faital PRO PROFESSIONAL LOUDSPEAKERS *Made in Italy*

# 10FH530

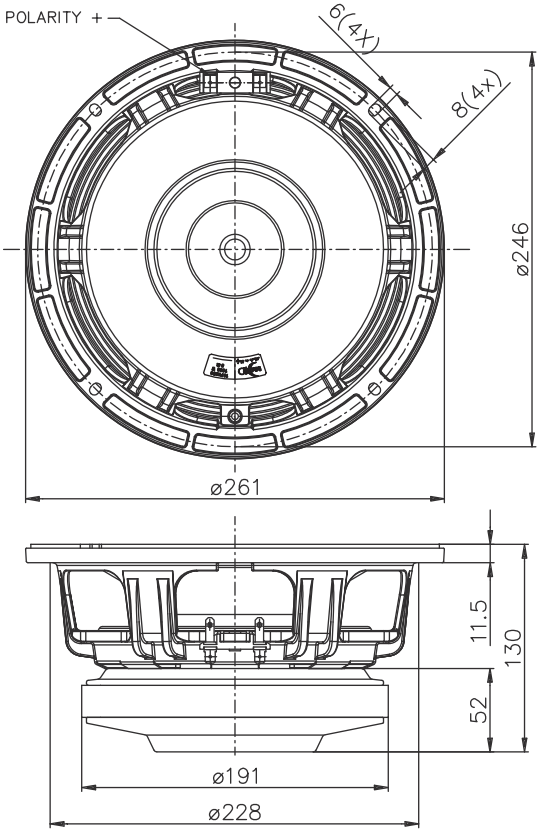
10" - 500 W - 97 dB

## NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 250 mm (10 in) |
| Overall Diameter | 261 mm (10.28 in) |
| Bolt Circle Diameter | 246 mm (9.69 in) |
| Baffle Cutout Diameter | 230 mm (9.06 in) |
| Depth | 130 mm (5.12 in) |
| Flange and gasket Thickness | 11.5 mm (0.45 in) |
| **Net Weight** | **7.5 kg (16.53 lb)** |
| Shipping Box | 294 x 290 x 203 mm |
| (Single Carton Box) | (11.57 x 11.41 x 7.99 in) |
| Shipping Weight | 8 kg (17.64 lb) |

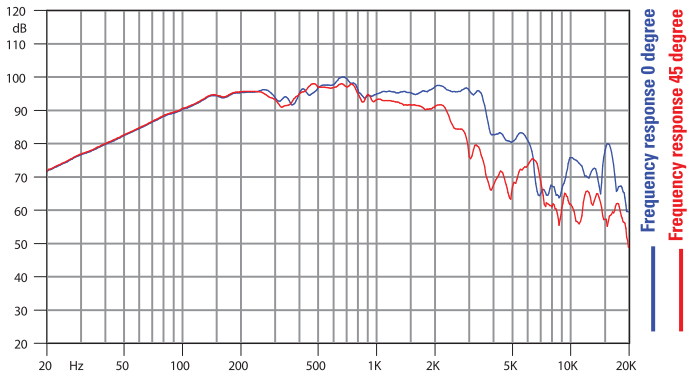
## TECHNICAL PARAMETERS

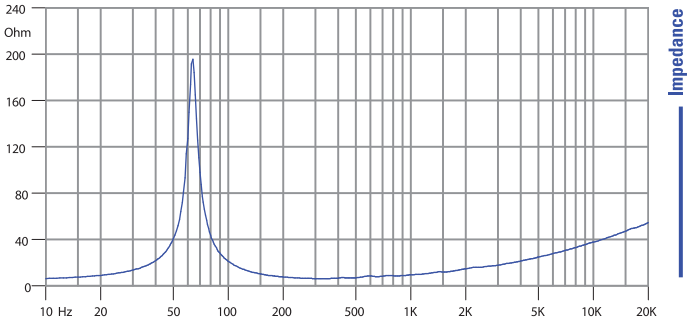
| | |
|---|---|
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.4 Ω |
| AES Power Handling (1) | 500 W |
| **Maximum Power Handling** (4) | **1000 W** |
| **Sensitivity (1W/1m)** | **97 dB** |
| Frequency Range | 60÷4000 Hz |
| **Voice Coil Diameter** | **77 mm (3 in)** |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 18.5 mm (0.73 in) |
| **Magnetic Gap Depth** | **10.5 mm (0.41 in)** |
| Flux Density | 1.2 T |
| Magnet | Ferrite Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround (5) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 2.2 dm³ (0.078 ft³) |
| Spider Profile | 1x variable height waves |




## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 60 Hz |
| Re | 5.1 Ω |
| Qes | 0.25 |
| Qms | 12.4 |
| Qts | 0.25 |
| Vas | 20.4 dm³ (0.72 ft³) |
| Sd | 321 cm² (49.76 in²) |
| Xmax (2) | 7.5 mm |
| Xdamage (3) | 21.5 mm |
| Mms | 50.3 g |
| Bl | 19.5 N/A |
| Le | 0.8 mH |
| Mmd | 47 g |
| Cms | 0.14 mm/N |
| Rms | 1.53 kg/s |
| ℜ₀ (Eta Zero) | 1.7 % |
| EBP | 240 Hz |




**NOTE:**
**(1)** 2 Hours Test According to AES 2-1984 Rev. 2003
**(2)** Xmax = [(Winding Depth - magnetic gap depth)/2] + (magnetic gap depth / 3)
**(3)** Maximum excursion before permanent damage
**(4)** Maximum power is defined as 3dB greater than nominal power
**(5)** Treated Polycotton