

LF18Y488

WOOFER

DESCRIPTION

The LF18Y488 is a 18-inch woofer with linear frequency response characteristics and very high power handling.

The LF18Y488 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): | 5.9 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 |

Thiele - small parameters

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|--------------------------------------|----------------------|
| DC resistance (Re) (ohm): | 4.80 ohm |
| Mechanical factor: | 7.60 Qms |
| Electrical factor: | 0.30 Qes |
| Total factor: | 0.29 Qts |
| Bl factor (Bl) (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 m ² |
| Max. linear excursion (Xmax): | 9 mm |
| Voice coil inductance @ 1kHz (Le1k): | 2.40 mH |
| Half-space efficiency (Eff): | 3.09% |

Mounting informations

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|--------------------------------|---------------------------------|
| 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: | 7 liters / 0.28 ft ³ |

Standard compliance

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| CE marking: | Yes |
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Size

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|---------|-------------------|
| Weight: | 13 kg / 28.66 lbs |
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Shipping informations

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



PART NUMBER

- **11100127**
LF18Y488
8ohm



