



6FE100

6" - 100 W - 91 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	160 mm (6 in)
Overall Diameter	181.2/164 mm (7.13/6.46 in)
Bolt Circle Diameter	167 mm (6.57 in)
Baffle Cutout Diameter	147 mm (5.78 in)
Depth	84.5 mm (3.33 in)
Flange and gasket Thickness	8 mm (0.31 in)
Net Weight	1.2 kg (2.64 lb)
Shipping Box	393 x 380 x 128 mm
(Single Carton Box - 4 units)	(15.47 x 14.9 x 5.03 in)
Shipping Weight (4 units)	5.6 kg (13.82 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	5.9 Ω
AES Power Handling (1)	100 W
Maximum Power Handling (4)	200 W
Sensitivity (1W/1m)	91 dB
Frequency Range	63÷5000 Hz
Voice Coil Diameter	32 mm (1.26 in)
Winding Material	Cu
Former Material	Kapton
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	6 mm (0.24 in)
Flux Density	1 T
Magnet	Ferrite Ring
Basket Material	Steel
Demodulation	Aluminum Ring
Cone Surround (5)	Half Roll
NET Air Volume filled by Loudspeaker	0.4 dm ³ (0.014 ft ³)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	61 Hz
Re	5.4 Ω
Qes	0.6
Qms	6
Qts	0.56
Vas	14.1 dm ³ (0.50 ft ³)
Sd	143 cm ² (22.16 in ²)
Xmax (2)	5.25 mm
Xdamage (3)	13.15 mm
Mms	14 g
Bl	6.8 N/A
Le	0.5 mH
Mmd	13 g
Cms	0.48 mm/N
Rms	0.90 kg/s
η _e (Eta Zero)	0.50 %
EBP	102 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 4 units

