



# 5FE100

5" - 80 W - 88 dB

## NOMINAL SPECIFICATIONS

Nominal Diameter	130 mm (5 in)
Overall Diameter	144.8/124.5 mm (5.7/4.9 in)
Bolt Circle Diameter	133 mm (5.24 in)
Baffle Cutout Diameter	114 mm (4.49 in)
Depth	71.5 mm (2.81 in)
Flange and gasket Thickness	6.5 mm (0.25 in)
<b>Net Weight</b>	<b>1.12 kg (2.5 lb)</b>
Shipping Box	302 x 275 x 186 mm
(Single Carton Box - 8 units)	(11.9 x 10.8 x 7.3 in)
Shipping Weight (8 units)	10.1 kg (22.3 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	6.3 Ω
AES Power Handling (1)	80 W
<b>Maximum Power Handling (4)</b>	<b>160 W</b>
<b>Sensitivity (1W/1m)</b>	<b>88 dB</b>
Frequency Range	63÷6300 Hz
<b>Voice Coil Diameter</b>	<b>32 mm (1.26 in)</b>
Winding Material	Cu
Former Material	Kapton
Winding Depth	12.5 mm (0.49 in)
<b>Magnetic Gap Depth</b>	<b>6 mm (0.24 in)</b>
Flux Density	1 T
<b>Magnet</b>	<b>Ferrite Ring</b>
Basket Material	Steel
Demodulation	No
Cone Surround (5)	Half Roll
NET Air Volume filled by Loudspeaker	0.3 dm <sup>3</sup> (0.011 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	5.4 Ω
Qes	0.48
Qms	8.2
Qts	0.46
Vas	5.2 dm <sup>3</sup> (0.18 ft <sup>3</sup> )
Sd	79.8 cm <sup>2</sup> (12.37 in <sup>2</sup> )
Xmax (2)	5.25 mm
Xdamage (3)	9.5 mm
Mms	10.5 g
Bl	6.9 N/A
Le	0.53 mH
Mmd	10.1 g
Cms	0.57 mm/N
Rms	0.52 kg/s
η <sub>e</sub> (Eta Zero)	0.28 %
EBP	135 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
  - NBR
- Packaged and sold in multiples of 8 units

