

# LF18G908 WOOFER

## DESCRIPTION

The LF18G908 is a 18-inch woofer with linear frequency response cheracteristics and very high power handling. The LF18G908 uses a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround. This combination provides remarkable strength and peak to peak maximum excursion of 50mm.



### FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1800W continuous program power handling
- 98 dB Sensitivity
- 30 Hz 1 kHz Frequency range
- Dual spider design with silicon based dampening control
- Triple-roll surround and corrugated straight cone geometry



#### **TECHNICAL SPECIFICATIONS**

|                           | -                                    |   |
|---------------------------|--------------------------------------|---|
| General specifications    | Nominal Diameter:                    | 18 inch / 457 mm                        |
|                           | Rated Impedance:                     | 8 ohm                                   |
|                           | Program Power (watt):                | 1800 W                                  |
|                           | Power handling capacity:             | 900 W                                   |
|                           | Sensitivity:                         | 98.0 dB                                 |
|                           | Frequency range:                     | 30 - 1000 Hz                            |
|                           | Effective piston diameter:           | 395 mm / 15.55 inch                     |
|                           | Max. Excursion Before Damage:        | 50 mm / 1.97 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:                 | 12 mm / 0.47 inch                       |
|                           | Cone Design:                         | Straight                                |
|                           | Surround Material:                   | Polycotton                              |
|                           | Surround Design:                     | Triple roll                             |
|                           | Magnets:                             | Ceramic                                 |
|                           | Spider:                              | Dual with silicon based damping control |
| Thiele - small parameters | Resonance frequency (Fs):            | 33 Hz                                   |
|                           | DC resistance (Re) (ohm):            | 4.80 ohm                                |
|                           | Mechanical factor:                   | 7.60 Qms                                |
|                           | Electrical factor:                   | 0.30 Qes                                |
|                           | Total factor:                        | 0.29 Qts                                |
|                           | BI factor (BI) (T x m):              | 24.60 T x m                             |
|                           | Effective moving mass (Mms):         | 182.0 g                                 |
|                           | Equivalent Cas air loaded (Vas):     | 268.0 liters                            |
|                           | Effective piston area (Sd):          | 0.120 m2                                |
|                           | Max. linear excursion (Xmax):        | 9 mm                                    |
|                           | Voice coil inductance @ 1kHz (Le1k): | 1.80 mH                                 |
|                           | Half-space efficency (Eff):          | 3.09%                                   |
| Mounting informations     | Overall diameter:                    | 465 mm / 18.31 inches                   |
|                           | Bolt circle diameter:                | 442-447 mm / 17.4-17.6 inch             |
|                           | Bolt hole diameter:                  | 7 mm / 0.28 inch                        |
|                           | Front mount baffle cut-out:          | 424 mm / 16.69 inch                     |
|                           | Rear mount baffle cut-out:           | 424 mm / 16.69 inch                     |
|                           | Volume occupied by the driver:       | 6 liters / 0.24 ft3                     |
| Standard compliance       | CE marking:                          | Yes                                     |
| Size                      | Height:                              | 196 mm / 7.72 inches                    |
|                           |                                      |   |
|                           | Diameter:                            | 465 mm / 18.31 inches                   |

RCF products are continually improved. All specifications are therefore subject to change without notice.



#### **Shipping informations**

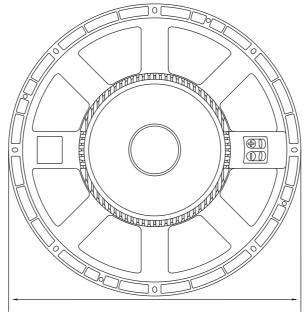
Package Height: Package Width: Package Depth: Package Weight: 260 mm / 10.24 inches 500 mm / 19.69 inches 520 mm / 20.47 inches 15 kg / 33.07 lbs

## PART NUMBER

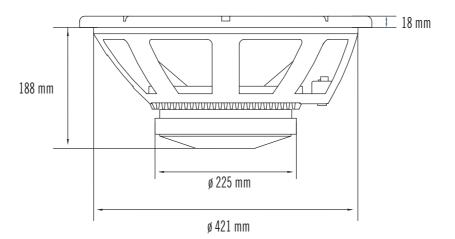
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LF18G908 80hm

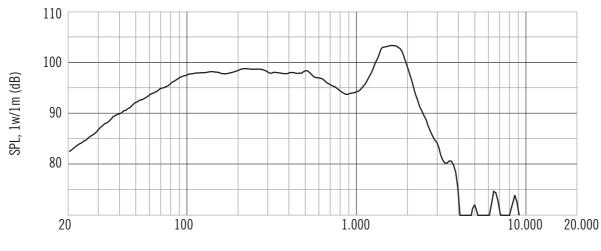




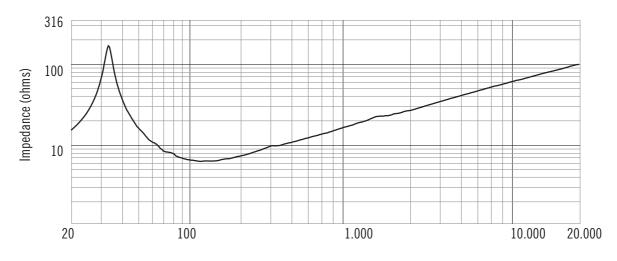








Frequency (Hz)



Frequency (Hz)