



# 18FH500

18" - 600 W - 99 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	424 mm (16.7 in)
Depth	202 mm (7.95 in)
Flange and gasket Thickness	13.9 mm (0.55 in)
<b>Net Weight</b>	<b>4.6 kg (10.14 lb)</b>
Shipping Box	503 x 500 x 258 mm
(Single Carton Box)	(19.8 x 19.7 x 10.2 in)
Shipping Weight	6 kg (13.2 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6 Ω
AES Power Handling (1)	600 W
<b>Maximum Power Handling (4)</b>	<b>1200 W</b>
<b>Sensitivity (1W/1m)</b>	<b>99 dB</b>
Frequency Range	30÷3150 Hz
<b>Voice Coil Diameter</b>	<b>77 mm (3 in)</b>
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	22 mm (0.87 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	5.7 dm <sup>3</sup> (0.201 ft <sup>3</sup> )
Spider Profile	1x variable height waves

## THIELE & SMALL PARAMETERS

Fs	30 Hz
Re	5.1 Ω
Qes	0.36
Qms	12.5
Qts	0.35
Vas	374.8 dm <sup>3</sup> (12.23 ft <sup>3</sup> )
Sd	1134 cm <sup>2</sup> (175.8 in <sup>2</sup> )
Xmax (2)	9.25 mm
Xdamage (3)	17.5 mm
Mms	137 g
Bl	19 N/A
Le	1.35 mH
Mmd	114.9 g
Cms	0.21 mm/N
Rms	2.06 kg/s
η <sub>0</sub> (Eta Zero)	2.7 %
EBP	83 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

