faital PRO PROFESSIONAL LOUDSPEAKERS *Made in Italy*

12FH530

12" - 500 W - 98 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	282 mm (11.10 in)
Depth	140 mm (5.51 in)
Flange and gasket Thickness	12 mm (0.47 in)
Net Weight	**7.84 kg (17.28 lb)**
Shipping Box	350 x 346 x 190 mm
(Single Carton Box)	(13.78 x 13.62 x 7.48 in)
Shipping Weight	8.7 kg (19.18 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6.4 Ω
AES Power Handling (1)	500 W
Maximum Power Handling (4)	**1000 W**
Sensitivity (1W/1m)	**98 dB**
Frequency Range	45÷3150 Hz
Voice Coil Diameter	**77 mm (3 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	18.5 mm (0.73 in)
Magnetic Gap Depth	**10.5 mm (0.41 in)**
Flux Density	1.2 T
Magnet	**Ferrite Ring**
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (5)	M-Roll
NET Air Volume filled by Loudspeaker	2.9 dm³ (0.102 ft³)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	45 Hz
Re	5.1 Ω
Qes	0.27
Qms	6.4
Qts	0.26
Vas	63 dm³ (2.22 ft³)
Sd	489 cm² (75.8 in²)
Xmax (2)	7.5 mm
Xdamage (3)	21.5 mm
Mms	67 g
Bl	18.9 N/A
Le	0.8 mH
Mmd	55.3 g
Cms	0.19 mm/N
Rms	2.9 kg/s
℩₀ (Eta Zero)	2.1 %
EBP	167 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