faital PRO PROFESSIONAL LOUDSPEAKERS *Made in Italy*

18XL1800

18" - 1600 W - 95 dB

NOMINAL SPECIFICATIONS

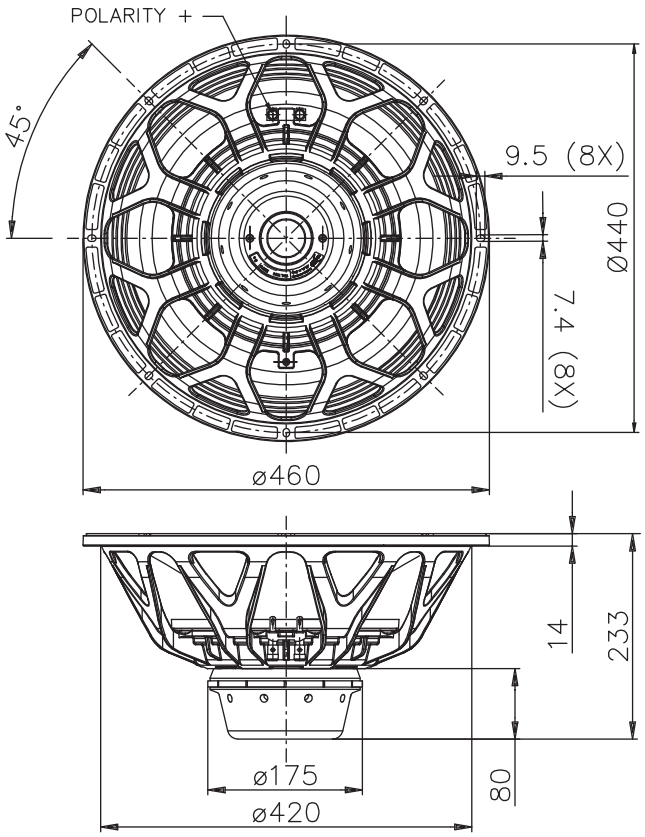
Nominal Diameter	460 mm (18 in)
Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	422 mm (16.61 in)
Depth	233 mm (9.17 in)
Flange and gasket Thickness	14 mm (0.55 in)
Net Weight	**10.2 kg (22.5 lb)**
Shipping Box	490 x 485 x 275 mm
(Single Carton Box)	(19.3 x 19.1 x 10.8 in)
Shipping Weight	11.7 kg (25.8 lb)

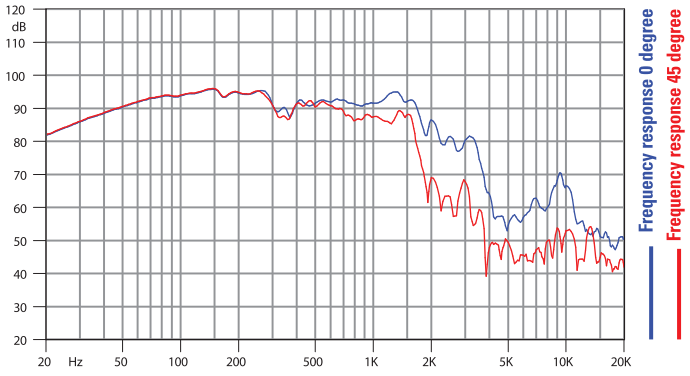
TECHNICAL PARAMETERS

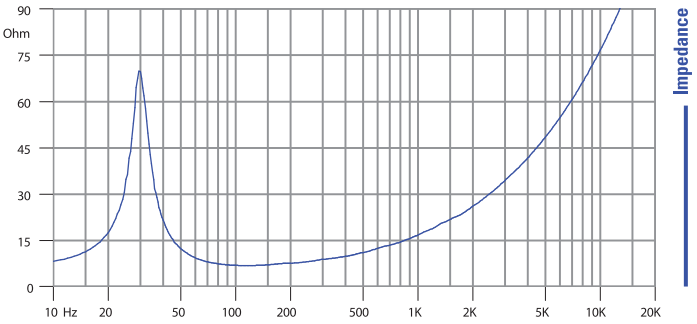
Nominal Impedance	8 Ω
Minimum Impedance	6.7 Ω
AES Power Handling (1)	1600 W
Maximum Power Handling (4)	**3200 W**
Sensitivity (1W/1m)	**95 dB**
Frequency Range	30÷1600 Hz
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	45 mm (1.77 in)
Magnetic Gap Depth	**14 mm (0.55 in)**
Flux Density	1.15 T
Magnet	Neodymium Segments
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	7.3 dm³ (0.258 ft³)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	29 Hz
Re	5.35 Ω
Qes	0.42
Qms	9.9
Qts	0.4
Vas	185.8 dm³ (6.56 ft³)
Sd	1093.6 cm² (169.51 in²)
Xmax (2)	20.17 mm
Xdamage (3)	36 mm
Mms	275.0 g
Bl	25.4 N/A
Le	2.04 mH
Mmd	254.5 g
Cms	0.11 mm/N
Rms	5.1 kg/s
η_o (Eta Zero)	1.06 %
EBP	69 Hz







NOTE:
(1) 2 Hours Test According to AES 2-1984 Rev. 2003
(2) Xmax = [(Winding Depth - magnetic gap depth)/2] + (magnetic gap depth / 3)
(3) Maximum excursion before permanent damage
(4) Maximum power is defined as 3dB greater than nominal power
(5) Treated Polycotton