faital PRO PROFESSIONAL LOUDSPEAKERS *Made in Italy*

18HP1030

18″ - 1200 W - 98 dB

NOMINAL SPECIFICATIONS

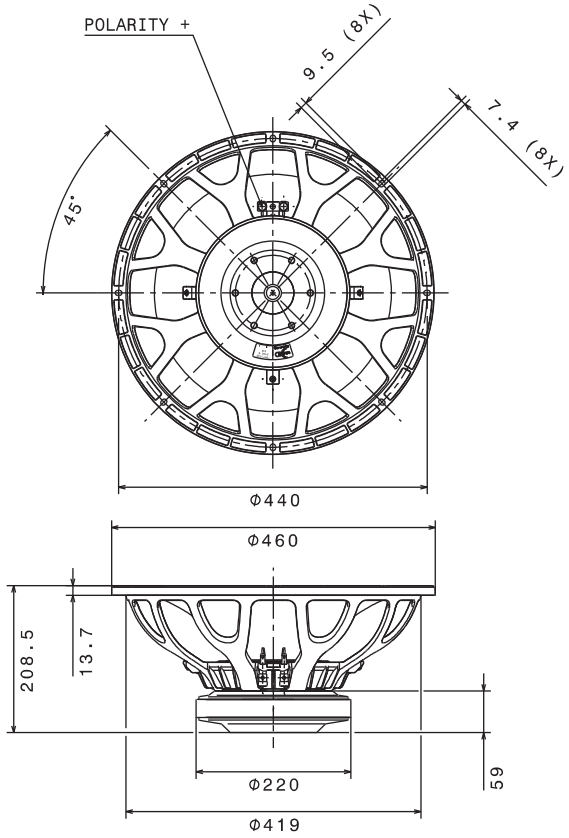
Nominal Diameter	460 mm (18 in)
Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	421 mm (16.57 in)
Depth	208.35 mm (8.20 in)
Flange and gasket Thickness	13.7 mm (0.54 in)
Net Weight	**12.1 kg (26.7 lb)**
Shipping Box	503 x 500 x 258 mm
(Single Carton Box)	(19.8 x 19.7 x 10.2 in)
Shipping Weight	13.5 kg (29.8 lb)

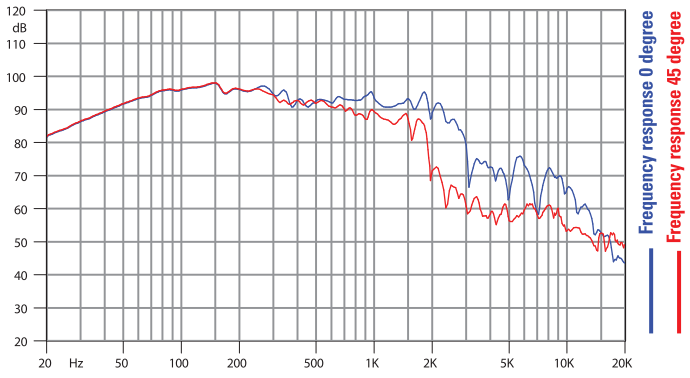
TECHNICAL PARAMETERS

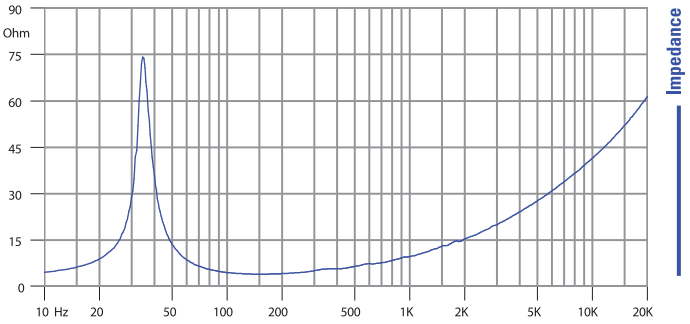
Nominal Impedance	4 Ω
Minimum Impedance	3.9 Ω
AES Power Handling (1)	1200 W
Maximum Power Handling (4)	**2400 W**
Sensitivity (1W/1m)	**98 dB**
Frequency Range	35÷1600 Hz
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	28.9 mm (1.14 in)
Magnetic Gap Depth	**12 mm (0.47 in)**
Flux Density	1.1 T
Magnet	**Ferrite Ring**
Basket Material	Aluminium
Demodulation	Aluminum Ring
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	6.5 dm³ (0.230 ft³)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	35 Hz
Re	2.9 Ω
Qes	0.33
Qms	12.3
Qts	0.32
Vas	150.6 dm³ (5.32 ft³)
Sd	1124 cm² (174.22 in²)
Xmax (2)	12.45 mm
Xdamage (3)	23.1 mm
Mms	246.3 g
Bl	21.7 N/A
Le	1.08 mH
Mmd	224.6 g
Cms	0.08 mm/N
Rms	4.39 kg/s
η_o (Eta Zero)	1.88 %
EBP	106 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