

L185801 WOOFER

DESCRIPTION

The L18S801 is the RCF classical high efficiency 18" woofer. A perfect blend of voice coil length, moving mass weight and suspensions control makes this transducer the preferred solution for many speakers and rental companies. Voice coil construction, suspension and cone materials are upgrade in order to withstand up to 700 watt RMS power.



FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1400W continuous program power handling
- 99.5 dB Sensitivity
- 38 Hz 1 kHz Frequency range
- Dual spider design with silicon based dampening control
- M-roll surround and exponential cone geometry



TECHNICAL SPECIFICATIONS

General specificationsNominal Diameter:18 inch / 457 mmRated Impedance:8 ohmProgram Power (watt):1400 WPower handling capacity:700 WSensitivity:99 dBFrequency range:38 - 1000 HzEffective piston diameter:380 mm / 14.96 inchMax. Excursion Before Damage:40 mm / 1.57 inchMinimum Impedance (ohm):6 ohmVoice Coil Diameter:4.0 inch / 102 mmVoice Coil Winding Material:CopperVoice Coil Length:19 mm / 0.75 inchNumber of layers:2	
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Number of lavers: 2	
Kind of layers: inside/outside	
Top Plate Thickness: 10 mm / 0.39 inch	
Cone Design: Curved	
Surround Material: Polycotton	
Surround Design: M-roll	
Magnets: Ceramic	
Dual-force air ventilation: Yes	
Spider: Dual with silicon based dampir	ig control
Thiele - small parameters Resonance frequency (Fs): 39 Hz	
DC resistance (Re) (ohm): 4.90 ohm	
Mechanical factor: 8.30 Qms	
Electrical factor: 0.30 Qes	
Total factor: 0.29 Qts	
BI factor (BI) (T x m): 24.50 T x m	
Effective moving mass (Mms): 148 gr	
Equivalent Cas air loaded (Vas): 206 liters	
Effettive piston area (Sd): 0.11 m2	
Max. linear excursion (Xmax): 7 mm	
Voice coil inductance @ 1kHz (Le1k): 1.70 mH	
Half-space efficency (Eff): 3.93%	
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 ft3	
Standard compliance CE marking: Yes	

DATASHEET



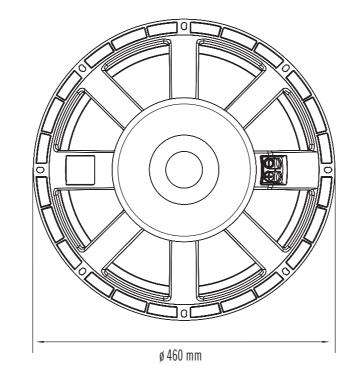
Size Height: 202 mm / 7.95 inches Diameter: 460 mm / 18.11 inches 12 kg / 26.46 lbs Weight: **Shipping informations** Package Height: 240 mm / 9.45 inches Package Width: 510 mm / 20.08 inches 480 mm / 18.9 inches Package Depth: Package Weight: 14 kg / 30.86 lbs

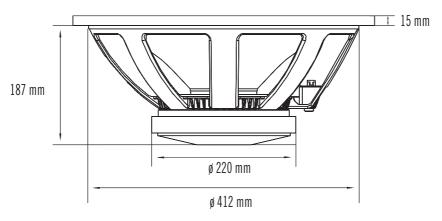
PART NUMBER

• 11100047

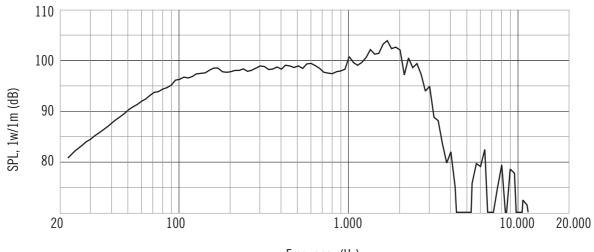
L18S801 8ohm



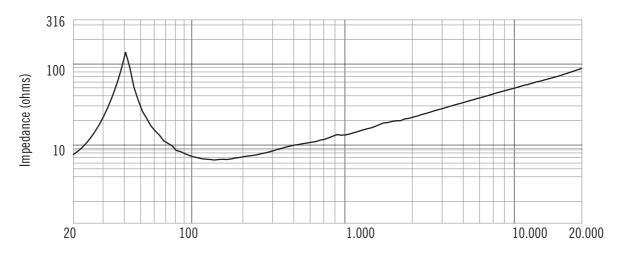








Frequency (Hz)



Frequency (Hz)