faital PRO PROFESSIONAL LOUDSPEAKERS *Made in Italy*

12HP1020

12" - 700 W - 97 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	316 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	284 mm (11.18 in)
Depth	155.75 mm (6.13 in)
Flange and gasket Thickness	12.45 mm (0.49 in)
Net Weight	**5.8 kg (12.8 lb)**
Shipping Box	350 x 346 x 216 mm
(Single Carton Box)	(13.8 x 13.6 x 8.5 in)
Shipping Weight	6.5 kg (14.3 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	7.1 Ω
AES Power Handling (1)	700 W
Maximum Power Handling (4)	**1400 W**
Sensitivity (1W/1m)	**97 dB**
Frequency Range	55÷3150 Hz
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	22 mm (0.87 in)
Magnetic Gap Depth	**12 mm (0.47 in)**
Flux Density	1.3 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	M-Roll
NET Air Volume filled by Loudspeaker	2.8 dm³ (0.099 ft³)
Spider Profile	2x non-adjacent symmetrical constant height waves

THIELE & SMALL PARAMETERS

Fs	55 Hz
Re	5.5 Ω
Qes	0.28
Qms	9.4
Qts	0.27
Vas	33.7 dm³ (1.19 ft³)
Sd	494 cm² (76.57 in²)
Xmax (2)	9.00 mm
Xdamage (3)	16 mm
Mms	86.0 g
Bl	24.3 N/A
Le	1.1 mH
Mmd	79.3 g
Cms	0.09 mm/N
Rms	3.16 kg/s
η_o (Eta Zero)	1.97 %
EBP	196 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
PATENT IT2006/000327