faital PRO PROFESSIONAL LOUDSPEAKERS

18XL1600

18" - 1600 W - 98 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	231 mm (9.09 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Net Weight	**12.2 kg (26.9 lb)**
Shipping Box (Single Carton Box)	490 x 485 x 275 mm (19.3 x 19.1 x 10.8 in)
Shipping Weight	13.7 kg (30.2 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	04604028
Recone Kit - 8 Ohm Version	R4604028

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	7.4 Ohm
AES Power Handling **(1)**	1600 W
Maximum Power Handling (2)	**3200 W**
Sensitivity (1W/1m)	**98 dB**
Frequency Range	30÷1500 Hz
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	31 mm (1.22 in)
Magnetic Gap Depth	**15.5 mm (0.61 in)**
Flux Density	1.05 T
Magnet	Neodymium Slug Crown
Basket Material	Aluminum
Demodulation	Triple Al Dem. Ring
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	7.3 dm^3 (0.258 ft^3)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	32 Hz
Re	5.4 Ohm
Qes	0.37
Qms	9.3
Qts	0.36
Vas	211.4 dm^3 (7.47 ft^3)
Sd	1212 cm^2 (187.86 in^2)
Xmax **(4)**	12.92 mm
Xdamage **(5)**	28 mm
Mms	240.0 g
Bl	26.7 N/A
Le	1.45 mH
Mmd	192.3 g
Cms	0.10 mm/N
Rms	5.2 kg/s
Eta Zero	1.84 %
EBP	86 Hz

NOTES:

PATENT PENDING

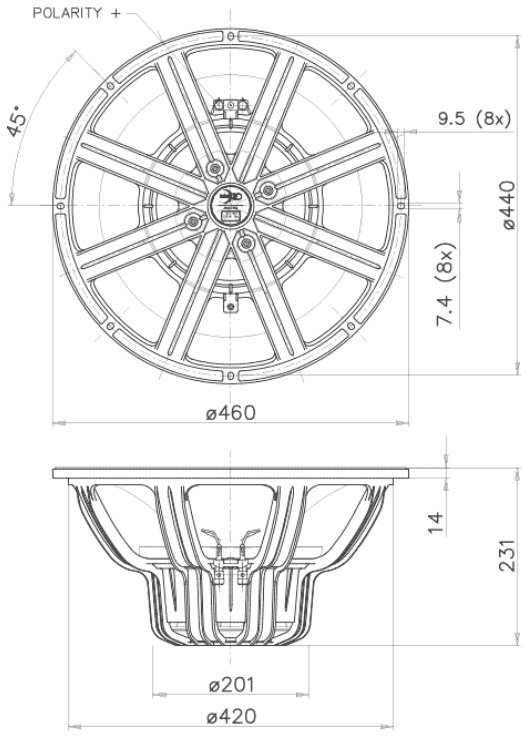
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

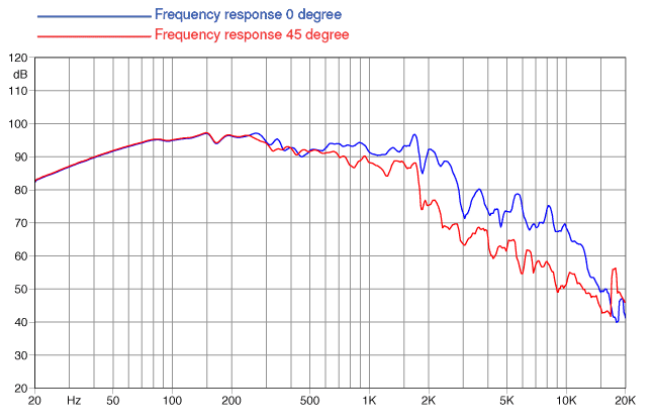
(2) Maximum power is defined as 3dB greater than nominal power.

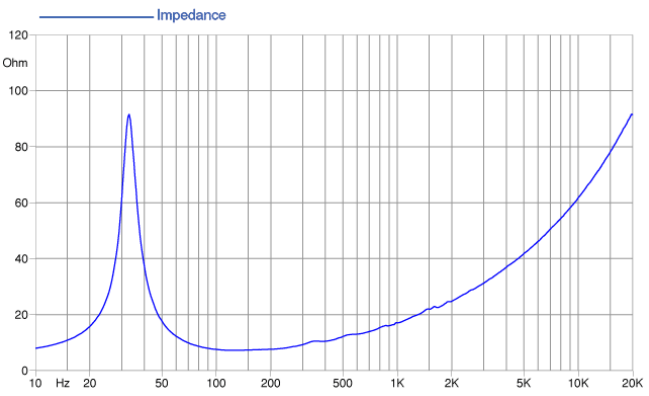
(3) Treated Polycotton

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

(5) Maximum excursion before permanent damage







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