



# 4FE35

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	58.3 mm (2.30 in)
Flange and gasket Thickness	7.2 mm (0.28 in)
<b>Net Weight</b>	<b>570 g (1.26 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)	5 kg (11.0 lb)

## TECHNICAL PARAMETERS

Nominal Impedance	16 Ω
Minimum Impedance	13.4 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	5 mm (0.20 in)
<b>Magnetic Gap Depth</b>	<b>4 mm (0.16 in)</b>
Flux Density	1.1 T
<b>Magnet</b>	<b>Ferrite Ring</b>
Basket Material	Steel
Demodulation	Copper Cap
Cone Surround (5)	Half Roll
NET Air Volume filled by Loudspeaker	0.150 dm <sup>3</sup> (0.005 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	100 Hz
Re	12.3 Ω
Qes	1.67
Qms	3.8
Qts	1.16
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)	1.83 mm
Xdamage (3)	6.8 mm
Mms	4.2 g
Bl	4.3 N/A
Le	0.1 mH
Mmd	3.6 g
Cms	0.64 mm/N
Rms	0.65 kg/s
η <sub>o</sub> (Eta Zero)	0.12 %
EBP	60 Hz

### NOTE:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
  - (2)  $X_{max} = [(Winding\ Depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth / 3)$
  - (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

