



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)
Net Weight	570 g (1.26 lb)
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
Maximum Power Handling (4)	60 W
Sensitivity (1W/1m)	91 dB
Frequency Range	90 ÷ 20000 Hz
Voice Coil Diameter	19 mm (0.75 in)
Winding Material	Al
Former Material	Kapton
Winding Depth	5 mm (0.20 in)
Magnetic Gap Depth	4 mm (0.16 in)
Flux Density	1.1 T
Magnet	Ferrite Ring
Basket Material	Steel
Demodulation	Copper Cap
Cone Surround (5)	Half Roll
NET Air Volume filled by Loudspeaker	0.150 dm ³ (0.005 ft ³)
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 ³ (0.07 ft ³)
Sd	48 cm ² (7.44 in ²)
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 _o (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

