

10FH500

10" - 500 W - 95 dB - 16 Ohm



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)
Net Weight	3.4 kg (7.5 lb)
Shipping Box (Single Carton Box)	294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in)
Shipping Weight	4 kg (8.8 lb)

PART NUMBER

Push Terminals - 16 Ohm Version	02504116
Recone Kit - 16 Ohm Version	R2504116

NOTES:

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

TECHNICAL PARAMETERS

Nominal Impedance	16 Ohm
Minimum Impedance	14.4 Ohm
AES Power Handling (1)	500 W
Maximum Power Handling (2)	1000 W
Sensitivity (1W/1m)	95 dB
Frequency Range	60-4000 Hz
Voice Coil Diameter	77 mm (3 in)
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	18 mm (0.71 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 (3)	Triple Roll
NET Air Volume filled by Loudspeaker	1.6 dm ³ (0.057 ft ³)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	12.8 Ohm
Qes	0.43
Qms	5.7
Qts	0.42
Vas	19.2 dm ³ (0.68 ft ³)
Sd	328 cm ² (50.84 in ²)
Xmax (4)	7.25 mm
Xdamage (5)	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
Eta Zero	1.17 %
EBP	151 Hz

