



# 12FH520

12" - 600 W - 98 dB

## 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	284 mm (11.18 in)
Depth	155.75 mm (6.13 in)
Flange and gasket Thickness	12.45 mm (0.49 in)
<b>Net Weight</b>	<b>4.2 kg (9.26 lb)</b>
Shipping Box	350 x 346 x 216 mm
(Single Carton Box)	(13.78 x 13.62 x 8.5 in)
Shipping Weight	5 kg (10.02 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6.3 Ω
AES Power Handling (1)	600 W
<b>Maximum Power Handling (4)</b>	<b>1200 W</b>
<b>Sensitivity (1W/1m)</b>	<b>98 dB</b>
Frequency Range	50 ÷ 4000 Hz
<b>Voice Coil Diameter</b>	<b>77 mm (3 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	18.5 mm (0.71 in)
<b>Magnetic Gap Depth</b>	<b>12 mm (0.47 in)</b>
Flux Density	1.1 T
<b>Magnet</b>	<b>Neodymium Slug</b>
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (5)	Triple Roll
NET Air Volume filled by Loudspeaker	2.4 dm <sup>3</sup> (0.085 ft <sup>3</sup> )
Spider Profile	1x variable height waves

## THIELE & SMALL PARAMETERS

Fs	50 Hz
Re	5.1 Ω
Qes	0.3
Qms	11.1
Qts	0.29
Vas	64.2 dm <sup>3</sup> (2.27 ft <sup>3</sup> )
Sd	500 cm <sup>2</sup> (77.5 in <sup>2</sup> )
Xmax (2)	7.25 mm
Xdamage (3)	19.5 mm
Mms	56 g
Bl	17.3 N/A
Le	0.74 mH
Mmd	49.7 g
Cms	0.18 mm/N
Rms	1.58 kg/s
η <sub>o</sub> (Eta Zero)	2.6 %
EBP	167 Hz

### NOTE:

- 2 Hours Test According to AES 2-1984 Rev. 2003
- Xmax = [(Winding Depth - magnetic gap depth)/2] + (magnetic gap depth / 3)
- Maximum excursion before permanent damage
- Maximum power is defined as 3dB greater than nominal power
- Treated Polycotton

