faital PRO PROFESSIONAL LOUDSPEAKERS

8RS250

8" - 200 W - 93 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Overall Diameter	223.7/207.9 mm (8.81/8.18 in)
Bolt Circle Diameter	210 mm (8.27 in)
Baffle Cutout Diameter	183 mm (7.20 in)
Depth	108 mm (4.25 in)
Flange and Gasket Thickness	15.3 mm (0.60 in)
Net Weight	**4.4 kg (9.7 lb)**
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)
Shipping Weight	4.7 kg (10.4 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	02004221

NOTES:

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

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

(3) NBR (Rubber)

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

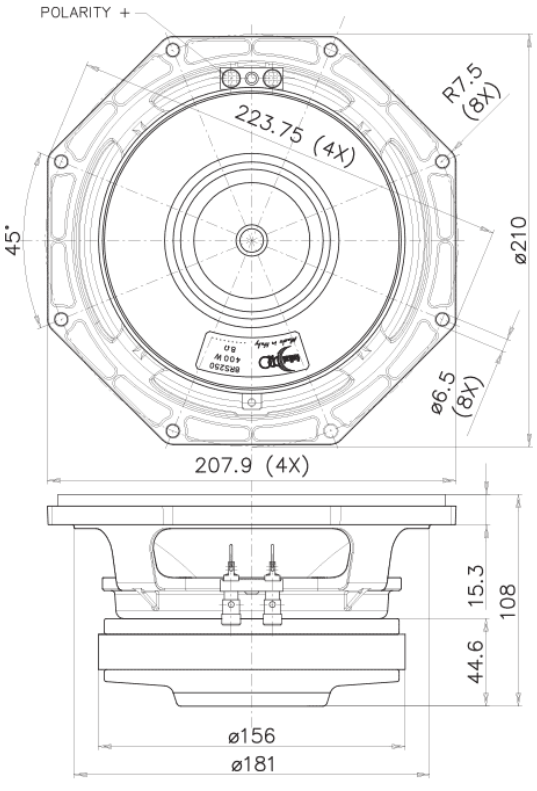
(5) Maximum excursion before permanent damage

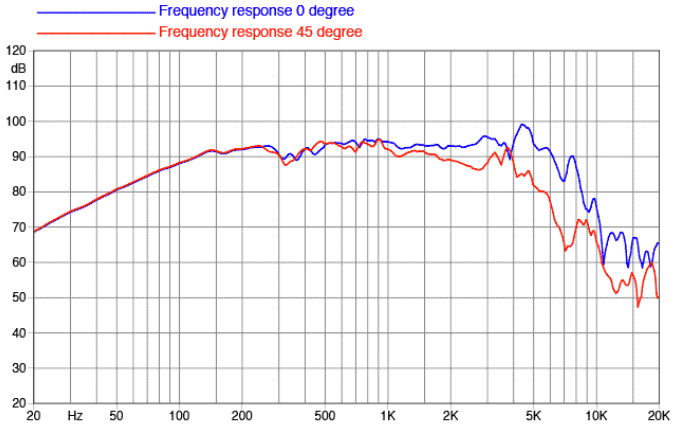
TECHNICAL PARAMETERS

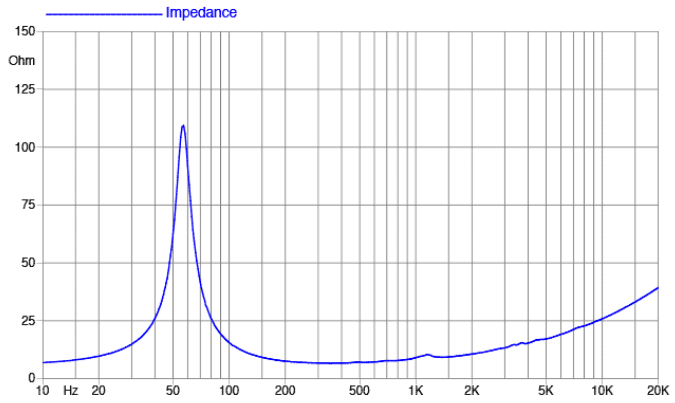
Nominal Impedance	8 Ohm
Minimum Impedance	7 Ohm
AES Power Handling **(1)**	200 W
Maximum Power Handling (2)	**400 W**
Sensitivity (1W/1m)	**93 dB**
Frequency Range	60÷6300 Hz
Voice Coil Diameter	**52 mm (2 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	16.5 mm (0.65 in)
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	1.3 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround **(3)**	Half Roll
NET Air Volume filled by Loudspeaker	1.17 dm^3 (0.041 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	56 Hz
Re	5.7 Ohm
Qes	0.34
Qms	5.7
Qts	0.32
Vas	18.3 dm^3 (0.65 ft^3)
Sd	223 cm^2 (34.57 in^2)
Xmax **(4)**	6.92 mm
Xdamage **(5)**	15.7 mm
Mms	30.6 g
Bl	13.5 N/A
Le	0.35 mH
Mmd	26.8 g
Cms	0.26 mm/N
Rms	1.9 kg/s
Eta Zero	0.93 %
EBP	165 Hz







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