faital PRO PROFESSIONAL LOUDSPEAKERS

10FH530

10" - 500 W - 97 dB - 8 Ohm

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 (16.5 lb)**
Shipping Box (Single Carton Box)	294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in)
Shipping Weight	8 kg (17.6 lb)

PART NUMBER

Faston Terminals - 8 Ohm Version	02504149
Recone Kit - 8 Ohm Version	R2504161

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	6.4 Ohm
AES Power Handling **(1)**	500 W
Maximum Power Handling (2)	**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 **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	2 dm^3 (0.071 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	60 Hz
Re	5.1 Ohm
Qes	0.25
Qms	12.4
Qts	0.25
Vas	23.5 dm^3 (0.83 ft^3)
Sd	347 cm^2 (53.79 in^2)
Xmax **(4)**	7.50 mm
Xdamage **(5)**	18.8 mm
Mms	50.3 g
Bl	19.5 N/A
Le	0.8 mH
Mmd	43.0 g
Cms	0.14 mm/N
Rms	1.5 kg/s
Eta Zero	1.94 %
EBP	240 Hz

NOTES:

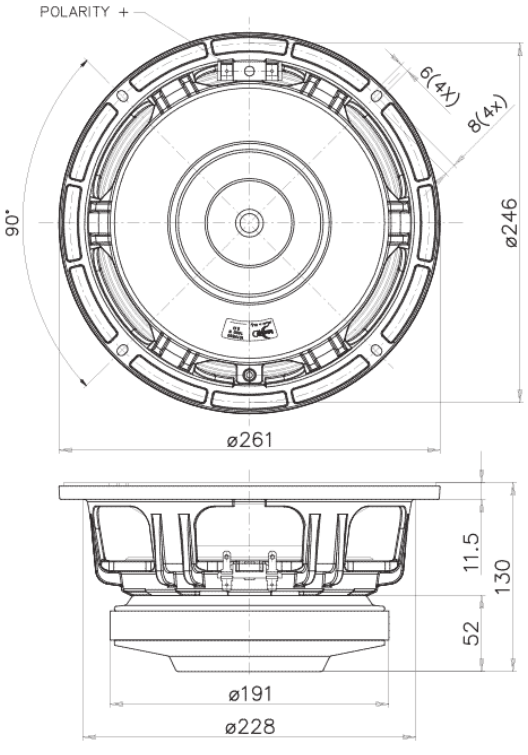
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

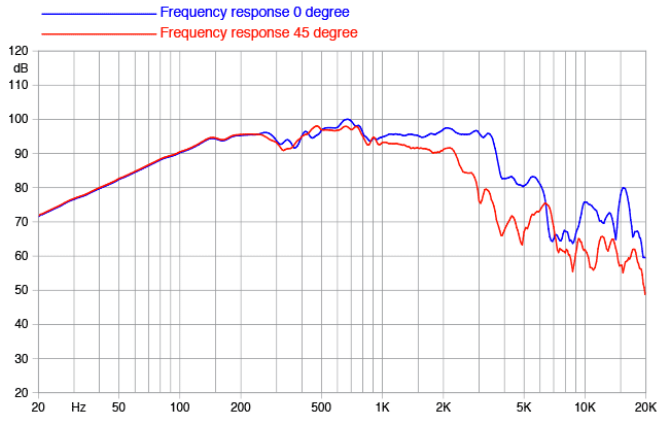
(2) Maximum power is defined as 3dB greater than nominal power.

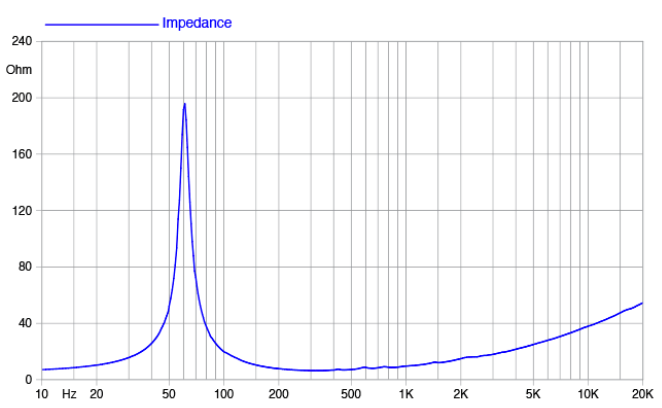
(3) Treated Polycotton

(4) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)

(5) Maximum excursion before permanent damage







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