faital PRO PROFESSIONAL LOUDSPEAKERS

18XL1700

18" - 1600 W - 97 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	422 mm (16.61 in)
Depth	234 mm (9.21 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Net Weight	**14.9 kg (32.7 lb)**
Shipping Box (Single Carton Box)	490 x 485 x 275 mm (19.2 x 19.0 x 10.8 in)
Shipping Weight	16.4 kg (36.0 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	04604436

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)

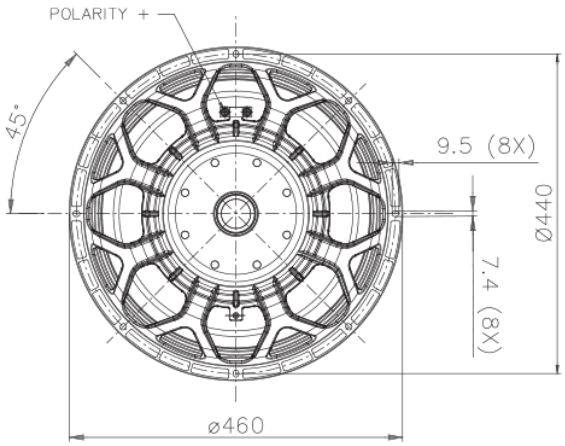
(5) Maximum excursion before permanent damage

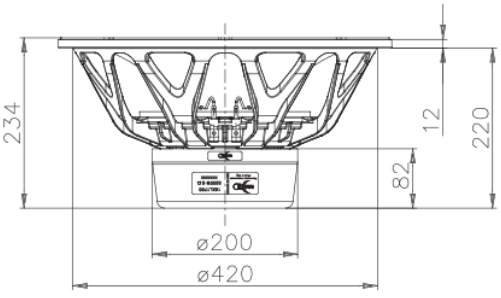
TECHNICAL PARAMETERS

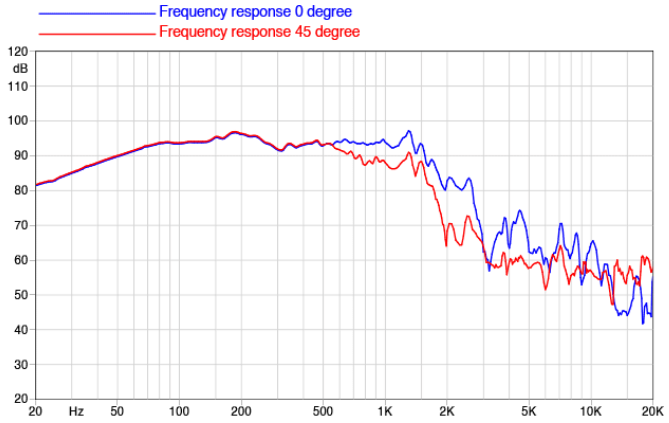
Nominal Impedance	8 Ohm
Minimum Impedance	6.9 Ohm
AES Power Handling **(1)**	1600 W
Maximum Power Handling (2)	**3200 W**
Sensitivity (1W/1m)	**97 dB**
Frequency Range	30÷1500 Hz
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	37 mm (1.46 in)
Magnetic Gap Depth	**14 mm (0.55 in)**
Flux Density	1.15 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	8.4 dm^3 (0.295 ft^3)
Spider Profile	2x constant height waves

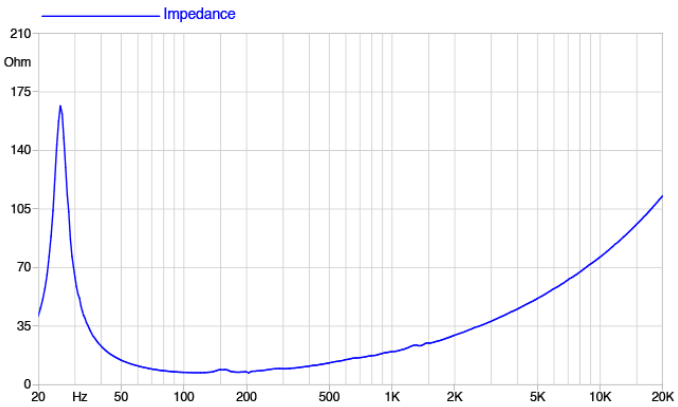
THIELE & SMALL PARAMETERS

Fs	28 Hz
Re	5.4 Ohm
Qes	0.29
Qms	10.0
Qts	0.28
Vas	227.0 dm^3 (8.02 ft^3)
Sd	1187 cm^2 (183.99 in^2)
Xmax **(4)**	16.17 mm
Xdamage **(5)**	27 mm
Mms	280.0 g
Bl	30.5 N/A
Le	2.36 mH
Mmd	233.8 g
Cms	0.12 mm/N
Rms	4.9 kg/s
Eta Zero	1.7 %
EBP	98 Hz









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