



# 4FE32

4" - 30 W - 91 dB

## NOMINAL SPECIFICATIONS

Nominal Diameter	100 mm (4 in)
Overall Diameter	129.85/100.5 mm (5.11/3.96 in)
Bolt Circle Diameter	115.26 mm (4.54 in)
Baffle Cutout Diameter	91.5 mm (3.60 in)
Depth	49.8 mm (1.96 in)
Flange and gasket Thickness	7.2 mm (0.28 in)
<b>Net Weight</b>	<b>270 g (0.6 lb)</b>
Shipping Box	225 x 225 x 150 mm
(Single Carton Box - 8 units)	(8.9 x 8.9 x 5.9 in)
Shipping Weight (8 units)	2.8 kg (6.2 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	7 Ω
AES Power Handling (1)	30 W
<b>Maximum Power Handling (4)</b>	<b>60 W</b>
<b>Sensitivity (1W/1m)</b>	<b>91 dB</b>
Frequency Range	90 ÷ 20000 Hz
<b>Voice Coil Diameter</b>	<b>19 mm (0.75 in)</b>
Winding Material	Al
Former Material	Kapton
Winding Depth	6.8 mm (0.27 in)
<b>Magnetic Gap Depth</b>	<b>4 mm (0.16 in)</b>
Flux Density	1.4 T
<b>Magnet</b>	<b>Neodymium Ring</b>
Basket Material	Steel
Demodulation	No
Cone Surround (5)	Half Roll
NET Air Volume filled by Loudspeaker	0,075 dm <sup>3</sup> (0.003 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	100 Hz
Re	6.5 Ω
Qes	0.70
Qms	4.9
Qts	0.60
Vas	2 dm <sup>3</sup> (0.07 ft <sup>3</sup> )
Sd	48 cm <sup>2</sup> (7.44 in <sup>2</sup> )
Xmax (2)	2.73 mm
Xdamage (3)	6.8 mm
Mms	4.2 g
Bl	4.8 N/A
Le	0.18 mH
Mmd	3.9 g
Cms	0.60 mm/N
Rms	0.5 kg/s
η <sub>o</sub> (Eta Zero)	0.25 %
EBP	143 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) NBR
- Packaged and sold in multiples of 8 units

