



# 10FH500

10" - 500 W - 95 dB

## NOMINAL SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	246 mm (9.69 in)
Baffle Cutout Diameter	232 mm (9.13 in)
Depth	141.3 mm (5.56 in)
Flange and gasket Thickness	12.5 mm (0.49 in)
<b>Net Weight</b>	<b>3.4 kg (7.5 lb)</b>
Shipping Box	294 x 290 x 203 mm
(Single Carton Box)	(11.6 x 11.4 x 8.0 in)
Shipping Weight	4 kg (8.8 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	16 Ω
Minimum Impedance	14.4 Ω
AES Power Handling (1)	500 W
<b>Maximum Power Handling (4)</b>	<b>1000 W</b>
<b>Sensitivity (1W/1m)</b>	<b>95 dB</b>
Frequency Range	60 ÷ 4000 Hz
<b>Voice Coil Diameter</b>	<b>77 mm (3 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	18 mm (0.71 in)
<b>Magnetic Gap Depth</b>	<b>10.5 mm (0.41 in)</b>
Flux Density	1.2 T
<b>Magnet</b>	<b>Neodymium Slug</b>
Basket Material	Aluminum
Demodulation	No
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	1.6 dm <sup>3</sup> (0.057 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	12.8 Ω
Qes	0.43
Qms	5.7
Qts	0.42
Vas	19.2 dm <sup>3</sup> (0.68 ft <sup>3</sup> )
Sd	328 cm <sup>2</sup> (50.84 in <sup>2</sup> )
Xmax (2)	7.25 mm
Xdamage (3)	12.5 mm
Mms	47.5 g
Bl	23.8 N/A
Le	1.37 mH
Mmd	44.1 g
Cms	0.12 mm/N
Rms	3.4 kg/s
η <sub>o</sub> (Eta Zero)	1.17 %
EBP	151 Hz

### NOTE:

- (1) 2 Hz 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

