faital PRO PROFESSIONAL LOUDSPEAKERS

18FH500

18" - 600 W - 99 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	424 mm (16.7 in)
Depth	202 mm (7.95 in)
Flange and Gasket Thickness	13.9 mm (0.55 in)
Net Weight	**4.6 kg (10.1 lb)**
Shipping Box (Single Carton Box)	503 x 500 x 258 mm (19.8 x 19.7 x 10.2 in)
Shipping Weight	6 kg (13.2 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	04603900
Recone Kit - 8 Ohm Version	R4603900

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	6 Ohm
AES Power Handling **(1)**	600 W
Maximum Power Handling (2)	**1200 W**
Sensitivity (1W/1m)	**99 dB**
Frequency Range	30÷3150 Hz
Voice Coil Diameter	**77 mm (3 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	22 mm (0.87 in)
Magnetic Gap Depth	**10.5 mm (0.41 in)**
Flux Density	1.2 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	5.7 dm^3 (0.201 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	30 Hz
Re	5.1 Ohm
Qes	0.36
Qms	12.5
Qts	0.35
Vas	417.9 dm^3 (14.76 ft^3)
Sd	1207 cm^2 (187.09 in^2)
Xmax **(4)**	9.25 mm
Xdamage **(5)**	18 mm
Mms	137.0 g
Bl	19 N/A
Le	1.35 mH
Mmd	89.6 g
Cms	0.21 mm/N
Rms	2.1 kg/s
Eta Zero	3.00 %
EBP	83 Hz

NOTES:

PATENTED IT 2006/000327

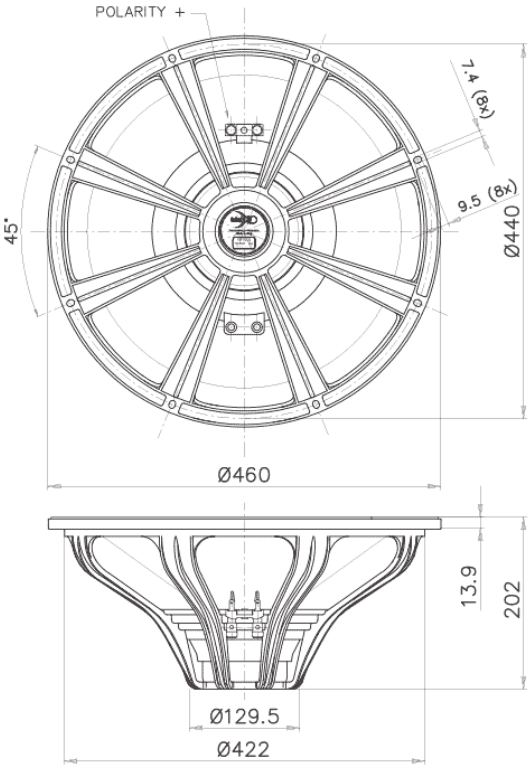
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

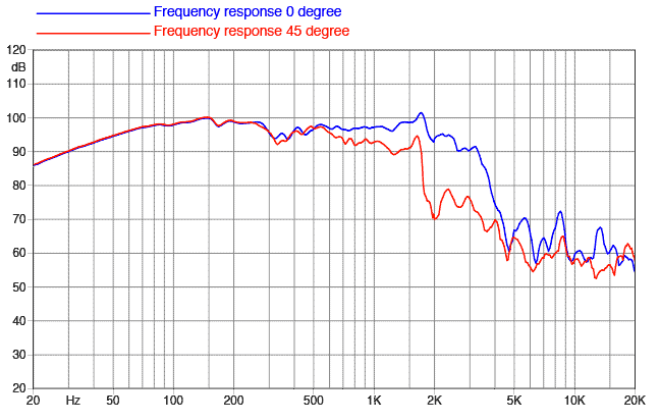
(2) Maximum power is defined as 3dB greater than nominal power.

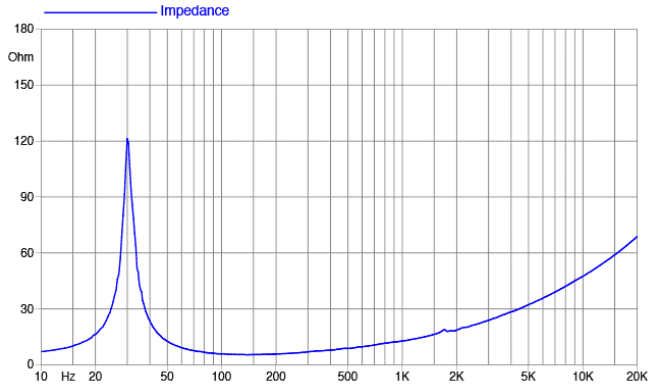
(3) Treated Polycotton

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

(5) Maximum excursion before permanent damage







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