



15FH500

15" - 500 W - 98 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	356 mm (14.02 in)
Depth	181.3 mm (7.14 in)
Flange and gasket Thickness	13.7 mm (0.54 in)
Net Weight	4.3 kg (9.5 lb)
Shipping Box	430 x 427 x 236 mm
(Single Carton Box)	(16.9 x 16.8 x 9.3 in)
Shipping Weight	5.4 kg (11.9 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6 Ω
AES Power Handling (1)	500 W
Maximum Power Handling (4)	1000 W
Sensitivity (1W/1m)	98 dB
Frequency Range	35÷3150 Hz
Voice Coil Diameter	77 mm (3 in)
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	22 mm (0.87 in)
Magnetic Gap Depth	10.5 mm (0.41 in)
Flux Density	1.2 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	M-Roll
NET Air Volume filled by Loudspeaker	3.4 dm ³ (0.120 ft ³)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	35 Hz
Re	5.1 Ω
Qes	0.32
Qms	10.4
Qts	0.31
Vas	180.5 dm ³ (6.37 ft ³)
Sd	800 cm ² (124.00 in ²)
Xmax (2)	9.25 mm
Xdamage (3)	16 mm
Mms	104.0 g
Bl	19.2 N/A
Le	1.3 mH
Mmd	89.7 g
Cms	0.20 mm/N
Rms	2.2 kg/s
η _o (Eta Zero)	2.38 %
EBP	109 Hz

NOTE:

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

PATENT IT2006/000327

