

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

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General specifications	Nominal Diameter:	18 inch / 457 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	1400 W
	Power handling capacity:	700 W
	Sensitivity:	99.5 dB
	Frequency range:	38 - 1000 Hz
	Effective piston diameter:	380 mm / 14.96 inch
	Max. Excursion Before Damage:	40 mm / 1.57 inch
	Minimum Impedance (ohm):	6.3 ohm
	Voice Coil Diameter:	4.0 inch / 102 mm
	Voice Coil Winding Material:	Copper
	Voice Coil Length:	19 mm / 0.75 inch
	Number of layers:	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 damping 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):	148.0 g
	Equivalent Cas air loaded (Vas):	206.0 liters
	Effective piston area (Sd):	0.110 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

DATASHEET



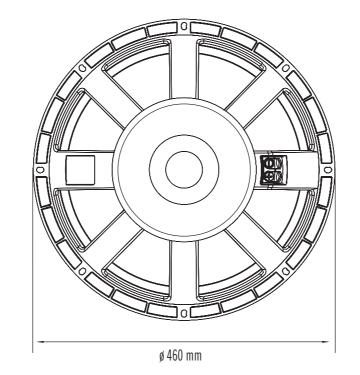
Size Height: 202 mm / 7.95 inches Diameter: 460 mm / 18.11 inches 12 kg / 26.46 lbs Weight: **Shipping informations** 240 mm / 9.45 inches Package Height: Package Width: 510 mm / 20.08 inches Package Depth: 480 mm / 18.9 inches 14 kg / 30.86 lbs Package Weight:

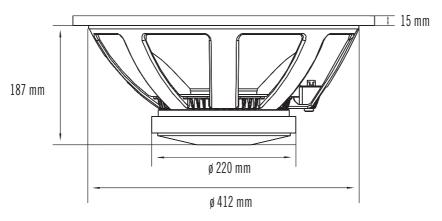
PART NUMBER

• 11100047 L18S801

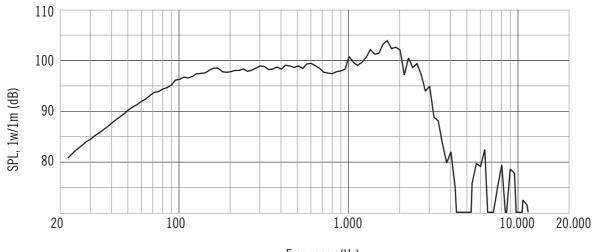
80hm



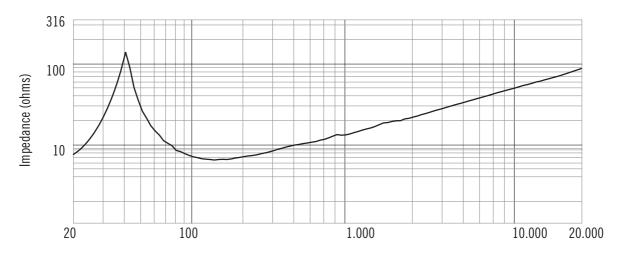








Frequency (Hz)



Frequency (Hz)