PART NUMBER**

- |                   |                   |
|-------------------|-------------------|
| • <b>11187012</b> | • <b>11185016</b> |
| L18P300           | L18P300           |
| 4ohm              | 8ohm              |



