

# 12FH530

12" - 500 W - 97 dB - 16 Ohm



## 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)
<b>Net Weight</b>	<b>7.9 kg (17.4 lb)</b>
Shipping Box (Single Carton Box)	350 x 346 x 190 mm (13.8 x 13.6 x 7.5 in)
Shipping Weight	8.7 kg (19.2 lb)

## PART NUMBER

Push Terminals - 16 Ohm Version 03004422

## 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	14.8 Ohm
AES Power Handling (1)	500 W
<b>Maximum Power Handling (2)</b>	<b>1000 W</b>
<b>Sensitivity (1W/1m)</b>	<b>97 dB</b>
Frequency Range	45-3150 Hz
<b>Voice Coil Diameter</b>	<b>77 mm (3 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	18.5 mm (0.73 in)
<b>Magnetic Gap Depth</b>	<b>10.5 mm (0.41 in)</b>
Flux Density	1.2 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (3)	M-Roll
NET Air Volume filled by Loudspeaker	2.9 dm <sup>3</sup> (0.102 ft <sup>3</sup> )
Spider Profile	1x variable height waves

## THIELE & SMALL PARAMETERS

Fs	45 Hz
Re	12.8 Ohm
Qes	0.41
Qms	9.1
Qts	0.39
Vas	75.6 dm <sup>3</sup> (2.67 ft <sup>3</sup> )
Sd	533 cm <sup>2</sup> (82.62 in <sup>2</sup> )
Xmax (4)	7.50 mm
Xdamage (5)	21.5 mm
Mms	65.6 g
Bl	24.1 N/A
Le	1.5 mH
Mmd	51.7 g
Cms	0.19 mm/N
Rms	2.0 kg/s
Eta Zero	1.64 %
EBP	110 Hz

